

### www.rems.de



Catalogue



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We deliver exclusively on the basis of our general conditions of sale and delivery.

The prices stated in this catalogue are valid for one piece respectively for one set (e.g. dies) or one pack (e.g. saw blades). Prices do not include any value added tax (VAT) and are subject to change without notice. These prices supersede all previous prices.

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Sale through specialist dealers.

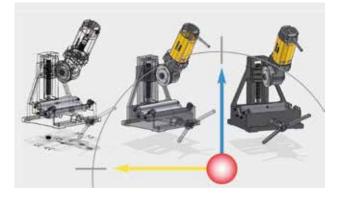
They are creative and have plenty of practical experience, they continuously find possibilities for improvement of the work of the installation professional: REMS development engineers are innovative and therefore important factors in the success of the company.

# REMS – heading technical progress for more than 100 years. Development is never finished.

Since its foundation in 1909 REMS has been developing products for the pipe working, especially for sanitary and heating installers. At first, hand tools and then subsequently machines and electric power tools. The stipulation of the company founder Christian Föll "REMS must be superior" has always been the benchmark for our actions. Today REMS is a leading manufacturer of machines and tools for the pipe working.

REMS development engineers have persuasive, groundbreaking ideas which ease the daily routines of the installations professional. They have all the significant requirements in their focus and use all their comprehensive practical experience. Experts from all areas of industry ensure that every possibility for improvement is integrated in the new development. In this way the perfect tools for the tough demands of the building site are created. The REMS products are highly valued because of their innovative technology as well as their high standards of quality and are being used everywhere in the world. Both trade and user profit in this way.

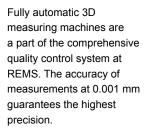
Again and again REMS is able to maintain its position at the forefront of technical progress as a result of its innovative products. Many valid national and international patents prove this.



Through the application of modern construction and development techniques, the quality of REMS products has been to the fore from the beginning: Safe use, robust design, simple operation, durability.



New ideas, technical progress and REMS belong together: e.g. REMS Amigo, REMS Tiger, REMS Curvo, REMS Mini-Press ACC – products, which have revolutionised the application technology.



# Highly modern production – guarantor for REMS quality products.

Made in Germany. Our own production plant is located in Waiblingen near Stuttgart, in the centre of Germany's high-tech industrial region. There highly modern equipment and facilities are available for research and development, for production and quality control. In addition to this there is a permanent staff of highly-qualified employees, who in part represent the 4th generation of service at REMS. They have the special level of knowledge and experience that is essential for the manufacture of quality products.

Quality means much more to REMS than simply dimensional accuracy and function. It is backed up by a comprehensive quality control system, which begins as early as the assessment of market needs and which is ever present during the product development and manufacture and continues with systematic quality analysis in the market. Furthermore the quality of the production processes is regularly monitored and affirmed by the testing agency that awards the GS safety sign.

All REMS products correspond with safety and accident prevention regulations and fulfil the respective appropriate European standards according to the terms of the EU directives. Additionally, with the exception of a few hand tools which are not safety relevant, all REMS products are checked and approved by independent testing agencies. All REMS products thereby meet an especially high standard with regard to work safety, functional safety and operational safety.



Permanent innovations in processes as well as investments in efficient CNC manufacturing systems engineering ensure that REMS products are amongst the best in the world.





Flexible assembly lines allow adjustment to the requirements of the customer at any time.

REMS is evaluated as having the largest number of training staff in the region. So it is able to maintain its own know-how at a high level.



Tightly defined test intervals during the whole manufacturing process as well as comprehensive function and safety checks after completion of the assembly ensure that no faulty product leaves the plant.



### Nobody hardens metal better than us. Therefore, we do it ourselves.

Highly durable, safe in application and extremely resilient – a tool can only meet such demands if the components are perfectly hardened.

An important cornerstone for the quality of REMS tools is laid in our own heat treatment shop. The decades of experience has provided important know-how and is the secret of REMS quality tools. The special heat treatment leads to an ideal combination of solidity and robustness and to an especially long durability, as, for example for threading dies, cutter wheels and pressing tongs. The heat treatment process is automatically monitored and permanently recorded by efficient computer technology. This allows a uniformly high product quality.



Our own heat treatment shop – an important aspect of the know-how and the secret of REMS quality tools.



The proven, indestructible REMS quality threading dies. Of robust, especially hardened special steel.



REMS cutter wheels complement the special demands of the various materials. In particular the special hardening process determines the durability of the REMS cutter wheels.





The art of hardening: It creates extremely resilient components for the highest demands.

Only two from every 45 employees in the logistics industry know that time is money. Speed and absolute reliability are the most important factors for delivery and service.

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### REMS – for professionals. Excellent service. On location everywhere.

REMS produces machines and tools for professionals – the demands required are high. REMS fulfils its tasks with competence, responsibility and a first-rate service. This also includes the swift delivery as well as maintenance and repair work. A high degree of flexibility and absolute reliability are the basis for the excellent service.

The whole logistics organisation is oriented towards the needs of our customers. In order to be able deliver promptly REMS keeps more than 10,000 items ready in the central storage facility. All wear and replacement parts are always available. A service that keeps down-times to a minimum.

In the case of a repair the area-wide network of contracted customer service workshops is available for a rapid and professional repair. Highly-qualified and well-trained staff repair and maintain the machines and tools for our customers. After completion of the repair or Inspection the products are returned again to the customer by the fastest means.



Speed is a question of logistics. REMS keeps wear and replacement parts in stock in a 14,000 m<sup>2</sup> storage facility.



The demands at the building site are extreme – wear parts are worn, the need for repairs arises. The REMS customer services department is ready and flexible. There is an extensive service organisation in more than 25 countries.



Service is extremely important for REMS: All demonstration vehicles for the more than 200 REMS specialist advisors are fitted with testing equipment with which the function test and force of pressure measurement for REMS radial presses can be carried out on location everywhere.



### REMS – business partner to the trade. Excellent advice for contented customers.

Only those who receive competent advice when purchasing find the individually best, economic solution for the tasks ahead. For this reason REMS assigns great significance to the product training of its own REMS specialist advisors and also the staff in the specialist stores.

In the REMS training centre, modern and fully-fitted demonstration, training and conference rooms are available in an area of 1,600 m<sup>2</sup>. The practical-oriented training gives the staff of the specialist stores, in an understandable form, a broad basis and high specialist competence for product advice and successful sale. The detailed sales documentation with information relating to all necessary product specifications facilitate a swift product selection and are the basis for the simple and time-saving generation of offers.

This partnership with the specialist store also guarantees the user qualified, comprehensive product advice and excellent service.



REMS training centre in Waiblingen near Stuttgart.



Modern and fully-fitted demonstration rooms: REMS creates many opportunities for the specialist-store staff to become familiar with the products.



Rudolf Allgäuer, one of more than 200 qualified REMS specialist advisors is flexible and, when needed, swiftly on location for training courses and presentations.

for Professionals

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## **REMS – Market strength through a consistent product and sales philosophy.**

REMS' basis for market strength is technically-advanced and high-quality products as well as a product range tightly concentrated on high turnover units and highly competitive prices thanks to the rational, economical in-house production.

At the centre of the sales philosophy the principle has always been that REMS products are sold exclusively via specialist dealers. These are supported by REMS in many ways. REMS specialist advisors equipped with demonstration vehicles carry out product training on location and demonstrate the REMS products at on-site visits, counter demonstrations and at in-house exhibitions. They advise in the selection of the tools and find the most comfortable, reliable and economical solution in each individual situation.



The consistent sales philosophy is designed for long-term results, trust and predictability.



This is how installation professional become familiar with the product range in practice: The REMS specialist advisors are on the road with demonstration vehicles and demonstrate the machines and tools in real situations, directly on the building site.



The REMS product presentation system – the ideal opportunity for the specialist stores to optimally present the REMS products: touch – compare – select.



### Touch. Compare. Select. Promoting the mutual sale.

The participation at many national and international trade fairs, the advertising in trade magazines and the direct mail marketing to the user is highly valued by trade outlets as sales-promotion measures.

The attractive REMS product presentation system provides the trade outlet with an optimal presentation of the REMS products: Touch, compare, select. The individual stocking with REMS products is carried out with close cooperation between the REMS specialist advisors and the trade outlet.

The online information system at www.rems.de offers extensive opportunities to find out information about the REMS group, the REMS products and their application possibilities and operation. Furthermore, the user has access to the complete online catalogue and detailed technical documentation, information about current trade fair appearances and addresses of REMS contracted customer service workshops, download opportunities of sales documentation, operating instructions, parts lists, product illustrations and product films, opportunities to order sales documentation in various languages for postal dispatch, e-mail addresses for REMS contracts and much more.



The REMS products are exhibited and demonstrated at many national and international trade fairs.



Practical for the trade, clear for the customers – the REMS product presentation system.





The online information system at www.rems.de



Dietmar Herdrich, Sanitary Team Leader:

"High-quality tools from REMS are our first choice for standard installation."

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### One of more than 500,000 satisfied customers. With REMS products through the history of the company.

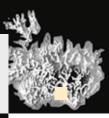
The Europa Park was opened by the Mack family in 1975. The Europa Park covers more than 95 hectares and is divided into 13 European theme areas with typical national architecture offering unique enjoyment with more than 100 attractions. Many of the attractions are operated with water and/or gas. Since the beginning, Europa-Park GmbH & Co Mack KG has employed its own plumbers who install and maintain the systems behind the scenes. Dietmar Herdrich, Sanitary Team Leader, and his 15 highly qualified colleagues constantly look after the safety of the systems.

"We have been working with machines and tools from REMS since the Europa Park first opened. In 2015 the Europa Park will be celebrating its 40th anniversary and with it one of our REMS thread cutting die stocks which is still in operation. The easy handling and high quality of the products have always impressed us. It has always been natural for me and my colleagues to rely on REMS. The REMS products are used for many of our daily tasks and always meet our high demands."





Gas installation for the fire effects of the Wodan roller coaster and water treatment system with filter station for the Atlantica SuperSplash roller coaster.



REMS products are highly valued and used across the world because of their innovative technology and high standards of quality. REMS products are available in all locations where perfection in installation work is demanded.

### More than 20,000 trade partners in Europe: REMS products are available locally everywhere.

Innovative products and a high standard of quality open new markets for REMS. In the last years the market area has been continuously build-up and extended. Reliable trade partners throughout Europe and beyond guarantee that ever more customers can be persuaded of the quality of REMS.



REMS sets benchmarks for quality throughout Europe – the sales are carried out through the tight network of reliable trade partners in the whole of Europe which are in turn supported by more than 200 well trained REMS specialist advisors.



Sales subsidiaries in many countries deliver optimum conditions for users and trade outlets.



### Threading Roll Grooving

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### **REMS** eva

Hand die stock with quick-change die heads

Proven quality die stock with excellent threading capabilities.

•	
Pipe threads	1∕₃−2", 16−50 mm
Bolt threads	6–30 mm, ¼–1"

Thread types see page 30, 31.

#### REMS eva – the plumber's die stock. Excellent start-cutting and threading. Steel ratchet lever, thickly plastic coated. Only one type of quick-change die heads. Indestructible quality dies.

#### System advantage

Large working range up to 1¼" and up to 2" with only **one** ratchet lever. Only **one** type of small, compact quick-change die heads and only **one** type of dies. The same quick-change die heads fit all REMS die stocks and other suitable makes of die stocks. Efficient and easy stocking. No confusion possible.

#### Ratchet lever

Robust. Ratchet lever in steel, thickly plastic coated, for convenient operation. Serrated plastic handle for secure grip. Easy adjustment of ratchet rotation. Perfect, secure seating of quick-change die heads, fast and easy change.

#### Quick-change die heads

Proven technology, high-grade material and precise machining of die head, dies and cover form a unit and ensure an excellent start-cutting performance and easy threading. No stalling of dies. Long, precise pipe guidance for perfect pipe centering. The chip holes which become wider at the outside enable good chip flow and clean threads. Quick-change die heads S for cutting pipe threads in hard-to-reach areas (page 25).

#### Dies

The proven, indestructible REMS quality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

#### **Thread-cutting oil**

REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

#### Nipple-threading

Efficient with REMS Nippelspanner 3/8-2" (page 48).



German Quality Product





 Art.-No.
 S22000

 526050
 Image 94.

#### Supply format

**REMS eva Set.** Hand die stock with quick-change die heads. For pipe threads  $\frac{1}{2}$ -2", 16–50 mm, bolt threads 6–30 mm,  $\frac{1}{4}$ -1". For right and left-hand threads. 1 ratchet lever for the complete work range. Quick-change die heads with dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R right-hand respectively for threading electric conduit according to EN 60423 M. In sturdy steel case or in a cardboard box.

Description/Size	ArtNo.		
REMS eva Set in steel case			
R ½-¾-1	520014		
R 1⁄2-3⁄4-1-11⁄4	520015		
R 3/8-1/2-3/4-1-11/4	520013		
R ½-¾-1-1¼-1½-2	520017		
R ¾-½-¾-1-1¼-1½-2	520016		
M 16-20-25-32 (M × 1.5)	520010		
M 20-25-32-40 (M × 1.5)	520009		
REMS eva Set in cardboard box			
R 1/2-3/4	520008		
R ½-¾-1	520004		
R <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>3</sup> / <sub>4</sub> -1-1 <sup>1</sup> / <sub>4</sub>	520003		
DEMO ave Oate facility hand threads and right and left hand threads			

REMS eva Sets for left-hand threads and right and left-hand threads as well as for NPT threads available.

Description	ArtNo.
Ratchet lever for complete work range	522000
Quick-change die heads S see page 25.	
Quick-change die heads, dies, attachment heads for button dies, see page 30-31.	
Steel case with inlay, for REMS eva 3/8-2"	526050
Thread-cutting oil see page 49.	
REMS Nippelspanner 3/8-2" see page 48.	
<b>REMS Aquila 3B</b> , pipe workstation with chain pipe vi on folding tripod stand, see page 94.	ice
REMS Aquila WB, chain pipe vice for workbench, se	e page 94.

### **REMS** quick-change die heads S

For cutting pipe threads in hard-to-reach areas, e.g. caved wall, lay bare pipes, trench. Ideal for repair and renovation.

Pipe threads

<sup>3</sup>/<sub>8</sub>-1<sup>1</sup>/<sub>4</sub>"

### REMS quick-change die heads S – the trouble shooter for hard-to-reach areas.

Quick-change die heads S with specially mounted dies.

Additional, precise pipe guidance at the cover side (Patent EP 0 875 327) ensure perfect pipe centering and easy start-cutting.

Extension of ratchet drive REMS eva for threading in caved areas.

Quick-change die heads S and extension fit into the ratchet lever REMS eva and other suitable die stocks.





German Quality Product



#### Supply format

**Die heads S Set.** choice of quick-change die heads S for pipe threads tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT) respectively Taper Pipe Thread ASME B1.20.1, Extension 300 mm. In sturdy steel case.

Description	ArtNo.
Set R <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>3</sup> / <sub>4</sub>	520025
Set R 1/2-3/4-1	520026
Set NPT 1/2-3/4-1	520056

Description	Size	ArtNo.	
Ratchet level for complete work range		522000	
Quick-change die heads S Pipe threads tapered, right ISO 7-1, EN 10226 (DIN 2999, BSPT) R <sup>1</sup> / <sub>2</sub> R <sup>3</sup> / <sub>4</sub> R 1 R 1 <sup>1</sup> / <sub>4</sub>		521026 521036 521046 521056 521066	
Extension 300 mm		522051	
Steel case with inlay for ratchet lever, 4 quick-change die heads S and extension.		526052	





### **REMS Amigo E**

Electric die stock with quick-change die heads

Powerful, super handy electric tools for threading with unique support bracket. Ready to use anywhere, without vice. Ideal for repair, renovation, job site.

Pipe threads

⅓–1", 16–32 mm

Thread types see page 30, 31.

### **REMS** Amigo E – the fastest, strongest and lightest up to 1".

#### System advantage

Only **one** type of small, compact quick-change die heads and only **one** type of dies for all REMS die stocks. Thus efficient and easy stocking. No confusion possible.

#### Support bracket

Solid, easy to use, supports the die stock against torque in both directions. Secure clamping through angular clamping spindle with self-supporting effect. Very simple mounting of die stock onto support bracket and pipe.

#### Design

Compact, robust, job site-proven. Can be used anywhere, even without vice. Slender design for working in confined areas. Drive unit only 3.4 kg, without die head. No heavy top, therefore single-hand operation possible. Perfect, secure seating of quick-change die heads.

#### Drive

Solid, compact, maintenance-free gear. Robust, powerful 950 W universal motor with 30 % power increase thanks to automatic carbon brush adjustment while changing the direction of rotation. Peak power input up to 1500 W. Fast threading time 35-27 rpm. Safety tip switch.

#### Quick-change die heads

Proven technology, high-grade material and precise machining of die head, dies and cover form a unit and ensure an excellent start-cutting performance and easy threading. No stalling of dies. Long, precise pipe guidance for perfect pipe centering. The chip holes which become wider at the outside enable good chip flow and clean threads.

#### Dies

The proven, indestructible REMS quality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

#### Thread-cutting oil

REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

#### Nipple-threading

Efficient with REMS Nippelspanner 3/8-1" (2") (page 48).



German Quality Product

Tested by electrosuisse

#### Supply format

**REMS Amigo E Set.** Electric die stock with quick-change die heads. For pipe threads  $\frac{1}{6} - 1^{"}$ , 16–32 mm, bolt threads 6–30 mm,  $\frac{1}{4} - 1^{"}$ . For right and left-hand threads. Drive unit with maintenance-free gear, powerful universal motor 230 V or 110 V, 50–60 Hz, 950 W, safety tip switch, power increase thanks to automatic carbon brush adjustment. Peak power input up to 1500 W. Right and left-hand rotation. Support bracket for both directions. REMS eva quick-change die heads for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R right-hand respectively for threading electric conduit according to EN 60423 M. In sturdy steel case.

Description	ArtNo.
Set R ½-¾-1	530013
Set M 20-25-32	530014

REMS Amigo E Set for NPT threads available.

Description	ArtNo.	
Quick-change die heads, dies, attachment heads for button dies, see page 30–31.		
REMS Amigo E drive unit	530003	
Support bracket	533000	
REMS REG St 1/4-2", pipe deburrer, see page 87.	731700	
Dual purpose holder for threading and sawing with REMS Amigo E, Amigo, Amigo 2 and REMS Tiger ANC	543100	
Ratchet level see page 24.	522000	
Thread-cutting oil see page 49.		
REMS Nippelspanner %-2" see page 48.		
Steel case with inlay	536000	





### **REMS Amigo**

Powerful, easy-to-operate electric tool for threading with unique support bracket. Ready for use anywhere, without vice. Ideal for repair, renovation, job site.

Pipe threads

Bolt threads

<sup>1</sup>⁄₃−1<sup>1</sup>⁄₄", 16−40 mm 6−30 mm, <sup>1</sup>⁄₄−1"

Thread types see page 30, 31.

### **REMS** Amigo – the smallest, lightest, strongest and fastest up to $1\frac{1}{4}$ ".

#### System advantage

Only **one** type of small, compact quick-change die heads and only **one** type of dies for all REMS die stocks. Thus efficient and easy stocking. No confusion possible.

#### Support bracket

Solid, easy to use, supports the die stock against torque in both directions. Secure clamping through angular clamping spindle with self-supporting effect. Very simple mounting of die stock onto support bracket and pipe.

#### Design

Compact, robust, job site-proven. Can be used anywhere, even without vice. Slender design for working in confined areas. Drive unit only 3.5 kg, without die head. No heavy top, therefore single-hand operation possible. Perfect, secure seating of quick-change die heads.

#### Drive

Solid, compact, maintenance-free gear. Robust, powerful 1200 W universal motor with 30% power increase thanks to automatic carbon brush adjustment while changing the direction of rotation. Peak power input up to 1800 W. Fast threading time 35–27 rpm. Safety tip switch.

#### Quick-change die heads

Proven technology, high-grade material and precise machining of die head, dies and cover form a unit and ensure an excellent start-cutting performance and easy threading. No stalling of dies. Long, precise pipe guidance for perfect pipe centering. The chip holes which become wider at the outside enable good chip flow and clean threads.

#### Dies

The proven, indestructible REMS quality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

#### Thread-cutting oil

REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

#### Nipple-threading

Efficient with REMS Nippelspanner 3/8-11/4" (2") (page 48).

Electric die stock with quick-change die heads



German Quality Product

#### Supply format

**REMS Amigo Set.** Electric die stock with quick-change die heads. For pipe threads ½–1¼", 16–40 mm, bolt threads 6–30 mm, ½–1". For right and left-hand threads. Drive unit with maintenance-free gear, powerful universal motor 230 V or 110 V, 50–60 Hz, 1200 W, safety tip switch, power increase thanks to automatic carbon brush adjustment. Peak power input up to 1800 W. Right and left-hand rotation, overload protection switch. Support bracket for both directions. REMS eva quick-change die heads for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R right-hand respectively for threading electric conduit according to EN 60423 M. In sturdy steel case.

Description	ArtNo.
Set R 1/2-3/4-1-11/4	530020
Set M 16-20-25-32 (M × 1,5)	530022
Set M 20-25-32-40 (M × 1,5)	530023

REMS Amigo Set for NPT threads available.

Description	ArtNo.	
Quick-change die heads, dies, attachment heads for button dies, see page 30-31.		
REMS Amigo drive unit	530000	
Support bracket	533000	
REMS REG St 1/4-2", pipe deburrer, see page 87.	731700	
Dual purpose holder for threading and sawing with REMS Amigo E, Amigo, Amigo 2 and REMS Tiger ANC	543100	
Ratchet lever see page 24.	522000	
Thread-cutting oil see page 49.	· · · · · ·	
REMS Nippelspanner 3/8-2" see page 48.		
Steel case with inlay	536000	





### **REMS Amigo 2**

Electric die stock with quick-change die heads

Powerful, easy-to-operate electric tool for threading with unique support bracket. Ready for use any-where, without vice. Ideal for repair, renovation, job site.

Pipe threads	⅓–2", 16–50 mm
Bolt threads	6–30 mm, ¼–1"
Pipe threads with REMS 4" automati	c die head 21/2-4"
Thread types see page 30, 31.	

#### REMS Amigo 2 - extremely strong up to 2".

#### System advantage

Only one type of small, compact quick-change die heads and only one type of dies for all REMS die stocks. Thus efficient and easy stocking. No confusion possible.

#### Support bracket

Solid, easy to use, supports the die stock against torque in both directions. Secure clamping through angular clamping spindle with self-supporting effect. Very simple mounting of die stock onto support bracket and pipe.

#### Design

Compact, robust, job site-proven. Can be used anywhere, even without vice. Slender design for working in confined areas. Drive unit only 6.5 kg, without die head. Perfect seating of quick-change die heads.

#### Drive

Solid, maintenance-free gear. Robust 1700 W universal motor with 30 % power increase thanks to automatic carbon brush adjustment while changing the direction of rotation. Fast threading time 30-18 rpm. Safety tip switch.

#### Quick-change die heads

Proven technology, high-grade material and precise machining of die head, dies and cover form a unit and ensure an excellent start-cutting performance and easy threading. No stalling of dies. Long, precise pipe guidance for perfect pipe centering. The chip holes which become wider at the outside enable good chip flow and clean threads.

#### Dies

The proven, industructible REMS quality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

#### Thread-cutting oil

REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

#### Nipple-threading

Efficient with REMS Nippelspanner 3/8-1" (2") (page 48).



German Quality Product



Tested by electrosuisse 📎

#### Supply format

**REMS Amigo 2 Set.** Electric die stock with quick-change die heads. For pipe threads ½–2", 16–50 mm, bolt threads 6–30 mm, ¼–1". For right and left-hand threads. Drive unit with maintenance-free gear, powerful universal motor 230 V or 110 V, 50–60 Hz, 1700 W, safety tip switch, power increase thanks to automatic carbon brush adjustment, right and left-hand rotation. Support bracket for both directions. REMS eva quick-change die heads for pipe threads, tapered, ISO 7–1, EN 10226 (DIN 2999, BSPT) R right-hand respectively for threading electric conduit according to EN 60423 M. In sturdy steel case.

Description	ArtNo.	
Set R 1/2-3/4-1-11/4-11/2-2	540020	
Set M 20-25-32-40-50 (M × 1.5)	540022	
REMS Amigo 2 Set for NPT threads available		

REMS Amigo 2 Set for NPT threads available. Other voltages on request.

Description	ArtNo.
Quick-change die heads, dies, attachment heads for button dies, see page 30-31.	
REMS Amigo 2 drive unit	540000
Support bracket Amigo 2	543000
REMS REG St 1/4-2", pipe deburrer, see page 87.	731700
<b>Dual purpose holder</b> for threading and sawing with REMS Amigo E, Amigo, Amigo 2 and REMS Tiger ANC	543100
Ratchet level see page 24.	522000
Thread-cutting oil see page 49.	
REMS Nippelspanner %-2" see page 48.	
REMS 4" automatic die head, 21/2-4", see page 41.	
Steel case with inlay	546000





### **REMS Amigo 2 Compact**

Electric die stock with quick-change die heads

Powerful, easy-to-operate electric tool for threading with unique support bracket. Ready for use any-where, without vice. Ideal for repair, renovation, job site.

Pipe threads Bolt threads

⅓–2", 16–50 mm 6–30 mm, ¼–1"

Thread types see page 30, 31.

#### REMS Amigo 2 Compact –

The smallest and lightest up to 2".

#### System advantage

Only **one** type of small, compact quick-change die heads and only **one** type of dies for all REMS die stocks. Thus efficient and easy stocking. No confusion possible.

#### Support bracket

Solid, easy to use, supports the die stock against torque in both directions. Secure clamping through angular clamping spindle with self-supporting effect. Very simple mounting of die stock onto support bracket and pipe.

#### Design

Compact, robust, job site-proven. Can be used anywhere, even without vice. Slender design for working in confined areas. Drive unit only 4.9 kg, without die head. Perfect seating of quick-change die heads.

#### Drive

Solid, maintenance-free gear. Robust 1200 W universal motor with 30% power increase thanks to automatic carbon brush adjustment while changing the direction of rotation. Peak power input up to 1800 W. Fast threading time 30–18 rpm. Safety tip switch.

#### Quick-change die heads

Proven technology, high-grade material and precise machining of die head, dies and cover form a unit and ensure an excellent start-cutting performance and easy threading. No stalling of dies. Long, precise pipe guidance for perfect pipe centering. The chip holes which become wider at the outside enable good chip flow and clean threads.

#### Dies

The proven, industructible REMS quality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

#### Thread-cutting oil

REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

#### Nipple-threading

Efficient with REMS Nippelspanner 3%-1" (2") (page 48).



German Quality Product



Tested by electrosuisse 📎

#### Supply format

**REMS Amigo 2 Compact Set.** Electric die stock with quick-change die heads. For pipe threads  $\frac{1}{6}-2^{\circ}$ , 16–50 mm, bolt threads 6–30 mm,  $\frac{1}{4}-1^{\circ}$ . For right and left-hand threads. Drive unit with maintenance-free gear, powerful universal motor 230 V or 110 V, 50–60 Hz, 1200 W, safety tip switch, power increase thanks to automatic carbon brush adjustment. Peak power input up to 1800 W. Right and left-hand rotation. Overload protection. Support bracket for both directions. REMS eva quick-change die heads for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R right-hand respectively for threading electric conduit according to DIN DN 60423 M. In sturdy steel case.

Description	ArtNo.	
Set R 1/2-3/4-1-11/4	540023	
Set R 1/2-3/4-1-11/4-11/2-2	540024	
Set M 20-25-32-40-50 (M × 1,5)	540025	
DEMO Amine O Compared Cat for NDT threads available		

REMS Amigo 2 Compact Set for NPT threads available. Other voltages on request.

Description	ArtNo.
Quick-change die heads, dies, attachment heads for button dies, see page 30–31.	
REMS Amigo 2 Compact drive unit	540001
Support bracket Amigo 2 Compact	543010
REMS REG St ¼-2", pipe deburrer, see page 87.	731700
Ratchet lever see page 24.	522000
Thread-cutting oil see page 49.	
REMS Nippelspanner 3/8-2" see page 48.	
Steel case with inlay	546000





### **REMS** quick-change die heads

#### Accessories for REMS die stocks and other makes

#### **REMS** quick-change die heads

Proven technology, high-grade material and precise machining of die head, dies and cover form a unit and ensure an excellent start-cutting performance and easy threading. No stalling of dies. Long, precise pipe guidance for perfect pipe centering. The chip holes which become wider at the outside enable good chip flow and clean threads.

Thread type	Size	ArtNo.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 1/4 R 1/4 R 3/4 R 1/2 R 1 R 1 1/4 R 11/4 R 11/2 R 2	521000 521010 521020 521030 521040 521050 521060 521060 521070 521080
Pipe threads R tapered, left-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	$\begin{array}{cccc} R & 1 \\ R & 1 \\ A & 1 \\ R & 1 \\ L \\ R & 1 \\ R & 1 \\ L \\ R & 1 \\ R & 1 \\ L \\ R & 1 \\ L \\ R & 1 \\ R & 1 \\ L \\ R & 1 \\ R & 1 \\ L \\ R & 1 \\ R & 1 \\ L \\ R & 1 \\ R & $	521100 521110 521120 521130 521140 521150 521160 521160 521170 521180
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT 1/4 NPT 1/4 NPT 3/6 NPT 1/2 NPT 3/4 NPT 1 NPT 11/4 NPT 11/2 NPT 2	521200 521210 521220 521230 521240 521250 521260 521260 521270 521280
Threads M for electric conduit EN 60423	M 16 × 1.5 M 20 × 1.5 M 25 × 1.5 M 32 × 1.5 M 40 × 1.5 M 50 × 1.5	521300 521310 521320 521330 521330 521340 521350



Right-hand pipe thread



German Quality Product

### **REMS dies**

#### Accessories for REMS die stocks

#### **REMS dies**

The proven, indestructible REMS quality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

ior extremely long de life.		
Thread type	Size	ArtNo.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 1/4 R 1/4 R 3/6 R 1/2 R 1 R 1 R 1 1/4 R 11/2 R 2	521002 521012 521022 521032 521042 521052 521062 521062 521072 521082
Pipe threads R tapered, left-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	$\begin{array}{cccc} R \ \% & LH \\ R \ 1 & LH \\ R \ 1 & LH \\ R \ 1\% & LH \\ R \ 1\% & LH \\ R \ 2 & LH \end{array}$	521102 521122 521122 521132 521142 521152 521162 521162 521172 521182
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT 1/6 NPT 1/4 NPT 3/6 NPT 1/2 NPT 3/4 NPT 1 NPT 11/4 NPT 11/2 NPT 2	521202 521212 521222 521232 521242 521252 521262 521262 521272 521282
Threads M for electric conduit EN 60423	M 16 × 1.5 M 20 × 1.5 M 25 × 1.5 M 32 × 1.5 M 40 × 1.5 M 50 × 1.5	521302 521312 521322 521322 521332 521342 521352



German Quality Product

## Attachment heads for button dies / intermediate rings / guide bushings

### Accessories for REMS die stocks and other makes





Intermediate ring

Incorporating button dies

#### Attachment heads

Attachment heads for incorporating standard, round button dies of all thread types. Locking of button dies to the attachment head with stud bolt.			
Description	Size	ArtNo.	
Attachment head for button dies	Ø 65 mm	731200	
Attachment head for button dies	G 1¼	731250	
Attachment head for button dies	Ø 105 mm	541401	

#### Intermediate rings

Intermediate rings for different outside diameters of button dies.		
Description	Size	I.D. mm ArtNo.

Description	Size	1.D. mm	AIL-NO.	
Intermediate rings	M 6-9			
to attachment head	20/25		731205	
731200	M 10-11	30	731210	
	M 12-14 (Pg 7-9)	38	731220	
	M 16-20 (Pg 11-13.5	5) 45	731230	
without	M 22-24 (Pg 16)	55	731240	
intermediate ring				
	M 27–30 (Pg 21–29)	65		
Intermediate rings	Ø 65/105 (Pg 21–29)	65	541404	
to attachment head	Ø 75/105	75	541406	
541401	Ø 90/105 (Pg 36)	90	541410	
without				
intermediate ring	Pg 42–48	105		

#### **Guide bushings**

Guide bushings for easy and concentric start-cutting.

Description	Size	ArtNo.
Guide bushings	Ø 6	731301
to attachment head	Ø 8	731302
731200	Ø 10	731303
	Ø 12	731304
	Ø 14	731305
	Ø 16	731306
	Ø 18	731307
	Ø 20	731308
	Ø 22	731309
	Ø 24	731310
	Ø 27	731311
	Ø 30	731312
	Ø 12.8 (Pg 7)	731320
	Ø 15.5 (Pg 9)	731321
	Ø 18.9 (Pg 11)	731322
	Ø 20.7 (Pg 13.5)	731323
	Ø 22.8 (Pg 16)	731324 731325
	Ø 28.6 (Pg 21)	731326
	Ø 37.3 (Pg 29)	
Guide bushings	Ø 28.6 (Pg 21)	541413
to attachment head	Ø 37.3 (Pg 29)	541414
541401	Ø 47.3 (Pg 36)	541415
	Ø 54.3 (Pg 42)	541416







German Quality Product

### **REMS Tornado**

Proven high performance machine for threading, cutting, deburring, threading of nipples, roll grooving. For installation, metalworking, industry. For job site and workshop

i or job onto ana workonop.			
Pipe threads	( <sup>1</sup> / <sub>16</sub> ) ½-2", 16-		
Bolt threads	(6) 10–60 mm, ¼–2'		
Pipe threads with REMS 4" au	itomatic die head	21⁄2-4"	
Thread types see page 40.			
Dipo grooving with			

Pipe grooving with REMS roll grooving attachment

DN 25-300 1-12"

#### REMS Tornado – a class of its own. Automatic chuck. Universal automatic die head. Automatic lubrication and cooling.

### **Operating principle**

Rotating material - stationary tools.

#### Design

Robust, job site-proven. Favourable size and weight, e.g. REMS Tornado 2000 complete only 50 kg. Large work and chip compartment. Easy handling of chip tray. Adjustable height material support.

- 2 versions: Portable version with 3 tubular legs, with removable large oil basin
- and chip tray. Version T with integrated, even larger oil basin and chip tray.
- For workbench. Stand, collapsible wheel stand or wheel stand with material shelf, as an accessory, for easy transport, optimum working height and stable positionina.

#### Drive

Extremely powerful and fast, e.g. R 2" thread in only 15 s. Completely maintenance-free gear which runs in a sealed oil bath.

Choice of 3 powerful motors:

- Strong universal motor, 1700 W. verload protection. Spindle speed 53 rpm.
- Pole-reversible capacitor motor, 2100 W. Overload protection. 2 spindle speeds 52 and 26 rpm, also under full load. Extremely quiet running.
- Pole-reversible 3~induction motor, 2000 W. Overload protection. 2 spindle speeds 52 and 26 rpm, also under full load. Extremely quiet running.

Operator-friendly safety foot switch with emergency-stop, 2-step. Foot switch, can be loaded with the full body weight during operation.

#### **Automatic chuck**

2 automatic chucks with self-centering clamping jaws for easy and fast clamping and release of the material. Self-tightening, hence maximum clamping force. No slipping of pipes

#### Automatic lubrication and cooling

Robust, proven oil pump with high pumping volume. Optimized oil distribution directly onto the threading point through the die head ensures clean threads and long service life of dies, gear and motor.

#### Universal automatic die head

Only one universal automatic die head for all threads, including long threads; automatic opening with automatic thread-length-stop for tapered threads. Fast and easy adjustment of thread size. Easy-to-read thread-size scale. Simple and fast change of dies through lock-in positioning in die holder.

#### Dies

The proven, indestructible REMS quality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

#### **Pipe cutter**

Self centering. Robust body made of forged steel. Ergonomic, wide handle for powerful infeed of spindle. Specially hardened cutter wheel in tough-hard REMS die-steel ensures long service life.

#### Inner pipe deburrer

Robust, easy-to-handle deburring device with adjustable deburring positioning. Specially hardened and designed deburring blade ensures easy deburring and extremely long service life. Two cutting edges for optimum chip flow, specially for small diameters.

**Thread-cutting oil** REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

#### **REMS 4**"automatic die head

for pipe threads 21/2-4" (page 41).





German Quality Product









Choice of 3 powerful motors.



### **REMS Tornado**

#### Nipple-threading

Efficient with the automatic internal clamping REMS Nippelfix  $\frac{1}{2}-2^{"}$  (4") or with the manual internal clamping REMS Nippelspanner  $\frac{3}{8}-2^{"}$  (page 48).

#### **REMS roll grooving attachment**

Robust, compact roll grooving attachment with oil hydraulic in-feed for pipe grooving of grooved coupling systems DN 25-300, 1-12" (page 50).

#### Supply format

**REMS Tornado.** Threading machine for pipe threads (1/16)  $\frac{1}{6}$  -2", 16-63 mm, bolt threads (6) 10-60 mm,  $\frac{1}{4}$  -2". With maintenance-free gear, safety foot switch with emergency-stop, 2 automatic chucks, automatic lubrication and cooling. With tool set consisting of one universal automatic die head for all threads, also long threads, automatic opening, with automatic thread-length-stop for tapered threads. Dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R  $\frac{1}{2}$ - $\frac{3}{4}$ " and R 1-2" right-hand, pipe cutter, inner pipe deburrer, pressing lever, adjustable height material support. Choice of 3 motors. Portable version with 3 tubular legs, with removable, large oil and chip tray. Version T with integrated, even bigger oil tray and chip tray, for workbench, stand, collapsible wheel stand or wheel stand with material shelf. In a carton.

or whoor orang			
Description	Version	ArtNo.	
2000	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm. Portable, 3 legs.	340200	
2010	Pole-reversible capacitor, motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running. Portable, 3 legs.	340201	
2020	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running. Portable, 3 legs.	340202	
2000 T	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm For work bench, stand or wheel stand.	340206	
2010 T	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running. For work bench, stand or wheel stand.	340207	
2020 T	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running. For work bench, stand or wheel stand.	340208	
Otherweltere	and NDT versions on request		

Other voltages and NPT versions on request.

#### Accessories

Description	ArtNo.	
Stand	344105	
Wheel stand with material shelf	344100	
Collapsible wheel stand	344150	
Dies see page 40.		
Universal automatic die head <sup>1</sup> / <sub>16</sub> –2" quick-change die head instead of changing the dies	341000	
<b>REMS 4"automatic die head</b> for pipe threads 2½-4", see page 41.		
REMS cutter wheel St 1/8-4", s 8	341614	
Thread-cutting oil see page 49.		
Nipple holder see page 48.		
REMS Herkules material supports, see page 96.		
REMS roll grooving attachment for pipe grooving, see page 50.	347000	



Wheel stand (accessory)





### **REMS Magnum** (up to 2")

Threading machine

Robust, compact high performance machine for threading, cutting, deburring, threading of nipples, roll grooving. For installation, metalworking, industry. For job site and workshop.

Pipe threads	( <sup>1</sup> / <sub>16</sub> ) <sup>1</sup> / <sub>8</sub> -2", 16-63 mm
Bolt threads	(6) 8–60 mm, ¼–2"
Pipe threads with REMS 4" auto	omatic die head 2 <sup>1</sup> / <sub>2</sub> -4"
Thread types see page 40.	
Grooving of pipes with	
REMS roll grooving attachment	DN 25-300
	1–12"

#### REMS Magnum - the compact up to 2".

#### **Operating principle**

Rotating material - stationary tools.

#### Design

Robust, compact, job site-proven design. Favorable size and weight, e.g. REMS Magnum 2000 L-T only 57 kg. Large work and chip compartment. Tool support. 2 versions:

Light version L-T with removable large oil basin and chip tray.

Version T with integrated, even larger oil basin and chip tray.
 For workbench. Stand, collapsible wheel stand or wheel stand with material shelf,

as an accessory, for easy transport, optimum working height and stable positioning. Drive

Extremely powerful and fast, e.g. thread R 2" in only 15 s. Completely maintenance-free gear which runs in a sealed oil bath.

#### Choice of 3 powerful motors:

- Strong universal motor, 1700 W. Overload protection. Spindle speed 53 rpm.
- Pole-reversible capacitor motor, 2100 W. Overload protection. 2 spindle speeds 52 and 26 rpm,
- also under full load. **Extremely quiet running.** Pole-reversible 3~ induction motor, 2000 W.
- Overload protection. 2 spindle speeds 52 and 26 rpm, also under full load. Extremely quiet running.

Operator-friendly safety foot switch with emergency-stop, 2-step. Foot switch, can be loaded with the full body weight during operation.

#### Chuck

Proven quick-action hammer chuck, self-tightening. No slipping of pipes. Large space between chuck and centering device ensures secure clamping of long pipes. Rear centering device for alignment of the material.

#### Automatic lubrication and cooling

Robust, proven oil pump with high pumping volume. Optimized oil distribution directly onto the threading point through the die head ensures clean threads and long service life of diag. and long service life of dies, gear and motor

#### Universal automatic die head

Only one universal automatic die head for all threads, including long threads; automatic opening with automatic thread-length-stop for tapered threads. Fast and easy adjustment of thread size. Simple and fast change of dies through lock-in positioning in die holder.

#### Dies

The proven, indestructible REMS quality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

#### **Pipe cutter**

Self centering. Robust body made of forged steel. Ergonomic, wide handle for powerful infeed of spindle. Specially hardened cutter wheel in tough-hard REMS die-steel ensures long service life.

#### Inner pipe deburrer

Robust, easy-to-handle deburring device for adjustable deburring positioning. Specially hardened and designed deburring blade ensures easy deburring and extremely long service life. Two cutting edges for optimum chip flow, specially for small diameters

Thread-cutting oil REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines

#### **REMS 4**"automatic die head

#### for pipe threads 21/2-4" (page 41).

Nipple-threading

Efficient with automatic internal clamping REMS Nippelfix 1/2-2" (4") or with manual internal clamping REMS Nippelspanner 3/8-2" (page 48).

#### **REMS roll grooving attachment**

Robust, compact roll grooving attachment with oil hydraulic in-feed for pipe grooving of grooved coupling systems DN 25–300, 1–12" (page 50).





German Quality Product



Choice of 3 powerful motors.



## REMS Magnum (up to 2")



#### Supply format

**REMS Magnum.** Threading machine for pipe threads (1/16) ½–2", 16–63 mm, bolt thread (6)8–60 mm, ¼–2". With maintenance-free gear, safety foot switch bot thread (0)-00 mm, 74–2. With maintained-nee gear, sately not switch with emergency-stop, self-tightening quick-action hammer chuck, rear centering device, automatic lubrication and cooling. With complete tool set consisting of one universal automatic die head for all threads, also long threads; automatic opening, with automatic thread-length-stop for tapered threads, dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R %–% and R 1–2" right-hand, pipe cutter, inner pipe deburrer, pressing lever. Tool support. Choice of 3 motors. Version L-T with removable large oil basin and chip tray. Version T with integrated, even bigger oil tray and chip tray. For workbench, stand, collapsible wheel stand or wheel stand with material shelf. In a carton.

Version	ArtNo.	
Vereien	AIL-NO.	
Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm.	340226	
Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running.	340227	
Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running.	340228	
Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm.	340220	
Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running.	340221	
Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running.	340222	
	50–60 Hz, 1700 W. 53 rpm. Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running. Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running. Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm. Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running. Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also	50-60 Hz, 1700 W. 53 rpm.340226Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running.340227Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running.340228Universal motor 230 V or 110 V, 50-60 Hz, 1700 W. 53 rpm.340220Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running.340220Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running.340221Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running.340221

Other voltages and NPT versions on request.

Description	ArtNo.
Stand	344105
Wheel stand with material shelf	344100
Collapsible wheel stand	344150
Dies see page 40.	
Universal automatic die head <sup>1</sup> / <sub>16</sub> –2" quick-change die head instead of changing the dies	341000
<b>REMS 4"</b> automatic die head for pipe threads $2\frac{1}{2}-4$ ", see page 41.	
REMS cutter wheel St 1/8-4", s 8	341614
Thread-cutting oil see page 49.	
Nipple holder see page 48.	
REMS Herkules material supports, see page 96.	
<b>REMS roll grooving attachment</b> for pipe grooving, see page 50.	347000



### **REMS Magnum** (up to 3")

Threading machine

Robust, compact high performance machine for threading, cutting, deburring, threading of nipples, roll grooving. For installation, metalworking, industry. For job site and workshop.

Pipe threads Bolt threads	( <sup>1</sup> / <sub>16</sub> ) ½–3", 16–63 mm (6) 20–60 mm, ½–2"
Thread types see page 40.	
Dia a successione	

Pipe grooving DN 25-300 with REMS roll grooving attachment 1 - 12"

#### REMS Magnum - the super machine up to 3". Exceptionally round and clean threads up to 3" by using 5 threading dies.

### **Operating principle** Rotating material – stationary tools.

#### Design

Robust, compact, job site-proven design. Favorable size and weight, e.g. REMS Magnum 3000 L-T only 79 kg. Large work and chip compartment. Tool support. 2 versions:

Light version L-T with removable large oil basin and chip tray.

Version T with integrated, even larger oil basin and chip tray.

For workbench. Stand, collapsible wheel stand or wheel stand with material shelf, as an accessory, for easy transport, optimum working height and stable positioning.

#### Drive

Extremely powerful and fast. Completely maintenance-free gear which runs in a sealed oil bath.

<u>Choice of 3 powerful motors:</u>
 Strong universal motor, 1700 W.
 Overload protection. Spindle speed 23 rpm.

- Pole-reversible capacitor motor, 2100 W Overload protection. 2 spindle speeds 20 and 10 rpm,
- also under full load. Extremely quiet running. Pole-reversible 3~ induction motor, 2000 W.
- Overload protection. 2 spindle speeds 20 and 10 rpm, also under full load. Extremely quiet running.

Operator-friendly safety foot switch with emergency-stop, 2-step. Foot switch, can be loaded with the full body weight during operation.

#### Chuck

Proven quick-action hammer chuck, self-tightening. No slipping of pipes. Large space between chuck and centering device ensures secure clamping of long pipes. Rear centering device for alignment of the material.

#### Automatic lubrication and cooling

Robust, proven oil pump with high pumping volume. Optimized oil distribution directly onto the threading point through the die head ensures clean threads and long service life of dies, gear and motor.

#### Universal automatic die head

Only 1 universal automatic die head each for the sizes 1/16-2" and  $2\frac{1}{2}-3$ " for all threads, including long threads; automatic opening with automatic thread-length-stop for tapered threads. 5 dies  $2\frac{1}{2}-3$ " ensure a favourable distribution of the cutting force onto the pipe, hence round and clean threads. Fast and easy adjustment of thread size. Simple and fast change of dies through lock-in positioning in die holder.

#### Dies

The proven, indestructible REMS guality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

#### Pipe cutter

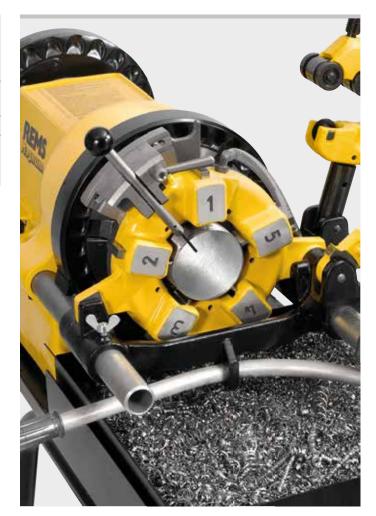
Self centering. Robust body made of forged steel. Ergonomic, wide handle for powerful infeed of spindle. Specially hardened cutter wheel in tough-hard REMS die-steel ensures long service life.

#### Inner pipe deburrer

Robust, easy-to-handle deburring device for adjustable deburring positioning. Specially hardened and designed deburring blade ensures easy deburring and extremely long service life. Two cutting edges for optimum chip flow, specially for small diameters.

#### Tool sets

For 21/2-3" and 1/4-2" one complete tool set each adapted to the work range with universal die head, pipe cutter, inner-pipe-deburring device, pressing lever, dies.





German Quality Product



Choice of 3 powerful motors.



### REMS Magnum (up to 3")

Threading machine

**Thread-cutting oil** REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

### Nipple-threading

Efficient with automatic internal clamping REMS Nippelfix  $\frac{1}{2}$ -3" (4") or with manual internal clamping REMS Nippelspanner (page 48).

### **REMS roll grooving attachment**

Robust, compact roll grooving attachment with oil hydraulic in-feed for pipe grooving of grooved coupling systems DN 25–300, 1–12" (page 50).

### Supply format

**REMS Magnum.** Threading machine for pipe threads (1/16)  $\frac{1}{2}$ -3", 16-63 mm, bolt threads (6) 20-60 mm,  $\frac{1}{2}$ -2". With maintenance-free gear, safety foot switch with emergency-stop, self-tightening quick-action hammer chuck, rear centering device, automatic lubrication and cooling. With tool sets 1/16-2" and/ or 2½-3", each consisting of universal automatic thead for all threads, also long threads; automatic opening, with automatic thread-length-stop for tapered threads, dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R right-hand, pipe cutter, inner pipe deburrer, pressing lever. Tool support. Choice of 3 motors. Version L-T with removable large oil basin and chip tray. Version T with integrated, even larger oil basin and chip tray. For workbench, stand, collapsible wheel stand or wheel stand with material shelf. In a carton.

Description	Version/Equipment	ArtNo.	
3000 L-T	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 23 rpm. Equipment R 2 <sup>1</sup> / <sub>2</sub> –3 Equipment R 1/ <sub>2</sub> –3	380303 380309	
3010 L-T	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 20/10 rpm, also under full load. Extremely quiet running. Equipment R 21/2-3 Equipment R 1/2-3	380304 380310	
3020 L-T	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 20/10 rpm, also under full load. Extremely quiet running. Equipment R 2 <sup>1</sup> / <sub>2</sub> -3 Equipment R 1/ <sub>2</sub> -3	380305 380311	
3000 T	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 23 rpm. Equipment R 2½–3 Equipment R ½–3	380306 380312	
3010 T	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 20/10 rpm, also under full load. Extremely quiet running. Equipment R 2 <sup>1</sup> / <sub>2</sub> -3 Equipment R 1/ <sub>2</sub> -3	380307 380313	
3020 T	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 20/10 rpm, also under full load. Extremely quiet running. Equipment R 2½–3 Equipment R ½–3	380308 380314	
Other voltages	s and NPT versions on request		



Other voltages and NPT versions on request.

Description	ArtNo.	
Stand	344105	
Wheel stand with material shelf	344100	
Collapsible wheel stand	344150	
Dies see page 40.		
<b>Tool set</b> $\frac{1}{16}$ <b>-2" complete</b> with universal automatic die head, dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R $\frac{1}{2}$ - $\frac{3}{4}$ " and R 1-2" right-hand,	240400	
pipe cutter, inner pipe deburrer, pressing lever.	340100	
Universal automatic die head 1/16–2" and others	341000	
Universal automatic die head 2 <sup>1</sup> / <sub>2</sub> -3"	381050	
Universal automatic die head 2 <sup>1</sup> / <sub>2</sub> -4"	381000	
REMS cutter wheel St 1/8-4", s 8	341614	
REMS cutter wheel St 1-4", s 12	381622	
Thread-cutting oil see page 49.		
Nipple holder see page 48.		
REMS Herkules material supports, see page 96.		
REMS roll grooving attachment for pipe grooving, see page 50.	347000	



### **REMS Magnum** (up to 4")

Threading machine

Robust, compact high performance machine for threading, cutting, deburring, threading of nipples, roll grooving. For installation, metalworking, industry. For job site and workshop.

Pipe threads	$\binom{1}{16}$ $\frac{1}{2}$ - 4", 16 - 63 mm
Bolt threads	(6) 20–60 mm, ½–2"
Thread types see page 40.	

Pipe grooving with REMS roll grooving attachment

DN 25-300 1-12"

### REMS Magnum - the super machine up to 4". Exceptionally round and clean threads up to 4" by using 6 threading dies.

### **Operating principle** Rotating material - stationary tools.

### Design

Robust, compact, job site-proven design. Favorable size and weight, e.g. REMS Magnum 4000 L-T only 81 kg. Large work and chip compartment. Tool support. 2 versions:

Light version L-T with removable large oil basin and chip tray.

Version T with integrated, even larger oil basin and chip tray.

For workbench. Stand, collapsible wheel stand or wheel stand with material shelf, as an accessory, for easy transport, optimum working height and stable positioning.

### Drive

Extremely powerful and fast. Completely maintenance-free gear which runs in a sealed oil bath.

- <u>Choice of 3 powerful motors:</u>
   Strong universal motor, 1700 W.
   Overload protection. Spindle speed 23 rpm. Pole-reversible capacitor motor, 2100 W Overload protection. 2 spindle speeds 20 and 10 rpm,
- also under full load. Extremely quiet running. Pole-reversible 3~ induction motor, 2000 W.
- Overload protection. 2 spindle speeds 20 and 10 rpm, also under full load. Extremely quiet running.

Operator-friendly safety foot switch with emergency-stop, 2-step. Foot switch, can be loaded with the full body weight during operation.

### Chuck

Proven quick-action hammer chuck, self-tightening. No slipping of pipes. Large space between chuck and centering device ensures secure clamping of long pipes. Rear centering device for alignment of the material.

### Automatic lubrication and cooling

Robust, proven oil pump with high pumping volume. Optimized oil distribution directly onto the threading point through the die head ensures clean threads and long service life of dies, gear and motor.

### Universal automatic die head

Only 1 universal automatic die head each for the sizes 1/16-2" and  $2\frac{1}{2}-4$ " for all threads, including long threads; automatic opening with automatic thread-length-stop for tapered threads. 6 dies  $2\frac{1}{2}-4$ " ensure a favourable distribution of the cutting force onto the pipe, hence round and clean threads. Fast and easy adjustment of thread size. Simple and fast change of dies through lock-in positioning in die holder.

### Dies

The proven, indestructible REMS guality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

### Pipe cutter

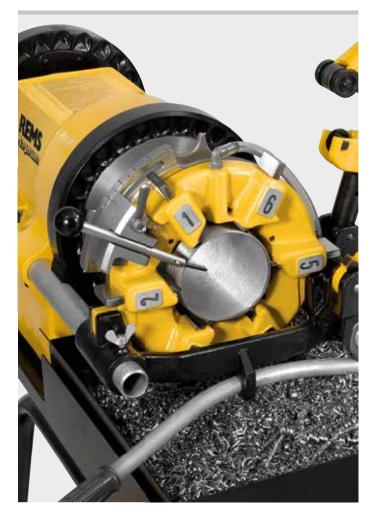
Self centering. Robust body made of forged steel. Ergonomic, wide handle for powerful infeed of spindle. Specially hardened cutter wheel in tough-hard REMS die-steel ensures long service life.

### Inner pipe deburrer

Robust, easy-to-handle deburring device for adjustable deburring positioning. Specially hardened and designed deburring blade ensures easy deburring and extremely long service life. Two cutting edges for optimum chip flow, specially for small diameters.

### Tool sets

For 21/2-4" and 1/4-2" one complete tool set each adapted to the work range with universal die head, pipe cutter, inner-pipe-deburring device, pressing lever, dies.





German Quality Product



Choice of 3 powerful motors.



### REMS Magnum (up to 4")

Threading machine

Thread-cutting oil REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

### Nipple-threading

Efficient with automatic internal clamping REMS Nippelfix  $\frac{1}{2}$ -4" or with manual internal clamping REMS Nippelspanner  $\frac{3}{2}$ -2" (page 48).

### **REMS roll grooving attachment**

Robust, compact roll grooving attachment with oil hydraulic in-feed for pipe grooving of grooved coupling systems DN 25–300, 1–12" (page 50).

### Supply format

**REMS Magnum.** Threading machine for pipe threads  $(\frac{1}{16})\frac{1}{2}-4^*$ , 16–63 mm, bolt threads (6) 20–60 mm,  $\frac{1}{2}-2^*$ . With maintenance-free gear, safety foot switch with emergency-stop, self-tightening quick-action hammer chuck, rear centering device, automatic lubrication and cooling. With tool sets  $\frac{1}{16}-2^*$  and/or 21/2-4", each consisting of universal automatic die head for all threads, also long threads; automatic opening, with automatic thread-length-stop for tapered threads, dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R right-hand, pipe cutter, inner pipe deburrer, pressing lever. Tool support. Choice of 3 motors. Version L-T with removable large oil basin and chip tray. Version T with integrated, even larger oil basin and chip tray. For workbench, stand, collapsible wheel stand or wheel stand with material shelf. In a carton.

Description	Version/Equipment	ArtNo.	
4000 L-T	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 23 rpm. Equipment R ½–2 Equipment R 2½–4 Equipment R ½–4	380447 380441 380444	
4010 L-T	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 20/10 rpm, also under full load. Extremely quiet running. Equipment R ½–2 Equipment R ½–4 Equipment R ½–4	380448 380442 380445	
4020 L-T	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 20/10 rpm, also under full load. Extremely quiet running. Equipment R 2½-4 Equipment R ½-4	380443 380446	
4000 T	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 23 rpm. Equipment R 2½–4 Equipment R ½–4	380426 380429	
4010 T	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 20/10 rpm, also under full load. Extremely quiet running. Equipment R 2 <sup>1</sup> / <sub>2</sub> -4 Equipment R 1 <sup>/</sup> <sub>2</sub> -4	380427 380430	
4020 T	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 20/10 rpm, also under full load. Extremely quiet running. Equipment R 2 <sup>1</sup> ⁄ <sub>2</sub> -4 Equipment R <sup>1</sup> ⁄ <sub>2</sub> -4	380428 380431	
Other voltage	s and NPT versions on request		



Other voltages and NPT versions on request.

Description	ArtNo.	
Stand	344105	
Wheel stand with material shelf	344100	
Collapsible wheel stand	344150	
Dies see page 40.		
<b>Tool set</b> $1/_{16}$ - <b>2" complete</b> with universal automatic die head, dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R $\frac{1}{2}$ - $\frac{3}{4}$ and R 1-2 right-hand, pipe cutter, inner pipe deburrer, pressing lever.	340100	
Universal automatic die head 1/16-2" and others	341000	
Universal automatic die head 21/2-4"	381000	
REMS cutter wheel St 1/8-4", s 8	341614	
REMS cutter wheel St 1-4", s 12	381622	
Thread-cutting oil see page 49.		
Nipple holder see page 48.		
REMS Herkules material supports, see page 96.		
<b>REMS roll grooving attachment</b> for pipe grooving, see page 50.	347000	



### **REMS** dies

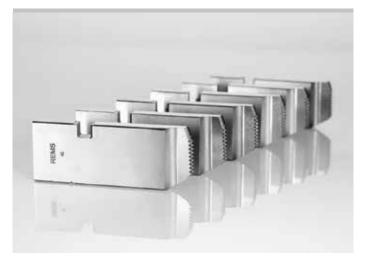
### **REMS dies (set)**

The proven REMS quality dies with precise cutting geometry ensure anexcellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

Dies for other threads (e.g. BSW) on request. Dies in HSS for machining high strength materials 50% extra charge. <sup>1)</sup>Some dies only available in HSS.



Thread type	Size	ArtNo.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	$ \begin{array}{l} R \ {}^{1}\!$	341401 341402 341403 341404
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	G $\frac{1}{16} - \frac{1}{8}$ G $\frac{1}{4} - \frac{3}{8}$ G $\frac{1}{2} - \frac{3}{4}$ G 1-2	341406 341407 341408 341409
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT <sup>1</sup> / <sub>16</sub> - ½ HSS <sup>1)</sup> NPT <sup>1</sup> ⁄ <sub>4</sub> - ¾ NPT <sup>1</sup> ⁄ <sub>2</sub> - ¾ NPT 1-2	341411 341412 341413 341414
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1.20.1	NPSM 1/8 NPSM 1/4-3/8 NPSM 1/2-3/4 NPSM 1-2 HSS <sup>1)</sup>	341416 341417 341418 341419
Conduit threads Pg DIN 40430	Pg 7 Pg 9 Pg 11 Pg 13,5 Pg 16 Pg 21 Pg 29 Pg 36 Pg 42 Pg 48	341466 341467 341468 341469 341470 341470 341471 341472 341473 341474 341475
Conduit threads M EN 60423	M 16 × 1,5 M 20 × 1,5 M 25 × 1,5 M 32 × 1,5 M 40 × 1,5 M 50 × 1,5 M 63 × 1,5	341493 341494 341495 341496 341497 341497 341498 341498 341499
Metric bolt threads M ISO 261 (DIN 13)	M 6 M 8 M 10 M 12 M 14 M 16 M 18 M 20 M 22 M 24 M 27 M 30 M 32 M 36 M 39 M 36 M 39 M 42 M 45 M 45 M 52 M 56 HSS <sup>1)</sup> M 60 HSS <sup>1)</sup>	341426 341427 341428 341429 341430 341430 341431 341432 341433 341435 341435 341435 341435 341436 341437 341448 341449 341440 341444 341445 341444
Bolt threads UNC Unified Inch Screw Thread ASME B1.1	$\begin{array}{c} UNC \frac{1}{2}-20\\ UNC \frac{5}{16}-18\\ UNC \frac{5}{16}-18\\ UNC \frac{5}{16}-14\\ UNC \frac{7}{16}-14\\ UNC \frac{1}{2}-13 \ HSS ^{1)}\\ UNC \frac{5}{16}-12\\ UNC \frac{5}{6}-11 \ HSS ^{1)}\\ UNC \frac{5}{6}-9 \ HSS ^{1)}\\ UNC \frac{5}{6}-9 \ HSS ^{1)}\\ UNC \frac{1}{2}-9 \ HSS ^{1)}\\ UNC \frac{1}{2}-7\\ UNC \frac{1}{2}-6\\ UNC \frac{1}{2}-6\\ HSS ^{1)}\\ UNC \frac{1}{2}-5\\ UNC \frac{2}{2}-4,5\\ \end{array}$	341476 341477 341478 341479 341480 341481 341482 341483 341483 341484 341485 341486 341486 341487 341488 341489 341490 341491



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### For universal automatic die head 21/2-3"

Thread type	Size	ArtNo.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 2½–3	381430
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	G 21/2-3 HSS <sup>1)</sup>	381431
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT 21/2-3 HSS <sup>1)</sup>	381432
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1.20.1	NPSM 21/2-3 HSS1)	381433





### For universal automatic die head 21/2-4"

Thread type	Size	ArtNo.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 2½–4	381401
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	G 21/2-4 HSS <sup>1)</sup>	381405
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT 21/2-4 HSS <sup>1)</sup>	381410
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1.20.1	NPSM 21/2-4 HSS <sup>1)</sup>	381415

### **REMS 4" automatic die head**

Robust, compact threading attachment for efficient threading of tapered pipe threads, nipple-threading

Pipe threads

21/2-4"

### REMS 4" automatic die head – excellent threads up to 4" thanks to 5 threading dies and stepless automatically opening die head. No time consuming reverse.

### **Operating principle**

Stationary material - rotating die head.

### Design

Compact unit of die head, clamping chuck and gear. Maintenance-free. Easy to transport.

### Technique and operation

- Secure grip, self-tightening chuck, no slipping of pipe.
- Easy start-cutting with pressing lever and rack.
- 5 dies per size ensure favourable distribution of cutting force onto the pipe for round and clean threads. During threading the die head opens tapered in a gradual manner (copying unit), which enables a high cutting speed with low power requirements. Provides perfect threads as well as low impact on dies and machines.
- Automatic die head opening after reaching the standard thread length.
- After threading, immediate re-use possible, no guide thread required, no time-consuming reverse. Connection for automatic lubrication and cooling.

Dies

The proven, indestructible REMS quality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

### Drive

Through REMS Magnum, REMS Tornado, REMS Amigo 2 and threading machines of other makes. Fast, simple assembly. Rugged drive shaft for secure clamping and optimum power transmission

### **Thread-cutting oil**

REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

### Nipple-threading

Efficient nipple threading  $2^{1/2}-4^*$  with the automatic internal clamping REMS Nippelfix (page 48).

### Supply format

REMS 4"automatic die head. Threading device for pipe threads 21/2-4" Die head with copying unit, automatic opening after reaching the standard thread length, no time-consuming reverse. Self-tightening clamping device. Reduction gear with drive shaft, maintenance-free. Connection for automatic cooling and lubrication. Chip tray. Dies optional for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R 2½, 3, 4, right-hand or for pipe threads, tapered, NPT 2½, 3, 4, right-hand. In a carton.

Description	Equipment	ArtNo.
<b>REMS 4"automatic die head</b> fits to REMS Magnum, REMS Tornado, and others	R 2½, 3, 4	370010
<b>REMS 4"automatic die head</b> fits to REMS Magnum, REMS Tornado, and others	NPT 2½, 3, 4	370011
REMS 4"automatic die head fits to REMS Amigo 2	R 2½, 3, 4	370012
REMS 4"automatic die head fits to REMS Amigo 2	NPT 2½, 3, 4	370013

#### Accessories

Description	Size	ArtNo.		
Dies (set)				
Pipe threads R tapered right-hand	R 21/2	371109		
ISO 7-1, EN 10226	R 3	371113		
(DIN 2999, BSPT)	R 4	371117		
Pipe threads NPT tapered right-hand	NPT 2 <sup>1</sup> / <sub>2</sub> HSS <sup>1)</sup>	371134		
Taper Pipe Thread ASME B1. 20.1	NPT 3 HSS <sup>1)</sup>	371138		
	NPT 4 HSS <sup>1)</sup>	371142		
Dias in USS for machining high strength materials				

es in HSS for machining high strength materials 50% extra charge. <sup>1)</sup> Some dies only available in HSS REMS Herkules, material supports, see page 96. Thread-cutting oil see page 49. Nippelfix 21/2-4" see page 48.







German Quality Product







### **REMS Unimat 75**

Threading machine

Semi-automatic high-performance machine for efficient cutting of bolt and pipe threads. For industry, metalworking, installation.

Bolt threads		6–72 mm
		<sup>1</sup> / <sub>4</sub> -2 <sup>3</sup> / <sub>4</sub> "
Pipe threads	<sup>1</sup> / <sub>16</sub> -2	2½", 16–63 mm
Tolerance class corresponding to ISO	261 (DIN 13)	"medium" (6 g)
Thread length	≤ Ø 30 mm	unlimited
	≤ Ø 72 mm	≤ 200 mm
Chamfering	Range	7–62 mm
	Chamfered Ø	≥ 7 mm
	Maximum chamfer	7 mm
	Chamfer angle	45°
Peeling	Range	7–62 mm
-	Peeled Ø	≥ 7 mm
Thus add to us a size us as	- 44	

Thread types see page 44.

### REMS Unimat 75 - high efficiency.

Tangential-chaser-threading-system. Large threading range. Fast working, short resetting time. For single and series production. Low hourly rate for the machine. Simple operation. Relieves expensive turning machines and specialists.

### Operating principle

Stationary material - rotating die head.

### Design

Compact, rugged design for continous use. Die head with regrindable tangential chasers in self centering holder system. After start-cutting with feed lever and rack mechanism self feeding action of die head (no guide thread). Welded, sturdy machine stand with large oil compartment and removeable chip drawer.

### Drive

Indestructible planetary gear with annulus gear for long threads up to Ø 30 mm. Proven and powerful pole-reversible three-phase motor, specially designed for threading, with hollow shaft, 2000/2300 W. Overload protection. Reverse switch for cutting right and left-hand threads. High operating speed, 2 spindle speeds 70 and 35 rpm.

### **Clamping device**

Self-centering universal vice for the complete range with specially toothed and hardened clamping jaws. Choice of manual or hydraulic clamping with operation by foot switch (working pressure 6 bar).

### Special clamping jaws

For drawn material, stud bolts, hex screws and pipe nipples, as accessory.

### Automatic lubrication and cooling

Robust, proven oil pump with high pumping volume. Ample oil volume ensures longer service life of chasers, gear and motor.

### Universal automatic die head

Only **one** universal automatic die head for all threads. Fine adjustment of thread diameter with spindle and scale. Die head closes automatically and opens automatically when the required thread length is reached. After starting the thread via feed lever and rack the chaser-system initiates an automatic feed-forward of the die head. All threads can be cut in a single pass. Copying unit for tapered threads. Instead of changing the dies, additional quick-change die heads ensure shorter resetting time.

### Chasers

The proven regrindable REMS tangential chasers with precise cutting geometry ensure an excellent start-cutting performance and clean threads. Tool steel chasers made of special hardened steel for material up to 500 N/mm<sup>2</sup>. HSS chasers for hard-to-machine material above 500 N/mm<sup>2</sup>. The chasers sit in a special holder system. Chasers and holders together form a threading set.

### Thread cutting on rebar

Special chaser dies M with additional, ground cut for cutting threads on rebar in a single pass. Driven by REMS Unimat 75 with oil-hydraulic/pneumatic vice, for high clamping pressure.



German Quality Product

Machining examples





### **REMS Unimat 75**

**Thread-cutting oil** REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

### Nipple-threading

Efficient with special clamping jaws  $1_{16}-12^{\circ}$  or with the automatic internal clamping REMS Nippelfix  $1_{2}-22^{\circ}$  or with the manual internal clamping REMS Nippelspanner  $3_{6}-2^{\circ}$  (page 48).

### Supply format

**REMS Unimat 75 Basic.** Semi-automatic threading machine for bolt threads  $6-72 \text{ mm}, \frac{1}{4}-2\frac{3}{4}$ , pipe threads  $\frac{1}{16}-2\frac{1}{2}$ , 16-63 mm. Machine on stand. Pole-reversible 3~ induction motor with hollow shaft, 400 V, 50 Hz, 2000/2300 W, right and left-hand rotation. Die head speed 70 and 35 rpm. Self-centering universal chuck for the complete clamping range, choice of manual or oil-hydraulic/ pneumatic operation. Automatic lubrication and cooling. 1 universal automatic die head for all threads, opens and closes automatically. Without threading sets, without closing lever. Electric locking system of safety cover. Adjustment gauge. Wrench. In transport case Wrench. In transport case.

Description	Version	ArtNo.	
REMS Unimat 75 Basic mS	manual clamping device	750003	
REMS Unimat 75 Basic pS	oil-hydraulic/pneumatic vice clamping device	750004	

Other voltages on request.

Description	ArtNo.	
Chasers and holders (threading sets) and chasers	see page 44.	
Universal automatic die head, without threading sets, without closing lever	751000	
Closing lever for closing and opening the chasers R for taper pipe threads, right-hand R-L for taper pipe threads, left-hand G for cylindrical pipe threads, right-hand G-L for cylindrical pipe threads, left-hand M for all bolt threads, right-hand M-L for all bolt threads, left-hand	751040 751050 751060 751070 751070 751080 751090	
Chamfering/peeling die head 45°, Ø 7 – 62 mm, with chamfering/peeling chasers 45°, Ø 7 – 62 mm, HSS, with holder	751100	
Chamfering/peeling die head 45°, Ø 7–62 mm, without threading sets	751102	
Chamfering/peeling chasers 45°, Ø 7–46 mm, HSS, with holder	751096	
Chamfering/peeling chasers 45°, Ø 40–62 mm, HSS, with holder	751098	
Chamfering/peeling chasers 45°, Ø 7–62 mm, pack of 4, with holder	751097	
Special clamping jaws, pair, for drawn material, stud bolts and hex screws. Workpiece length protrude from vice without thread, minimum 15 mm, Ø 6–42 mm	753240	
Thread-cutting oil see page 49.		
Nipple holder see page 48.		
REMS Herkules material supports, see page 96.		





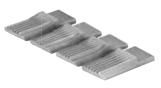


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### Chasers and holders (threading set)

The proven regrindable REMS tangential chasers with precise cutting geometry ensure an excellent start-cutting performance and clean threads. Tool steel chasers made of special hardened steel for material up to 500 N/mm<sup>2</sup>. HSS chasers for hard-to-machine material above 500 N/mm<sup>2</sup>. The chasers sit in a special holder system. Chasers and holders together form a threading set.

in a special noider system. Chaser	rs and noiders together	form a threading set.
Thread type	Size	ArtNo.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R <sup>1</sup> / <sub>16</sub> - <sup>1</sup> / <sub>8</sub> R <sup>1</sup> / <sub>4</sub> - <sup>3</sup> / <sub>8</sub> R <sup>1</sup> / <sub>2</sub> - <sup>3</sup> / <sub>4</sub> R 1-2 R 2 <sup>1</sup> / <sub>2</sub>	759250 759251 759252 759253 759254
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	$\begin{array}{l} G \ {}^{1}\!$	759255 759256 759257 759258 759259
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1. 20.1	NPT <sup>1</sup> / <sub>16</sub> - <sup>1</sup> / <sub>8</sub> NPT <sup>1</sup> / <sub>4</sub> - <sup>3</sup> / <sub>8</sub> NPT <sup>1</sup> / <sub>2</sub> - <sup>3</sup> / <sub>4</sub> HSS <sup>1</sup> ) NPT 1-2 HSS <sup>1</sup> ) NPT 2 <sup>1</sup> / <sub>2</sub> HSS <sup>1</sup> )	759360 759361 759362 759363 759364
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1. 20.1	NPSM 1/16-1/8 NPSM 1/4-1/8 NPSM 1/2-3/4 HSS <sup>11</sup> NPSM 1-2 HSS <sup>11</sup> NPSM 21/2	759365 759366 759367 759368 759369
Conduit threads Pg DIN 40430	Pg 7 Pg 9–16 Pg 21–48	759260 759261 759262
Conduit threads M EN 60423	M 16-20×1,5 M 25-32×1,5 M 40-50×1,5 M 63×1,5	759263 759264 759265 759330
Threads M for rebar ISO 261 (DIN 13)	M 14–16 HSS M 18–22 HSS M 24–27 HSS M 30–33 HSS M 36–39 HSS M 42–45 HSS	759274 759275 759276 759277 759277 759278 759279
Metric bolt threads M ISO 261 (DIN 13)	$\begin{array}{l} M \ 6 \\ M \ 8 \\ M \ 10 \\ M \ 12 \\ M \ 14-16 \\ M \ 18-22 \\ M \ 24-27 \\ M \ 30-33 \\ M \ 36-39 \\ M \ 42-45 \\ M \ 48-52 \\ M \ 56-60 \ HSS^{1)} \\ M \ 64-72 \end{array}$	759270 759271 759272 759273 759274 759275 759276 759278 759278 759279 759280 759281 759282
Bolt threads UNC Unified Inch Screw Thread ASME B1.1	$\begin{array}{c} UNC \frac{1}{4}-20\\ UNC \frac{5}{16}-18\\ UNC \frac{5}{16}-18\\ UNC \frac{7}{16}-14\\ UNC \frac{1}{2}-13\\ UNC \frac{9}{16}-12\\ UNC \frac{5}{6}-11\\ UNC \frac{5}{6}-11\\ UNC \frac{3}{4}-10\\ UNC \frac{1}{6}-9\\ UNC \frac{1}{8}-18HSS^{1)}\\ UNC \frac{1}{8}-114-7\\ UNC \frac{1}{8}-14-7\\ UNC \frac{1}{8}-14-$	759370 759371 759372 759373 759374 759375 759376 759376 759377 759378 759378 759379 759380 759381 759381 759382 759383 759384



German Quality Product

### Chasers (set)

The proven regrindable REMS tangential chasers with precise cutting geometry ensure an excellent start-cutting performance and clean threads. Tool steel chasers made of special hardened steel for material up to 500 N/mm<sup>2</sup>. HSS chasers for hard-to-machine material above 500 N/mm<sup>2</sup>.

Thread type	Size	ArtNo.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	$ \begin{array}{c} R \ {}^{1}\!$	751501 751502 751503 751504
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	G $\frac{1}{16} - \frac{1}{8}$ G $\frac{1}{4} - \frac{3}{8}$ G $\frac{1}{2} - \frac{3}{4}$ HSS <sup>1)</sup> G $1 - \frac{21}{2}$ HSS <sup>1)</sup>	751505 751506 751507 751508
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1. 20.1	$\begin{array}{l} NPT \ ^{1}\!$	751544 751545 751546 751547 751548
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1. 20.1	NPSM <sup>1/16</sup> - <sup>1</sup> / <sub>8</sub> NPSM <sup>1</sup> / <sub>4</sub> - <sup>3</sup> / <sub>8</sub> NPSM <sup>1</sup> / <sub>2</sub> - <sup>3</sup> / <sub>4</sub> HSS <sup>1)</sup> NPSM 1-2 NPSM 2 <sup>1</sup> / <sub>2</sub>	751549 751550 751551 751552 751553
Conduit threads Pg DIN 40430	Pg 7 Pg 9–16 Pg 21–48	751509 751510 751511
Conduit threads M EN 60423	M 16-63×1,5 (M 10)	751518
Threads M for rebar ISO 261 (DIN 13)	M 14-16 HSS M 18-22 HSS M 24-27 HSS M 30-33 HSS M 36-39 HSS M 42-45 HSS	751520 751521 751522 751523 751523 751524 751525
Metric bolt threads M ISO 261 (DIN 13)	$\begin{array}{c} M \ 6 \\ M \ 8 \\ M \ 10 \ (M \ 16-63\times1,5) \\ M \ 12 \\ M \ 14-16 \\ M \ 18-22 \\ M \ 24-27 \\ M \ 30-33 \\ M \ 36-39 \\ M \ 42-45 \\ M \ 48-52 \\ M \ 56-60 \\ M \ 64-72 \end{array}$	751516 751517 751518 751519 751520 751521 751522 751523 751524 751525 751526 751526 751527 751528
Bolt threads UNC Unified Inch Screw Thread ASME B1.1	$\begin{array}{c} UNC \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	751557 751558 751559 751560 751561 751562 751563 751564 751565 751566 751566 751566 751568 751569 751569 751570 751571

Chaser dies for other threads (e.g. bicycle screw thread, fine thread, BSW) and chaser dies made of high-speed steel (HSS) for processing high-strength materials on request. 50% surcharge for HSS. <sup>1)</sup> Some chasers only available in HSS. Chasers for left-hand threads 50% extra charge.

Die sets for other threads (e.g. bicycle screw thread, fine thread, BSW) and die sets with chaser dies made of high-speed steel (HSS) for processing high-strength materials on request. 50% surcharge on chaser dies for HSS. <sup>1)</sup> Some chasers only available in HSS. Threading sets for left-hand threads 50% extra charge on chasers.

### **Thread tables**

Whitworth Pipe Thread ISO 7-1, EN 10226 (DIN 2999, BSPT) External thread taper 1:16 Flank angle 55°			NP Exterr	Standard Taper Pipe Thread NPT, ASME B 1.20.1 External thread taper 1:16 Flank angle 60°			Whitworth Pipe Thread ISO 228-1 (DIN 259, BSPP) External thread parallel Flank angle 55°		NPS Exte	<b>ipe Thread fo</b> M, ASME B 1. rnal thread par Flank angle 60	20.1 rallel
Nominal Size R BSPT	Outside Ø of thread mm	T.P.I.	Nominal Size <b>NPT</b>	Outside Ø of thread mm	T.P.I.	Nominal Size G BSPP	Outside Ø of thread mm	T.P.I.	Nominal Size <b>NPSM</b>	Outside Ø of thread mm	T.P.I.
<sup>1</sup> / <sub>16</sub>	7.723	28	1/16	7.938	27	1/ <sub>16</sub>	7.723	28	1/8	10.083	27
1⁄8	9.728	28	1⁄8	10.287	27	1⁄8	9.728	28	1/4	13.360	18
1⁄4	13.157	19	1/4	13.716	18	1/4	13.157	19	3/8	16.815	18
3⁄8	16.662	19	3⁄8	17.145	18	3⁄8	16.662	19	1/2	20.904	14
1/2	20.955	14	1/2	21.336	14	1/2	20.955	14	3/4	26.264	14
3/4	26.441	14	3/4	26.670	14	3/4	26.441	14	1	32.842	11.5
1	33.249	11	1	33.401	11.5	1	33.249	11	1¼	41.605	11.5
1¼	41.910	11	1¼	42.164	11.5	1¼	41.910	11	1½	47.676	11.5
1½	47.803	11	1½ 2	48.260 60.325	11.5 11.5	1½ 2	47.803 59.614	11 11	2	59.715	11.5
2	59.614	11	21/2	73.025	8	21/2	75.184	11	21⁄2	72.161	8
21⁄2	75.184	11	3	88.900	8	3	87.884	11	3	88.062	8
3	87.884	11	31/2	101.600	8	31/2	100.330	11	31/2	100.787	8
4	113.030	11	4	114.300	8	4	113.030	11	4	113.436	8

### **Taper Pipe Threads**

### Metric Bolt Thread

### American and British Bolt Threads

### **Threads for Electric Conduit**

IS I	Metric ISO Thread ISO 261 (DIN 13) External thread Flank angle 60°		UI	UNC, ASME B 1.1 Threa		Thread of BS 84 (ot	tandard Parall Whitworth Fo osolete): Exterr Flank angle 55	rm B.S.W. nal thread	Exte	Conduit Thread DIN 40 430 rnal thread par Flank angle 80°	allel
Nominal Size <b>M</b>	Outside Ø of thread mm	Pitch mm	Nominal Size <b>UNC</b>	Outside Ø of thread mm	T.P.I.	Nominal Size <b>BSW</b>	Outside Ø of thread mm	T.P.I.	Nominal Size <b>Pg</b>	Outside Ø of thread mm	T.P.I.
6	5.974	1	1/4	6.322	20	1/4	6.350	20	7	12.5	20
8	7.972	1.25	<sup>5</sup> / <sub>16</sub>	7.907	18	5/16	7.937	18	9	15.2	18
10	9.968	1.5				7/16	1.931	10	11	18.6	18
12	11.966	1.75	3/8	9.491	16	3⁄8	9.525	16	13.5	20.4	18
14	13.962	2	<sup>7</sup> / <sub>16</sub>	11.076	14	7/16	11.112	14	16	22.5	18
16	15.962	2	1/2	12.661	13		40 - 200	10	21	28.3	16
18	17.958	2.5	<sup>9</sup> / <sub>16</sub>	14.246	12	1/2	12.700	12	29	37	16
20	19.958	2.5	5/8	15.834	11	5⁄8	15.875	11	36	47	16
22 24	21.958 23.952	2.5 3	3/4	19.004	10	3/4	19.050	10	42	54	16
		-	/4	19.004	10				48	59.3	16
27	26.952	3	7⁄8	22.176	9	7⁄8	22.225	9	-0	33.5	10
30	29.947	3.5	1	25.349	8	1	25.400	8		onduit Thread	4
33	32.947	3.5	1 1/8	28.519	7	1 1/8	28.575	7		EN 60423	
36	35.940	4				1 /8	20.575	1		rnal thread par Flank angle 60°	
39	38.940	4	1¼	31.694	7	1¼	31.750	7		J	
42	41.937	4.5	1 3⁄8	34.864	6	1½	38.100	6	Nominal	Outside Ø	
45	44.937	4.5	1 1/2	38.039	6				Size M	of thread mm	T.P.I
48	47.929	5 5	1¾	44.381	5	1¾	44.450	5			4 -
52	51.929	-				2	50.800	4.5	6 20	15.968 19.968	1.5 1.5
56	55.925	5.5	2	50.726	4.5			_	20	24.968	1.5
60	59.925	5.5	21⁄4	57.076	4.5	21⁄4	57.150	4	32	31.968	1.5
64	63.920	6	21/2	63.421	4	21⁄2	63.500	4	40	39.968	1.5
68	67.920	6							50	49.968	1.5
72	71.920	6	2¾	69.768	4	2¾	69.850	3.5	63	62.968	1.5

### Parallel PipeThreads

# **REMS Unimat 77**

Threading machine

1⁄4-4"

≤ 120 mm

Semi-automatic high-performance machine for efficient cutting of pipe threads. For industry, metalworking, installation.

Pipe threads

Thread length

REMS Unimat 77 – pipe threads up to 4". Tangential-chaser-threading-system. Fast working, short resetting time. For single and series production.

### Operating principle

Stationary material - rotating die head.

### Design

Compact, rugged design for continous use. Die head with regrindable tangential chasers in self centering holder system. After start-cutting with feed lever and rack mechanism self feeding action of die head (no guide thread). Welded, sturdy machine stand with large oil compartment and removeable chip drawer.

### Drive

Robust worm gear and 2-stage spur gear. Proven and powerful pole-reversible three-phase motor, specially designed for threading, 2000/2300 W. Overload protection. Reverse switch for cutting right and left-hand threads. 4 spindle speeds 50, 25, 16, 8 rpm.

### **Clamping device**

Self-centering universal vice for the complete range with specially toothed and hardened clamping jaws ( $\frac{1}{-34}$ , 1–4"). Choice of manual or hydraulic clamping with operation by foot switch (working pressure 6 bar).

### Automatic lubrication and cooling

Robust, proven oil pump with high pumping volume. Ample oil volume ensures longer life of chasers, gear and motor.

### Universal automatic die head

Only **one** universal automatic die head for all threads. Fine adjustment of thread diameter with spindle and scale. Die head closes automatically and opens automatically when the required thread length is reached. After starting the thread via feed lever and rack the chaser-system initiates an automatic feed-forward of the die head. All threads can be cut in a single pass. Copying unit for tapered threads. Instead of changing the dies, additional quick-change die heads ensure shorter resetting time.

### Chasers

The proven regrindable REMS tangential chasers with precise cutting geometry ensure an excellent start-cutting performance and clean threads. Tool steel chasers made of special hardened steel for material up to 500 N/mm<sup>2</sup>. HSS chasers for hard-to-machine material above 500 N/mm<sup>2</sup>. The chasers sit in a special holder system. Chasers and holders together form a threading set.

### Thread-cutting oil

REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

### Nipple-threading

Efficient with the automatic internal clamping REMS Nippelfix  $\frac{1}{2}$ -4" or with the manual internal clamping REMS Nippelspanner  $\frac{3}{2}$ -2" (page 48).



German Quality Product

Machining examples





### **REMS Unimat 77**



# 4





### Supply format

**REMS Unimat 77 Basic.** Semi-automatic threading machine for pipe threads  $\frac{1}{4}$ -4". Machine on stand. Pole-reversible  $3^{-}$  induction motor, 400 V, 50 Hz, 2000/2300 W, right and left-hand rotation. Die head speed 50, 25, 16, 8 rpm. Universal vice with clamping jaws 1 – 4", choice of manual or hydraulic/pneumatic operation. Automatic lubrication. 1 universal automatic die head for all threads, opens and closes automatically. Without threading sets, without closing lever. Electrical locking system of safety cover. Adjustment gauge. Wrench. In transport case.

Description	Version	ArtNo.
REMS Unimat 77 Basic mS	manual clamping device	770003
REMS Unimat 77 Basic pS	Oil-hydraulic/pneumatic vice clamping device	770004

Other voltages on request.

#### Accessories

#### Chasers and holders (threading set)

Thread type		Size	ArtNo.	
Pipe threads I right-hand IS0 (EN 10226, D		R <sup>1</sup> ⁄ <sub>4</sub> - <sup>3</sup> ⁄ <sub>8</sub> R <sup>1</sup> ⁄ <sub>2</sub> - <sup>3</sup> ⁄ <sub>4</sub> R 1-2 R 2 <sup>1</sup> ⁄ <sub>2</sub> -4	771110 771120 771130 771140	
Pipe threads right-hand IS0 (DIN 259, BSI	D 228-1	G $\frac{1}{4} - \frac{3}{8}$ G $\frac{1}{2} - \frac{3}{4}$ HSS <sup>1)</sup> G 1-2 HSS <sup>1)</sup> G 2 $\frac{1}{2}$ -4 HSS <sup>1)</sup>	771160 771170 771180 771190	
Pipe threads I right-hand Tap ASME B1.20.	per Pipe Thread	NPT 1/4-3/8 NPT 1/2-3/4 HSS <sup>1)</sup> NPT 1-2 HSS <sup>1)</sup> NPT 21/2-4 HSS <sup>1)</sup>	771210 771220 771230 771240	
	NPSM parallel, aight Pipe Thread 1	NPSM <sup>1</sup> / <sub>4</sub> - <sup>3</sup> / <sub>8</sub> NPSM <sup>1</sup> / <sub>2</sub> - <sup>3</sup> / <sub>4</sub> HSS <sup>1)</sup> NPSM 1-2 NPSM 2 <sup>1</sup> / <sub>2</sub> -4	771260 771270 771280 771290	

#### Chasers (set)

Thread type	Size	ArtNo.
Pipe threads R tapered, right-hand ISO 7-1 (EN 10226, DIN 2999, BSPT)	R ¼-¾ R ½-¾ R 1–4	751502 751503 771136
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	$\begin{array}{c} G \frac{1}{4} - \frac{3}{8} \\ G \frac{1}{2} - \frac{3}{4} HSS^{1)} \\ G 1 - 4 HSS^{1)} \end{array}$	751506 751507 771186
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT 1/4-3/8 NPT 1/2-3/4 HSS <sup>1)</sup> NPT 1-2 HSS <sup>1)</sup> NPT 21/2-4 HSS <sup>1)</sup>	751545 751546 751547 771246
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1.20.1	NPSM 1/4-3/8 NPSM 1/2-3/4 HSS <sup>1)</sup> NPSM 1-2 NPSM 21/2-4	751550 751551 751552 771296

Die sets and chaser dies for other threads and die sets and chaser dies made of high-speed steel (HSS) for processing high-strength materials on request. 50% surcharge on chaser dies for HSS. <sup>1)</sup> Some threading sets and chasers only available in HSS. Threading sets and chasers for left-hand threads 50% extra charge.

Description	ArtNo.				
Universal automatic die head, without threading sets, without closing lever	771000				
Closing lever for closing and opening the chasers <b>R</b> for taper pipe threads, right-hand <b>R-L</b> for taper pipe threads, left-hand <b>G</b> for cylindrical pipe threads, right-hand <b>G-L</b> for cylindrical pipe threads, left-hand	751040 751050 751060 751070				
Clamping jaws ¼-¾" (pack of 2)	773060				
Thread-cutting oil see page 49.					
Nipple holder see page 48.					
REMS Herkules material supports, see page 96.	REMS Herkules material supports, see page 96.				

### **REMS Nippelspanner**

### Accessories for threading machines and hand die stocks of all types and makes

Manual pipe nipple chuck for internal clamping of short pipe pieces. For universal use.

Nipples and double nipples	
in standard and special lengths	3∕8−2"

### REMS Nippelspanner – efficient nipple-threading. Any length. Anywhere.

To be used universally for threading machines and for hand die stocks of all types and makes. For opening and non-opening die heads. Ideal accessory for REMS REMS Amigo E, REMS Amigo, REMS Amigo 2 and REMS eva and other makes. Ideal tool for using up short pipe pieces. Saves time and money.

Chucking and centering of pipe pieces by expanding of specially hardened spring steel segments.

Internal clamping, so no thread required for clamping.

### Supply format

**REMS Nippelspanner.** Manual pipe nipple chuck for internal clamping of short pipe pieces.

•••	00		. p.ooc
De	escri	ption	

REN

cription	Size	ArtNo.
MS Nippelspanner	3/8"	110000
	1/2"	110100
	3/4"	110200
	1"	110300
	11/4"	110400
	11/2"	110500

2"

110600

### Supply format

**REMS Nippelspanner Set.** Manual pipe nipple chuck for internal clamping of short pieces of pipe. In sturdy steel case.

Description	ArtNo.
Set 1/2-3/4-1-11/4"	110620
Set 1/2-3/4-1-11/4-11/2-2"	110621

### **REMS Nippelfix**

Automatic pipe nipple chuck for internal clamping of short pipe pieces.

Nipples and double nipples in standard and special lengths

1/2-4"

### REMS Nippelfix – efficient nipple-threading up to 4". Any length. Anywhere. Automatic internal clamping. Super fast and simple.

For threading machines with opening die head: Pipe turning machines, machines with rotating die head, threading devices. Ideal tool for using up short pipe pieces. Saves time and money.

Automatic quick-chuck and centering of pipe piece. No tools.

Automatic release after completion of nipple. Production of nipples possible

without taking the Nipplefix out of the clamping device.

Specially hardened and ground clamping jaws for fast and safe clamping.

### Supply format

**REMS Nippelfix.** Automatic pipe nipple chuck for internal clamping of short pipe pieces.

Description	Size	ArtNo.
REMS Nippelfix	1/2"	111000
	3/4"	111100
	1"	111200
	11⁄4"	111300
	11/2"	111400
	2"	111500
	21/2"	111700
	3"	111800
	4"	111900

### Supply format

**REMS Nippelfix Set.** Automatic pipe nipple chuck for internal clamping of short pieces of pipe. In sturdy steel case.

Set ½-¾-1-1¼"         111620           Set ½-¾-1-1¼-1½-2"         111621	Description	ArtNo.
Set <sup>1</sup> / <sub>2</sub> - <sup>3</sup> / <sub>4</sub> -1-1 <sup>1</sup> / <sub>4</sub> -1 <sup>1</sup> / <sub>2</sub> -2" 111621	Set <sup>1</sup> / <sub>2</sub> - <sup>3</sup> / <sub>4</sub> -1-1 <sup>1</sup> / <sub>4</sub> "	111620
	Set 1/2-3/4-1-11/4-11/2-2"	111621



German Quality Product



Accessories for threading machines with opening die head



German Quality Product





### **REMS Spezial**

### Thread-cutting oil

High-alloyed mineral oil based thread-cutting oil. For all materials: steel, stainless steel, non-ferrous metal, plastic.

For drinking water supplies, comply with local regulations! In AUT, CHE, DEU, DNK not permitted for drinking water supplies.

### REMS Spezial – high-alloyed mineral based thread-cutting oil, can be washed out with water. High lubricating and cooling effect.

Specially developed for threading. High lubricating and cooling effect. Essential for clean threads, long service life of dies, tools and machines. Pleasant to work with. Can be washed out with water, approved by experts. Also well suited as a cooling lubricant for sawing metals. REMS Spezial spray without CFC's, so ozone-harmless. REMS Spezial squirt bottle without propellants. Refillable.

### Supply format

REMS Spezial. High-alloyed mineral based thread-cutting oil.

Description	Packing	ArtNo.
REMS Spezial	51 can	140100
	101 can	140101
	501 barrel	140103
	600 ml spray	140105
	500 ml squirt bottle	140106

### **REMS Sanitol**

Synthetic, mineral oil free thread-cutting oil. Specially for drinking water supplies. Also for universal use. For all materials.

### **REMS Sanitol – mineral oil free.** Completely water soluable. High lubricating and cooling effect.

Completely water soluable. Complies with the DVGW, ÖVGW, SVGW regulations.

Viscosity at -10°C: 219 mPa s (cP). Pumpable to -28°C.

Simple to work with. Red in colour for flushing control. Perfect corrosion protector. Developed especially for drinking water pipes but also excellently suitable for universal thread cutting. High lubricating and cooling effect. Essential for clean threads, long service life of dies, tools and machines.

Also well suited as a cooling lubricant for sawing metals.

REMS Sanitol spray without CFC's, so ozone-harmless.

Supply format

REMS Sanitol squirt bottle without propellants. Refillable.



German Quality Product

### Thread-cutting oil



### German Quality Product

REMS Sanitol. Synthetic, mineral oil free thread-cutting oil specially for drinking water supplies and for universal use.

Description	Packing	ArtNo.
REMS Sanitol	51 can 501 barrel 600 ml spray 500 ml squirt bottle	140110 140113 140115 140116







### **REMS roll grooving attachment**

### Roll grooving attachment

Robust, compact roll grooving attachment with oil hydraulic forward feed for grooving pipes of pipe coupling systems. For installation, sprinkler lines, commercial heating, industry and mining. For job site and workshop.

Steel pipes	DN 25-300
	1–12'
	s ≤ 7.2 mm

Stainless steel pipes, copper, aluminium, PVC pipes

### REMS roll grooving attachment – compact – universal. Oil hydraulic pressure cylinder for powerful in-feed of pressure roller.

### Design

Compact, job site-proven. Robust metal housing for tough use. Handy, easy to transport, only 26 kg. Oil hydraulic pressure cylinder for powerful in-feed of pressure roller. Pressure build-up with hydraulic hand pump. Individually adjustable groove-depth-stop with fine adjustment, for automatic limitation of groove depth. Built-in ring gauge for automatic groove-depth-stop.

### **Grooving rollers**

The proven REMS grooving rollers with perfectly size-adjusted pressure rollers and counterpressure rollers with well gripping axial knurls guarantee a secure rotation of the pipe and precise grooving. Grooving rollers machined from hardened special steel ensure extremely long service life. 3 pairs of groove rollers (pressure roller, counter-pressure roller) for the whole working range DN 25–300, 1–12", easy change. Grooving rollers Cu (pressure roller, counterpressure roller) for copper pipe 54–159 mm. Groove rollers INOX (pressure roller made of stainless steel, counter-pressure roller made of toughened, specially hardened steel, nickel-plated) for stainless steel pipes 2–6" and 8–12". Grooving rollers for aluminium, PVC pipes on request.

### Drive

Only one roll grooving device for REMS Amigo, REMS Amigo 2, REMS Amigo 2 Compact, REMS Tornado and REMS Magnum. Fast, simple assembly. 3-face drive shaft of roll grooving attachment for secure clamping and optimum power transmission. Roll grooving attachments for threading machines of other makes, adjusted to support arm distance, diameter of support arm and spindle axis of the corresponding drive machine, on request.



German Quality Product



### Supply format

REMS roll grooving attachment. Roll grooving attachment for grooving pipes of pipe coupling systems DN 25–300, 1–12". Roll grooving attachment, hydraulic hand pump, built-in ring gauge for automatic groove-depth-stop, 1 pair of groove rollers (pressure roller, counter-pressure roller) 2–6", Allen key. For REMS Amigo, REMS Amigo 2, REMS Amigo 2 Compact, REMS Tornado and REMS Magnum or for other thread cutting machine makes. In a carton.

Description	fit onto	ArtNo.	
REMS roll grooving attachment	REMS Amigo/ Amigo 2 Compact <sup>1)</sup> REMS Amigo 2 <sup>1)</sup> REMS Tornado <sup>2)</sup> REMS Magnum <sup>2)</sup>	347000	
Roll grooving attachment R 300	Ridgid 300	347001	
Roll grooving attachment R 535	Ridgid 535	347002	
Roll grooving attachment N80A	Rex/Rothenberger/ Super-Ego N80A	347003	
Delle service the strends of Delte A	D. D. H. All	047004	

 
 Roll grooving attachment Delta 4
 Rex Delta 4"
 347004

 <sup>1)</sup> Conversion kit Amigo/Amigo 2/Amigo 2 Compact (Art. No. 347007) required. Can be used for roll grooving devices manufactured from 2014 onwards.

<sup>2)</sup> Can only be used for roll grooving devices manufactured from 2014 onwards.

Roll grooving attachments for other makes on request.

Description	ArtNo.
Grooving rollers 1-11/2" (pair)	347030
Grooving rollers INOX 1-11/2" (pair)	347053
Grooving rollers 2–6" (pair)	347035
Grooving rollers INOX 2-6" (pair)	347046
Grooving rollers 8-12" (set)	347040
Grooving rollers INOX 8-12" (pair)	347047
Grooving rollers Cu 54-159 (pair) for Cu pipes	347034
Conversion kit Amigo/Amigo 2/Amigo 2 Compact	347007
REMS Herkules 3B, material support, see page 96.	





### **REMS Collum RG**

Powerful roll grooving machine for fast, economical grooving of pipes for pipe coupling systems. For installation, sprinkler lines, commercial heating, industry and mining. For job site and workshop.

	-	 
		s ≤ 7.2 mm
		1–12"
Steel pipes		DN 25-300

Stainless steel pipes, copper, aluminium, PVC pipes

### REMS Collum RG - electrical roll grooving up to 12". Fast and economical feed of the pressure roller with oil-hydraulic pressure cylinder.

### Design

Robust, compact construction suitable for building sites. Favourable dimensions, favourable weight, roll grooving device with drive machine only 31 kg. For work bench. Stand for optimum working height and sturdy stand as an accessory.

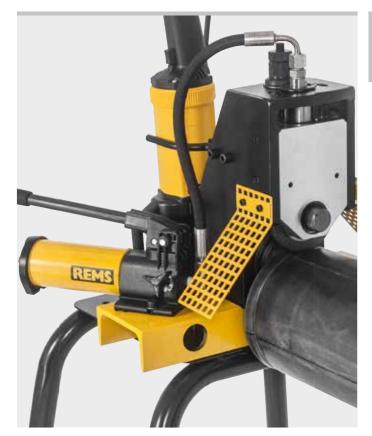
### Drive

Fast and powerful, e.g. roll grooving of 6" steel pipe with REMS Collum RG in just 52 s. Sturdy, compact gear, maintenance-free. Robust, powerful 1200 W universal motor (REMS Collum RG and REMS Collum RG 2 Compact) or 1700 W universal motor (REMS Collum RG 2) for intensive use at large dimensions. Safety switch. Safety foot switch for ergonomic working as an accessory.

### Roll grooving attachment

Compact, job site-proven. Robust metal housing for tough use. Handy, easy to transport, only 26 kg. Oil hydraulic pressure cylinder for powerful in-feed of pressure roller. Pressure build-up with hydraulic hand pump. Built-in ring gauge for automatic groove-depth-stop.

**Grooving rollers** The proven REMS grooving rollers with perfectly size-adjusted pressure rollers and counterpressure rollers with well gripping axial knurls guarantee a secure rotation of the pipe and precise grooving. Grooving rollers machined from hardened special steel ensure extremely long service life. 3 pairs of groove rollers (pressure roller, counter-pressure roller) for the whole working range DN 25-300, 1–12", easy change. Grooving rollers Cu (pressure roller, counterpressure roller) for copper pipe 54–159 mm. Groove rollers INOX (pressure roller made of stainless steel, counter-pressure roller made of toughened, specially hardened steel, nickel-plated) for stainless steel pipes 2-6" and 8-12". Grooving rollers for aluminium, PVC pipes on request.



German Quality Product





### Supply format

REMS Collum RG. Roll grooving attachment for grooving pipes of pipe coupling systems DN 25-300, 1-12". Roll grooving attachment, hydraulic hand pump, built-in ring gauge for automatic groove-depth-stop, 1 pair of groove rollers (pressure roller, counter-pressure roller) 2-6", Allen key. Choice of 3 drive units, with maintenance-free gear, powerful universal motor, safety switch. For workbench or stand. In a carton.

Description	Version	ArtNo.	
Collum RG	Universal motor 230 V, 50–60 Hz, 1200 W, overload protection. 29 min <sup>-1</sup>	347006	
Collum RG 2	Universal motor 230 V, 50–60 Hz, 1700 W. 28 min <sup>-1</sup>	347008	
Collum RG 2 Compact	Universal motor 230 V, 50–60 Hz, 1200 W, overload protection. 26 min <sup>-1</sup>	347009	
Other voltages on request.			

#### Accessories

Description	ArtNo.	
Stand	849315	
Wheel stand	849310	
Safety foot switch	347010	
REMS Herkules 3B, material support, see page 96.		
Consider wellows and other according and page 50		

Grooving rollers and other accessories, see page 50.



### **REMS Magnum RG**

Robust, compact high performance machine with roll grooving attachment for pipe grooving of pipe coupling systems. For installation, sprinkler lines, commercial heating lines, industry and mining. For job site and workshop.

Steel pipes

DN 25-300
1–12"
s ≤ 7.2 mm

Stainless steel pipes, copper, aluminium, PVC pipes

Pipe threads  $\frac{1}{16}-2^{"}$ , 16–63 mm, bolt threads 6–60 mm,  $\frac{1}{4}-2^{"}$ , with conversion kit.

### REMS Magnum RG – the compact up to 12". Immensely powerful and extremely fast. Feed of the pressure roller with oil-hydraulic pressure cylinder.

### Design

Robust, compact, job site-proven design. Favorable size and weight, e.g. REMS Magnum 2000 RG-T only 68 kg. Tool support. For workbench. Stand, collapsible wheel stand or wheel stand with material shelf, as an accessory, for easy transport, optimum working height and stable positioning.

### Drive

Immensely powerful and fast, e.g. roll grooving of 6" steel pipe with REMS Magnum 2010 RG-T in just 40 s. Completely maintenance-free gear which runs in a sealed oil bath. Choice of 3 powerful motors (see REMS Magnum page 34). Operator-friendly safety foot switch with emergency-stop, 2-step, can be loaded with the full body weight during operation.

### **Roll grooving attachment**

Compact, job site-proven. Robust metal housing for tough use. Handy, easy to transport, only 26 kg. Oil hydraulic pressure cylinder for powerful in-feed of pressure roller. Pressure build-up with hydraulic hand pump. Built-in ring gauge for automatic groove-depth-stop.

### **Grooving rollers**

The proven REMS grooving rollers with perfectly size-adjusted pressure rollers and counterpressure rollers with well gripping axial knurls guarantee a secure rotation of the pipe and precise grooving. Grooving rollers machined from hardened special steel ensure extremely long service life. 3 pairs of groove rollers (pressure roller, counter-pressure roller) for the whole working range DN 25–300, 1–12", easy change. Grooving rollers Cu (pressure roller, counterpressure roller) for copper pipe 54–159 mm. Groove rollers INOX (pressure roller made of stainless steel, counter-pressure roller made of toughened, specially hardened steel, nickel-plated) for stainless steel pipes 2–6" and 8–12". Grooving rollers for aluminium, PVC pipes on request.

### Conversion kit for threading

Tool set 1/4-2" complete with universal automatic die head, dies for pipe threads, tapered, ISO 7-1 (DIN 2999, BSPT) R 1/2-3/4 and R 1-2" right-hand, pipe cutter, inner pipe deburrer, pressing lever, pump for automatic oiling, oil basin, chip tray.



German Quality Product





Stand (Accessory)

### **REMS Magnum RG**



### Supply format

**REMS Magnum RG.** Roll grooving machine for pipe grooving of pipe coupling systems DN 25–300, 1–12". With maintenance-free gear, safety foot switch with emergency-stop, self-tightening quick-action hammer chuck, rear centering device, automatic lubrication and cooling, tool support. Choice of 3 motors. Roll grooving attachment, hydraulic hand pump, built-in ring gauge with automatic groove-depth-stop, 1 set of grooving rollers (pressure roller, counterpressure roller) 2–6", hexagon key. For workbench, stand, collapsible wheel stand or wheel stand with material shelf. In a carton.

Description	Version	ArtNo.	
2000 RG-T	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm.	340230	
2010 RG-T	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running.	340231	
2020 RG-T	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running.	340232	
Otherwelterge	an request		

Other voltages on request.

Description	ArtNo.
Stand	344105
Wheel stand with material support	344100
Collapsible wheel stand	344150
REMS Herkules 3B, material support, see page 96.	
Grooving rollers and other accessories, see page 50	
Conversion kit Magnum RG-T to L-T	
for threading.	340110



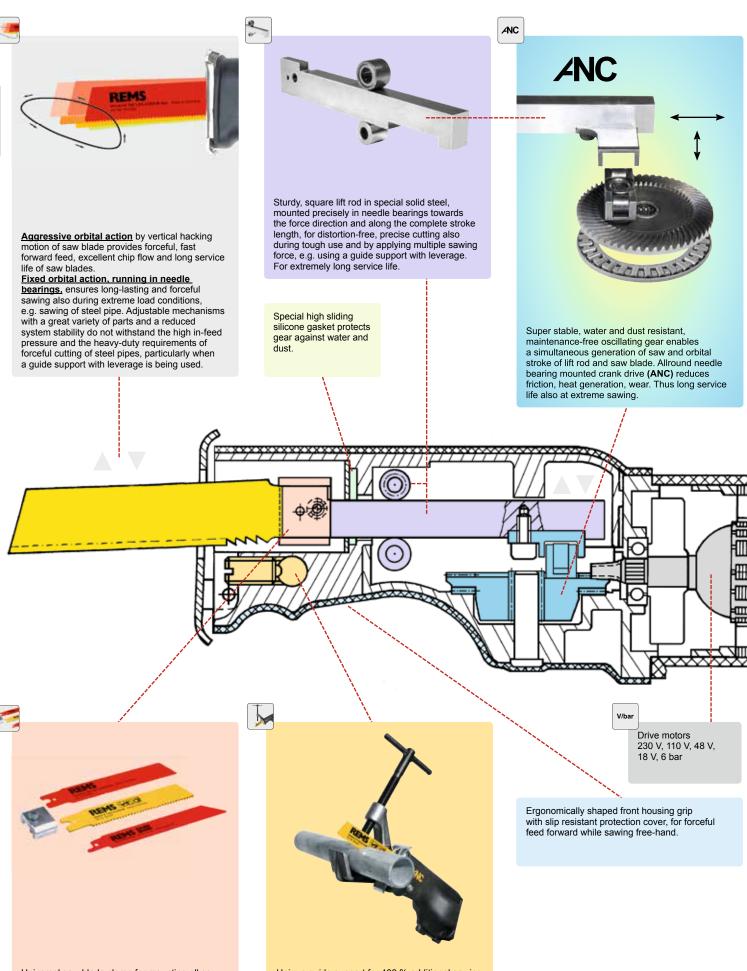




### Sawing

- FRI-U	Universal electric reciprocating saws	58
	Electric reciprocating pipe saws	60
	Pneumatic reciprocating pipe saw	62
- FRANCE	Cordless universal reciprocating saw	63
	Saw blades for reciprocating saws	64
Ś.	Circular pipe sawing machine	66
<u>k</u>	Universal circular metal sawing machine	67

### **REMS reciprocating saws** Legend



Universal saw blade clamp for mounting all saw blades – with universal or double tang – without changing or turning the saw blade thrust piece.

Unique guide support for 400 % additional sawing force for fast, effortless sawing. Also for effortless demolition work.

56

### **REMS reciprocating saws** Legend



### Vario-Electronic

Electronic stepless speed control of drive unit for sensitive start-sawing and for stroke selection during sawing according to the material. The stroke speed is controlled continuously by variable pressure on the touch switch from 0 to 2,800 rpm (REMS Puma VE), 0 to 2,400 rpm (REMS Cat ANC VE, REMS Tiger ANC VE) or 0 to 1,800 rpm (REMS Akku-Cat ANC VE) (accelerator switch).



#### Ideal speed

Deliberately fixed speed. Therefore optimum cutting speed for maximum protection of motor and gear and maximum service life of saw blades. The ideal cutting speed of 2,400 rpm has been determined by extensive sawing tests with steel pipe which lead to optimum performance in combination with the aggressive, fixed orbital action, guide support and REMS special saw blade.



#### Power-transferring guide support

For assembly and dismantling. Unique guide support with 5-fold leverage enables effortless, fast and right angle sawing anywhere at site, without vice. Ideal handling, easy and rapid to operate, positioned with one hand only for chucking and sawing. No loose swinging chain and cumbersome handling as with chain vice. No danger of jamming by limitation of swing angle. 400% additional sawing force for effortless, super fast sawing during assembly and dismantling, e.g. 2" steel pipe in only 8 s. Straight machine handle for optimum forward feed.



#### Speed-Regulation

Stepless electronic speed control of drive unit for selecting the speed according to the material. Ideal for sawing stainless steel pipe, cast pipe and for sawing boilers, tanks, bath tubs etc. The speed is continuously adjustable between 700 and 2,200 rpm on the dial. The electronic speed control which is being used keeps the selected speed constant, also under load, including speed generator, control electronics, residual current limitation for sensitive start-sawing, motor temperature control of field wires with PTC resistance (Positive Temperature Coefficient) and stall protection of gear and motor.



#### Weight

High sawing efficiency at low weight by innovative, proven technology and perfect tuning of all components. For effortless, fatique-free sawing and easy handling.



### Power

All power data stated to be understood as the rated power input. The drive motors of REMS reciprocating saws have a very high efficiency of approx. 65% thanks to an outstanding technology and quality. Therefore the user has a high power output available which is useful particularly for sawing difficult-to-cut materials, e.g. steel pipe. High power output can only be used fully by levered sawing, e.g. with the REMS guide support.



#### **Drive Motors**

Depending on model universal motors of voltages of 230 V, 110 V, 48 V, battery motors 18 V or pneumatic motors for 6 bar operating pressures are used. All drive motors are extremely powerful, fulfill highest quality demands and come with large power reserves, for long service life.



Saw blade holder with quick-change system Practical saw blade holder with quick-change system for fast saw blade changing without tools. For holding single tang saw blades.



### Continuously adjustable support shoe

Swivel support shoe for safe guiding of the saw on the material to be sawn. Support shoe continuously adjustable in longitudinal direction by 40 mm for better utilisation of partially blunted saw blades and for setting the plunge-in depth of the saw blade in the material.



Anti-vibration system Special drive technology with mass compensation and vibration damping handles. For low vibration, effortless sawing.



Saw blade can be inserted turned 180°. Saw blade can be inserted with the teeth facing down or turned 180° facing up for cuts in confined spaces with difficult access.

### **REMS Puma VE**

Powerful power tool for universal free-hand sawing. Only 3.8 kg. Ideal for assembly, disassembly, repair.

Many materials, e.g. wood, wood with nails, pallets, metal, even stainless steel, cast iron, breeze blocks, plaster boards, pumice stone, brick

### REMS Puma VE – the powerful universal saw with anti-vibration system. Quick saw blade change without tools. Adjustable support shoe.

### Universal use

Can be used anywhere, free hand, over head, in tight corners, flush with the wall. Extremely versatile and powerful. For all sawing work on the building site and for rescue and emergency operations. Also for plunge-cut sawing.

### Design

Powerful, suitable for building sites. Handy, easy grip shape. Only 3.8 kg. Ergonomically designed front housing grip with non-slip, heat insulating protective jacket with soft grip, for powerful sawing thrust. Practical D-shaped handle with vibration damping soft grip. Drive rod runs in an enclosed drive housing for safe work. Large saw blade stroke, 30 mm, for better cut clearance. Fast stroke speed up to 2,800 rpm for fast sawing thrust and effective sawing. Robust crank drive, maintenance-free. High sliding special seal. Powerful, high capacity universal motor with large power reserve, 1,300 W, safety switch. 4 m long connecting lead. Safety switch.

### Anti-vibration system

Special drive technology with mass compensation and vibration damping handles. For low vibration, effortless sawing.

### Vario-Electronic

Continuous electronic stroke speed control for gentle start of sawing and selection of a stroke speed suitable for the material. The stroke speed can be continuously controlled by variable pressure on the safety switch from 0 to 2,800 rpm (accelerator switch).

### Saw blade holder with quick-change system

Practical saw blade holder with quick-change system for fast saw blade changing without tools. For holding single tang saw blades. Saw blade can be inserted with the teeth facing down or turned 180° facing up for cuts in confined spaces with difficult access.

### **REMS** saw blades

Full range of REMS saw blades for free-hand sawing of different materials (page 65).

### Continuously adjustable support shoe

Swivel support shoe for safe guiding of the saw on the material to be sawn. Support shoe continuously adjustable in longitudinal direction by 40 mm for better utilisation of partially blunted saw blades and for setting the plunge-in depth of the saw blade in the material. For economical working.











### Supply format

**REMS Puma VE Set.** Electric universal reciprocating saw with Vario-Electronic (VE) for free-hand sawing, with anti-vibration system. Drive machine with D-shaped handle with soft grip, maintenance-free crank drive, powerful 230 V, 50–60 Hz, 1,300 W universal motor, safety switch, connecting cable 4 m. Continuous electronic stroke speed control (accelerator switch) 0 to 2,800 rpm. 30 mm stroke. Saw blade holder with quick-change system Adjustable support shoe. 1 REMS saw blade 210-1.8/2.5. In sturdy steel case.

ArtNo.	
560023	

Other voltages on request.

Description	ArtNo.	
REMS Puma VE drive unit	560003	
REMS saw blades see page 65.		
Steel case	566051	







### **REMS Cat ANC VE**

Powerful, robust, handy power tool for universal free-hand sawing. Only 3.0 kg. Ideal for assembly, dismantling, repair.

Many materials, e.g. wood, wood with nails, pallets, metal, even stainless steel, cast iron, breeze blocks, plaster boards, pumice stone, brick

Especially also for steel pipes

### REMS Cat ANC VE – saws anything, anywhere. Extremely versatile and powerful. Robust and handy.

### Universal use

Ready for use anywhere, free-hand, overhead, in confined areas, flush to wall. Extremely versatile and efficient. Especially also for sawing metal pipes, sawing up boilers, tanks, bath tubs. For rescue and emergency operations. Also for plunge-cut sawing.

### Design

Robust, job site-proven. Slender, handy design. Super light, only 3.0 kg. Ergonomically shaped front housing grip with slip resistant, heat insulating protection cover with soft grip, for forceful feed forward. Proven D-shaped handle. Swivel support shoe for safe guiding of the saw on the material to be sawn. High sliding silicone gasket protects gear against water and dust. Powerful universal motor with ample reserve capacity, 1050 W. Safety tip switch.

### Sturdy, square lift rod

In special solid steel, mounted precisely in needle bearings towards the force direction and along the complete stroke length, for distortion-free, precise cutting also during tough use. For extremely long service life. Drive rod runs in an enclosed housing for safe work.

### **Oscillating drive with ANC**

Super stable, water and dust resistant, maintenance-free oscillating drive for simultaneous generation of sawing stroke and orbital action of lift rod and saw blade. Allround needle bearing mounted crank drive (ANC) reduces friction, heat generation, wear. For long service life of drive also at extreme sawing.

### Aggressive orbital action

Agressive orbital action by vertical hacking motion of saw blade provides forceful, fast forward feed, excellent chip flow and long service life of saw blades. Fixed orbital action, running in needle bearings, ensures long-lasting and forceful sawing also during extreme load conditions, e.g. sawing of steel pipe.

### Vario-Electronic

Electronic stepless speed control of drive unit for sensitive start sawing and for speed selection during sawing. The speed is controlled by pressing the tip switch steplessly from 0 to 2,400 rpm (acceleration switch).

#### Universal saw blade clamp

All saw blades – with universal or double tang – can be clamped without changing or turning the saw blade thrust piece.

### **REMS** universal saw blade

Only 1 REMS universal saw blade (page 64) for all sawing work instead of many different saw blades. Double tang for free-hand sawing and sawing with guide holder.

### **REMS** saw blades

Full range of REMS saw blades for free-hand sawing of different materials (page 65).



# **ANC**

reduced friction and wear

- substantially reduced heat generation
   for extremely long service life,
- also during tough use







German Quality Product

### Supply format

**REMS Cat ANC VE Set.** Electric universal reciprocating saw with Vario-Electronic (VE) for free-hand sawing. Drive unit with D-shaped handle, maintenance-free, water and dust resistant oscillating drive with allround needle bearing mounted crank drive (ANC), aggressive orbital action, powerful universal motor 230 V or 110 V, 50–60 Hz, 1050 W, safety tip switch. Electronic stepless speed control (acceleration switch) 0 to 2,400 rpm. Universal saw blade clamp. Hexagon key. 1 REMS universal saw blade 150-1.8/2.5. In sturdy steel case.

	ArtNo.	
	560040	
ther voltages on request		

Other voltages on request.

Description	ArtNo.
REMS Cat ANC VE drive unit	560004
REMS saw blades see page 64-65.	
Steel case	566005







# **REMS Tiger ANC/VE/SR**

Powerful, robust, handy power tool with force-transmitting guide holder for effortless, fast, right-angled sawing everywhere on site, without a vice. Also for universal free-hand sawing. Only 3.0 kg. Ideal for assembly, dismantling, repair.

Ideal for steel pipes and others.

Many materials, e.g. wood, wood with nails, pallets, metal, even stainless steel, cast iron, breeze blocks, plaster boards, pumice stone, brick

For materials that are difficult to cut, e.g. stainless steel pipes, hard cast iron, use the REMS Tiger ANC SR with electronic stroke speed control.

### REMS Tiger – the saw for the pipe fitter. Saws effortless, fast, right angle. Robust and handy.

### Power-transferring guide support

400 % additional sawing force for effortless, super fast sawing, e.g. 2" steel pipe in only 8 s. For assembly and dismantling. Unique guide support with 5-fold leverage enables effortless, fast and right angle sawing anywhere at site, without vice. Ideal handling, easy and rapid to operate, positioned with one hand only for chucking and sawing. No loose swinging chain and cumbersome handling as with chain vice. No danger of jamming by limitation of swing angle. For optimum in-feed with guide support a straight machine handle is advantageous.

### **Right angle sawing**

Right angle cut thanks to REMS guide support and REMS special saw blade. Essential for subsequent operations in pipe installation.

### **REMS** special saw blade

REMS special saw blade (page 64), extra thick, rigid and unbendable, double tang, absolutely essential for right-angled sawing and fast disassembly of steel pipes with force-transmitting guide holder.

### **REMS** universal saw blade

Only 1 REMS universal saw blade (page 64) for all sawing work instead of many different saw blades. Double tang for free-hand sawing and sawing with guide holder.

### REMS saw blades

Full range of REMS saw blades for free-hand sawing of different materials (page 65).

### Universal saw blade clamp

All saw blades – with universal or double tang – can be clamped without changing or turning the saw blade thrust piece.

### Design

Robust, job site-proven. Slender, handy design. Super light, only 3.0 kg. Can be used anywhere. Ergonomically shaped front housing grip with slip resistant protection cover for forceful feed forward during free-hand sawing. Choice of practical D-shaped handle, advantegeous during free-hand sawing, or straight machine handle, advantegeous during sawing with guide support. Swivel support shoe for safe guiding of the saw on the material to be sawn. High sliding silicone gasket protects gear against water and dust. Powerful universal motor with ample reserve capacity, 1050 W respectively 1400 W (REMS Tiger ANC SR). Safety tip switch. Choice of drive unit with fixed, ideal speed, electronic speed control (Vario-Electronic) or electronic speed regulation. Overload protection (REMS Tiger ANC SR) used for control keeps the preselected number of strokes constant even under load and includes tachogenerator, electronic control, start-up current limiter for soft start-up, overheating protection by temperature Coefficient) and blocking protection for gearbox and motor.

### Sturdy, square lift rod

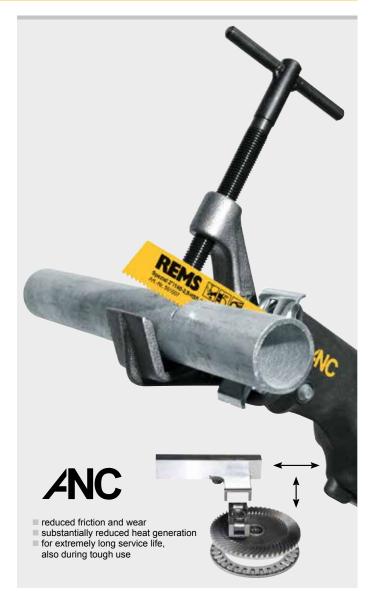
In special solid steel, mounted precisely in needle bearings towards the force direction and along the complete stroke length, for distortion-free, precise cutting also during tough use. For extremely long service life. Drive rod runs in an enclosed housing for safe work.

### **Oscillating drive with ANC**

Super stable, water and dust resistant, maintenance-free oscillating drive for simultaneous generation of sawing stroke and orbital action of lift rod and saw blade. Allround needle bearing mounted crank drive (ANC) reduces friction, heat generation, wear. For long service life of drive also at extreme sawing.

### Aggressive orbital action

Aggressive orbital action by vertical hacking motion of saw blade provides forceful, fast forward feed, excellent chip flow and long service life of saw blades. Fixed orbital action, running in needle bearings, ensures long-lasting and forceful sawing also during extreme load conditions, e.g. sawing of steel pipe. Adjustable mechanisms with a great variety of parts and a reduced system stability do not withstand the high feed forward pressure and the heavy-duty requirements of forceful cutting of steel pipes, particularly when a guide support with leverage is being used.



German Quality Product

Tested by electrosuisse ≫







# **REMS Tiger ANC/VE/SR**

### Electric reciprocating pipe saws

### Ideal speed (REMS Tiger ANC)

Deliberately fixed speed. Therefore optimum cutting speed for maximum protection of motor and gear and maximum service life of saw blades. The ideal cutting speed of 2,400 rpm has been determined by extensive sawing tests with steel pipe which lead to optimum performance in combination with the aggressive, fixed orbital action, guide support and REMS special saw blade.

### Vario-Electronic (REMS Tiger ANC VE)

Electronic stepless speed control of drive unit for sensitive start-sawing and for speed selection during sawing according to the material. Also for plunge-cut sawing. The stroke speed can be continuously controlled by variable pressure on the safety switch from 0 to 2,400 rpm (accelerator switch).

### Speed Regulation (REMS Tiger ANC SR)

Stepless electronic speed control of drive unit for selecting the stroke according to the material. Ideal for sawing stainless steel pipe, cast pipe and for sawing boilers, tanks, bath tubs etc. Also for plunge-cut sawing. The number of strokes is steplessly adjustable on the dial from 700 to 2,200 rpm.





German Quality Product



### Supply format

**REMS Tiger ANC Set.** Electric reciprocating pipe saw for effortless, fast, right angle sawing with guide support and for free-hand sawing. Drive unit with straight machine handle, maintenance-free, water and dust resistant oscillating drive with allround needle bearing mounted crank drive (ANC), aggressive orbital action, powerful universal motor 230 V or 110 V, 50–60 Hz, 1050 W, safety tip switch. Fixed stroke 2,400 rpm. Overload protection. Universal saw blade clamp. Hexagon key. Guide support 2". 2 pcs. REMS special saw blades 2"/140-3,2. In sturdy steel case.

560020	
AIL-NO.	

Other voltages, also 48 V on request.

### Supply format

**REMS Tiger ANC VE Set.** Electric reciprocating pipe saw with Vario-Electronic for effortless, fast, right angle sawing with guide support and for free-hand sawing. Drive unit with D-shape handle, maintenance-free, water and dust resistant oscillating drive with allround needle bearing mounted crank drive (ANC), aggressive orbital action, powerful universal motor 230 V or 110 V, 50–60 Hz, 1050 W, safety tip switch. Electronic stepless speed control (acceleration switch) to 2,400 rpm. Universal saw blade clamp. Hexagon key. Guide support 2". 2 pcs. REMS special saw blades 2"/140-3,2. In sturdy steel case.

ArtNo.	
560027	

Other voltages on request.

### Supply format

REMS Tiger ANC SR Set. Electric reciprocating pipe saw with speed regulation (SR) for effortless, fast, right angle sawing with guide support and for free-hand sawing. Drive unit with straight machine handle, maintenance-free, water and dust resistant oscillating drive with allround needle bearing mounted crank drive (ANC), aggressive orbital action, powerful universal motor 230 V or 110 V, 50–60 Hz, 1400 W, safety tip switch. Stepless electronic speed control 700 to 2,200 rpm with sensitive start-sawing, speed generator, temperature control and stall protection. Universal saw blade clamp. Hexagon key. Guide support 2". 2 pcs. REMS special saw blades 2"/140-3,2. In sturdy steel case.

		ArtNo.	
		560026	
ges on request.			

### Other voltage

Description	ArtNo.
REMS Tiger ANC drive unit	560000
REMS Tiger ANC VE drive unit	560008
REMS Tiger ANC SR drive unit	560001
REMS saw blades see page 64–65.	
Guide support 2", for pipes Ø 1/8-2"	563000
Guide support 4", for pipes Ø 21/2-4"	563100
Guide support 6", for pipes Ø 5-6"	563200
Dual purpose holder for sawing and threading, with REMS Tiger ANC and REMS Amigo E, Amigo, Amigo 2	543100
<b>Protective cap for guide support</b> 2", 4" and 6", for clamping of thin-walled material	563008
Steel case	566051







# **REMS Tiger ANC pneumatic** Pneumatic reciprocating pipe saw

Powerful, robust, handy compressed air tool with forcetransmitting guide holder for effortless, fast, right-angled sawing everywhere on site, without a vice. Also for universal free-hand sawing. Ideal for use in dangerous, e.g. in wet environment. For assembly, dismantling, repair.

Ideal for steel pipes and others.

Many materials, e.g. wood, wood with nails, pallets, metal, even stainless steel, cast iron, breeze blocks, plaster boards, pumice stone, brick

For materials that are difficult to cut, e.g. stainless steel pipes, hard cast iron, use the REMS Tiger ANC SR with electronic stroke speed control.

REMS Tiger pneumatic – for sawing in dangerous environment.

Saws effortless, fast, right-angle. Unique guide support for 400% additional sawing force. Sturdy, square lift rod. Oscillating drive with ANC.

Aggressive orbital action for fast feed forward sawing and long service life of saw blades. Universal saw blade clamp.

### Design

Robust, job site-proven. Slender, handy design. Super light, only 3.8 kg. Can be used anywhere. Ergonomically shaped front housing grip with slip resistant, heat insulating protection cover with soft grip, for forceful feed forward during free-hand sawing. Swivel support shoe for safe guiding of the saw on the material to be sawn. High sliding silicone gasket protects gear against water and dust. Powerful pneumatic motor with ample reserve capacity, 1000 W. Stroke speed control (accelerator switch) 0 to 1,700 rpm. Operating pressure 6 bar, air consumption ≤ 1.6 m³/min. Safety switch with lock.

Additional description see REMS Tiger ANC, page 60-61.







1000 W

German Quality Product

### Supply format

REMS Tiger ANC pneumatic Set. Pneumatic reciprocating pipe saw for effortless, fast, right angle sawing with guide support and for free-hand sawing. Drive unit with straight machine handle, maintenance-free, water and dust resistant oscillating drive with allround needle bearing mounted crank drive (ANC), aggressive orbital action, powerful pneumatic 1000 W, operating pressure 6 bar, safety switch with lock. Stroke speed control (accelerator switch) 0 to 1,700 rpm. Air inlet hose, air outlet hose. Universal saw blade clamp. Hexagon key. Guide support 2". 2 pcs. REMS special saw blades 2"/140-3,2. In sturdy steel case.

ArtNo.	
560022	

Description	ArtNo.
REMS saw blades see page 64-65.	
REMS Tiger ANC pneumatic drive unit	560002
Guide support 2", for pipes Ø 1/8-2"	563000
Guide support 4", for pipes Ø 21/2-4"	563100
Guide support 6", for pipes Ø 5-6"	563200
Dual purpose holder for sawing and threading, with REMS Tiger ANC and REMS Amigo E, Amigo, Amigo 2	543100
<b>Protective cap for guide support</b> 2", 4" and 6", for clamping of thin-walled material	563008
Steel case	566051



### **REMS Akku-Cat ANC VE**

Powerful, robust, handy power tool for universal free-hand sawing. Only 3.1 kg. Ideal for assembly, dismantling, repair.

Many materials, e.g. wood, wood with nails, pallets, metal, even stainless steel, cast iron, breeze blocks, plaster boards, pumice stone, brick

Especially also for steel pipes

### REMS Akku-Cat ANC VE Li-lon – saws anything, anywhere. Extremely versatile and powerful. Robust and handy.

### Universal use

Ready for use anywhere, free-hand, overhead, in confined areas, flush to wall. Mains independent. Extremely versatile and efficient, particularly for metal. Saws metal pipes, boilers, tanks, bath tubs, window frames, etc., for rescue and disaster service operations. Also for plunge-cut sawing.

### Design

Robust, job site-proven. Slender, handy design. Super light, drive unit with battery only 3.1 kg. Ergonomically shaped front housing grip with slip resistant, heat insulating protection cover with soft grip, for forceful feed forward. Proven D-shaped handle. Swivel support shoe for safe guiding of the saw on the material to be sawn. High sliding silicone gasket protects gear against water and dust. Powerful 18 V battery motor with ample reserve capacity, 500 W output. Safety tip switch. Electronic charging status check with low discharge protection.

### Sturdy, square lift rod

In special solid steel, mounted precisely in needle bearings towards the force direction and along the complete stroke length, for distortion-free, precise cutting also during tough use. For extremely long service life.

### **Oscillating drive with ANC**

Super stable, water and dust resistant, maintenance-free oscillating drive for simultaneous generation of sawing stroke and orbital action of lift rod and saw blade. Allround needle bearing mounted crank drive (ANC) reduces friction, heat generation, wear. For long service life of drive also at extreme sawing.

### Vario-Electronic

Electronic stepless speed control of drive unit for sensitive start sawing and for speed selection during sawing. The speed is controlled by pressing the tip switch steplessly from 0 to 1,800 rpm (acceleration switch).

### Aggressive orbital action

Aggressive orbital action by vertical hacking motion of saw blade provides forceful, fast forward feed, excellent chip flow and long service life of saw blades. Fixed orbital action, running in needle bearings, ensures long-lasting and forceful sawing also during extreme load conditions, e.g. sawing of steel pipe.

### Li-Ion PLUS technology

Highly resistant Li-Ion 18 V battery with 3.2 Ah capacity, for long service life. Powerful and light. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range – 10 to + 60 °C. No memory effect for maximum battery power. Rapid charger for short charging times.

### Universal saw blade clamp

All saw blades – with universal or double tang – can be clamped without changing or turning the saw blade thrust piece.

**REMS saw blades** See page 64–65.

### Supply format

REMS Akku-Cat ANC VE Li-Ion. Battery driven universal reciprocating saw with Vario-Electronic (VE) for free-hand sawing. Drive unit with D-shaped handle, maintenance-free, water and dust resistant oscillating drive with allround needle bearing mounted crank drive (ANC), aggressive orbital action, powerful 18 V battery motor, safety tip switch. Electronic stepless speed control (acceleration switch) 0 to 1,800 rpm. Battery Li-Ion 18 V, 3.2 Ah, rapid charger Li-Ion/Ni-Cd 230 V or 110 V, 50–60 Hz, 50 W. Universal saw blade clamp. Hexagon key. 1 pcs REMS universal saw blade 150-1,8/2,5. In sturdy case.

Art.-No. 560051

### Other voltages on request.

### Accessories

DescriptionArt.-No.REMS saw blades see page 64-65.REMS Akku-Cat ANC VE drive unit, without battery560009Battery Li-Ion 18 V, 3.2 Ah565225Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W571560Case with inlay566025



German Quality Product





### **REMS** special saw blades

Special saw blades for right angle sawing and for fast dismantling of steel pipes with power transmitting guide support.

Steel pipes

### REMS special saw blades – for right-angled sawing with force-transmitting guide holder, for 400% more sawing power.

Specially developed for REMS Tiger ANC.

Absolutely essential for right angle sawing and for fast dismantling with power transmitting guide support. This produces multiple thrust pressure by a five-fold force-transmitting leverage, for 400% more sawing power. Normal saw blades with single tang do not withstand the high feed pressure during sawing with guide support, they break at the mounting point.

For this reason, extra thick REMS special saw blade, resistant to bending and distortion.

Double tang mounting with exceptionally wide clamping face ensures accurate seating and high stability.

Coarse, corrugated tooth pattern for rapid sawing. Long service life.

### Cormon Quality Draduat

German Quality Product									
REMS special saw blades → REMS Tiger, etc.	Ø inches/ Length mm	Tooth pitch mm	Material*	Teeth	Colour	-		ArtNo.	
REMS special saw blade 2"/140-2,5 steel pipes ≤ 2"	2"/140	2,5	HSS-Bi		yellow	5		561007	
REMS special saw blade 2"/140-3,2 steel pipes ≤ 2"	2"/140	3,2	HSS-Bi		yellow	5		561001	
REMS special saw blade 4"/200-3,2 steel pipes ≤ 4"	4"/200	3,2	HSS-Bi		yellow	5		561002	
REMS special saw blade 6"/260-3,2 steel pipes ≤ 6"	6"/260	3,2	HSS-Bi		yellow	5	REEMS CONTROL OF CONTR	561008	

For hard-to-machine materials, e.g. stainless steel pipes, hard cast iron pipes, use the finer toothed REMS universal saw blade instead of the REMS special saw blade in combination with REMS Tiger ANC SR with electronic speed regulation (page 61).

### **REMS** universal saw blades

Universal saw blade for free-hand sawing and for sawing with power transmitting guide support. Instead of many different saw blades.

Many materials, e.g. wood, wood with nails, pallets, metal, even stainless steel, cast iron, breeze blocks, plaster boards, pumice stone, brick

Highly flexible, also ideal for sawing flush with the wall.

### REMS universal saw blades - for all sawing jobs.

Only 1 universal saw blade instead of many different saw blades for all sawing jobs.

Resilient material, highly flexible, also for flush-to-wall sawing.

Double tang mounting with exceptionally wide clamping face for accurate seating and high stability. Also for sawing with power transmitting guide support. Single tang saw blades are unable to cope with the high thrust pressure when sawing with a guide holder, they break at the clamping point.

Alternating tooth pitch (combi-teeth) for fast, smooth cut, very highly hardened in the teeth area. Straight-set teeth.

Thus outstanding cutting performance and prolonged service life.

German Quality Product

For REMS Cat ANC VE, REMS Tiger ANC/VE/SR, REMS Akku-Cat ANC VE and other makes

REMS Tiger ANC pneumatic and other makes



For REMS Tiger ANC/VE/SR,









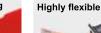




Universal

Double tang











<b>REMS universal saw blades</b> → REMS Tiger, REMS Cat, etc.	Length mm	Tooth pitch mm	Material*	Teeth	Colour	404		ArtNo.
REMS universal saw blade 100-1,8/2,5 for all sawing work	100	Combo 1,8/2,5	HSS-Bi flexible	,9292;	red	5		561006
REMS universal saw blade 150-1,8/2,5 for all sawing work	150	Combo 1,8/2,5	HSS-Bi flexible	,9995	red	5	REMS Manual Mai Manana Manana Manana Manana Manana Manana Manana Manana Manana	561005
REMS universal saw blade 200-1,8/2,5 for all sawing work	200	Combo 1,8/2,5	HSS-Bi flexible	,9>9>;	red	5		561003
REMS universal saw blade 300-1,8/2,5 for all sawing work	300	Combo 1,8/2,5	HSS-Bi flexible	, 22923	red	5	REMS.	561004

Also for nail-embedded wood, pallets. For hard-to-machine materials, e.g. stainless steel pipes, hard cast iron pipes, lower speed required, e.g. by using REMS Tiger ANC SR with electronic speed regulation (page 61).

### For REMS Puma VE, REMS Cat ANC VE, REMS Tiger ANC/VE/SR, REMS Akku-Cat ANC VE and other makes

### Saw blades for free-hand sawing for different materials.

Alternating tooth pitch (combi-teeth) for fast, smooth cut, also when sawing mixed materials (wood/metal).

Flexible saw blades, also for sawing flush with wall.

- Corrugated teeth for smooth cut with low tooth pitch.
- Straight-set teeth for aggressive cut with coarse tooth pitch.

Carbide-granulate for materials that are difficult to cut.

REMS saw blades for metal → REMS Puma, REMS Cat, REMS Tiger, etc.	Length mm	Tooth pitch	Material*	Teeth	Colour	-		ArtNo.	
, , <b>, , ,</b>		mm							
REMS saw blade 150-1			HSS-Bi				REMS 200		
sheet metal, metal, also stainless steel, ≥ 1.2 mm	150	1	flexible		red	5		561105	
REMS saw blade 200-1			HSS-Bi				REMS 20		
sheet metal, metal, also stainless steel, ≥ 1.2 mm	200	1	flexible	ی بی کر پین بی بر	red	5	NOTION OF ALL DOWN MANY	561106	
REMS saw blade 90-1,4, curved blade									
metal, also stainless steel, ≥ 1.5 mm	90	1,4	HSS-Bi		red	5	REHS MANNERS	561107	
REMS saw blade 150-1,4			HSS-Bi				REMS (20		
metal, also stainless steel, ≥ 1.5 mm	150	1,4	flexible	ی بند کر پین بند بر	red	5	A MARLAN AND AND AND AND AND AND AND AND AND A	561104	
REMS saw blade 200-1.4			HSS-Bi				REMS (ØR		
metal, also stainless steel, ≥ 1.5 mm	200	1,4	flexible	و مرکد کر مرکد	red	5		561108	
REMS saw blade 100-1.8			HSS-Bi				REMS 20		
metal, also stainless steel, ≥ 2 mm	100	1,8	flexible		red	5		561101	
REMS saw blade 150-1.8			HSS-Bi				REMS 20		
metal, also stainless steel, ≥ 2 mm	150	1,8	flexible		red	5		561103	
REMS saw blade 200-1.8			HSS-Bi						
metal, also stainless steel, ≥ 2 mm	200	1,8	flexible	و مرکز کر کر کر	red	5		561102	
REMS saw blade 200-2,5			HSS-Bi				REMS 20		
metal, also stainless steel, ≥ 3 mm	200	2,5	flexible	12222	red	5	PLEATED Solids Analysis	561109	
REMS saw blade 280-2.5			HSS-Bi						
metal, also stainless steel, ≥ 3 mm	280	2,5	flexible		red	5	EFFERTED Solids	561112	

German Quality Product								<u>0  </u> 2	
REMS saw blades for wood and metal → REMS Puma, REMS Cat, REMS Tiger, etc.	Length mm	Tooth pitch mm	Material*	Teeth	Colour			ArtNo.	
<b>REMS saw blade 210-1,8/2,5</b> round tip, no sticking pallets, wood, wood with nails, metal ≥ 2.5 mm	210	Combo 1,8/2,5	HSS-Bi flexible	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	black	5	REMS BOX 2000	561113	
<b>REMS saw blade 150-2,5</b> wood, wood with nails, pallets, metal ≥ 3 mm	150	2,5	HSS-Bi flexible	·>>>>;	black	5		561110	
<b>REMS saw blade 225-2,5</b> , extra thick, for disassembly wood, wood with nails, metal ≥ 3 mm	225	2,5	HSS-Bi		black	3	REMS 202	561114	
<b>REMS saw blade 300-2,5</b> , extra thick, for disassembly wood, wood with nails, metal ≥ 3 mm	300	2,5	HSS-Bi		black	3	REMS @202	561116	
REMS saw blade 300-4,2 wood	300	4,2	WS	·2727;	black	5	REMS 💹 - L	561111	
REMS saw blade 225-3,2/5,0 wood, wood with nails	225	Combo 3,2/5,0	HSS-Bi flexible	,9292j	black	5	REMS 🛛 🔯 📖 🗸 • L	561117	
REMS saw blade 290-5,0/6,35 green wood	290	Combo 5,0/6,35	WS	·2>2>;	black	5		561118	
REMS saw blade 150-6,35 wood	150	6,35	ws	·>>>>;	black	5	REMS 2	561119	

							() () ()		
<ul> <li>REMS saw blades for different purposes</li> <li>→ REMS Puma, REMS Cat, REMS Tiger, etc.</li> </ul>	Length mm	Tooth pitch mm	Material*	Teeth	Colour			ArtNo.	
REMS saw blade 150-4,2 breeze blocks, plasterboard	150	4,2	WS	,2227	white	5	REMS	561115	
REMS saw blade 225-8,5 breeze blocks, hard wood	225	8,5	НМ	·2>2>;	white	1	REMS D	561120	
REMS saw blade 300-8,5 breeze blocks, hard wood	300	8,5	НМ	'2222;	white	1	REMS RE	561121	
REMS saw blade 400-8,5 breeze blocks, hard wood	400	8,5	НМ	'2225;	white	1	Construction and Construction	561122	
REMS saw blade 235-12 breeze blocks, pumice, brick	235	12	НМ	-=-=	white	1	REMS	561123	
REMS saw blade 300-12 breeze blocks, pumice, brick	300	12	НМ	-=-=-	white	1	REMS C	561124	
REMS saw blade 300-12, extra high blade breeze blocks, pumice, brick	300	12	НМ		white	1	REMS	561125	
REMS saw blade 200 cast iron etc.	200		HM-G	10103101010101010101010	white	2		561126	



### **REMS Turbo Cu-INOX**

Compact, portable circular pipe sawing machine for burr-reduced, right angle and rapid sawing. Ideal for stainless steel and copper tubes of pressfitting systems. For job site and workshop.

Stainless steel tubes,	
copper tubes and other materials	Ø ≤ 76 mm
REMS saw blade	Ø 225 mm

REMS Turbo Cu-INOX – burr-reduced, right angle, rapid. Burr-reduced sawing through double clamping vice. Powerful, e.g. Ø 22 mm in only 4 s. Easy to transport.

### Ideal for pressfitting systems

In accordance with requirements: <u>Dry sawing</u>, so no damage to O-rings from lubricants. <u>Burr-reduced</u> through double clamping vice. <u>Optimum cutting</u> speed prevents degradation of pipe material through overheating.

### Design

Compact, robust, job site-proven. Small in size, handy, portable, only 17 kg. Easy sawing through favourable leverage effect. Fast saw blade change. Precise sawing. Mark on the saw blade protection cover showing the saw blade cutting line. Connection for driving outer/inner pipe deburrer REMS REG 10–54 E. For workbench and stand.

### Universal double clamping vice

Robust, easy-running universal double clamping vice for burr-reduced sawing. Both pipe ends remain securely clamped during sawing. Easy, secure clamping also of thin-walled pipes through inclined jaw. Only one strong clamping spindle for both clamping sides ensures even, effortless and secure clamping of the material.

### Drive

Robust gear, precisely mounted in roller and needle bearings, maintenance-free. Proven universal motor, 500 W. Powerful, e.g. stainless steel pipe Ø 22 mm in only 4 s. Ideal speed 60 rpm for optimum cutting speed and smooth sawing.

### **REMS** saw blades

Top German quality. REMS circular saw blade HSS 225 × 2 × 32, 220 teeth, for metal, adjusted to the efficiency of REMS Turbo Cu-INOX for sawing stainless steel tubes. Specially fine-toothed, hardened and ground. For easy and exact sawing. Prolonged durability. REMS circular saw blade HSS-E (cobalt alloyed)  $225 \times 2 \times 32$ , 220 teeth, for metal, for even better durability. Specially fine-toothed, hardened and ground.

### Outer/inner pipe deburrer

Outer/inner pipe deburrer REMS REG 10–54 E for pipes Ø 10–54 mm, Ø  $\frac{1}{2}-2\frac{1}{6}$ ", for electric drive with the REMS Turbo Cu-INOX pipe circular sawing machine and others, see page 89.









German Quality Product





### Supply format

REMS Turbo Cu-INOX Basic. Circular pipe saw with universal double clamping vice for burr-reduced, right angle, rapid sawing. Ideal for stainless steel and copper tubes of pressfitting systems. For REMS saw blade Ø 225 mm. With maintenance-free gear, proven universal motor 230 V or 110 V, 50–60 Hz, 500 W. Safety tip switch, saw blade protection cover. Speed 60 rpm. Ring spanner. Hexagon key. Without saw blade. For workbench and stand. In a carton.

849006

Other voltages on request.

Description	ArtNo.
REMS circular saw blade HSS for metal, specially for stainless steel pipes, fine-toothing, 225 × 2 × 32, 220 teeth.	849703
<b>REMS circular saw blade HSS-E</b> (cobalt alloyed) circular saw blade HSS-E (cobalt alloyed) toothing, 225 × 2 × 32, 220 teeth. Very long service life.	849706
REMS REG 10-54 E outer/inner pipe deburrer, see pa	age 89
Stand	849315
Wheel stand	849310
REMS Jumbo, folding workbenches, see page 95.	
REMS Herkules, material supports, see page 96.	



### **REMS Turbo K**

Universal circular metal sawing machine with automatic cooling lubricant unit

Compact, mobile, universal circular metal sawing machine for installation, metal working and industry. For job site and workshop.

Ą	0						
90° 🕁	78	55	70×50	50×50	40	40	50×30
45° ⊄	60	55	60×40	50×50	40	40	50×30
REMS saw blade Ø 225 mm							

### REMS Turbo K - the most powerful in its class. Progressive drive, e.g. 2" steel pipe in only 5 s. Easy to transport.

### Design

Compact, robust, job site-proven. Small in size, handy, portable, complete only 22 kg. Automatic cooling lubricant unit. Easy sawing through favourable leverage effect. Fast saw blade change. Precise sawing. For workbench and stand.

### Universal vice

Robust, easy-running universal vice with strong clamping spindle and large clamping lever for effortless, secure clamping of the material. Standard with clamp insert for thin-walled pipes. Quick setting of bevel angle thanks to clearly laid out scale and clamping lever. Simple, sturdy length stop.

### Drive

Robust, maintenance-free gear, precisely mounted in roller and needle bearings. Proven universal motor, 1200 W. Extremely strong and powerful, e.g. 2" steel pipe in only 5 s. Ideal speed 115 rpm for fast and smooth sawing.

### **REMS** saw blades

Top German quality. REMS universal circular saw blade HSS 225 ×2 ×32 for metal, 120 teeth, adjusted to the efficiency of REMS Turbo K. Specially toothed, hardened and ground. For easy and exact sawing. REMS universal circular saw blade HSS 225 ×2 ×32, 220 teeth, adjusted for sawing stainless steel. Specially fine-toothed, hardened and ground. For an even better durability, REMS universal circular saw blade HSS-E (cobalt alloyed) 225 ×2 ×32, 220 teeth. Specially fine-toothed, hardened and ground.

### Kühlschmierstoffe

REMS Sanitol and REMS Spezial (page 49). High lubricating and cooling effect. Essential for clean cuts, long service life of saw blades and machine.







German Quality Product

### Supply format

REMS Turbo K Basic. Universal circular metal sawing machine with automatic cooling lubricant unit. For straight cuts and bevel cuts up to 45°. For REMS saw blade Ø 225 mm. Maintenance-free gear. Proven, powerful universal motor 230 V or 110 V, 50–60 Hz, 1200 W. Safety tip switch, saw blade protection cover, length stop. Clamp insert for thin-walled pipes. Speed 115 rpm. Ring spanner. Hexagon key. 1 filling of cooling lubricant REMS Spezial. Without saw blade. For workbench and stand. In a carton.

	ArtNo.	
	849007	

Other voltages on request.

Description	ArtNo.	
REMS universal circular saw blade HSS		
for metal, 225×2×32, 120 teeth	849700	
<b>REMS circular saw blade HSS for metal,</b> fine-toothing, 225 × 2 × 32, 220 teeth	849703	
<b>REMS circular saw blade HSS-E</b> (cobalt alloyed) for metal, fine-toothing, 225×2×32, 220 teeth. Very long service life.	849706	
Electronic speed regulator for hard-to-machine materials, e.g. stainless steel pipes, hard cast iron pipes. Fixed, optimum speed.	565051	
Cooling lubricants see page 49.		
Stand	849315	
Wheel stand	849310	
REMS Jumbo, folding workbenches, see page 95.		
REMS Herkules, material supports, see page 96.		







Cutting Chamfering Deburring

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# **REMS RAS St**

Pipe cutters

Robust quality tools for cutting	pipes.
Meets high demands and long	service life.
Steel pipes	Ø ⅓–4", Ø 10−115 mm

REMS cutter wheels for other makes see page 74.

### **REMS RAS St – quality pipe cutters.**

Solid body in forged steel.

Robust spindle, long spindle guidance and hardened back pressure rollers provide exact alignment to the pipe and a long service life.

Ergonomic, wide handle provides a powerful in-feed of spindle.

Broad, precise cutter wheel bearing on a hardened, non rotating wheel shaft guarantees a right angle cut.

Specially hardened cutter wheel in approved, tough-hard REMS die-steel quality ensures a long service life.

Cutter wheel protected against touching the back pressure rollers by in-feed limitation.

Only 1 cutter wheel for pipes Ø  $\frac{1}{6}$ -4" (10–115 mm), wall thickness s  $\leq$  8 mm, suitable for both pipe cutters. Cutter wheel for pipes Ø 1–4" to wall thickness s  $\leq$  12.5 mm available as accessory.

### Supply format

REMS RAS St. Pipe cutter for steel pipes. With cutter wheel. In a carton.						
Description         Pipes         Wall thickness         ArtNo.           Ø mm/inch         s ≤ mm         s         mm						
St <sup>1</sup> / <sub>8</sub> -2"	<sup>1</sup> ∕₅−2" 10−60	8	113000			
St 1¼-4"	1¼−4" 30−115	8	113100			

### Accessories

Description	s ≤ mm	ArtNo.	
REMS cutter wheel St 1/8-4", s 8			
for REMS RAS St 1/8-2" and St 11/4-4"	8	341614	
REMS cutter wheel St 1–4", s 12			
for REMS RAS St 11/4-4"	12.5	381622	

### **REMS RAS Cu-INOX**

Robust quality tools for cutting tubes. Particularly suited for cutting stainless steel tubes.

Copper tubes, thin-walled	
stainless steel tubes, thin-walled	
steel, aluminium, brass tubes	Ø 3–120 mm
	Ø 1/8-4"

REMS cutter wheels for other makes see page 74.

### REMS RAS Cu-INOX – for places with difficult access.

Small, handy, specially for use in restricted spaces.

Robust design and hardened back pressure rollers provide exact alignment to the tube and a long service life.

Large operating knob in metal for easy in-feed and cutting.

Broad, precise cutter wheel bearing on a hardened, non rotating wheel shaft guarantees a right angle cut.

Specially hardened cutter wheel in approved, tough-hard REMS die-steel quality ensures a long service life. Fast changing of cutter wheel without tools by cutter wheel axle with ball catch. Cutter wheel protected against touching the back pressure rollers by in-feed limitation.

REMS RAS Cu-INOX 3–28 S Mini with needle bearing cutter wheel and needle bearing counter-pressure rollers for very easy cutting.

### Supply format

**REMS RAS Cu-INOX.** Tubing cutter for copper tubes, thin-walled stainless steel tubes, thin-walled steel, aluminium, brass tubes. With cutter wheel. In blister pack.

•				
Description	Pipes Ø mm/inch	Wall thickness s ≤ mm	ArtNo.	
Cu-INOX 3–16	3−16 ½=5%	4	113200	
Cu-INOX 3–28 Mini	3-28 ½-1½"	4	113240	
Cu-INOX 3–28 S Mini, on needle bearings	3-28 1⁄8-11⁄8"	4	113241	



German Quality Products





### Tubing cutters

















### **REMS RAS Cu-INOX**

### **Tubing cutters**

### **REMS RAS Cu-INOX – the compact version** with telescopic spindle.

Telescopic spindle. Easy, quick adjustment in both directions.

Compact design for tough use.

Sturdy telescopic spindle, long spindle guidance and 4 specially hardened back pressure rollers ensure exact alignment to the tube, easy in-feed, easy cutting and precise, right angle cut.

Ergonomic, handy operating knob in metal for easy work and long service life. Specially hardened cutter wheel in approved, tough-hard REMS die-steel quality ensures a long service life. Fast changing of cutter wheel without tools by cutter wheel axle with ball catch. Cutter wheel protected against touching the back pressure rollers by in-feed limitation.

REMS RAS Cu-INOX 3–35 S with needle bearing cutting wheel and needle bearing counter-pressure rollers for very easy cutting.

Integrated pipe deburring device, on rotating bearing, adapts to the workpiece edge to be deburred.

Specially hardened and ground universal deburring blade guarantees easy deburring and extremely long life.

Fast, simple blade change.







### Supply format

**REMS RAS Cu-INOX.** Pipe cutting machine for copper pipes, thin-walled stainless steel pipes, thin-walled steel-aluminium pipes, brass pipes, with integrated pipe deburring device. With cutter wheel. In blister pack.

Description	Pipes Ø mm/inch	Wall thickness s ≤ mm	ArtNo.	
Cu-INOX 3–35	3-35 1⁄8-1¾"	4	113350	
Cu-INOX 3-35 S, on needle bearings	3−35 1⁄8−1¾"	4	113351	
Cu-INOX 3–42	3-42 1⁄8-1¾"	4	113330	

### REMS RAS Cu-INOX – quality pipe cutter.

Robust, solid design for heavy-duty application.

Sturdy spindle, long spindle guidance and hardened back pressure rollers provide exact alignment to the tube, easy in-feed, easy cutting and precise, right angle cut. Ergonomic, handy operating knob in metal for easy work and long service life.

Specially hardened cutter wheel in approved, tough-hard REMS die-steel quality ensures a long service life.

Cutter wheel protected against touching the back pressure rollers by in-feed limitation.

REMS RAS Cu-INOX 8-64 S with needle bearing cutting wheel and needle bearing counter-pressure rollers for very easy cutting. Quick adjustment of the engagement spindle in both directions.

Only 1 cutter wheel for the complete working capacity Ø 3–120 mm.

### Supply format

**REMS RAS Cu-INOX.** Tubing cutter for copper tubes, thin-walled stainless steel tubes, thin-walled steel, aluminium, brass tubes. With cutter wheel. In blister pack/in box.

Description	Pipes Ø mm/inch	Wall thickness s ≤ mm	ArtNo.	
Cu-INOX 3–28	3-28 1/8-11/8"	4	113300	
Cu-INOX 6–42	6-42 1⁄4-15⁄8"	4	113380	
Cu-INOX 6–64	6-64 1⁄4-21⁄2"	4	113400	
Cu-INOX 8–64 S, on needle bearings, with quick adjustment	8-64 3/8-21/2"	4	113401	
Cu-INOX 64–120	64-120 2½-4"	4	113500	

#### Accessories

Description	Wall thickness	ArtNo.	
•	s ≤ mm		
REMS cutter wheel Cu-INOX 3-120, s 4	4	113210	
REMS cutter wheel Cu-INOX 3-120 S,			
s 4, on needle bearings	4	113213	
Universal deburring blade, ground		113360	





German Quality Products

### **REMS RAS Cu**

**Tubing cutters** 

### Robust quality tools for cutting tubes.

Copper tubes Ø	3-64 mm
	Ø 1/8-21/2"
DEMO suffer where is far athen makes and many	74

REMS cutter wheels for other makes see page 74.

### **REMS RAS Cu – the compact version** with telescopic spindle.

Telescopic spindle. Easy, quick adjustment in both directions.

Compact design for tough use.

Sturdy telescopic spindle, long spindle guidance and 4 specially hardened back pressure rollers ensure exact alignment to the tube, easy in-feed, easy cutting and precise, right angle cut.

Ergonomic, handy operating knob in metal for easy work and long service life. Specially hardened cutter wheel in approved, tough-hard REMS die-steel quality ensures a long service life. Fast changing of cutter wheel without tools by cutter wheel axle with ball catch. Cutter wheel protected against touching the back pressure rollers by in-feed limitation.

Integrated pipe deburring device, on rotating bearing, adapts to the workpiece edge to be deburred.

Specially hardened and ground universal deburring blade guarantees easy deburring and extremely long life.

Fast, simple blade change.

### Supply format

REMS RAS Cu. Tubing cutter for copper tubes, with integrated pipe deburring device. With cutter wheel. In blister pack.

Description	Pipes Ø mm/inch	Wall thickness s ≤ mm	ArtNo.	
Cu 3–35	3−35 1⁄8−1¾"	3	113340	
Cu 3–42	3-42 <sup>1</sup> / <sub>8</sub> -1 <sup>3</sup> / <sub>4</sub> "	3	113320	

### **REMS RAS Cu – quality pipe cutter.** With quick adjustment.

Solid, handy, U-shaped design.

Sturdy spindle, long spindle guidance and hardened back pressure rollers provide exact alignment to the pipe, easy in-feed, easy cutting and precise, right angle cut. Ergonomic, handy operating knob in metal for easy work and long service life.

Ratchet for quick adjustment in both directions.

Specially hardened cutter wheel in approved, tough-hard REMS die-steel quality ensures a long service life.

Cutter wheel protected against touching the back pressure rollers by in-feed limitation.

Only 1 cutter wheel for the complete working capacity Ø 3-120 mm.

### German Quality Products







REMS RAS Cu. Tubing cutter for copper tubes. With cutter wheel. In blister pack/in box.

Description	Pipes Ø mm/inch	Wall thickness s ≤ mm	ArtNo.	
Cu 8–42 with quick adjustment	8–42 ¾–15⁄8"	3	113370	
Cu 8–64 with quick adjustment	8-64 3⁄8-21⁄2"	3	113410	

Description	Wall thick- ness s ≤ mm	ArtNo.	
REMS cutter wheel Cu 3-120, s 3	3	113225	
Universal deburring blade, ground		113360	

















# **REMS RAS P**

**Tubing cutters** 

High performance quality tools for cutting pipes. With quick adjustment.

Plastic pipes,

multi-layer composite tubes  $\emptyset$  10–315 mm  $\emptyset$   $\frac{1}{2}$ –12"

REMS cutter wheels for other makes see page 74.

## REMS RAS P – quality pipe cutter. With quick adjustment.

Solid, handy, U-shaped design.

Sturdy spindle, long spindle guidance and hardened back pressure rollers provide exact alignment to the pipe, easy in-feed, easy cutting and precise, right angle cut. Ergonomic, handy operating knob in metal for easy work and long service life.

Ratchet for quick adjustment in both directions.

Specially hardened cutter wheel in approved, tough-hard REMS die-steel quality ensures a long service life.

Cutter wheel protected against touching the back pressure rollers by in-feed limitation.

Cutter wheels for different wall thicknesses (s).



**REMS RAS P.** Pipe cutter for plasic pipes and multi-layer composite tubes. With cutter wheel. In blister pack/in box.

Description	Pipes Ø mm/inch	Wall thickness s ≤ mm	ArtNo.	
P 10-40 with quick adjustment	10−40 ½−15⁄8"	7	290050	
P 10-63 with quick adjustment	10-63 ½-2"	7	290000	
P 50-110 with quick adjustment	50-110 2-4"	11	290100	
P 110-160 with quick adjustment	110–160 4–6"	16	290200	

## **REMS RAS P** – cutting up to Ø 315 mm, s $\leq$ 19 mm.

Fast and inexpensive cutting of large pipes. Quick adjustment. Separate pipe centering for right angle cutting. Solid design, double-T-shaped body. Cutter wheels for different wall thicknesses (s).

## Supply format

**REMS RAS P.** Pipe cutter for plastic pipes and multi-layer composite tubes. With cutter wheel and spare cutter wheel. In sturdy case.

Description	Pipes Ø mm/inch	Wall thickness s ≤ mm	ArtNo.	
P 180–315 with quick adjustment	180–315 7–12"	16	290300	

#### Accessories

Description	s ≤ mm	ArtNo.	
<b>REMS cutter wheel P 10–63, s 7</b> for REMS RAS P 10–40, 10–63	7	290016	
<b>REMS cutter wheel P 50–315, s 11</b> for REMS RAS P 50–110, 110–160, 180–315	11	290116	
<b>REMS cutter wheel P 50–315, s 16</b> for REMS RAS P 50–110, 110–160, 180–315	16	290216	
<b>REMS cutter wheel P 50–315, s 19</b> for REMS RAS P 50–110, 110–160, 180–315	19	290316	







German Quality Products







## **REMS cutter wheels**

German Quality Products For REMS pipe and tubing cutters and other makes\*

Steel pipes			
REMS cutter wheel St 1/8-4", s 8			
	ArtNo.		
Wall thickness s ≤ 8 mm	341614		
to fit following pipe cutters	Capacity	Description	
REMS	1/8-2"	RAS St 1/8-2"	
	1¼-4"	RAS St 11/4-4"	
Alarm	1⁄8-2"	10002	
	1¼-4"	10004	
Brinko	1/8-2"	629	
Dako	1⁄8-2"	9.220	
Format	1⁄8-2"	F3061900	
Mast	1/8-2"	52/2	
	1¼-4"	52/4	
Reed	1⁄8-2"	03320	
Ridgid	1⁄8-2"	2-A	
ROLLER	1/8-2"	Corso St 1/8-2"	
	1¼-4"	Corso St 11/4-4"	
Rothenberger	1⁄8-2"	7.0045	
Stahlwille	1⁄8-2"	150/2	
	1¼-4"	150/4	
SuperEgo	1/8-2"	701	
VBW	1⁄8-2"	140005	
	1¼-4"	140010	
Virax	1/2-2"	210120 (2101250)	
REMS cutter wheel St 1-4", s 12	2		
	ArtNo.		
Wall thickness s ≤ 12,5 mm	381622		
to fit following pipe cutters	Capacity	Description	

Wall thickness s ≤ 12,5 mm 381622	
to fit following pipe cutters Capacity	Description
REMS 11/4-4"	RAS St 1¼-4"
Alarm 11⁄4-4"	10004
Mast 11⁄4-4"	52/4
Reed 1-3"	03325
ROLLER 11/4-4"	Corso St 1¼-4"
Stahlwille 11/4-4"	150/4
VBW 1¼-4"	140010

Plastic pipes, composite tubes			
REMS cutter wheel P 10-63, s 7			
	ArtNo.		
Wall thickness s ≤ 7 mm	290016		
to fit following pipe cutters	Capacity	Description	
REMS	10-40 10-63	RAS P 10–40 RAS P 10–63	
ROLLER	10-40 10-63	Corso P 10–40 Corso P 10–63	

REMS cutter wheel P 50-315, s 11				
Wall thickness s ≤ 11 mm	290116			
REMS cutter wheel P 50-315, s	16			
Wall thickness s ≤ 16 mm	290216			
REMS cutter wheel P 50-315, s	19			
Wall thickness s ≤ 19 mm	290316			
to fit following pipe cutters	Capacity	Description		
REMS	50-110 110-160 180-315	RAS P 50-110 RAS P 110-160 RAS P 180-315		
Reed	48-114	TC 4 Q (only ArtNo. 290116)		
Ridgid	50-110 110-160	154 156		
ROLLER	50-110 110-160	Corso P 50-110 Corso P 110-160		
Rothenberger	50-125 100-168	7.0032 7.0033		
SuperEgo	50-125 100-168	737 738		
Virax	12-63	210620 (2106063)		

Dimensions to REMS cutter wheels				
		¢	Ţd	
REMS cutter wheel	ArtNo.	Ø D1 mm	b mm	Ø d mm
St 1/8-4", s 8	341614	31.92	18.94	9.07
St 1-4", s 12	381622	40.92	18.94	9.07
Cu-INOX 3-120, s 4	113210	19.50	4.93	5.02
Cu-INOX 3-120 S, s 4	113213	19,50	4,93	5,02
Cu-INOX b 3, s 4	113220	18.50	3.04	4.82
Cu 3–120, s 3	113225	18.50	4.93	5.02
P 10-63, s 7	290016	25.00	5.94	6.02
P 50–315, s 11	290116	35.00	10.92	8.03
P 50-315, s 16	290216	45.00	10.92	8.03
P 50–315, s 19	290316	51.00	10.92	8.03

Сор	Copper tubes, stainless steel tubes			
REMS cutter wheel Cu-INOX 3	-120, s 4			
	ArtNo.			
Wall thickness s ≤ 4 mm	113210			
to fit following pipe cutters	Capacity	Description		
REMS	3-16	RAS Cu-INOX 3-16		
	3-28	RAS Cu-INOX 3-28		
	3-35	RAS Cu-INOX 3-35		
	3-42	RAS Cu-INOX 3-42		
	6-42	RAS Cu-INOX 6-42		
	6-64	RAS Cu-INOX 6-64		
	64 – 120	RAS Cu-INOX 64-120		
	3-35	RAS Cu 3–35		
	3-42	RAS Cu 3-42		
Alarm	3-16	10030		
	3-35	10025		
Brinko	3-35	632		
Dako	4-16	231		
Mast	3-16	C 16		
	3-35	C 35		
ROLLER	3-16	Corso Cu-INOX 3-16		
	3–28	Corso Cu-INOX 3-28		
	3-35	Corso Cu-INOX 3-35		
	6-42	Corso Cu-INOX 6–42		
	6-64	Corso Cu-INOX 6-64		
	64-120	Corso Cu-INOX 64-120		
	3-35	Corso Cu 3–35		
Sturem	3-16	141600		
	3-35	123500		
	3-35	133500		
VBW	3–16	143005		
	3-36	141005		
REMS cutter wheel Cu-INOX 3-120 S, s 4, on needle bearings				
	ArtNo.			
Wall thickness s ≤ 4 mm	113213			

7	
113213	
Capacity	Description
3-35 8-64	RAS Cu-INOX 3-35 S RAS Cu-INOX 8-64 S
3-35 8-64	Corso Cu-INOX 3–35 S Corso Cu-INOX 8–64 S
	113213 Capacity 3–35 8–64 3–35

REMS cutter wheel Cu-INOX b 3, s 4			
	ArtNo.		
Wall thickness s ≤ 4 mm	113220		
to fit following pipe cutters	Capacity	Description	
Ridgid	3-16	103	
	3–28	150	
	6-28	101	
	6-60	205	
Rothenberger	3-30	7.0019	
	6-22	7.0002	
SuperEgo	3-16	716	
	3-30	725	
VBW	6-28	142005	
Virax	4-16	210310 (2103016)	
	6-28	210320 (2103100)	
	6-28	210300 (2103228)	

	Copper tubes			
REMS cutter wheel Cu 3-120, s	3			
	ArtNo.			
Wall thickness s ≤ 3 mm	113225			
to fit following pipe cutters	Capacity	Description		
REMS	3–16	RAS Cu-INOX 3-16		
-	3-28	RAS Cu-INOX 3-28		
	3-35	RAS Cu-INOX 3-35		
	3-42	RAS Cu-INOX 3-42		
	6-42	RAS Cu-INOX 6-42		
	6-64	RAS Cu-INOX 6-64		
	64-120	RAS Cu-INOX 64-120		
	3-35	RAS Cu 3–35		
	3-42	RAS Cu 3–42		
	8-42	RAS Cu 8–42		
	8-64	RAS Cu 8–64		
Alarm	3-16	10030		
	3-35	10025		
Brinko	3-35	632		
Dako	4-16	231		
Mast	3-16	C 16		
	3-35	C 35		
ROLLER	3-16	Corso Cu-INOX 3–16		
	3–28	Corso Cu-INOX 3–28		
	3-35	Corso Cu-INOX 3–35		
	6-42	Corso Cu-INOX 6-42		
	6-64	Corso Cu-INOX 6-64		
	64-120	Corso Cu-INOX 64-120		
	3-35	Corso Cu 3–35		
	8-42	Corso Cu 8–42		
	8-64	Corso Cu 8–64		
Sturem	3–16	141600		
	3-35	123500		
	3-35	133500		
VBW	3-16	143005		
	3-36	141005		



## **REMS Nano**

Powerful, handy electric tool for cutting pipe and tubing. For trade and industry. For the building site and the workshop.

Stainless steel pipes of pressfitting	
systems, carbon steel,	Ø 12–28 mm
copper	Ø 10–35 mm
Multilayer composite pipes	Ø 10–40 mm

## REMS Nano – cutting up to Ø 40 mm. Ultra-light. Fast. Right angled. Chip-free. Without outer burr. Dry.

### Ideal for pressfitting systems

Right angled cutting, according to requirements <u>Chip-free</u>, no chips in piping system <u>No outer burr</u>, no damage to O-ring by outer burr <u>Dry cutting</u>, no damage to O-rings from lubricants <u>Fast</u>, prevents degradation of pipe material through overheating.

### Design

Mobile, electric pipe cutting machine for fast, right angled cutting without outer burr. Handy and light, only 1.9 kg. Also for fixing to the workbench or in the vice. Strong, torsion-free aluminium structure for right angled cutting. Easy cutting of the pipes by specially designed cutter wheel. Powered cutter wheel for fast cutting. Energy-saving in-feed due to ergonomically designed pressing lever. Cutter wheel protected against touching the back pressure rollers by in-feed limitation.

### Pipe support

3 sturdy, specially arranged counter-pressure rollers made of hardened precision steel for low-friction turning and safe guidance of the pipes to be cut in the whole working range Ø 10–40 mm and for optimisation of the contact points of the cutting wheel on the pipe to be cut (Patent EP 2 077 175). No setting.

#### Drive

Robust gear precisely mounted in ball and needle bearings, maintenance-free. Proven DC motor 230 V, 130 W. Powerful. e.g. copper pipe Ø 22 mm in only 3 s. Ideal speed 130 rpm for optimum cutting speed of the pipes. Safety switch.

### **REMS** cutter wheels

Top German quality. Cutter wheels specially designed to the performance capability of the REMS Nano and for numerous pipe materials with variable cutting geometries for fast cutting with no outer burr. Specially hardened, from proven, through-hardened REMS die-steel, ensuring long service life.







German Quality Product

## Supply format

**REMS Nano Basic-Pack.** Electric pipe cutting machine for fast, right angled cutting of pipes Ø 10–40 mm, without outer burr. For pipes of the press fitting systems made of stainless steel, carbon steel, Ø 12–28 mm, copper Ø 10–35 mm. Multilayer composite tubes Ø 10–40 mm. With maintenance-free gear, proven DC motor 130 V, 50–60 Hz, 200 W. Speed 130 rpm. Back pressure rollers made of hardened precision steel. Safety switch. Single open ended wrench size 8. Without cutter wheel. In carrying bag.

ArtNo.	
844010	

Description	ArtNo.
REMS cutter wheel Cu-INOX for stainless steel pipes of pressfitting systems, copper, carbon steel	844050
REMS cutter wheel V for multilayer composite pipes	844051
Carrying bag	574436
REMS Jumbo, folding workbenches, see page 95.	
REMS Herkules, material supports, see page 96.	





## **REMS Akku-Nano**

Cordless pipe cutter

Powerful, handy electric tool for cutting pipe and tubing. For trade and industry. For the building site and the workshop.

Stainless steel pipes of pressfitting	
systems, carbon steel,	Ø 12–28 mm
copper	Ø 10-35 mm
Multilayer composite pipes	Ø 10-40 mm

## REMS Akku-Nano – cutting up to Ø 40 mm. Ultra-light. Fast. Right angled. Chip-free. Without outer burr. Dry.

### Ideal for pressfitting systems

Right angled cutting, according to requirements Chip-free, no chips in piping system No outer burr, no damage to O-ring by outer burr Dry cutting, no damage to O-rings from lubricants Fast, prevents degradation of pipe material through overheating.

#### Design

Mobile, battery-powered pipe cutting machine for fast, right angled cutting without outer burr. Handy and light, only 2.1 kg. Also for fixing to the workbench or in the vice. Strong, torsion-free aluminium structure for right angled cutting. Easy cutting of the pipes by specially designed cutter wheel. Powered cutter wheel for fast cutting. Energy-saving in-feed due to ergonomically designed pressing lever. Cutter wheel protected against touching the back pressure rollers by in-feed limitation. Electronic charging status check with low discharge protection.

#### **Pipe support**

3 sturdy, specially arranged counter-pressure rollers made of hardened precision steel for low-friction turning and safe guidance of the pipes to be cut in the whole working range Ø 10–40 mm and for optimisation of the contact points of the cutting wheel on the pipe to be cut (Patent EP 2 077 175). No setting.

#### Drive

Robust, precision ball and needle bearing gears, maintenance-free. Powerful battery motor 10.8 V, with large power reserve, 270 W output. Super fast, e.g. copper pipe Ø 22 mm in just 3 s. Ideal speed 130 rpm for optimum cutting speed of the pipes. Safety switch.

#### Li-lon technology

Battery Li-Ion 10.8 with 1.3 Ah capacity. Powerful and light. High energy density for many cuts. Overheating and overloading protection by temperature monitor (NTC). Rapid charger for short charging times. No memory effect for maximum battery performance.

### **REMS** cutter wheels

Supply format

Top German quality. Cutter wheels specially designed to the performance capability of the REMS Akku-Nano and for numerous pipe materials with variable cutting geometries for fast cutting with no outer burr. Specially hardened, from proven, through-hardened REMS die-steel, ensuring long service life.



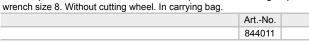




German Quality Product

Tested by electrosuisse >>>





**REMS Akku-Nano Basic-Pack.** Electric pipe cutting machine for fast, right angled cutting of pipes Ø 10–40 mm, without outer burr. For pipes of the press fitting systems made of stainless steel, carbon steel, Ø 12–28 mm, copper Ø 10–35 mm. Multilayer composite tubes Ø 10–40 mm. With maintenance-free gear, powerful battery motor 10,8 V, 270 W. Speed 130 rpm. Safety switch. Battery Li-Ion 10.8 V, 1.3 Ah, rapid charger Li-Ion 230 V, 50–60 Hz, 65 W. Counter pressures rollers made of hardened precision steel. Single open ended

Description	ArtNo.	
REMS cutter wheel Cu-INOX for stainless steel pipes		
of pressfitting systems, copper, carbon steel	844050	
REMS cutter wheel V for multilayer composite pipes	844051	
Battery Li-Ion 10.8 V, 1.3 Ah	844510	
Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W	571560	
Carrying bag	574436	
REMS Jumbo, folding workbenches, see page 95.		
REMS Herkules, material supports, see page 96.		



## **REMS** Cento

Pipe cutting machine

Light, portable compact machine. Universal for cutting and deburring pipes. For trade and industry. For the building site and the workshor

For the building site and the workshop.		
Stainless steel pipes of pressfitting		
systems, carbon steel, copper	Ø 8–108 mm	
Steel pipes EN 10255 (DIN 2440)	DN 10-100	
Ø ¼-4"	, Ø 14–115 mm	
Cast iron pipes (SML) EN 877 (DIN 19522	2) DN 50-100	
Plastic pipes SDR 11		
Wall thickness s ≤ 10 mm	Ø 10-110 mm	
Multilayer composite pipes	Ø 10-110 mm	

## **REMS Cento – Cutting and deburring** up to Ø 115 mm. Super fast. Right angled. Chip-free. No outer burr. Dry cutting.

### Universal for many pipe types.

## Ideal for pressfitting systems

Right angled cutting, according to requirements Chip-free, no chips in piping system No outer burr, no damage to O-ring by outer burr Dry. no damage to the O-ring by coolants-lubricants. Fast, prevents degradation of pipe material through overheating.

#### Design

Compact, mobile pipe cutting machine for fast, right angled, cutting with no outer burr. Handy and light, only 16.8 kg. Stable, distortion-free cast construction for right angled cutting. Easy pipe-cutting through specially designed cutter wheel. Powered cutter wheel and linear advance for fast cutting (Patent EP 1 782 904). Power saving feed-in through easy to grip, proven advance-lever and needle bearing mounted machine screw spindle. Cutter wheel protected – as movement restricted to before any contact with the rollers. Connection for driving outer/inner pipe deburrer REMS REG 10-54 E.

### **Running rollers**

4 strong hardened precision tubular steel running rollers on ball bearings for low-friction turning of the pipes Ø 22-115 mm,  $\tilde{Ø}$  <sup>3</sup>/<sub>4</sub>-4" to be cut, trapezoidally arranged, replaceable. No setting work required in the whole working range Ø 22-115 mm. Stainless tubular steel rollers as accessory. Cutting of pipes Ø 8-22 mm by placing two pipe sections Ø 28 × 220 mm on the running rollers.

#### Drive

Robust gear, precisely mounted in roller and needle bearings, maintenance-free. Proven universal motor, 1200 W. Powerful, e.g. stainless steel pipe Ø 54 mm in just 4 s. Ideal speed 115 rpm for optimum cutting speed of the pipes. Safety foot-switch with emergency stop.

### **REMS cutter wheels**

Top German quality. Cutter wheels specially designed to the performance capability of the REMS Cento and for numerous pipe materials with variable cutting geometries for fast cutting with no outer burr. Specially hardened, from proven, through-hardened REMS die-steel, ensuring long service life.

### **REMS** pipe deburrer

Inner pipe deburrer REMS REG 28-108 for pipes Ø 28-108 mm, Ø 3/4-4", for electric drive with the REMS Cento pipe cutting machine, as an accessory. Outer/inner pipe deburrer REMS REG 10-54 E for pipes Ø 10-54 mm, Ø  $\frac{1}{2} - 2\frac{1}{8}$ ", for electric drive with the REMS Cento pipe cutting machine, see page 89.









REMS REG 28-108





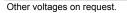
German Quality Product

Tested by electrosuisse

## Supply format

REMS Cento Basic. Pipe cutting machine for fast, right angled, cutting of pipes with no outer bur Ø 8–115 mm. For pipes of the press fitting systems made from stainless steel, carbon steel, copper, Ø 8–108 mm. For steel pipes EN 10255 (DIN 2440) DN 10–100, Ø  $\frac{1}{4}$ –4", Ø 14–115 mm, cast pipes (SML) EN 877 (DIN 19522) DN 50–100, plastic tubes SDR 11, wall thickness s ≤ 10 mm, Ø 10-110 mm, composite tubes Ø 10-110 mm. With maintenance-free gear, proven universal motor 230 V or 110 V, 50-60 Hz, 1200 W. Speed 115 rpm. Rollers in hardened precision steel pipe for pipes Ø 22-115 mm, Ø ¾-4". Safety footswitch. Ring spanner. Without cutter wheel. For workbench and stand. In a carton. Art.-No.

845001





## **REMS Cento**

ArtNo.	
845218	
845050	
845053	
845052	
845051	
845055	
845118	
845110	
e 89	
113840	
849315	
849310	
	845218 845050 845053 845052 845055 845055 845118 845110 e 89 113840 849315

REMS Herkules, material supports, see page 96.



## **REMS DueCento**

Pipe cutting machine

Robust, mobile compact machine. Universal for cutting pipes. For trade and industry. For the building site and the workshop.

Stainless steel pipes of pressfitting systems, carbon steel, copper	Ø 54–225 mm
Steel pipes EN 10255 (DIN 2440)	DN 10–150 Ø 2–6"
Cast iron pipes (SML) EN 877 (DIN	19522) DN 50-200
Plastic pipes SDR 11 Wall thickness s ≤ 21 mm	Ø 40–225 mm
Multilayer composite pipes	Ø 40–110 mm

## REMS DueCento - Cutting up to Ø 225 mm. Right angled. Chip-free. Ready for welding. Fast. No outer burr. Dry cutting.

Universal for many pipe types. <u>Right angled cutting</u>, according to requirements <u>Chip-free</u>, no chips in the pipe system, no dust Weldable, for muff and butt welds Fast, without impairment of the pipe material by overheating Without outside burr, easy insertion into connecting muffs Dry cutting, without impairment by coolant lubricants

### Design

Compact, mobile pipe cutting machine for fast, right angled, cutting with no outer burr. Handy and easily transportable, only 37 kg. Stable, distortion-free cast construction for right angled cutting. Easy pipe-cutting through specially designed cutter wheel. Powered cutter wheel and linear advance for fast cutting (Patent DP 10 2005 053 179). Power saving feed-in through easy to grip, proven advancelever and needle bearing mounted machine screw spindle. Cutter wheel protected - as movement restricted to before any contact with the rollers. Practical chassis with two rubber tyred wheels for easy transport.

### **Running rollers**

4 strong hardened precision tubular steel running rollers on ball bearings for low-friction turning of the pipes Ø 100–225 mm, Ø 4–6" to be cut, trapezoidally arranged, replaceable. No setting work in the working range Ø 100–225 mm, Ø 4-6". Roller insert for cutting pipes Ø 40-100 mm, Ø 11/2-31/2", as an accessory.

#### Drive

Robust gear, precisely mounted in roller and needle bearings, maintenance-free. Proven universal motor, 1200 W. Powerful, e.g. plastic tube PE Ø 225 mm in just 15 s. Ideal speed 115 rpm for optimum cutting speed of the pipes. Safety footswitch with emergency stop

### **REMS cutter wheels**

Top German quality. Cutter wheels specially designed to the performance capability of the REMS DueCento and for numerous pipe materials with variable cutting geometries for fast cutting with no outer burr. Specially hardened, from proven, through-hardened REMS die-steel, ensuring long service life.

### **Pipe supports**

Pipe supports, height adjustable, for pipes Ø 40–100 mm, Ø 1/2-3/2" and Ø 100–225 mm, Ø 4–6". Easy moving of the material in all directions when turning, pulling and pushing by four stainless steel balls mounted in a rust-protected housing. Safe guiding of long pipes by use of several pipe supports.







German Quality Product

Tested by electrosuisse



## Supply format

**REMS DueCento Basic.** Pipe cutting machine for fast, right angled cutting of pipes Ø 40–225 mm, without outside burr. For pipes of the press fitting systems made from stainless steel, carbon steel, copper, Ø 54–225 mm. For steel pipes EN 10255 (DIN 2440) DN 50–150, Ø 2–6", cast pipes (SML) EN 877 (DIN 19522) DN 50–200, plastic tubes SDR 11, wall thickness s ≤ 21 mm, Ø 40–225 mm, composite tubes Ø 40–110 mm. With maintenance-free gears, proven universal motor 110 / 230 V, 50–60 Hz, 1,200 W. Speed 115 rpm. Hardened, precision tubular steel rollers for pipes Ø 100–225 mm, Ø 4–6". Safety foot switch. Ring spanner. Without cutter wheel. Two height adjustable pipe rests Ø 100–225 mm, Ø 4–6". In a carton.

	ArtNo.	
	845004	
agos on request		



Other voltages on request.

Description	ArtNo.	
<b>REMS cutter wheel Cu-INOX</b> for stainless steel pipes of pressfitting systems, copper, carbon steel	845050	
REMS cutter wheel Cu specially for pipes of copper pressfitting systems	845053	
<b>REMS cutter wheel St</b> for steel pipes, cast iron pipes (SML)	845052	
<b>REMS cutting wheel C-SF</b> especially for pipes of the pressfitting systems and push fitting systems made from carbon steel, simultaneously produces a chamfer.	845055	
<b>REMS cutter wheel V, s 10</b> for plastic and multilayer composite pipes, wall thickness $s \le 10$ mm	845051	
<b>REMS cutter wheel P, s 21</b> for plastic and multilayer composite tubes, wall thickness $s \le 21$ mm	845057	
<b>Pipe support Ø 100–225 mm</b> , height adjustable, for pipes Ø 100–225 mm, Ø 4–6"	845220	
Pipe support Ø 40–100 mm, height adjustable, for pipes Ø 40–100 mm, Ø 1½–3½"	845230	
<b>Roller insert</b> for cutting pipes $\emptyset 40-100 \text{ mm}, \emptyset 1\frac{1}{2}-3\frac{1}{2}$ "	845060	



## **REMS Akku-ROS P 40**

Powerful, handy electric tool for fast, easy cutting of pipe and tubing. Also for thin-walled pipes. Only 1.2 kg. For one-hand operation. Ideal for assembly, disassembly, repair.

Plastic pipes, multilayer composite pipes $\emptyset \le 40 \text{ mm}$  $s \le 6,7 \text{ mm}$  $\emptyset \le 15\%$ "

## REMS Akku-ROS P 40 – fast, easy cutting of pipes. Powerful, e.g. multilayer composite pipes Ø 20 mm in just 4 s.

#### Universal use

Specially hardened, wedge-shaped blade for universal cutting of plastic and multilayer composite pipes. Also ideal for cutting thick-walled PP and PVC pipes.

### Design

Ultra light, ultra small, ultra handy. Drive machine with NiMH battery only 1.2 kg. Can therefore be used everywhere, free hand, over head, also in very confined spaces. Optimum weight distribution for one-hand operation. Sturdy housing made of glass fibre-reinforced polyamide with steel inlay, with ergonomically shaped handle. Right-angled, burr-free cut by exact pipe rest and blade guided on both sides. Automatic switch off after cutting process. Rapid return for fast resetting of the blade saves time and trouble. For effective working.

#### Wedge-shaped blade

Changeable, specially hardened wedge-shaped blade, also ideal for cutting thick-walled PP and PVC pipes. Chip-free cutting – no chips left in the pipe.

Powerful battery motor 9,6 V, 70 W output. Powerful, e.g. multilayer composite pipe Ø 22 mm in just 4 s. Robust, maintenance-free gear. Safety switch. On/Off switch.

### Battery

Integrated NiMH battery 9.6 V with 1.0 Ah capacity, for many cuts. Powerful and light. High energy density. Up to 200 cuts per battery charge. Charger NiMH 100–240 V, 50–60 Hz, 6 W, for short charging times. Pulse charging technique reduces memory effect for maximum battery performance.





## Supply format

**REMS Akku-ROS P 40 Set.** Cordless pipe shears for fast, easy cutting of plastic and composite pipes  $\emptyset \le 40$  mm,  $\emptyset \le 1\%$ ", s  $\le 6,7$  mm. Electric drive with powerful battery motor 9.6 V, 70 W, maintenance-free gear, safety switch, on/off switch. NiMH battery 9.6 V, 1.0 Ah, charger NiMH 100–240 V, 50–60 Hz, 6 W. With wedge-shaped blade. In box.

ArtNo.	
291310	



Description	ArtNo.
Blade for REMS Akku-ROS P 40	291301



## **REMS ROS**

## Robust quality tool for clean, fast cutting of pipes. Stable magnesium version. For one-hand operation.

Plastic pipes, multilayer composite pipes  $\emptyset \le 26 \text{ mm}$  $\emptyset \le 1"$ 

## REMS ROS P 26 – fast cutting in one cut

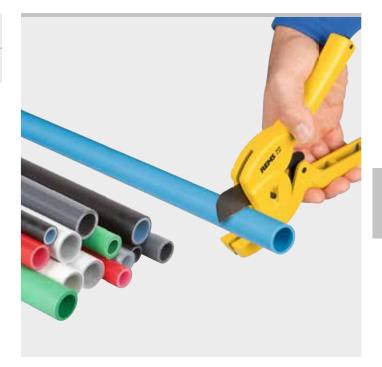
Stable magnesium version, extremely light.

For one-hand operation. Fast cutting in one cut.

Specially hardened and specially ground blade, exchangeable, PTFE-coated. German quality product.

Right-angled, burr-free cut by pipe rest on both sides and blade guided on both sides.

Chipless cutting - no chips remaining in pipe.



## Supply format

<b>REMS ROS P.</b> Pipe shears for plastic and multilayer composite tubes. With blade. In blister pack.			
Description Pipes $\emptyset \le mm/inch$ ArtNo.			
P 26	26 1"	291240	



Description	ArtNo.
Blade for REMS ROS P 26	291241



# **REMS ROS**

Pipe shears

Handy quality tools for clean, fast pipe cuts.

For thin-walled pipes also. Sturdy aluminium design.

For single-hand operation.

Plastic pipes, multi-layer composite tubes  $\emptyset \le 63 \text{ mm}$ 

Ø ≤ 2"

REMS ROS P 35 REMS ROS P 35 A REMS ROS P 42 REMS ROS P 42 PS REMS ROS P 63 P

#### Sturdy aluminium design.

Replaceable, specially hardened blade.

For single-hand operation. Effortless working through power transmitting

ratchet feed.

Quick reverse saves time and effort. REMS ROS P 35 A with automatic quick reverse after completion of cutting.

Right angle, burr-free cut through exact pipe support and guided blade on both sides.

Chipless cutting - no chips remaining in pipe.

## Supply format

**REMS ROS P.** Pipe shear for plastic pipes and multi-layer composite tubes. With blade. In blister pack/in box.

Description	Pipes Ø ≤ mm/inch	ArtNo.
P 35	35	
with quick reverse	13⁄8"	291200
P 35 A		
with automatic	35	
quick reverse	1%"	291220
P 42	42	
with quick reverse	15⁄8"	291250
P 42 PS	42	
with quick reverse	15⁄8"	291000
P 63 P	63	
with quick reverse	2"	291270

Plastic pipes	Ø ≤ 75 mm
	$\emptyset \le 2\frac{1}{2}$ "

## **REMS ROS P 75**

Robust steel design for tough use and long service life, ideal also for thick-wall plastic pipe.

Replaceable, specially hardened blade.

Fast, easy operation through guided ratchet on both sides and fine-toothed ratchet gear, specially hardened.

Right angle, burr-free cut through two-point pipe support and guided blade on both sides.

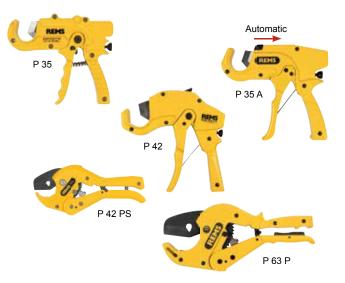
Chipless cutting – no chips remaining in pipe.

## Supply format

REMS ROS P. Pipe shear for plastic pipes. With blade. In a carton.			
Description	Pipes Ø ≤ mm/inch	ArtNo.	
P 75	75 2½"	291100	

Description	ArtNo.
Blade for REMS ROS P 35	291201
Blade for REMS ROS P 35 A	291221
Blade for REMS ROS P 42	291251
Blade for REMS ROS P 42 PS	291021
Blade for REMS ROS P 63	291281
Blade for REMS ROS P 63 P	291271
Blade for REMS ROS P 75	291111











## **REMS Cut 110 P**

Robust quality tool for right-angle, plain cutting and chamfering (15°) in one operation. Can be used anywhere, free-hand, on parallel vice or work bench.

Plastic pipes in ABS, PB, PE, PE-HD, PE-X, PP, PVC, PVDF

Ø 40-110 mm

## **REMS** Cut 110 P – cutting and chamfering at the same time.

Robust metal design for tough use.

Cutting and chamfering in one operation. While turning the tool shaft, also cutting only possible.

Fast and easy to use, ergonomic clamping grip.

Spring loaded clamp inserts in plastic for concentric clamping of different pipe sizes. Easy to change without tools.

Steplessly adjustable clamping pressure accomodates pipe tolerances. Cutting and chamfering tool in hard metal with optimum cutter geometry

ensures precise cutting and chamfering. Long service life.

Holder for workbench for effortless operation.

Tool set Cu-INOX and clamp inserts for cutting welded rain gutter pipes in copper, titanium zinc, stainless steel, as accessory.







### Supply format

**REMS Cut 110 P Set.** Pipe cutting and pipe chamfering tool for plastic pipes in ABS, PB, PE, PE-HD, PE-X, PP, PVC, PVDF, Ø 40–110 mm.Quick clamping device Ø 110 mm with 2 each of clamping inserts Ø 50 and 75 mm. Tool set P with cutting and chamfering blade P, s 11. In sturdy case.

Description	ArtNo.
Set 50-75-110	290400

	-		
Description	Pipes Ø mm	ArtNo.	
Clamping inserts (pack of 2)	40	290420	
	50	290421	
	52	290422	
	56	290444	
	58	290423	
	60	290445	
	63	290427	
	75	290424	
	76	290446	
	78	290425	
	80	290447	
	87	290448	
	90	290426	
	100	290449	
Tool set P			
with cutting and chamfering blade P, s 11		290432	
Cutting and chamfering blade P	s 11	290430	
Cutting and chamfering blade P	s 15.5	290431	
Tool set Cu-INOX			
with cutter wheel Cu-INOX 3–120, s 4		290433	
REMS cutter wheel Cu-INOX 3–120, s 4		113210	
Holder for work bench		290440	
Case		290437	





## **REMS Cut 110 Cu-INOX**

Pipe cutting tool

Robust quality tool for right-angle cutting of welded pipe. Can be used anywhere, free-hand, on parallel vice or work bench.

Welded rain gutter pipes in copper, titanium zinc, stainless steel	Ø 60–110 mm
Welded drain pipes/downpipes in stainless steel	Ø 50–110 mm

## EMS Cut 110 Cu-INOX – easy cutting of rain gutter pipes.

Robust metal design for tough use.

Fast and easy to use, ergonomic clamping grip.

Spring loaded clamp inserts in plastic for concentric clamping of different pipe sizes. Easy to change without tools.

Steplessly adjustable clamping pressure accomodates pipe tolerances.

Cutting and chamfering tool in hard metal with optimum cutter geometry

ensures precise cutting and chamfering. Long service life.

Holder for workbench for effortless operation.

Tool set P and clamp inserts for right-angle, plain cutting and chamfering (15°) of plastic pipe, as accessory, see page 85.

## Supply format

**REMS Cut 110 Cu-INOX Set.** Pipe cutter for welded rain gutter pipes in copper, titanium zinc, stainless steel,  $\emptyset$  60–110 mm, welded drain pipes/downpipes in stainless steel  $\emptyset$  50–110 mm. Quick action clamp  $\emptyset$  110 mm with clamp inserts. Tool set Cu-INOX with cutter wheel Cu-INOX 3–120, s 4. In sturdy case.

Description	ArtNo.
Set 50-75-110	290412
Set 60-80-100-110	290410
Set 76-87-100-110	290411

#### Accessories

**REMS RAG** 

chamfering (15°) of pipes.

**REMS RAG – chamfering at 15°.** Chamfering at 15° on commonly used plastic pipes.

Easily adjusted for pipe diameter and wall thickness.

In high-grade, glass-fibre reinforced polyamide.

Plastic pipes

to be welded.

Replaceable blades.

Wall thickness

Description	ArtNo.	
Clamp inserts, see page 85.		
Tool set Cu-INOX with cutter wheel Cu-INOX 3–120, s 4	290433	
REMS cutter wheel Cu-INOX 3–120, s 4	113210	
Holder for work bench	290440	

Ø 16-250 mm, Ø <sup>3</sup>⁄<sub>4</sub>-10"

≤ PN 16

Handy quality tools for simple and fast external

Also suited for deburring plastic pipes. Ensures easy joining of sleeves

Very easy and fast chamfering thanks to efficient blade geometry. Patent DE 44 09 983, patent US 5,641,253. Easy-to-slide V-block with two different bevel angles for good guidance of small pipe sizes.







## Pipe chamfering tools



German Quality Product

Patent DE 44 09 983 Patent US 5,641,253





# Supply format REMS RAG. Pipe chamfering tool for plastic pipes. With blades. In a carton. Description Pipes Ø $\leq$ mm/inch Art.-No. P 16–110 16–110 / $\frac{3}{2}$ – $\frac{4}{2}$ 292110

P 16–110	16-110 / ¾-4"	292110	
P 32-250	32-250 / 11/4-10"	292210	
Accessories			

Description	ArtNo.	
Chamfering blades (pack of 2) for REMS RAG P 16-250	292011	

## **REMS REG Universal**

## Universal deburrer

Universal quality tool for deburring tubes and edges of different materials.

Copper, steel, brass, aluminium, plastic.

## REMS REG Universal – the all-purpose deburrer.

Robust metal design for tough use.

Easy handling and good grip thanks to ergonomically designed hexagon handle. Rotating universal deburrer blade in handle accommodates to the work piece edge to be deburred.

Specially hardened and specially ground universal deburrer blade guarantees easy deburring and long service life.

Fast, simple blade replacement by pulling back the front sliding sleeve.

### Supply format

**REMS REG Universal.** Universal deburrer. For copper, steel, brass, aluminium, plastic. On cardboard.

Art.-No.

113910

Accessories
ALLESSUILES

Description	ArtNo.
Universal deburring blade, ground	113360

## REMS REG St 1/4-2"

Robust quality tool for inner pipe deburring.	
For electric operation.	

Steel pipes and other pipes  $\emptyset \frac{1}{4}-2"$ 

### REMS REG St 1/4-2": effortless electric deburring.

Inner pipe deburrer with octagonal attachment head for operating by means of electric die stocks with octagonal seat, e.g. REMS Amigo E, REMS Amigo, REMS Amigo 2, REMS Amigo 2 Compact.

Specially hardened and designed deburring blade ensures easy deburring and extremely long life. Double edges for optimum chip flow, specially for small sizes.



REMS HEI Dulyarall

German Quality Product

Inner pipe deburrer

### Supply format

**REMS REG St**  $\frac{1}{4}$ **-2**". Inner pipe deburrer for electric operation. For steel pipes and other pipes,  $\emptyset \frac{1}{4}$ -2". In a carton.

i pipes and other pipes, o 14-2. In a canon.		
	ArtNo.	
	731700	

## REMS REG 3-35

Sturdy manual tool for outer-inner tube deburring. Copper, brass, aluminium, steel, plastic tubes Ø 3–35

Ø 3–35 mm Ø 1⁄8–1¾"

## REMS REG 3-35 - the sharp edge.

Fast, effortless deburring through 3 specially hardened and ground deburring blades. Robust housing in shock-proof, resistant plastic.

### Supply format

REMS REG 3-35. Outer-inner tube deburrer. For copper, brass, aluminium, steel, plastic tubes, Ø 3-35 mm, Ø 1/8-1%". In blister pack.

noter pu	on.	
	ArtNo.	
	113900	

## Outer-inner tube deburrer



German Quality Product

# REMS REG 8-35

Robust quality tool for removing outer and inner burr from pipes.

Stainless steel pipes, other steel pipes, copper, brass, aluminium, plastic pipes

## REMS REG 8-35 - the multiple edge up to Ø 35 mm.

Easy, effortless deburring through multiple blades which are specially hardened and ground. Robust metal design for tough use.



## Supply format

**REMS REG 8–35.** Outer-inner pipe and tube deburrer. For stainless steel pipes, other steel pipes, copper, brass, aluminium, plastic pipes,  $\emptyset$  8–35 mm,  $\emptyset$  %–1%". In blister pack.

···· ···· ····		
	ArtNo.	
	113825	



## **REMS REG 10-42**

Robust, solid all-metal tool for outer-inner pipe and tube deburring. For manual or electric operation.

Stainless steel pipes, other steel pipes, copper, brass, aluminium, plastic pipes

Ø 10-42 mm Ø ½-1%"

Ø 8-35 mm

Ø 3/8-13/8"

## REMS REG 10-42 – by hand or electric. Specially for stainless steel pipes.

Ideal for pipes of all types. Specially for stainless steel tubes of pressfitting systems.

Easy and fast deburring through an appropriate, solid all-metal tool, equipped with 4 specially hardened and ground deburring blades

Driver for electrical drive by REMS Helix cordless drill/screwdriver (see page 93) and other power drills/screwdrivers (speed  $\leq$  300 rpm), as an accessory.

## Outer-inner pipe deburrer



German Quality Product



## Supply format

**REMS REG 10–42.** Outer-inner pipe and tube deburrer for manual or electric operation. For stainless steel pipes, other steel pipes, copper, brass, aluminium, plastic pipes,  $\emptyset$  10–42 mm,  $\emptyset$  ½–1%". Without adapter for electric drive. In blister pack.

ArtNo.	
113810	

Description	ArtNo.	
Adapter for REMS REG 10-42	113815	
REMS Helix, cordless drill/screwdriver, see page 93		





# **REMS REG 10–54**

## Outer-inner pipe deburrer

Robust quality tool for removing outer and inner burr from pipes. Stainless steel pipes, other steel pipes,

copper, brass, aluminium, plastic pipes  $\emptyset 10-54 \text{ mm}$  $\emptyset \frac{1}{2}-2\frac{1}{3}$ "

## REMS REG 10-54 – the multiple edge up to Ø 54 mm.

Easy, effortless deburring through multiple blades which are specially hardened and ground. Robust metal design for tough use.



## Supply format

**REMS REG 10–54.** Outer-inner pipe and tube deburrer. For stainless steel pipes, other steel pipes, copper, brass, aluminium, plastic pipes, Ø 10–54 mm, Ø  $\frac{1}{2}$ -2%". In blister pack.

ArtNo.	
113830	

## **REMS REG 10–54 E**

Robust quality tool for removing outer and inner burr from pipes. For manual operation or electric drive.

Stainless steel pipes, other steel pipes, copper, brass, aluminium, plastic pipes

Ø 10–54 mm Ø ½–21/8"

## **REMS REG 10–54 E – by hand or electrically.** Especially for stainless steel pipes.

Easy, effortless deburring through multiple blades which are specially hardened and ground.

Also for electrical drive by REMS Helix cordless drill/screwdriver (see page 93) and other power drills/screwdrivers with  $\frac{1}{4}$ " bit holders (speed  $\leq$  300 rpm), by the REMS Cento pipe cutting machine (see page 78) and by the REMS Turbo Cu-INOX pipe circular sawing machine (see page 66).

Protected by German utility model registration 20 2007 019 016.6. Patent EP pending.

Robust metal design for tough use.

## Outer-inner pipe deburrer







## Supply format

**REMS REG 10–54 E.** Outer-inner pipe and tube deburrer for manual or electric operation. For stainless steel pipes, other steel pipes, copper, brass, aluminium, plastic pipes, Ø 10–54 mm, Ø  $\frac{1}{2}$ -2 $\frac{1}{3}$ ". In blister pack.

		ArtNo.	
		113835	

## Accessories

Description **REMS Helix**, cordless drill/screwdriver, see page 93 **REMS Cento**, pipe cutting machine, see page 78 **REMS Turbo Cu-INOX**, pipe circular sawing machine, see page 66





## Assembling Testing Filling Flushing

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	Hand pressure testing pump	98
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	Electronic flushing and pressure testing unit with compressor	100
00000	Disinfection unit TW, cleaning and preservation unit H	102
	Electric filling and flushing unit	104

# **REMS Catch S**

 $\emptyset \leq 3"$ 

Ø ≤ 1½"

Rugged quality tools for tough use and long service life. All-steel, drop forged.

Swedish model according to DIN 5234 - Form C.

Pipes

Nuts, bolts, flat material

## REMS Catch S – for professional use.

Swedish model with S-shaped jaws for secure 3-point grip. Self-locking thus secure gripping and holding even on smooth pipes. Rugged design in chrome-vanadium steel, all steel, drop forged, tempered, powder-coated. Hardened, highly wear resistant toothing. Ergonomically shaped handle, slip-proof. Stop prevents jamming. Adjusting nut cannot be lost. Reinforced sleeve.



## Supply format

**REMS Catch S.** Swedish pattern wrench 'S'. DIN 5234 – Form C. In plastic bag.

Description Pipes $\emptyset \leq inch$	Width mm	ArtNo.
S ½"	36	116000
S 1"	47	116005
S 1½"	60	116010
S 2"	78	116015
S 3"	112	116020

## **REMS Catch W**

Rugged quality tools for tough use and long service life. All-steel, drop forged.

According to ISO 8976 with box joint.

Pipes

Square, hexagonal joints, flat material

## **REMS** Catch W – for professional use.

Gripping pliers with reinforced, ground, box joint. 7 grip positions. Self-locking thus secure gripping and holding, even on smooth pipes. Rugged design in chrome-vanadium steel, all-steel, drop forged, tempered, powder-coated. Hardened, highly wear resistant toothing. Ergonomically shaped handle, slip-proof. Stop prevents jamming.



## Water pump pliers



## Supply format

REMS Catch W. Water pump pliers, 7 grip positions. ISO 8976. In plastic bag.

Description	Pipes Ø ≤ inch	ArtNo.	
W 175	1"	116050	
W 240	1¼"	116055	
W 300	1½"	116060	



## **REMS Helix VE**

#### Powerful,handy power tool for drilling, driving in/ loosening screws and deburring pipes. For cordless and mains operation. For assembly, disassembly, repair.

accombry, ropan.
Ø ≤ 10 mm
Ø ≤ 28 mm
Ø ≤ 14 mm
Ø ≤ 7 mm

## REMS Helix VE - drilling, screw driving and deburring.

#### Design

Ultra light, ultra small, ultra handy. Drive machine with battery pack weighs only 1.3 kg. Can therefore be used everywhere, free hand, over head, also in very confined spaces. Optimum weight distribution for one-hand operation. Ergonomically designed housing. Drive machine with keyless quick chuck, clamping range 0.8–10 mm, right and left hand rotation. 2 continuously adjustable speed ranges from 0 to 300 rpm and 0 to 1,250 rpm, 25 torque stages plus drilling stage, high torque of 31 Nm in the low speed range for powerful screw driving. Integrated LED work light for illuminating the work place. Belt clip. For cordless and mains operation. 1 bit with double blade slot/cross-head, 50 mm long. Bit set as accessory.

### Drive

Powerful electro-mechanical drive with powerful battery motor 14.4 V, 300 W output, robust, 2-step, precision, ball bearing-mounted planetary gear, maintenance-free. Safety switch.

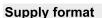
#### Vario-Electronic

Continuous electronic speed control for gentle start drilling, driving in/loosening of screws and selection of the speed suitable for the material when drilling and driving in/loosening screws. The speed can be continuously controlled by variable pressure on the safety switch from 0 to 300 or 0 to 1,250 rpm (accelerator switch).

### Battery or mains operation

Li-Ion PLUS technology. Highly resistant Li-Ion 14.4 V battery with 1.6 or 3.2 Ah capacity for long service life. Powerful and light. Li-Ion 14.4 V, 3.2 Ah battery for driving in more than 1,000 screws 4 x 40 mm in wood. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range – 10 to + 60 °C. No memory effect for maximum battery power. Rapid charger for short charging times. Li-Ion 230 V voltage supply for mains operation instead of Li-Ion 14.4 V battery, as accessory.





**REMS Helix VE Li-Ion Set.** Cordless power drill/screwdriver with Vario-Electronics (VE) for drilling in steel, stone,  $\emptyset \le 10$  mm, wood  $\emptyset \le 28$  mm and other materials and for driving in/loosening screws  $\emptyset \le 7$  mm. Drive machine with keyless quick chuck, clamping range 0.8–10 mm, right and left hand rotation. Electromechanical drive with powerful battery motor 14.4 V, 300 W, 2-step robust planetary gear. 2 continuously adjustable speed ranges from 0 to 300 rpm and 0 to 1,250 rpm, 25 torque stages plus drilling stage, high torque of 31 Nm in the low speed range. Safety switch. Integrated LED work light. Belt clip. Li-Ion 14.4 V, 1,6 Ah battery, Li-Ion/Ni-Cd 230 V, 50–60 Hz, 65 W rapid charger. 1 bit with double blade slot/cross-head, 50 mm long. In carrying bag.

	ArtNo.	
	190010	
auost		

### Other voltages on request.

Accessories		
Description	ArtNo.	
<b>REMS REG 10–42.</b> Outer/inner pipe deburrer for pipes $\&$ Ø $\frac{1}{2}-1\%$ , see page 88	ð 10–42 m	ım,
<b>REMS REG 10–54 E.</b> Outer/inner pipe deburrer for pipes $\emptyset \frac{1}{2}-\frac{2}{8}$ ", see page 89	sØ10-54	· mm,
REMS tile drilling, Ø 5-14 mm, see page 232		
REMS Helix VE Li-lon drive unit, without battery	190000	
Battery Li-Ion 14.4 V, 1.6 Ah	571545	
Battery Li-Ion 14.4 V, 3.2 Ah	571555	
Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W	571560	
Voltage supply Li-lon 230 V for mains operation instead of battery Li-lon 14.4 V	571565	
Carrying bag	190053	
<b>Bit set,</b> comprising quick-change bit holder, magnetic, with automatic bit lock, 12 bits (4 Torx, 3 cross-head PH, 3 cross-head PZ, 2 slotted), in practical magazine with elastic band for fixing to wrist or to the power tool.	190051	
REMS cordless LED lamp see page 97	175200	













## **REMS Aquila 3B**

Sturdy, easy to carry pipe workstation with integrated chain pipe vice on folding tripod stand. With practical shelf plate. For trade and industry. For the building site and the workshop.

Clamping range

Ø 10−165 mm Ø ⅓−6"

## REMS Aquila 3B – portable pipe workstation. Safe clamping of pipes up to 6". Everywhere on site.

Sturdy, torsion-free die-cast structure of the work plate with integrated chain pipe vice, pipe rest, tool holders, 3 benders for bending pipes Ø 10–26 mm, Ø %–%", clamping head.

Specially toothed double clamping jaws, easily changeable, prism-shaped, for safe clamping of the pipes in the whole working range. Specially hardened, for long life.

Clamping chain with strong chain links, easy clamping by quick closure and trapezoidal threaded spindle.

Well accessible working range in front of the chain pipe vice for free swing of even long tools.

Especially suitable for pipe installation, e.g. for cutting, thread cutting, bending, assembly.

Adjustable clamping head for clamping the pipe workstation between the ceiling and the floor, for especially secure standing.

Proven tripod stand for secure standing, folding, for easy erection and transport. Practical shelf plate for tools and work material.

REMS Herkules height adjustable material supports (see page 96).

### Supply format

**REMS Aquila 3B.** Pipe workstation with chain pipe vice for clamping pipes  $\emptyset$  10–165 mm,  $\emptyset$  %–6". Work plate with integrated chain pipe vice with double clamping jaws, pipe rest, tool holders, 3 benders for bending pipes  $\emptyset$  10–26 mm,  $\emptyset$  %–%", clamping head. Folding tripod stand with shelf plate. In a carton.

Art.-No. 120270

## **REMS Aquila WB**

High quality, robust chain pipe vice for fixing to a workbench. Excellent quality for long life. For trade and industry. For the building site and the workshop.

Pipes

Ø 10−165 mm Ø 1⁄₅−6"

## REMS Aquila WB - safe clamping of pipes up to 6".

Sturdy, torsion-free die-cast structure of the base plate with integrated chain pipe vice, pipe rest, bender.

Specially toothed double clamping jaws, easily changeable, prism-shaped, for safe clamping of the pipes in the whole working range. Specially hardened, for long life.

Clamping chain with strong chain links, easy clamping by quick closure and trapezoidal threaded spindle.

Well accessible working range in front of the chain pipe vice for free swing of even long tools.

Especially suitable for pipe installation, e.g. for cutting, thread cutting, bending, assembly.

For fixing to the workbench.

REMS Herkules height adjustable material supports (see page 96).











Chain pipe vice for workbench





German Quality Product



## Supply format

**REMS Aquila WB.** High quality chain pipe vice for clamping pipes Ø 10–165 mm, Ø %–6". Base plate with integrated chain pipe vice with double clamping jaws, pipe rest, bending device. For work bench. In a carton.

ArtNo.	
120250	

## **REMS Jumbo**

Sturdy, easy to carry folding workbenches for universal use. Worktop in accordance with DIN 68 705. For trade and industry. For the building site and the workshop.

## **REMS** Jumbo E – handy and light.

Work top	Birch-Multiplex, 800 × 600 mm		
Height	800 mm		
Weight	23 kg		
Load capacity	≤ 300 kg		
REMS Jumbo – the indestructible folding work- bench. Handy and light. German quality product.			
Work top	Reech-Multiplex 1100 x 700 mm		

Work topBeech-Multiplex, 1100 × 700 mmHeight800 mmWeight28 kgLoad capacity≤ 300 kg

## REMS Jumbo – assembled and disassembled at lightning speed. With toggle catch. Worktops in accordance with DIN 68 705. Highly resistant up to 300 kg.

Handy and light. REMS Jumbo E only 23 kg, REMS Jumbo only 28 kg. Worktop made of special Birch-Multiplex plywood (REMS Jumbo E) or Beech-Multiplex plywood (REMS Jumbo), in accordance with DIN 68 705 weather-proof glued, impregnated, vice-proof and tear-proof, flat and torsion-free.

Impact and splinter resistant thanks to steel edge protection. Screws and nuts galvanised,

Especially safe standing by strong tubular steel frame with toggle catch, assembled and disassembled at lightning speed. Easy to carry.

Highly resistant, max. load capacity 300 kg.



German Quality Product



## Supply format

**REMS Jumbo.** Folding workbench with toggle catch. Worktop in accordance with DIN 68 705. In a carton.

Description	Work top	Size mm	ArtNo.
REMS Jumbo E	Birch-Multiplex	800×600	120240
REMS Jumbo	Beech-Multiplex	1100×700	120200



## **REMS Herkules**

Material supports

Vertically adjustable material support with roller guidance for rotating and stationary pipe and solid material. For trade and industry. For the building site and the workshop.

Pipes Solid material Ø (1/8) 1-6", Ø (6) 25-150 mm Ø (6) 25-150 mm

## **REMS Herkules – the sturdy support.**

Easy moving of the material in all directions when turning, pulling and pushing by two stainless steel balls mounted in a rust-protected housing in the range  $\emptyset$  1–6",  $\emptyset$  25–150 mm.

Especially suitable for pipe installation, e.g. for cutting, thread cutting, roll grooving, welding, soldering.

Robust, job site-proven design. Dismantles for transport and stocking. Optionally on safe standing tripod or with clamping device for workbench.





German Quality Product



## Supply format

**REMS Herkules.** Vertically adjustable material support for pipes  $\emptyset$  (½) 1–6",  $\emptyset$  (6) 25–150 mm, solid material  $\emptyset$  (6) 25–150 mm. Optionally on tripod or with clamping device for workbench. In a carton.

Description	Version	ArtNo.	
<b>REMS Herkules 3B</b>	Tripod with protection caps	120120	
<b>REMS Herkules Y</b>	Clamping fixture for work bench	120130	



## **REMS battery LED Lamp**

## Hand and standing lamp

Practical, ultra light hand and standing lamp for lighting up the work place. For battery and mains operation.

### REMS cordless LED lamp – lights everywhere. For cordless and mains operation. 145° continuously tiltable.

Ultra light hand and standing lamp.

LED technology with high brilliance

Ergonomically designed handle with soft grip

Battery compartment integrated into the handle Li-Ion 14.4 V batteries or Li-Ion 230 V power supply for mains operation in place of Li-Ion 14.4 V battery as an accessory.

Electronic charging status check with low discharge protection.

Practical, foldout hanging device

Lamp head continuously tiltable by 145° for better illumination.

Rapid charger for short charging times, as an accessory.

No memory effect for maximum battery performance.



#### Supply format

**REMS cordless LED.** Lamp Hand and standing lamp for Li-Ion 14.4 V batteries or Li-Ion 230 V voltage supply. Without battery, without rapid charger, without voltage supply. In blister pack.

in the second seco	
	ArtNo.
	175200

#### Accessories

Description	ArtNo.	
Battery Li-Ion 14.4 V, 1.6 Ah	571545	
Battery Li-Ion 14.4 V, 3.2 Ah	571555	
Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W	571560	
Voltage supply Li-lon 230 V for mains operation		
instead of battery Li-Ion 14.4 V	571565	





## **REMS CleanM**

Highly effective machine cleaner for fast, reliable removal of oily and greasy soiling of all kinds. For cleaning and degreasing machines, tools etc. For trade and industry.

## **REMS** CleanM – you can't get cleaner than that. Very high cleaning effect.

Especially for fast, reliable removal of oily and greasy soiling of all kinds. Easily biodegradable according to OECD 302 B. Free from substances classified as harmful to the environment.

Universal cleaner for trade and industry. For cleaning and degreasing machines and tools.

Can also be used for removing lime scale.

REMS CleanM spray bottle without propellant.

## Machine cleaner





German Quality Product



## Supply format

**REMS CleanM.** Highly effective machine cleaner for fast and reliable removal of oily and greasy soiling. For cleaning and degreasing machines, tools etc.

of only and groupy coming. For orearing and degreating mathined, toolo etc.			
	Packing	ArtNo.	
	500 ml spray bottle	140119	

Proven, reliable testing pump for pressure and tightness tests of piping systems and receptacles.

Testing and pressure range	p ≤ 6 MPa/60 bar/870 psi
Water, oil, glycol	
pH-value of liquids	7–12
Temperature of liquids	≤ 60°C
Viscosity of liquids	≤ 1.5 mPa s

### REMS Push - reliable pressure hold.

#### Universal use

For plumbing, heating, solar system and sprinkler installations, for compressed air, steam and cooling systems, oil installations, for boiler and pressure vessel building.

## Design

Robust, job-site proven metal design for tough use. REMS Push with corrosion-resistant, powder-coated 12 ltr steel tank. Distortion resistant lever with ergonomic handle, doubles as carrying handle when locked. Wear resistant pressure piston in brass, Ø 30 mm. High-pressure hose with ½"-connection. Fine scale pressure gauge (accessory),  $p \le 1.6$  MPa/16 bar/232 psi, for reading a pressure change of 0.01 MPa/0.1 bar/1.45 psi for tightness testing according to DIN 1988, as accessory.

## Stainless steel tank

REMS Push INOX with 12 ltr stainless steel tank. For extremely long life.

## Functioning

Pressure and tightness test with water or oil. Double valve system for reliable pressure built-up, with rust-proof steel balls. High pumping capacity with long stroke, fine pressure adjustment at short pushes. High pressure hose with fabric ply prevents measurement errors.



## Supply format

**REMS Push.** Hand pressure testing pump with pressure gauge,  $p \le 6$  MPa/ 60 bar/870 psi, for pressure and tightness testing of piping systems and receptacles up to 6 MPa/60 bar/870 psi, Corrosion-resistant, powder-coated 12 ltr steel tank. 1.5 m high-pressure hose with  $\frac{1}{2}$ "-connection. In a carton.

2 10	Steer tarm.	1.0 m mgn	pressure n	030 With /2	connice		curton.	
						ArtNo.		
						115000		

## Supply format

**REMS Push INOX.** Hand pressure testing pump with pressure gauge,  $p \le 6$  MPa/60 bar/870 psi, for pressure and tightness testing of piping systems and receptacles up to 6 MPa/60 bar/870 psi. 12 Itr stainless steel tank. 1.5 m high-pressure hose with  $\frac{1}{2}$ -connection. In a carton.

	ArtNo.	
	115001	

Description	Pressure p ≤ MPa/bar/psi	ArtNo.	
Connecting piece with pressure gauge and shut off valve	6/60/870	115110	
Fine scale pressure gauge	1,6/16/232	115045	







## **REMS E-Push 2**

Powerful, electric pressure testing pump for pressure and tightness tests of piping systems and receptacles.

Testing and pressure range	p ≤ 6 MPa/60 bar/870 psi
Pumping capacity	6.5 l/min
Water, hydrous solutions, emu	Ilsions
pH-value of liquids	7–10
Temperature of liquids	≤ 60°C
Viscosity of liquids	≤ 1.5 mPa s

## **REMS E-Push 2 – electric charging and testing.** Up to 60 bar. With adjustable pressure limiting. 1300 W. Self sucking.

#### Universal use

In sanitary, heating, solar and sprinkler installation, for compressed air, steam and cooling systems, oil installations, in boiler and pressurised vessel construction.

#### Design

Robust, compact, light. Weighs only 12 kg. Easy to carry. Wear reduced high power piston pump. Pressure gauge, damped by filling with glycerine, p ≤ 6 MPa/ 60 bar/870 psi. High-pressure hose with fabric ply prevents measurement errors. Suction hose with suction filter. Non-return valve in the suction hose prevents the suction hose from running empty in standstill times; therefore shorter suction times. Suction hose and high pressure hose with ½"-connection. Connecting piece with pressure gauge,  $p \le 6$  MPa/60 bar/870 psi, and shut off valve for pressure and tightness testing also after removal of the high pressure pump, e.g. theft protection or for use at several testing points, as accessory. Fine scale pressure gauge, p ≤ 1.6 MPa/

16 bar/232 psi, for reading a pressure change of 0.01 MPa/0,1 bar/1.45 psi for tightness testing according to DIN 1988, as accessory.

### High power piston pump

Self-sucking high power piston pump running in a sealed oil bath with wear reduced pressure piston in stainless steel. Proven, powerful capacitor motor, 1300 W, very powerful and fast. High pumping capacity of 6.5 l/min. Pressure and tightness testing up to 6 MPa/60 bar/870 psi.

Adjustable pressure limiting Pressure limiting in 6 stages, 1–6 MPa/10–60 bar/145–870 psi, adjustable to the necessary pressure in the pipe system/tank.







#### Supply format

REMS E-Push 2. Electric pressure testing pump with pressure gauge,  $p \le 6$  MPa/60 bar/ 870 psi, for pressure and leak testing of pipe systems and tanks up to 6 MPa/60 bar/870 psi, with adjustable pressure limiting. Pump unit with capacitor motor 230 V, 50 Hz, 1300 W. Non-return valve. 1.5 m high-pressure hose with ½"-connection. In a carton.

ArtNo.
115500

Description	Pressure p ≤ MPa/bar/psi	ArtNo.	
Connecting piece with pressure gauge and shut off valve	6/60/870	115110	
Fine scale pressure gauge	1,6/16/232	115045	



## **REMS Multi-Push**

Powerful, compact, electronic flushing and pressure testing unit with oil-free compressor. For flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems, for pressure and leak testing of pipe systems and vessels with compressed air or water, as a pneumatic pump for controlled filling of all types of vessels with compressed air and for operation of pneumatic tools.

### Flushing

Water pressure pipe network Pipe diameter installation	p ≤ 1 MPa/10 bar/145 psi ≤ DN 50, 2"
Disinfection of drinking water	installations
Cleaning and preservation of	heating systems
Water temperature	5 – 35°C
Water flow	≤ 5 m³/h
Pressure test	n < 0.4 MDa/4 bar/59 pai
with compressed air	p ≤ 0,4 MPa/4 bar/58 psi
Pressure test with water	p ≤ 1,8 MPa/18 bar/261 psi
Pneumatic pump for controlle	<b>o</b> ,,
vessels with compressed air	p ≤ 0,8 MPa/8 bar/116 psi
Operation of pneumatic tools	
Operating pressure	p ≤ 0,8 MPa/8 bar/116 psi
Suction rate	≤ 230 NI/min

REMS Multi-Push – only one device with more than 10 programs for flushing and pressure testing with compressed air or water of drinking water and heating installation, etc. Very simple menu-guided operation in 26 languages. Permanent process monitoring. Logging. USB interface.

### Universal use

Only **one** device for flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems, for pressure and leak testing of pipe systems and vessels with compressed air or water, e.g. drinking water installations, radiators or area heating systems, as a pneumatic pump for controlled filling of all types of vessels with compressed air, e.g. for pumping up expansion vessels or tyres and for operating pneumatic tools.

### Design

Powerful, compact, electronic flushing and pressure testing unit with oil-free compressor. Handy, easily portable, REMS Multi-Push SL only 37 kg, REMS Multi-Push SLW only 39 kg. Measuring and control devices for automatically running the flushing and test programs and for documenting the results. Safety devices for avoiding contamination of the pipe network by flow-back. Overpressure valves for pressure limiting. 5 µm condensation and particle filters. Large tubular steel frame as a compressed air tank. Two practical handles for easy carrying. Space-saving, folding handle grip for easy movement. Mobile tubular steel frame with two rubbertyred wheels for easy transport and 2 rubber feet for firm standing. Connecting cable with integrated personal protection switch (PRCD).Captive seals for inputs and outputs of the REMS Multi-Push to avoid contamination during transport and storage.

REMS Multi-Push SLW additionally with hydro-pneumatic water pump for generating the necessary water pressure for hydrostatic pressure testing of pipe systems and vessels with water.

#### Compressor

Proven, powerful, oil-free piston compressor with crank drive, maintenance-free, with capacitor motor 230 V, 1,500 W. Pressure gauge for displaying the air pressure in the compressed air tank. Emergency stop button .

#### Hoses

Transparent 1" suction/pressure hose with fabric inlay, 1.5 m long, with 1" hose screw fittings for flushing, disinfection, cleaning, preservation and pressure testing with water. Pneumatic hose 8 mm, 1.5 m long, with DN 5 quick couplings, for pressure testing with compressed air, High-pressure hose ½", with fabric inlay, 1.5 m long, with ½" hose screw fitting, for pressure testing with water. Captive seals for inputs and outputs of the hoses to avoid contamination during transport and storage. Connecting hose for blowing out remaining water from the REMS Multi-Push and hoses at the end of the work, as an accessory.

Electronic flushing and pressure testing unit with compressor







## **REMS Multi-Push**

## Input and control unit

Easy to operate. Menu-guided input and menu-guided control of more than 10 flushing and test programs in 26 languages with edit option for the user to adapt the factory-set test criteria (test sequences, pressures and times) or defaults to the respective national safety provisions, rules and regulations valid for the application site. Format selection for date and time and selection of the different units. Input and control unit with 3" display with modern LCD technology, 76 mm screen diagonal, 128 × 64 pixels. Permanent process monitoring during the pro-gram sequences. USB port for USB stick or printer. The respective latest version software for the input and control unit is available via USB stick as a download under www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Software.

### Flushing

Flushing of drinking water installations with water or with a water/air mixture with intermittent compressed air in accordance with EN 806-4:2010 and information leaflet "Flushing, Disinfection and Commissioning of Drinking Water Installations" (August 2014) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and for flushing of radiators and area heating systems.

### Disinfection

Disinfection unit for disinfection of drinking water installations in accordance with EN 806-4:2010 and information leaflet "Flushing, Disinfection and Commissioning of Drinking Water Installations" (August 2014) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and other pipe systems, as an accessory. REMS Peroxi Color, consisting of a 11 bottle of REMS Peroxi dosing Solution for disinfection of approx. 100 pipe volumes and a 20ml bottle of REMS Color dye for dyeing the dosing solution (see page 102).

### **Cleaning and preservation**

Cleaning and preservation unit H for cleaning and preserving heating systems, as an accessory. Cleaner and corrosion protection for respectively approx. 1001 pipe volumes (see page 102)

### Pressure and leak testing with compressed air

Leak testing of drinking water installations with compressed air in accordance with information leaflet "Leak Testing of Drinking Water Installations" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and pressure and leak testing of other pipe systems and vessels.

Load testing of drinking water installations with compressed air in accordance with information leaflet "Leak Testing of Drinking Water Installations" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and other pipe systems and vessels.

### Pressure and leak testing with water

REMS Multi-Push SLW with hydro-pneumatic water pump for hydrostatic pressure testing of drinking water installations with water in accordance with EN 806-4:2010, test method A, B or C or test method B, modified in accordance with information leaflet "Leak Testing of Drinking Water Installations" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and for pressure and leak testing of other pipe systems and vessels.

## Pneumatic pump

Pneumatic pump for controlled filling of all types of vessels with compressed air  $\leq 0.8$  MPa/8 bar/116 psi, with automatic switch-off on reaching the preset air pressure, e.g. for pumping up expansion vessels or tyres.

### **Operation of pneumatic tools**

Connection for pneumatic tools up to an air requirement ≤ 230 NI/min, adjustable, for adaptation to the pneumatic tool being used. Pressure gauge for controlling the air pressure supplied by the compressed air tank. Pneumatic hose with quick coupling NW 7.2, as an accessory.

Logging Results of the flushing and test programs are saved with date, time and log number in the selected language and can be transferred to USB stick or printer for documentation. Additions to saved data, e.g. customer name, project number, tester, are possible on external devices (e.g. PC, laptop, tablet-PC, Smartphone). Electronic flushing and pressure testing unit with compressor



## **REMS Multi-Push**

## Supply format

**REMS Multi-Push SL Set.** Electronic flushing and pressure testing unit with oil-free compressor. For flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems, for pressure and leak testing of pipe systems and vessels with compressed air, as a pneumatic pump for controlled filling of all types of vessels with compressed air  $p \le 0.8$  MPa/8 bar/116 psi, and for operation of pneumatic tools  $\le 230$  Nl/min Input and control unit Piston compressor with crank drive, capacitor motor 230 V, 50 Hz, 1500 W. Person circuit breaker (PRCD). 2 off 1" suction/pressure hoses, 1,5 m long, with 1" hose screw fittings, 1 pneumatic hose 8 mm, 1.5 m long, with DN 5 quick couplings, for pressure testing with compressed air. Seals for inputs and outputs. Mobile tubular steel frame. Without feeder unit for additives. In a carton

	ArtNo.		
	115610		

Other voltages on request.

## Supply format

**REMS Multi-Push SLW Set.** Electronic flushing and pressure testing unit with oil-free compressor. For flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems, for pressure and leak testing of pipe systems and vessels with compressed air or water, as a pneumatic pump for controlled filling of all types of vessels with compressed air  $p \le 0.8$  MPa/8 bar/ 116 psi, and for operation of pneumatic tools  $\le 230$  Nl/min Input and control unit Piston compressor with crank drive, capacitor motor 230 V, 50 Hz, 1500 W. Hydro-pneumatic water pump. Personal protection switch (PRCD). 2 off 1" suction/ pressure hoses, 1,5 m long, with 1" hose screw fittings, 1 pneumatic hose 8 mm, 1.5 m long, with DN 5 quick couplings, for pressure testing with compressed air. 1 high-pressure hose  $\frac{1}{2}$ ", 1.5 m long, with  $\frac{1}{2}$ " hose screw fittings, for pressure testing with water. Seals for inputs and outputs. Mobile tubular steel frame. Without feeder unit for additives. In a carton Art.-No.

	115611
Other voltages on request.	

Accessories		
Description	ArtNo.	
Fine filter with fine filter cartridge 90 µm, washable, with large dirt collection vessel	115609	
Fine filter cartridge 90 $\mu m,$ for fine filter with fine filter cartridge 90 $\mu m$	043054	
Connecting hose compressor/water connections, for blowing out water remains from the REMS Multi-Push and the suction/pressure hoses at the end of work	115618	
Pressure gauge, $p \le 6$ MPa/60 bar/870 psi, for pressure and leak testing of pipe systems and vessels up to 6 MPa/60 bar/870 psi.	115140	
Fine scaled pressure gauge, p ≤ 1.6 MPa/16 bar/ 232 psi, for pressure and leak testing of pipe systems and vessels up to 1.6 MPa/16 bar/232 psi.	115045	
Fine scaled pressure gauge, p ≤ 250 hPa/250 mbar/ 3,6 psi, for pressure and leak testing of pipe systems and vessels up to 250 hPa/250 mbar/3.6 psi.	047069	
Compressed air hose NW 7.2 for connecting compressed air tools, with NW 7.2 quick coupling	115621	
Printer for printing the stored results of the flushing and test programs, 1 roll of paper, USB connecting cable, power supply/charger Ni-Mh 100–240 V, 50–60 Hz, 3 W	115604	
Paper roll, pack of 5 for printer	090015	
<b>Disinfection unit TW</b> for drinking water installations, for feeding dosing solution for disinfection	115602	
<b>REMS Peroxi Color,</b> 11 bottle of REMS Peroxi dosing solution for disinfection of approx. 1001 pipe volumes and a 20 ml bottle of REMS Color dye for dyeing the dosing solution.	115605	
Test strips $H_2O_2$ , pack of 100, for checking full flushing out of the dosing solution after disinfection	091072	
<b>Cleaning and preservation unit H</b> for heating systems, for feeding cleaning agent and corrosion protection	115612	
<b>REMS CleanH</b> 1I bottle of cleaner for heating systems, for approx. 1001 pipe volumes.	115607	
<b>REMS NoCor</b> 1 l bottle of corrosion protection for preserving heating systems, for approx. 100 l pipe volumes.	115608	









## **REMS Solar-Push**

Powerful electric filling and flushing unit for fast, easy filling, flushing and venting of closed systems. Ideal for solar power systems, ground heat systems and underfloor/wall heating.

<b>.</b>			
Tank volume	30 litres		
REMS Solar-Push K 60 with centrifugal pump			
Transport capacity at 40 m pumping head	16 l/min		
Transport volume	≤ 36 I/min		
Transport pressure $\leq 0.55$ MPa/5.	5 bar/80 psi		
Temperature of the transported media			
(constant load)	≤ 60°C		
pH value of the transported media	7-8		
REMS Solar-Push I 80 with impeller pump			
Transport capacity at 40 m pumping head	18 l/min		
Transport volume	≤ 27 l/min		
Transport pressure $\leq 0.65$ MPa/6.	5 bar/94 psi		
Temperature of the transported media			
(constant load)	≤ 80°C		
pH value of the transported media	7-8		
Media transported: heat transfer liquids, antif water, aqueous solutions, emulsions	reeze,		

## REMS Solar-Push – filling, flushing and venting in one action. Self priming. High transport capacity.

### System advantage

Filling, flushing and venting in one action. Ideal for solar power systems, ground heat systems and underfloor/wall heating. Also for filling tanks.

## Design

Powerful, electric filling and flushing unit on stable, mobile tubular steel frame for secure standing. 2 large, air-filled tyres for easy transport in rugged building site conditions. Practical hose holder. Low weight, only 19 kg. Sturdy plastic tank to hold 30 litres, made of UV-stabilised PE, with filling level indicator, removable, for easy cleaning, with large opening for easy filling. Practical screw cap for fast opening and closing. Return connection <sup>3</sup>/<sup>4</sup>" with immersion pipe avoids foaming of the transport medium when it enters the plastic tank. Stop tap for easy cleaning and easy changing of the plastic tank when using different transport media. Two practical handles for easy rarying of the plastic tank. High temperature-resistant connecting hose between plastic tank and pump. Fine filter in the suction line with large viewing window for easy recognition of residue air in the circuit as well as emitted contamination, e.g. chips, solder and welding residue.

## **REMS Solar-Push K 60**

Self-suction centrifugal pump, suitable for different transport media, e.g. heat transfer liquids, antifreeze, water, aqueous solutions, emulsions. With proven, powerful condenser motor with quiet running, 860 W, on/off switch. High transport volume 36 l/min for fast filling, efficient flushing and venting of closed systems and for filling tanks. Pressure relief valve for simple pressure relief in the pressure hose at the end of operation, as an accessory. For continuous load  $\leq 60^{\circ}C$ . 2 pieces flexible, transparent PVC fabric hoses ½" T60, for pressure and return lines, each 3 m long, with ¾" screw connections, temperature-resistant  $\leq 60^{\circ}C$ .

## **REMS Solar-Push I 80**

Dry self-suction impeller pump with special impeller, suitable for different transport media, e.g. heat transfer liquids, antifreeze, water, aqueous solutions, emulsions. With proven, powerful condenser motor with quiet running, 1000 W, on/off switch. High transport volume 27 l/min for fast filling, efficient flushing and venting of closed systems and for filling tanks. Pressure relief valve for simple pressure relief in the pressure hose at the end of operation. For continuous load  $\leq 80^{\circ}$ C. 2 pieces flexible, EPDM fabric hoses ½" T100 (synthetic rubber), for pressure and return lines, each 3 m long, with  $\frac{3}{4}$ " screw connections, high temperature-resistant  $\leq 100^{\circ}$ C.

## **Extensive accessories**

Shut-off valve for closing the pressure or return line, e.g. during transport. Fine filter with fine filter bag 70 µm, consisting of a screw cap with return line connection for return line with  $\frac{3}{4}$ " union, adapter and fine filter bag 70 µm, or fine filter with fine filter cartridge 90 µm, washable, with large dirt collection vessel, for return line with  $\frac{3}{4}$ " connection for flushing underfloor heating/wall radiators and clearing sludge. Flow direction changeover valve complete with EPDM fabric hose  $\frac{1}{4}$ " T100, for flushing underfloor heating/wall radiators and effective clearance of sludge by pressure surges when flow direction changes. Changeover valve for alternative suction of the transport medium from another tank, e.g. for larger volumes.















## **REMS Solar-Push**

## Electric filling and flushing unit

## Supply format

**REMS Solar-Push K 60.** Electric filling and flushing unit for fast, easy filling, flushing and venting of closed systems. Transport volume ≤ 36 l/min, tank volume 30 l. With centrifugal pump, temperature-resistant for continuous load ≤ 60°C. Transport pressure ≤ 0,55 MPa/5,5 bar/80 psi. Condenser motor 230 V, 50 Hz, 860 W. 2 pieces flexible, transparent PVC fabric hoses ½" T60, each 3 m long, temperature-resistant ≤ 60°C. In box.

ArtNo.
115312

Other voltages on request.



## Supply format

**REMS Solar-Push I 80.** Electric filling and flushing unit for fast, easy filling, flushing and venting of closed systems. Transport volume  $\leq 27$  l/min, tank volume 30 l. With impeller pump, temperature-resistant for continuous load  $\leq 80^{\circ}$ C. Transport pressure  $\leq 0.65$  MPa/6,5 bar/94 psi. Transport capacity at 40 m transport height 10 l/min. Condenser motor 230 V, 50 Hz, 1000 W. Pressure relief valve. 2 pieces flexible, EPDM fabric hoses ½" T100, each 3 m long, high temperature-resistant  $\leq 100^{\circ}$ C. In box.

ArtNo.	
115311	

Other voltages on request.

Description	ArtNo.
<b>PVC fabric hose</b> $\frac{1}{2}$ " <b>T60</b> for pressure or return line, 3 m long, with $\frac{3}{4}$ " screw connections, temperature-resistant $\leq$ 60°C.	115314
<b>EPDM fabric hose</b> $\frac{1}{2}$ <b>" T100</b> for pressure or return line, 3 m long, with $\frac{3}{4}$ " screw connections, high temperature-resistant $\leq 100^{\circ}$ C.	115315
<b>EPDM fabric hose <math>\frac{1}{2}</math>" T165</b> for pressure or return line, 3 m long, with $\frac{3}{4}$ " screw connections, high temperature-resistant $\leq 165^{\circ}$ C.	115319
<b>%" shut-off valve</b> for closing the pressure or return line, e.g. during transport.	115324
30 I plastic tank made of UV-stabilised PE.	115375
Pressure relief valve for Solar-Push K 60.	115217
<b>Fine filter with fine filter bag 70 µm,</b> consisting of a screw cap with return line connection for return line with <sup>3</sup> / <sub>4</sub> " union, adapter, 1 file filter bag 70 µm, for flushing underfloor heating/wall radiators and clearing sludge	115220
Fine filter bag 70 µm (pack of 10), fine file filter with fine filter bag 70 µm	115221
Fine filter with fine filter cartridge 90 µm, washable, with large dirt collection vessel, for return line with ¾" union, for flushing underfloor heating/wall radiators and clearing sludge	115323
Fine filter cartridge 90 $\mu$ m, for fine filter with fine filter cartridge 90 $\mu$ m	043054
Flow direction changeover valve complete with EPDM fabric hose ½" T100, for flushing underfloor heating/wall radiators and effective clearance of sludge by pressure surges when flow direction changes	115326
Changeover valve for alternative suction of the transport medium from another tank, e.g. for larger volumes.	115325





## Bending

	Hydraulic pipe bender	108
A A A A A A A A A A A A A A A A A A A	Single-hand tube bender	110
Ś	Electric pipe and tube bender	111
PET	Cordless tube bender	114
A	Hand tube bender	116

## **REMS** Python

Robust, hydraulic pipe bender for dimensionally accurate bending of pipes up to 90°. For trade and industry. For the building site and the workshop.

Steel pipes EN 10255 (DIN 2440) $\emptyset$   $3_8-2"$ Multilayer composite tubes $\emptyset$  32-75 mm

## REMS Python – extremely easy bending up to Ø 2", 75 mm. Ideal for steel pipes EN 10255 and for multilayer composite tubes of the pressfitting systems.

### Universal use

For locksmith work, sanitary and heating installation and machine and plant engineering. Excellently suitable for steel pipes EN 10255 (DIN 2440) and for multilayer composite tubes of the pressfitting systems.

### System advantage

Only **one** bender drive for the whole working range up to  $\emptyset$  2",  $\emptyset$  75 mm. Thus simple, inexpensive stocking. No confusion possible.

### Cost advantage

Pipe bender is amortised after just a few bends by saving on fittings. No costs for fittings, storage, procurement. Saving of welds, press connections and working time. Increased safety due to fewer pipe connections.

## Design

Robust, compact pipe bender with closed, maintenance-free hydraulic system. 2 back former supports for high rigidity and precision during bending. Upper back former support tiltable for easy insertion and removal of the pipe, with marked plug positions for the back formers according to the pipe size to be bent, with angle scale 0 to 90°. Can be used anywhere, any time. No setting. Easy, effortless, quick working, e.g. 90° bend Ø 63 mm only 60 s. Tripod as accessory.

### Bending formers and back formers

Bending formers St for steel pipes, form and pressure stable, made of highly resistant spheroidal iron. Bending formers V for multilayer composite tubes, form and pressure stable, made of torsion-free shell-cast aluminium. See page 109. Marking on every bending former for dimensionally accurate bending. Angle gauge with angle scale 0 to 180° for dimensionally accurate bending, as an accessory. Optimum matching of bending formers and back formers guarantees material-compatible bending without cracks and creases. High strength back formers for low friction support of the thrust pressure. Fast changing of the bending formers and back formers by simple plug system.

#### Drive

Hydraulic drive unit with hydraulic cylinder made of high quality, rolled hydraulic tube. Overload protection of the hydraulic thrust in the foremost piston position for safe working. Ergonomically designed thrust lever for strength saving pressure build-up with manual hydraulic pump. No danger of crushing due to end limiting of the thrust lever, for high work safety.



German Quality Product



### Supply format

**REMS Python Set.** Hydraulic pipe bender for dimensionally accurate bending of pipes up to 90°. Steel pipes EN 10255 Ø  $\frac{3}{4}$ -2", multilayer composite tubes Ø 32-75 mm. Bender drive with back former supports and back formers, bending formers St and V. In sturdy carrying case.

Description	ArtNo.
Set St <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>3</sup> / <sub>4</sub> -1-1 <sup>1</sup> / <sub>4</sub> "	590020
Set St 1/2-3/4-1-11/4-11/2-2"	590021
Set V 40-50-63 mm	590022

#### Accessories

Description							ArtNo.		
Bender drive	with back fo	rmer suppo	rts a	nd b	ack	form	ers	590000	
Slide piece Ø	ð 75 mm (pa	ack of 2)						590111	
Tripod								590150	
Carrying cas	e with pract	ical handle	s					590160	
Angle gauge	for dimensi	onally accu	rate	ben	ding	1		590153	
				suit	able	for			
Bending former for pipes Ø mm/inch	Bending radius <sup>1)</sup> mm	Bending radius <sup>2)</sup> mm	St 10255	>					
St ¾"	50		•					590051	
St 1⁄2"	65		•					590052	
St ¾"	85		•					590053	
St 1"	100		٠					590054	
St 1¼"	150		٠					590055	
St 1½"	170		٠					590056	
St 2"	220		•					590057	
V 32 mm	112	128		٠				590061	
V 40 mm	140	160		٠				590058	
V 50 mm	175	200		٠				590059	
V 63 mm	220	252		•				590060	
V 75 mm	260	298		•3)				590062	

 St 10255:
 Steel pipes (threaded pipes) EN 10255 (DIN 2440)

 V:
 multilayer composite pipes of the pressfitting systems

 <sup>1)</sup> Bending radius mm on the inside of the bend (EN 10255)

 <sup>2)</sup> Bending radius mm at the neutral axis of the bend (DVGW VP 632)

 <sup>3)</sup> 2 slide pieces Ø 75 mm (Art. No. 590111) required



# **REMS Swing**

Practical single-hand tool for exact tube bending up to 90°. Ideal for on-site work. For trade and industry. For the building site and the workshop.

<b>.</b> .	
Soft copper pipes, also thin-walled	Ø 10−22 mm Ø ℁−%"
	s ≤ 1 mm
Coated soft copper tubes	Ø 10–18 mm Ø ℁–%"
	s ≤ 1 mm
Coated carbon steel pipes	
of pressfitting systems	Ø 12–18 mm
Soft precision steel tubes	Ø 10–18 mm
	s ≤ 1 mm
Multi-layer composite tubes	Ø 14–32 mm

REMS Swing – bending tubes where they are installed. Universally usable for many pipe types. Fast operation through quick-acting in-feed forward and release. Proven, reliable ratchet feed. Ideal also for coated tubes.

#### Universal use

For sanitary, heating, air conditioning, refrigerating and hydraulic applications. Also for copper thin-walled heating tubes according to EN 1057 and for tubes of pressfitting systems.

### Cost advantage

Bender recovered after a few bends through savings on fittings. No costs for fittings, storage, procurement. Savings in soldering joints, pressing joints and working hours. Higher safety thanks to fewer pipe joints.

### Design

Compact, job site-proven. Handy and light, only 1.3 kg. Can be used anywhere, free-hand, in confined areas. Simple, fast operation, e.g. bends Ø 22 mm in only 9 s. Quick-acting in-feed and release saves time and effort. Marked bending formers for exact bending. Crossover, swan-neck, reverse bends possible. Easy and rapid changing of bending formers.

### Bending formers and sliding pieces

In high-strength, high-slide, glass-fibre reinforced polyamide.

Application of bending formers, see table right.

#### Drive

Only 1 sturdy bender drive with with proven, reliable ratchet feed for the complete work range up to Ø 32 mm. 1 universal crossbar, reversive according to the required tube size, with bending formers up to Ø 26 mm,  $\frac{7}{6}$ ". 1 crossbar with sliding pieces for Ø 32 mm. Device for reverse bends up to Ø 22 mm,  $\frac{7}{6}$ ".



German Quality Product



Accessories

Description							A .1 . N.1 .	
Description							ArtNo.	
Bender drive							153100	
	<b>Universal back former carrier</b> with back formers for $\emptyset$ 10 – 26 mm, $\frac{3}{6}$ – $\frac{7}{6}$ " pipes							
Back former carrier 32 with back formers for Ø 32 mm pipes							153115	
Device for reverse bend	<b>Is</b> on install	ed p	ipes	;			153140	
Steel case with inlay							153265	
Case with inlay							153270	
			suit	able	for			
Bending former for tubes Ø mm/inch	Bending radius <sup>1)</sup> mm	Ō	Cu-U	St-U	St	>		
10, ¾	30	•			٠		153155	
12, 10 U, ½	36	٠	٠		٠		153160	
14, 12 U	50	٠		٠	٠	٠	153170	
15, 12 U, %	55	٠	٠		٠		153175	
16, 14 U	55	٠	٠		٠	٠	153180	
17, 15 U	60			٠		٠	153185	
18, 14 U, 15 U, 16 U, 3/4	72	٠	٠		٠	٠	153190	
20, 18 U	79	•	٠	٠		٠	153195	
22, 18 U, 3	86	٠	٠				153200	
25, 26	88					٠	153205	
32	128					٠	153210	

<sup>1)</sup> Bending radius mm at the neutral axis of the bend (DVGW GW 392). Cu: soft copper tubes, also thin-wall

St-U: coated carbon steel pipes of the pressfitting systems EN 10305-3 (DIN 2394)

St: soft precision steel pipes EN 10305-1, EN 10305-2, EN 10305-3 (DIN 2391–2394)

U: coated

V: multi-layer composite tubes of pressfitting systems





### Supply format

**REMS Swing Set.** Single-hand tube bender Ø 10–32 mm, Ø  $\frac{3}{6}-\frac{7}{6}$ ", up to 90°. Soft copper tubes Ø 10–22 mm, Ø  $\frac{3}{6}-\frac{7}{6}$ ", s ≤ 1mm, coated soft copper tubes Ø 10–18 mm, Ø  $\frac{3}{6}-\frac{3}{6}$ ", s ≤ 1mm, coated carbon steel pipes of pressfitting systems Ø 12–18 mm, soft precision steel tubes Ø 10–18 mm, s ≤ 1mm, composite tubes Ø 14–32 mm. Up to Ø 26 mm with bender drive, bending formers, universal crossbar with sliding pieces, in sturdy steel case/plastic case. Up to Ø 32 mm with bender drive, bending formers, 2 universal crossbars with sliding pieces, in sturdy plastic case.

p,, p			
Description mm	inch	ArtNo.	
Set 12-15-18-22	1/2-5/8-3/4-7/8"	153025	
Set 10-12-15-18-22	3/8-1/2-5/8-3/4-7/8"	153021	
Set 12-14-16-18-22	1/2-3/4-7/8"	153020	
Set 14-16-20-25/26		153026	
Set 14-16-18-20-25/26		153022	
Set 16-20-25/26-32		153029	
Set Allround 22 10-12-14-15-16-17-18-20-22	<sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>5</sup> / <sub>8</sub> - <sup>3</sup> / <sub>4</sub> - <sup>7</sup> / <sub>8</sub> "	153027	
Set 16-18-20-25/26-32		153023	
Set Allround 32 10-12-14-15-16-17-18-20-22-25/26-32	3/8-1/2-5/8-3/4-7/8"	153028	

## **REMS Curvo 50**

Electric pipe and tube bender

Universal, compact electric tool for cold bending of pipes and tubes up to 90°. Can be used anywhere, without vice. For trade and industry. For the building site and the workshop.

Steel pipes EN 10255 (DIN 2440)	Ø ¼-1¼"
Hard, half-hard, soft copper tubes	Ø 10–42 mm
Thin-wall copper tubes	Ø 10–35 mm
Pipes of press fitting systems made of stainless steel	Ø 12–42 mm
Carbon steel, also coated	Ø 12-35 (28) mm
Multi-layer composite tubes	Ø 14–50 mm
Further materials, see REMS Curvo	

### REMS Curvo 50 – wrinkle free bending of large pipes.

### Universal use

For metalwork and in sanitary, heating, air conditioning, refrigeration and hydraulic applications. Specially suited for steel pipe EN 10255 (DIN 2440), pipe for press-fitting systems, for hard and half hard copper pipe and for thin-walled copper heating pipe according to EN 1057.

### System advantage

Bending formers and back formers of REMS Curvo, REMS Akku-Curvo and REMS Sinus (page 117) also fit in the REMS Curvo 50 drive machine with adaptor block 10–40, support 10–40. Therefore simple, inexpensive stocking. No confusion possible.

#### Cost advantage

Bender cost recovered after a small number of bends. No costs for fittings, storage, procurement. Savings in soldering joints, pressing joints and working hours. Higher safety thanks to fewer pipe joints.

### Design

Compact, handy electric tool with integral absorption of torque during bending. Can be used anywhere, anytime. No setting. Simple, effortless, fast working, e.g. 90° bends of steel pipe Ø 11/4" in only 37 s. Fast and creep speed operation for precise bending. Swan-neck, U-bends possible.

### Bending formers and back formers

Optimum matching of bending former and back former guarantees material-compatible gliding without cracks and creases. Angle scale provided on each bending former and mark on the back former ensure precise bending. Rapid change of bending formers and back formers. Bending formers and back formers for different sizes, materials and bending radii. Bending formers and back formers REMS Curvo 50 (Ø 35 R 100, Ø 42 R 140, Ø 50 R 135, Ø 1" R 100, Ø 1¼" R 140): Form and pressure resistant bending formers in ductile iron and back formers in high-strength, high-slide glass-fibre reinforced polyamide.

### Drive

Robust, maintenance-free gear. Final point safety in both directions through safety slipping clutch. Proven, powerful universal motor, 1000 W. Right and left-hand rotation. Stepless electronic safety switch for rapid and creep speed operation.

### **Bending lubricant**

REMS bending spray ensures a permanent lubricating film for reducing energy expenditure and uniform bending. High-pressure-proof, acid-free. CFC-free, so ozone-harmless.

### Supply format

**REMS Curvo 50 Basic-Pack.** Electric pipe and tube bender Ø 10–50 mm, up to 90°. Steel pipes EN 10255 Ø  $\frac{1}{4}$ –1 $\frac{1}{4}$ ", hard, half-hard and soft copper tubes, Ø 10–42 mm, thin-wall copper tubes Ø 10–35 mm, pipes of the press fitting systems made of stainless steel Ø 12–42 mm, carbon steel Ø 12–35 mm, carbon steel coated Ø 12–28 mm, multi-layer composite tubes Ø 14–50 mm and others. Drive unit with maintenance-free gear and safety slipping clutch, universal motor 230 V or 110 V, 50–60 Hz, 1000 W, stepless electronic safety switch, right and left-hand rotation. Adaptor block 35–50, Support 35–50, insert bolt. In sturdy carrying case.

Art.-No. 580110

### Other voltages on request.

#### Accessories

Description	ArtNo.	
Bending formers and back formers see page 117.		
REMS Curvo 50 drive unit	580100	
Adaptor block 35–50, Support 35–50, for bending formers and back formers Ø 35 R100, Ø 42 R140, Ø 50 R135, Ø 1" R100, Ø 1¼" R140 (see page 117).	582110	
Adaptor block 10–40, Support 10–40, for bending formers and back formers REMS Curvo, REMS Akku-Curvo, REMS Sinus (see page 117).	582120	
Insert bolt	582036	
REMS bending spray, 400 ml	140120	
Carrying case with practical handles	590160	
Steel case with insert for each bending former and back former R 100 and R 135/R 140, 90°	586012	







German Quality Product





# **REMS Curvo**

Universal, compact electric tool for cold bending of pipes and tubes up to 180°. Can be used anywhere, without vice. For trade and industry. For the building site and the workshop.

•	
Hard, half-hard, soft copper tubes also thin-wall	Ø 10−35 mm Ø ¾−1¾"
Coated soft copper tubes, also thin-wall	Ø 10–18 mm
Pipes of press fitting systems made of stainless steel Carbon steel (coated)	Ø 12–28 mm Ø 12–28 mm
Soft precision steel tubes	Ø 10–28 mm
Steel pipes EN 10255 (DIN 2440)	Ø ¼–¾"
Electric conduit EN 50086	Ø 16–32 mm
Multi-layer composite tubes	Ø 14–40 mm

### REMS Curvo – wrinkle-free bending. Universal for many pipe types. Instant use without setting. Fast and creep speed operation for precise bending. Rapid change of bending and back formers.

### Universal use

For sanitary, heating, air conditioning, refrigerating and hydraulic applications. Specially suited for tubes of pressfitting systems, for hard and half-hard copper tubes and for thin-walled copper heating tubes according to EN 1057.

#### System advantage

Only one type of bending and back formers for REMS Curvo and REMS Sinus. Therefore simple, inexpensive stocking. No confusion possible.

### Cost advantage

Bender cost recovered after a small number of bends. No costs for fittings, storage, procurement. Savings in soldering joints, pressing joints and working hours. Higher safety thanks to fewer pipe joints.

### Design

Compact, handy electric tool with integral absorbtion of torque during bending. Super light, drive unit only 8 kg. Can be used anywhere, anytime. No setting. Simple, effortless, fast working, e.g. 90° bends, Ø 22 mm in only 6 s. Fast and creep speed operation for precise bending. Crossover, swan-neck, U-bends possible. Height adjustable machine support as accessory.

### Bending formers and back formers

Form and pressure resistant, in high-strength, high-slide, glass-fibre reinforced polyamide. Optimum matching of bending former and back former guarantees material-compatible gliding without cracks and creases. Angle scale 0 to 180° provided on each bending former and mark on the back former ensure precise bending Rapid change of bending formers and back formers. Bending formers and back formers for different sizes, materials and bending radii, see page 117.

#### Drive

Robust, maintenance-free gear. Final point safety in both directions through safety slipping clutch. Proven, powerful universal motor, 1000 W. Right and left-hand rotation. Stepless electronic safety switch for rapid and creep speed operation.

### **Bending lubricant**

REMS bending spray ensures a permanent lubricating film for reducing energy expenditure and uniform bending. High-pressure-proof, acid-free. CFC-free, so ozone-harmless.



German Quality Product

Tested by electrosuisse



## **REMS Curvo**



### Supply format

**REMS Curvo Set.** Electric pipe and tube bender Ø 10-40 mm, Ø  $\frac{1}{-1}$ , up to 180°. Hard, half-hard and soft copper tubes, also thin-wall  $\emptyset$  10–35 mm,  $\emptyset \%$ –1%", coated soft copper tubes, also thin-wall  $\emptyset$  10–18 mm, pipes of the press fitting systems made of stainless steel  $\emptyset$  12–28 mm, carbon steel, also coated Ø 12-28 mm, soft precision steel tubes Ø 10-28 mm, steel pipes EN 10255 Ø ' $/_{-}$ ' $/_{-}$  electric conduit EN 50086 Ø 16–32 mm, multi-layer composite tubes Ø 14–40 mm and others. Drive unit with maintenance-free gear and safety slipping clutch, universal motor 230 V or 110 V, 50-60 Hz, 1000 W, stepless electronic safety switch, right and left-hand rotation, insert bolt. Bending formers and back formers. In sturdy steel case.

Den	uniy	ionner 3	anu	Dat
-				

Description	ArtNo.	
Set 15-18-22	580026	
Set 15-18-22-28 <sup>1)</sup>	580027	
Set 15-18-22-28 <sup>2)</sup>	580035	
Set 12-15-18-22	580020	
Set 12-15-18-22-28 <sup>1)</sup>	580033	
Set 15-22-28 <sup>1)</sup>	580022	
Set 17-20-24	580023	
Set 12-14-16-18-22	580021	
Set 12-14-16-18-22-281)	580031	
Set 14-16-18-22-28 <sup>1)</sup>	580028	
Set <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>5</sup> / <sub>8</sub> - <sup>3</sup> / <sub>4</sub> - <sup>7</sup> / <sub>8</sub> "	580024	
Set 16-20-26-32	580025	
Set 16-20-25-32	580034	
Set 20-25-32	580029	
Set 32-40	580030	

**Basic-Pack** (without bending and back formers) 580010 REMS Curvo Set delivered with the smaller radius bending and back former (except Art.-No. 580029 and 580030), see page 117. <sup>1)</sup> Bending former and back former 28, <sup>3</sup>/<sub>4</sub>, R102, Art.-No. 581070, see page 117. <sup>2)</sup> Bending former and back former 28, <sup>3</sup>/<sub>4</sub>, R114, Art.-No. 581310, see page 117.

Description	ArtNo.
Bending formers and back formers see page 117.	
REMS Curvo drive unit	580000
Insert bolt	582036
REMS bending spray, 400 ml	140120
Steel case with insert	586000
Machine support 3B, height adjustable, on tripod	586100
Machine support WB, height adjustable, for mounting on work bench	586150





# **REMS Akku-Curvo**

Universal, compact electric tool for cold bending of pipes up to 180°. Can be used anywhere, without vice. For trade and industry. For the building site and the workshop.

Hard, half-hard, soft copper tubes	
also thin-wall	Ø 10–28 mm
	Ø 3⁄8-11⁄8"
Coated soft copper tubes,	
also thin-wall	Ø 10–18 mm
Pipes of press fitting systems made of	
stainless steel	Ø 12–28 mm
Carbon steel, also coated	Ø 12–28 mm
Soft precision steel tubes	Ø 10–28 mm
Steel pipes EN 10255 (DIN 2440)	Ø ¼-½"
Electric conduit EN 50086	Ø 16–25 mm
Multi-layer composite tubes	Ø 14–32 mm

### REMS Akku-Curvo Li-Ion – wrinkle-free bending of pipes. Universal for many pipe types. Ready to use immediately without setting. Fast and creep speed with immediate stop for precise bending. Quick change of bending and back formers.

### Universal use

For sanitary, heating, air conditioning, refrigerating and hydraulic applications. Mains independent. Specially suited for tubes of pressfitting systems, for hard and half-hard copper tubes and for thin-walled copper heating tubes according to EN 1057.

### System advantage

only one type of bending and back formers for REMS Akku-Curvo, REMS Curvo and REMS Sinus. Therefore simple, inexpensive stocking. No confusion possible.

#### Cost advantage

Bender cost recovered after a small number of bends. No costs for fittings, storage, procurement. Savings in soldering joints, pressing joints and working hours. Higher safety thanks to fewer pipe joints.

#### Design

Compact, handy electric tool with integral absorbtion of torque during bending. Super light, drive machine with battery pack weights only 8.6 kg. Electronic charging status check with low discharge protection. Proven D-shaped handle. Can be used anywhere, anytime. No setting. Simple, effortless, fast working, e.g. 90° bend Ø 22 mm only 7 s. Fast and creep speed with immediate stop for precise bending. Crossover, swan-neck, U-bends possible. Height adjustable machine support as accessory.

Bending formers and back formers Form and pressure resistant, in high-strength, high-slide, glass-fibre reinforced polyamide. Optimum matching of bending former and back former guarantees material-compatible gliding without cracks and creases. Angle scale 0 to 180° provided on each bending former and mark on the back former ensure precise bending Rapid change of bending formers and back formers. Bending formers and back formers for different sizes, materials and bending radii, see page 117.

#### Drive

Robust, maintenance-free gear. Final point safety in both directions through safety slipping clutch. Powerful battery motor 18 V, with large power reserve, 500 W output. Right and left-hand rotation. Stepless electronic safety switch for fast and creep speed, with immediate stop

### Li-Ion PLUS technology

Highly resistant Li-lon 18 V battery with 3.2 Ah capacity, for long service life. Powerful and light. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range - 10 to + 60 °C. No memory effect for maximum battery power. Rapid charger for short charging times.

#### **Bending lubricant**

REMS bending spray ensures a permanent lubricating film for reducing energy expenditure and uniform bending. High-pressure-proof, acid-free. CFC-free, so ozone-harmless.



German Quality Product



## **REMS Akku-Curvo**



### Supply format

**REMS Akku-Curvo Li-Ion Set.** Cordless tube bender Ø 10–32 mm, Ø  $\frac{1}{4}$ –1 $\frac{1}{6}^{\text{m}}$ , to 180°. Hard, semi-hard, soft copper pipes, also thin-walled, Ø 10–28 mm, Ø  $\frac{3}{4}$ –1 $\frac{1}{6}^{\text{m}}$ , soft jacketed copper pipes, also thin-walled, Ø 10–18 mm, pipes of the pressfitting systems made of stainless steel Ø 12–28 mm, carbon steel, also coated Ø 12–28 mm, soft precision steel pipes Ø 10–28 mm, steel pipes EN 10255 Ø  $\frac{1}{4}$ – $\frac{1}{6}^{\text{m}}$ , electrical installation pipes EN 5086 Ø 16–25 mm, multilayer composite tubes Ø 14–32 mm, among other things drive machine with D-shaped handle, maintenance-free gear with safely slipping clutch, powerful battery motor 18 V, stepless, electronic safety switch with immediate stop, right and left-hand rotation Battery Li-Ion 18 V, 3.2 Ah, rapid charger Li-Ion/Ni-Cd 230 V, 50–60 Hz, 50 W. Insert bolt. Bending and back formers. In sturdy steel case.

Description	ArtNo.
Set 15-18-22	580076
Set 15-18-22-28 <sup>1)</sup>	580077
Set 15-18-22-28 <sup>2)</sup>	580073
Set 12-15-18-22	580070
Set 12-15-18-22-28 <sup>1)</sup>	580083
Set 15-22-28 <sup>1)</sup>	580072
Set 12-14-16-18-22	580071
Set 12-14-16-18-22-281)	580081
Set 14-16-18-22-28 <sup>1)</sup>	580078
Set <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>5</sup> / <sub>8</sub> - <sup>3</sup> / <sub>4</sub> - <sup>7</sup> / <sub>8</sub> "	580074
Set 16-20-26-32	580075
Set 16-20-25-32	580084
Set 20-25-32	580079
	500040

**Basic-Pack** (without bending and back formers) 580012 REMS Akku-Curvo Set delivered with the smaller radius bending and back former

(except Art.-No. 580079), see page 117.
 <sup>1)</sup> Bending former and back former 28, <sup>3</sup>/<sub>4</sub>, R102, Art.-No. 581070, see page 117.
 <sup>2)</sup> Bending former and back former 28, <sup>3</sup>/<sub>4</sub>, R114, Art.-No. 581310, see page 117.

Description	ArtNo.	
Bending formers and back formers see page 117.		
REMS Akku-Curvo Li-Ion drive unit, without battery	580002	
Battery Li-Ion 18 V, 3.2 Ah	565225	
Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W	571560	
Insert bolt	582036	
REMS bending spray, 400 ml	140120	
Steel case with inlay	586015	
Machine support 3B, height adjustable, on tripod	586100	
Machine support WB, height adjustable, for mounting on work bench	586150	







# **REMS Sinus**

Hand tube bender

Universal, robust hand tool for cold bending up to 180°. Can be used anywhere. For trade and industry. For the building site and the workshop.

Hard, half-hard, soft copper tubes, also thin-wall	Ø 10−22 mm Ø ℁−7‰"
Coated soft copper tubes, also thin-wall	Ø 10–18 mm
Pipes of press fitting systems made of stainless steel, carbon steel (coated) Carbon steel	Ø 12–18 mm Ø 12–22 mm
Soft precision steel tubes	Ø 10-20 mm
Electric conduit EN 50086	Ø 16–20 mm
Multi-layer composite tubes	Ø 14 – 32 mm

### **REMS Sinus – wrinkle-free bending.**

Universal for many tubes. Easy bending through long lever arms. Selectable lever positioning ensures optimum bending position and power transmission. Only one type of bending and back formers for REMS Sinus and REMS Curvo.

### Universal use

For sanitary, heating, air conditioning, refrigerating and hydraulic applications. Specially suited for tubes of pressfitting systems, for hard and half-hard copper tubes and for thin-walled copper heating tubes according to EN 1057.

### System advantage

Only one type of bending and back formers for REMS Sinus and REMS Curvo. Therefore simple, inexpensive stocking. No confusion possible.

### Cost advantage

Bender cost recovered after a small number of bends. No costs for fittings, storage, procurement. Savings in soldering joints, pressing joints and working hours. Higher safety thanks to fewer pipe joints.

### Design

Compact, handy unit of bender drive and bending tools. Can be used anywhere, in parallel vice or free hand as double-hand-bender. Easy bending through long lever arms. Selectable lever positioning ensures optimum bending position and power transmission. Robust design, bender drive in hardened steel for high stress conditions. Simple and rapid changing of bending and back formers. Crossover, swan-neck and U-bends possible.

### Bending formers and back formers

For different pipe sizes, materials and bending radii, see page 117.

### **Bending lubricant**

REMS bending spray ensures a permanent lubricating film for reducing energy expenditure and for uniform bending. High-pressure-proof, acid-free. CFC-free, so ozone-harmless.

### Supply format

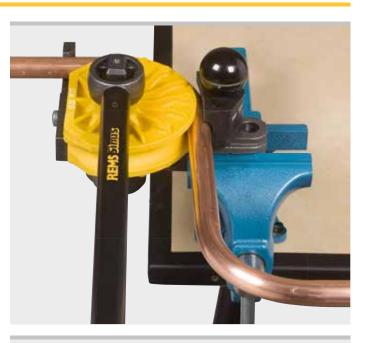
**REMS Sinus Set.** Hand tube bender Ø 10–32 mm, Ø  $\frac{3}{6}-\frac{7}{6}$ ", up to 180°. Hard, half-hard, soft copper tubes, also thin-wall Ø 10–22 mm, Ø  $\frac{3}{6}-\frac{7}{6}$ ", coated soft copper tubes, also thin-wall Ø 10–18 mm, pipes of the press fitting systems made of stainless steel, carbon steel (coated) Ø 12–18 mm, soft precision steel tubes Ø 10–22 mm, soft precision steel tubes, Ø 10–20 mm, electric conduit EN 50086, Ø 16–20 mm, multi-layer composite tubes Ø 14–32 mm and others. Bender drive, insert bolt. Bending formers and back formers. REMS bending spray. In sturdy steel case.

Description	ArtNo.	
Set 15-18-22	154001	
Set 14-16-18	154002	
Set 12-15-18-22	154003	
Set 10-12-14-16-18-22	154004	
Basic-Pack		

(without bending and back formers and bending spray) 154010 REMS Sinus Set is delivered with bending formers and back formers of the smaller radius, see page 117.

#### Accessories

Description	ArtNo.
Bending and back formers see page 117.	
Insert bolt	582036
REMS Curvo drive unit	580000
REMS Sinus bender drive	154000
REMS bending spray, 400 ml	140120
Steel case with inlay	154160





#### German Quality Product





## **Bending formers and back formers**

Accessories for REMS Curvo 50, REMS Curvo and REMS Sinus

Bending formers and back formers, 180°, form and pressure resistant, in high-strength, high-slide, glass-fibre reinforced polyamide 90° (Ø 35 R 100, Ø 42 R 140, Ø 50 R 135, Ø 1" R 100, Ø 1½" R 140). Optimum matching of bending former and back former guarantees material-compatible gliding without cracks and creases. Angle scale provided on each bending former and mark on the back former ensure precise bending. Rapid change of bending formers and back formers.

				(	Cu			Cu	I-U		s	t 1(	021	7	St	10	305	-U	s	5t 1	030	)5	s	t 1(	025	5	S	t 50	008	6		١	/			
Bending former and back former for pipes Ø mm/inch O.D.	R mm	X	REMS Sinus	REMS CURVO	REMS Akku-Curvo	REMS Curvo 50	REMS Sinus	REMS Curvo	<b>REMS Akku-Curvo</b>	REMS Curvo 50	REMS Sinus	REMS Curvo	REMS Akku-Curvo	REMS Curvo 50	REMS Sinus	REMS Curvo	REMS Akku-Curvo	REMS Curvo 50	REMS Sinus	REMS Curvo	REMS Akku-Curvo	REMS Curvo 50	REMS Sinus	REMS Curvo	REMS Akku-Curvo	REMS Curvo 50	REMS Sinus	REMS Curvo	REMS Akku-Curvo	REMS Curvo 50	REMS Sinus	REMS Curvo	<b>REMS Akku-Curvo</b>	REMS Curvo 50	ArtNo.	
10	40	45	•	•	•	•2	,												•	•	•	• <sup>2)</sup>											-		581400	
12	45	49				• 2	,				•	•	•	• 2)								• 2)													581410	
14, 10 U, ¼ (DN 6)	50	53	•			• 2	•	•	•	• 2)	-	-	-	-				-	•	•	•	• 2)		•	•	•2)					•	•	•	•2)	581420	
15, 12 U	55	56				• 2	-	-	•	-			•	• 2)		•	•	2)		•	•	• 2)		-	-					-	-		-		581430	
16, 12 U	60	62	•			•	•	•	•	• 2)	•	•	•		-	•	-	-		•	•	• 2)		-			•	•	•	2)	•		•	• 2)	581440	
17, 15 U	56	60		-	-			•	•	•=/					•	•	•	• 2)	•	•	•	•		_			•	-	-	•-/	•			-2)	581110	
18, 14 U, 15 U, ¾ (DN 10)	70	75				• 2				2)		•	•	<b>2</b> )	•	•	•	• 2)	•			• <sup>2)</sup>		•	•	• 2)					•	-	•	•2) •2)	581450	
,	70	75 80	•			• *	•	•	•	• 2)	•	•	•	• * )				• *	•	•	•	• 2)		•	•	<b>●</b> <sup>2</sup> )		-		• 20	•	•	•	• <sup>2)</sup>		
20, 16 U, 18 U	75 77		•	•	•	•2	•	•	•	• 2)				• *	•	•	•	•2)		•						- 21	•	•	•	•2)	•	-	•	•2)	581080	
22, 18 U, ½ (DN 15)		81	٠	•	•	•2	•	•	•	•2)		•	٠	• <sup>2)</sup>		_		-	٠	-	٠	• <sup>2)</sup>		٠	•	2)				_	_		-		581460	
22, 18 U, ½ (DN 15)	88	91	-	•	•	•2		•	•	•2)		•	•	• 2)				-		•	•	• 2)		_		-	_	_					_		581470	
24, 22 U	75	85		•	•	•2	•									٠	٠	•2)						_		_		_			_		_		581130	
25	98	103	_	•	•	•2												_		٠	٠	• 2)		_		_		•	•	• 2)	•	•	٠	•2)	581180	
26	98	108																		•	٠	• 2)		_		_	_				٠	٠	٠	•2)	581270	
28, ¾ (DN 20)	1021)	108		٠	•	• <sup>2</sup>						٠	٠	• <sup>2)</sup>										٠		● <sup>2)</sup>									581070	
28, ¾ (DN 20)	102	110										٠	٠	•2)						٠	٠	• <sup>2)</sup>		٠		● <sup>2)</sup>									581260	
28, ¾ (DN 20)	114	120		•	•	•²						٠	٠	• <sup>2)</sup>						٠	•	• <sup>2)</sup>		٠		● <sup>2)</sup>									581310	
30, 28 U	98 <sup>1)</sup>	105		•		● <sup>2</sup>										•	•	• 2)																	581150	
32	98	110																													•	•	٠	•2)	581280	
32	114	121		•		•2																						•		٠		٠	٠	•2)	581320	
35	100	105		Г	Т	•3	•							• 3)								• 3)													581500	
35	140	150		•	Г	•2																													581350	
40	140	148																														٠		•2)	581330	
42	140	155		Г		•3								• 3)								• 3)													581510	
50	135	143																																•3)	581540	
¾" (9,5 mm)	43	48	•	•	•	•2																1													581200	
1⁄2" (12,7 mm)	52	60	•	•	•	•2	,																												581210	
5%" (15,9 mm)	63	70	•	•		•2												-																	581220	
<sup>3</sup> / <sub>4</sub> " (19,1 mm)	75	82	•			•2																													581230	
7∕₃" (22,2 mm)	98	107																												-					581240	
1" (33,7 mm)	100	105		Ĺ																						•3)									581520	
1" (25,4 mm)	100	112			•	•2												-												-			-		581370	
1 <sup>1</sup> / <sub>8</sub> " (28,6 mm)	101	110		•		•=	-					•	•	• 2)						•	•	• 2)		•		•2)									581260	<u> </u>
1½" (28,6 mm)	115	117											-					-		-	-					• "							-		581200	
1¼" (31,8 mm)	114	123		-		•2	-																												581320	
	_			•		-	-											-															-			
1¼" (31,8 mm)	133	145		•	-	• <sup>2</sup>	,			_								-															-		581390	
1¼" (42,4 mm)	140	150																-								• <sup>3)</sup>							-		581530	
1¾" (34,9 mm)	140	150		•		•2																													581350	

 
 R mm
 Bending radius mm at the neutral axis of the bend (DVGW GW 392)

 X mm
 Correction dimension mm

 0
 According to DVGW work sheet GW 392 minimum bending radius of 114 mm required for copper tubes Ø 28 mm. Wall thickness ≥ 0,9 mm

 2
 Adaptor block 10-40, support 10-40 (Art.-No. 582120) necessary.

 3
 Adaptor block 35-50, support 35-50 (Art.-No. 582120) necessary.

 Cu:
 hard, half-hard, soft copper tubes, also thin-wall, EN 1057

 St 10305-U:
 coated carbon steel pipes of the pressfitting systems EN 10217-7 (DIN 2463)

 St 10305-U:
 coated carbon steel pipes for thoressiftiting systems EN 10305-3 (DIN 2394)

 St 1025:
 Steel pipes (threaded pipes) EN 10305-3 (DIN 2394)

 St 50086:
 Electrical installation pipes DIN EN 50086

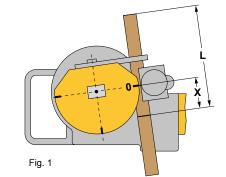
 U:
 coated

 V:
 multi-layer composite tubes of pressfitting systems

#### Bending to size

If a bend is required at a certain point on the pipe, a length correction must be made to suit the pipe size. For a 90° bend, the correction dimension X given in Fig. 1 must be taken into account. The set dimension L must be reduced by the amount X here. If, e.g., the dimension L for pipe size 22 is 400 mm and a bend with a bending radius of 77 mm is to be made, the dimension line should be marked on the pipe at 319 mm. This line is then – as shown in Fig. 1 – to be aligned with the 0-mark on the bending former.

No cracks or wrinkles shall occur during professional cold bending. Pipe qualities and sizes which do not guarantee this are not suited to be bent with REMS Sinus, REMS Curvo, REMS Curvo 50 and REMS Akku-Curvo.





## **Radial Press Jointing**

A	Cordless radial press Mini	121
	Pressing tongs Mini	122
-	Cropping tongs Mini	135
Sile	Manual radial press	136
	Electric radial press	137
	Electro-hydraulic radial presses	138
$\checkmark$	Cordless radial presses	140
20	Pressing tongs / pressing rings	142
BTGA CO suissetec	Hold-Harmless and Indemnification Agreement	160
	Cropping tongs	161
	Cable shears	161

# 2.8 million!

000

0.0

REMS

REMS

REMS will have produced more than 2.8 million pressing tongs by the end of 2014. This success confirms the leading role of REMS in press-jointing technology.

# **REMS Mini-Press ACC**

Universal, super handy electric tool with automatic circuit control for producing pipe pressing joints for all common pressfitting systems. For battery and corded operation.

Pipe pressing joints
----------------------

ts	Ø 10–40 mm
	Ø 3/8-11/4

Complete range of REMS pressing tongs Mini for all common pressfitting systems, see page 122–134.

### REMS Mini-Press ACC Li-lon – universal up to Ø 40 mm. Super light, super small, super handy. With automatic circuit control. Secure crimping in

seconds. Automatic locking of the pressing tongs.

### Pressing tongs for all common systems

Complete assortment of REMS pressing tongs Mini for all common pressfitting systems (page 122–134). High-compression pressing tongs in forged and specially hardened steel. Pressing contours of REMS pressing tongs are system-specific and correspond to the respective pressfitting system. Thus perfect system-conformity, safe press jointing.

Very compact design and low weight of the REMS Mini pressing tongs due to special arrangement of the pressing tongs connection (Patent EP 1 952 948). Recesses in the pressing jaws for safe guidance of the connecting plate for offset-free pressing (Patent EP 2 347 862).

### Design

Super light, super small, super handy. Drive unit with battery only 2.4 kg. Drive unit with pressing tongs V22 only 33 cm long. Works anywhere, free-hand, overhead, also in particularly tight areas. Optimum weight distribution for single-hand operation. Ergonomically designed housing. Integrated LED work light for illuminating the work place. Swivelling pressing tongs seat. Secure seating of pressing tongs by automatic locking. For battery and corded operation. Electronic charging status check with flat battery protection and charging status indicator with 2-coloured LED.

### Pressing operation by touch-control with ACC

For reliable service, operating and functional safety. Automatic retraction after completion of pressing operation (automatic circuit control).

#### Drive

Enormous thrust and pressing force for fast and perfect press jointing. Powerful electro-hydraulic drive with powerful battery motor 14,4 V, 380 W output, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch.

### Battery or mains operation

Li-lon PLUS technology. Highly resistant Li-lon 14.4 V battery with 1.6 or 3.2 Ah capacity for long service life. Powerful and light. Li-lon 14.4 V, 3.2 Ah battery for approx. 330 pressings Viega Profipress DN 15 per battery charge. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range –10 to +60 °C. No memory effect for maximum battery power. Rapid charger for short charging times. Li-lon 230 V voltage supply for mains operation instead of Li-lon battery 14.4 V, as accessory.

### Supply format

**REMS Mini-Press ACC Li-Ion Basic-Pack.** Cordless radial press with automatic circuit control for producing pipe pressing joints Ø 10–40 mm, Ø %–11/4". For operating with REMS pressing tongs Mini. Swivelling pressing tongs seat with automatic locking. Electro-hydraulic drive with powerful battery motor 14,4 V, 380 W, obust planetary gear, eccentric reciprocating pump and compact high power hydraulic system, Safety tip switch. Integrated LED work light. Battery Li-Ion 14,4 V, 1,6 Ah, rapid charger Li-Ion/Ni-Cd 230 V or 110 V, 50–60 Hz, 65 W. In sturdy steel case.

ArtNo.
578012

### Other voltages on request.

#### Accessories

Description	ArtNo.
REMS pressing tongs Mini see page 122-134.	
REMS cropping tongs Mini for threaded rods see page	135.
REMS Mini-Press ACC Li-Ion drive unit, without battery	578001
Battery Li-Ion 14.4 V, 1.6 Ah	571545
Battery Li-Ion 14.4 V, 3.2 Ah	571555
Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W	571560
Voltage supply Li-lon 230 V for mains operation instead of battery Li-lon 14.4 V.	571565
Steel case with inlay	578290
REMS cordless LED lamp see page 97	175200







German Quality Product

LED)

Tested by electrosuisse 📎





### Accessories for REMS Mini-Press ACC

### for all common pressfitting systems

German Quality Product

Patent EP 1 952 948 Patent EP 2 347 862



## **REMS pressing tongs Mini/**

REMS pressing rings Very compact design and low weight of the REMS Mini pressing tongs due to special arrangement of the pressing tongs connection (Patent EP 1 952 948). Recesses in the pressing jaws for safe guidance of the connecting plate for offset-free pressing (Patent EP 2 347 862).

High-compression pressing tongs/pressing rings in forged and specially hardened steel. Pressing contours of REMS pressing tongs/pressing rings are system-specific and correspond with the respective pressfitting system. Thus perfect system-conformity, safe press jointing. Pressing jaws of pressing tongs/pressing rings manufactured on CNC production centres ensure high-precision machining of pressing contour. Hence far closer tolerances compared to as cast pressing contour.

Drive through REMS Mini-Press ACC drive unit. Read and follow the installation and assembly instructions of the system provider/ manufacturer.

## Select pressing tongs Mini/ pressing rings yourself! Search for the required pressfitting system in the opposite table and

select the correct pressing tongs size/pressing rings size. Please note that pressfitting systems for gas installation may only be pressed with the REMS pressing tongs Mini/pressing rings which are highlighted in yellow in the table.

### Traceability according to EN 1775:2007

REMS pressing tongs Mini with pressing contour F, M, V, SA, B, RN and UP have worked a specific marking into the pressing contour which leaves a lasting impression on the pressed fitting after the pressing process. This enables the user to check again whether the most suitable pressing tongs have been used to make the pressfit connection even after the pressing process.

With this traceability REMS fulfils the recommendations of the Europear
standard EN 1775:2007 for the installation of pressfitting systems for gas.

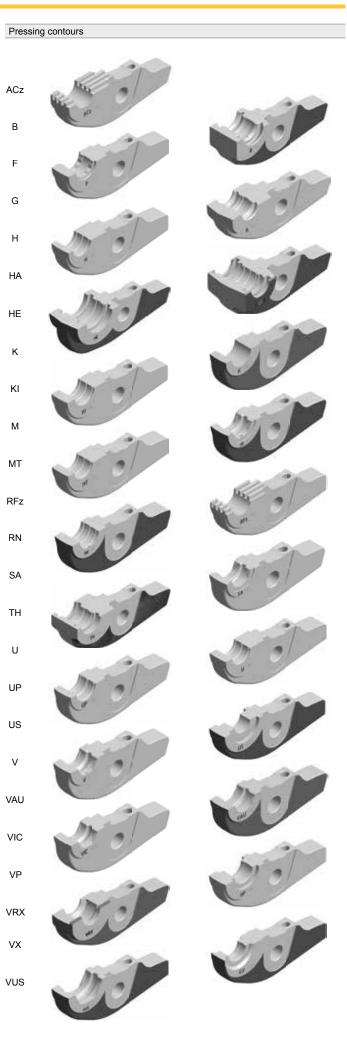


Example REMS pressing tongs Mini V: "V" imprint on pressed fitting for traceability according to EN 1775:2007

#### Hold-Harmless and Indemnification Agreement See page 160. Confirmation of suitability See page 159.







System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
AC-FIX PRESS	H 12	578396	APE Serie AP	B 16	578468	BRASELI	U 16	578374
Global Piping	H 16	578400		B 20	578472	Pressfitting	U 18	578376
				B 26	578474	Multicapa	U 20	578378
ystems)	H 20	578406		B 32	578476		U 25	578380
	H 25	578408		H 16	578400		U 32	578382
	H 32	578412		H 20	578406		U 40	578386
	RFz 12	578490		H 26	578410	Brass Form	H 16	578400
	RFz 16	578492		H 32	578412	Press Form	H 18	578400
	RFz 20	578494		TH 16	578352			
						Pex	H 20	578406
	RFz 25	578496		TH 18	578356		TH 16	578352
	RFz 32	578498		TH 20	578358		TH 18	578356
	U 16	578374		TH 26	578362		TH 20	578358
	U 20	578378		TH 32	578364		U 16	578374
				U 16	578374		U 18	578376
	U 25	578380		U 20	578378		U 20	578378
	U 32	578382		U 40	578386	Brass Form	H 16	578400
	VX 16	578552	APE Serie AP	TH 16	578352	Press Form	H 18	578404
	VX 20	578554	Gas	TH 20	578358	Pex-Al-Pex	H 20	578406
AC-FIX	H 16	578400		TH 26	578362		TH 16	578352
RESS-MULTI	H 18	578404		TH 32	578364		TH 18	578356
			ASTM F 1807	US %"	578534		TH 20	578358
Global Piping	H 20	578406	(Fittings with	US ½"	578536		U 16	578374
Systems)	H 25	578408	Copper Crimp	US ¾"	578538			
	H 32	578412	Ring for PEX	US 1"	578540		U 18	578376
	RFz 16	578492	tubing)		570040	<b>D</b>	U 20	578378
	RFz 20	578494	Bampi BALPEX	TH 14	578348	Brass & Fittings	RFz 16	578492
			(serie MP)	TH 14 TH 16	578352	Pressman	RFz 18	578638
	RFz 25	578496	(Selle MP)			Multicapa	ACz 20	578612
	RFz 32	578498		TH 18	578356		RFz 25	578496
	U 16	578374		TH 20	578358		RFz 32	578498
	U 18	578376		TH 26	578362	Brass & Fittings	RFz 16	578492
	U 20	578378		TH 32	578364	Retipress	RFz 18	578638
				TH 40	578624		ACz 20	578612
	U 25	578380	Bampi BALPEX	TH 16	578352		RFz 25	578496
	U 32	578382	Gas	TH 20	578358		RFz 32	578498
ACOME MT	ACz 12	578608		TH 26	578362	BRASSTECH	H 16	578400
	ACz 16	578610	BARBI	H 12	578396		H 18	578400 578404
			EASYPRESS	H 16	578400	MULTItermoSAN		
	ACz 20	578612	(Industrial Blansol		578406	Brasspress	H 20	578406
	ACz 25	578614	,	H 25	578408		H 26	578410
AHLSELL	M 12	578310		H 32	578412		TH 16	578352
A-press	M 15	578312		RFz 12	578490		TH 18	578356
elförzinkad	M 18	578314		RFz 16	578492		TH 20	578358
SIIUIZIIIKau							TH 26	578362
	M 22	578316		RFz 20	578494		TH 32	578364
	M 28	578318		RFz 25	578496		TH 40	578624
AHLSELL	V 12	578324		RFz 32	578498		U 16	578374
A-press koppar	V 15	578328		U 16	578374		U 18	578376
	V 18	578332		U 20	578378		U 20	578378
				U 25	578380	Ducinese Key	M 15	
	V 22	578334		U 32	578382	Business Key		578312
	V 28	578336	BARBI	H 14	578398	MT-PRESS	M 18	578314
	V 35	578604	MULTIPEX	H 16	578400	(inox)	M 22	578316
AHLSELL	M 15	578312	(Industrial Blansol	) H 18	578404		M 28	578318
A-press rostfritt	M 13 M 18	578314	,	H 20	578406		M 35	578390
คาตออ เบอแทน				H 25	578408	Cello Products	VUS 1/2" (OD 15,9 mm)	578566
	M 22	578316		H 26	578410	<b>Press</b>	VUS 3/4" (OD 22,2 mm)	578568
	M 28	578318		H 32	578412		VUS 1" (OD 28,6 mm)	578570
AIRBEL	M 12	578310		п 32 RFz 16	578492		VUS 11/4" (OD 34,9 mm)	578606
PRESSCLIM	M 15	578312		RFZ 16 RFz 18	578638	Climatek	TH 14	578348
		578314				Clima Therm	TH 16	578352
	M 18			RFz 20	578494		TH 18	578356
	M 22	578316		RFz 25	578496		TH 20	578358
	M 28	578318		RFz 32	578498		TH 20 TH 26	578362
AIRBEL	M 12	578310		TH 16	578352			578362 578364
SERTINOX	M 15	578312		TH 18	578356	Clau0-t D	TH 32	
				TH 20	578358	ClouSet Press	TH 14	578348
	M 18	578314		TH 25	578360		TH 16	578352
	M 22	578316		TH 26	578362		TH 18	578356
	M 28	578318		TH 32	578364		TH 20	578358
ALB	TH 16	578352		TH 40	578624		TH 26	578362
Sistema Multicapa		578356		U 16	578374	Comap	V 12	578324
ластна минисара				U 18	578376	Sudopress Cu	V 14	578326
	TH 20	578358		U 20	578378	Visu-Control	V 15	578328
	TH 26	578362		U 25	578380		V 16	578330
	TH 32	578364					V 18	578332
	H 16	578400		U 32	578382		V 22	578334
			DE0-7-15-1	U 40	578386			
	H 18	578404	BEGETUBE/	B 14	578466		V 28	578336
	H 20	578406	IVAR	B 16	578468		V 35	578604
	H 26	578410		B 18	578470	Comap	V 12	578324
	H 32	578412		B 20	578472	Sudopress Cu	V 14	578326
				B 26	578474	Visu-Control	V 15	578328
	U 16	578374		B 32	578476	Gas	V 16	578330
	U 18	578376	BRASELI			040	V 18	578332
	U 20	578378		RFz 16	578492			
	C 26	578392	Pressfitting PE-X	RFz 20	578494		V 22	578334
	0 20	510392		RFz 25	578496		V 28	578336
	U 32	578382		RFz 32	578498		V 35	578604

Pressfitting systems for gas installations must only be pressed with REMS pressing tongs Mini/pressing rings which are highlighted in yellow. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw. <sup>2)</sup> For taking suitable pressing inserts.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 134.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

Pressing tongs for additional pressfitting systems on request.

### Accessories for REMS Mini-Press ACC

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
omap	V 12	578324	•	TH 16	578352	F.B.Q. BARONIO	V 12	578324
udopress Cu	V 12 V 14	578326	egeda Comisa	TH 10 TH 20	578358	BQ press	V 12 V 14	578326
						DQ picaa	V 15	578328
su-Control	V 15	578328		TH 26	578362		V 16	578330
blar	V 16	578330		TH 32	578364		V 18	578332
	V 18	578332	and D i	TH 40	578624		V 22	578334
	V 22	578334	egeda Baronio	V 12	578324		V 28	578336
	V 28	578336		V 15	578328		V 35	578604
	V 35	578604		V 18	578332		V 12 45° (PR-2B)3)	574502
omap	RFz 12	578490		V 22	578334		V 15 45° (PR-2B) <sup>3)</sup>	574504
EXPress	RFz 16	578492		V 28	578336		V 18 45° (PR-2B)3)	574506
	RFz 20	578494		V 35	578604		V 22 45° (PR-2B) <sup>3)</sup>	574508
	RFz 25	578496		V 12 45° (PR-2B) <sup>3)</sup>	574502		V 28 45° (PR-2B)3)	574510
omap	TH 14	578348		V 15 45° (PR-2B) <sup>3)</sup>	574504		V 35 45° (PR-2B) <sup>3)</sup>	574512
KINPress	TH 16	578352		V 18 45° (PR-2B) <sup>3)</sup>	574506	F.B.Q. BARONIO	V 15	578328
su-Control	TH 18	578356		V 22 45° (PR-2B) <sup>3)</sup>	574508	BQ press	V 18	578332
	TH 20	578358		V 28 45° (PR-2B)3)	574510	carbon steel	V 22	578334
	TH 26	578362		V 35 45° (PR-2B) <sup>3)</sup>	574512		V 28	578336
	THL 32	578368	Elkhart	VUS 1/2" (OD 15,9 mm)	578566		V 35	578604
	TH 40	578624	APOLLOXPRESS		578568		V 15 45° (PR-2B) <sup>3)</sup>	574504
omap	TH 16	578352	Fittings Copper	VUS 1" (OD 28,6 mm)	578570		V 18 45° (PR-2B) <sup>3)</sup>	574506
KINPress	TH 20	578358	and Low-Lead	VUS 11/4" (OD 34,9 mm)	578606		V 22 45° (PR-2B) <sup>3)</sup>	574508
			Brass				V 28 45° (PR-2B) <sup>3)</sup>	574510
su-Control Gas	TH 26	578362	EMMETI	B 16	578468		V 35 45° (PR-2B) <sup>3)</sup>	574512
	THL 32	578368		B 10 B 20	578472	F.B.Q. BARONIO	V 15	578328
OMISA	TH 14	578348	GERPEX-			BQ press gas	V 18	578332
ess System	TH 16	578352	FIVPRESS	B 26	578474		V 22	578334
	TH 18	578356		B 32	578476		V 28	578336
	TH 20	578358		F 16	578456		V 35	578604
	TH 25	578360		F 20	578460		V 15 45° (PR-2B) <sup>3)</sup>	574504
	TH 26	578362		H 16	578400		V 18 45° (PR-2B) <sup>3)</sup>	574506
	TH 32	578364		H 20	578406		V 22 45° (PR-2B) <sup>3)</sup>	574508
	TH 32 TH 40	578624		TH 16	578352		V 28 45° (PR-2B) <sup>3)</sup>	574510
				TH 20	578358		V 35 45° (PR-2B) <sup>3)</sup>	574512
	H 14	578398		TH 26	578362	FELSINEA TECH	TH 14	578348
	H 16	578400		TH 32	578364	Felsineapress	TH 16	578352
	H 18	578404		TH 32 TH 40	578624		TH 18	578356
	H 20	578406		U 16	578374		TH 20	578358
	H 26	578410		U 16 U 20	578374 578378		TH 26	578362
	H 32	578412	EMPUR				TH 32	578364
	B 14	578466	EMPUR	TH 14	578348		TH 40	578624
	B 16	578468		TH 15	578350	Fercofloor	RFz 16	578492
	B 18	578470		TH 16	578352	DUO Press	RFz 20	578494
	B 20	578472		TH 17	578354	FERCO PEX	RFz 25	578496
	B 26	578474		TH 20	578358		RFz 32	578498
				TH 25	578360	Fercofloor	RFz 16	578492
	B 32	578476	EURACCORDI	M 15	578312	DUO Press	RFz 20	578494
OMISA	TH 16	578352	SYCPRESS	M 18	578314	MULTIFER	RFz 25	578496
ess System Gas		578358	STAINLESS	M 22	578316		RFz 32	578498
	TH 26	578362	STEEL PRESS	M 28	578318		U 16	578374
	TH 32	578364					U 18	578376
ONEL	F 16	578456	FITTINGS	M 35	578390		U 20	578378
ONNECT	F 20	578460		M 15 45° (PR-2B) <sup>3)</sup>	574522		U 25	578380
JLTI	F 26	578462		M 18 45° (PR-2B) <sup>3)</sup>	574524		U 32	578382
0211	F 32	578464		M 22 45° (PR-2B) <sup>3)</sup>	574526	FILTUBE	M 15	578312
	H 16	578400		M 28 45° (PR-2B) <sup>3)</sup>	574528	Instalpress	M 18	578314
				M 35 45° (PR-2B) <sup>3)</sup>	574530	Carbon Steel	M 22	578316
	H 20	578406	EURACCORDI	M 15	578312		M 28	578318
	H 26	578410	SYCPRESS	M 18	578314		M 35	578390
	H 32	578412	CARBON STEEL	M 22	578316		M 15 45° (PR-2B)3)	574522
	TH 16	578352	PRESS FITTINGS		578318		M 18 45° (PR-2B) <sup>3)</sup>	574524
	TH 20	578358		M 35	578390		M 22 45° (PR-2B) <sup>3)</sup>	574526
	TH 26	578362		M 15 45° (PR-2B) <sup>3)</sup>	574522		M 28 45° (PR-2B) <sup>3)</sup>	574528
	TH 32	578364		M 18 45° (PR-2B) <sup>3</sup>			M 35 45° (PR-2B) <sup>3)</sup>	574530
	U 16	578374		· · ·	574524 574526	FILTUBE	M 15	578312
	U 20	578378		M 22 45° (PR-2B) <sup>3</sup>		Instalpress	M 18	578314
(NW 26)		578380		M 28 45° (PR-2B) <sup>3</sup>	574528	Copper	M 22	578316
(1999 20)				M 35 45° (PR-2B) <sup>3)</sup>	574530		M 28	578318
	U 32	578382	EUROTUBI	M 12	578310		M 35	578390
	VP 16	578482		M 15	578312		M 15 45° (PR-2B) <sup>3)</sup>	574522
	VP 20	578484	PRESSFITTING	M 18	578314		M 18 45° (PR-2B) <sup>3)</sup>	574524
	VP 32	578488	SISTEM <sup>1)</sup>	M 22	578316		M 22 45° (PR-2B) <sup>3)</sup>	574526
WAsystems	TH 14	578348		M 28	578318		M 28 45° (PR-2B) <sup>3)</sup>	574528
	TH 16	578352	EUROTUBI	M 15	578312		M 35 45° (PR-2B) <sup>3)</sup>	574530
	TH 20	578358	Europa INOX	M 18	578314	FILTUBE	M 15	578312
	TH 26	578362	PRESSFITTING	M 22	578316	Instalpress	M 18	578314
	TH 32	578364	SISTEM <sup>1)</sup>	M 28	578318	Inox	M 22	578316
	TH 40	578624	FAR Rubinetterie		578348		M 28	578318
V Verbundrohr	U 16	578374	PRESSFAR	TH 14 TH 16	578352		M 35	578390
Ititubo systems		578376	LUE99LAK				M 15 45° (PR-2B)3)	574522
and a systems	U 20	578378		TH 17	578354		M 18 45° (PR-2B) <sup>3)</sup>	574524
				TH 18	578356		M 22 45° (PR-2B) <sup>3)</sup>	574526
	U 25	578380		TH 20	578358		M 28 45° (PR-2B) <sup>3)</sup>	574528
	U 32	578382		TH 25	578360		M 35 45° (PR-2B)3)	574530
RILLE	U 16	578374		TH 26	578362	Fittings Estándar	RFz 16	578492
monflex	U 18	578376		TH 32	578364	ECO-PRESS	RFz 20	578494
	U 20	578378		TH 40	578624		RFz 25	578496
	U 25	578380		H 14	578398		RFz 32	578498
	H 26	578410				Fittings Estándar	RFz 16	578492
				H 16	578400	MULTICAPA	RF2 16 RFz 18	578638
	TH 26	578362		H 18	578404	MOLITOAPA		
	U 32	578382		H 20	578406		RFz 20	578494 578496
RILLE	U 14	578372		H 26	578410		RFz 25	578496
onflex	U 16	578374		H 32	578412		RFz 32	578498
	U 18	578376		U 14	578372	Fittings Estándar	RFz 16	578492
	U 20	578378		U 16	578374	PE-X	RFz 20	578494
							RFz 25	578496
	U 25	578380		U 18	578376		RFz 32	578498
	H 26	578410		U 20	578378	FOHS	TH 16	578352
	111.00	578362		U 25	578380	HEIZTECHNIK	TH 20	578358
	TH 26							
	U 32	578382		U 32	578382	FOHSPRESS	TH 26	578362

	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
FORNARA	B 16	578468	FRABO	V 15	578328	Geberit Mapress	M 15	578312
ForPress	B 20	578472	SOLARPRESS	V 18	578332	EDELSTAHL Gas	M 18	578314
	B 26	578474		V 22	578334		M 22	578316
	B 32	578476		V 28	578336		M 28	578318
	F 16	578456		V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup>	574504 574506	Osh srit Marras	M 35	578390
	F 20	578460		V 18 45 (PR-2B) <sup>3</sup>	574508	Geberit Mapress KUPFER	M 12 M 15	578310 578312
	F 26 F 32	578462		V 28 45° (PR-2B) <sup>3)</sup>	574510	KUFFER	M 18	578314
	F 32 H 16	578464 578400	Fränkische	B 16	578468		M 22	578316
	H 20	578406	alpex-duo	B 18	578470		M 28	578318
	H 26	578410		B 20	578472		M 35	578390
	H 32	578412		B 26	578474		M 12 45° (PR-2B)3)	574520
	TH 16	578352		B 32	578476		M 15 45° (PR-2B)3)	574522
	TH 20	578358		F 16 F 18	578456		M 18 45° (PR-2B) <sup>3)</sup>	574524
	TH 26	578362		F 20	578458 578460		M 22 45° (PR-2B) <sup>3)</sup>	574526
	TH 32	578364		F 26	578462		M 28 45° (PR-2B) <sup>3</sup>	574528
	U 16	578374		F 32	578464	Osh srit Manager	M 35 45° (PR-2B) <sup>3)</sup>	574530
	U 20	578378		TH 16	578352	Geberit Mapress KUPFER Gas	M 15 M 18	578312 578314
	U 32	578382		TH 18	578356	ROFT EN Gas	M 22	578316
FRABO FRABOPRESS	V 12	578324		TH 20	578358		M 28	578318
	V 15 V 18	578328 578332		TH 26	578362		M 35	578390
RAME (Cu)	V 18 V 22	578334		TH 32	578364	Geberit Mepla	G 16	578444
	V 22 V 28	578336	Fränkische alpex F50 PROFI	F 16 F 20	578456 578460		G 20	578446
	V 35	578604	aipex FOU PROFI	F 20 F 26	578460 578462		G 26	578448
	V 12 45° (PR-2B) <sup>3)</sup>	574502		F 32	578464		G 32	578450
	V 15 45° (PR-2B) <sup>3)</sup>	574504		H 16	578400	-	G 40	578452
	V 18 45° (PR-2B) <sup>3)</sup>	574506		H 20	578406	General Fittings	TH 16	578352
	V 22 45° (PR-2B) <sup>3)</sup>	574508		H 26	578410	Serie 5G00 Triden		578358
	V 28 45° (PR-2B) <sup>3)</sup>	574510		H 32	578412		TH 26	578362
	V 35 45° (PR-2B) <sup>3)</sup>	574512		TH 16	578352		TH 32 H 16	578364 578400
FRABO	V 12	578324		TH 20	578358		H 20	578406
FRABOPRESS	V 15	578328		TH 26	578362		H 26	578410
RAME (Cu)	V 18	578332		TH 32 U 16	578364 578374		H 32	578412
	V 22	578334		U 20	578378		U 16	578374
	V 28	578336	(NW 26)		578380		U 20	578378
	V 35 V 12 45° (PR-2B) <sup>3)</sup>	578604 574502	( 20)	U 32	578382		U 32	578382
	V 12 45 (PR-2B) <sup>3</sup>	574502		VP 16	578482	General Fittings	TH 16	578352
	V 18 45° (PR-2B) <sup>3</sup>	574506		VP 20	578484	Serie 5S00	TH 18	578356
	V 22 45° (PR-2B) <sup>3</sup>	574508		VP 32	578488		TH 20	578358
	V 28 45° (PR-2B) <sup>3</sup>	574510	Fränkische	F 20	578460		TH 25	578360
	V 35 45° (PR-2B)3)	574512	alpex-gas	F 26	578462		TH 26	578362
FRABO	V 12	578324	Fränkische	F 32 F 40	578464		TH 32 H 16	578364 578400
FRABOPRESS	V 15	578328	Fränkische alpex L	F 40	578478		H 18	578400 578404
INOX 316	V 18	578332	gabotherm H+S	TH 10	578342		H 20	578406
	V 22	578334	gaboalollini	TH 12	578346		H 25	578408
	V 28	578336		TH 14	578348		H 26	578410
	V 35	578604		TH 15	578350		H 32	578412
	V 12 45° (PR-2B) <sup>3)</sup>	574502		TH 16	578352		U 16	578374
	V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup>	574504 574506		TH 17	578354		U 18	578376
	V 22 45° (PR-2B) <sup>3</sup>	574508		TH 18	578356		U 20	578378
	V 28 45° (PR-2B) <sup>3</sup>	574510		TH 20 TH 25	578358 578360		U 32	578382
	V 35 45° (PR-2B) <sup>3</sup>	574512		TH 26	578362		U 40	578386
FRABO	V 15						D 10	
		578328		TH 32	578364		B 16 B 18	578468
FRABOPRESS	V 18	578328 578332					B 18	578468 578470
FRABOPRESS C-STEEL	V 18 V 22		GAROS	TH 32 TH 40 TH 14	578364 578624 578348		B 18 B 20	578468 578470 578472
	V 22 V 28	578332 578334 578336	GAROS	TH 32 TH 40 TH 14 TH 16	578364 578624 578348 578352		B 18	578468 578470
	V 22 V 28 V 35	578332 578334 578336 578604	GAROS	TH 32 TH 40 TH 14 TH 16 TH 20	578364 578624 578348 578352 578358	Giacomini	B 18 B 20 B 26	578468 578470 578472 578474
	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup>	578332 578334 578336 578604 574504	GAROS	TH 32 TH 40 TH 14 TH 16 TH 20 TH 26	578364 578624 578348 578352 578358 578358 578362	Giacomini Raccordi RM	B 18 B 20 B 26 B 32	578468 578470 578472 578474 578476
	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup>	578332 578334 578336 578604 574504 574506		TH 32 TH 40 TH 14 TH 16 TH 20 TH 26 TH 32	578364 578624 578348 578352 578358 578362 578362 578364		B 18 B 20 B 26 B 32 H 16 H 20 H 26	578468 578470 578472 578474 578476 578400 578400 578406 578410
	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup>	578332 578334 578336 578604 574504 574506 574508	Geberit Mapress	TH 32 TH 40 TH 14 TH 16 TH 20 TH 20 TH 26 TH 32 M 12	578364 578324 578348 578352 578352 578358 578362 578364 578310	Raccordi RM	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32	578468 578470 578472 578474 578476 578400 578406 578410 578412
	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup>	578332 578334 578336 578604 574504 574506 574508 574508 574510		TH 32 TH 40 TH 14 TH 16 TH 20 TH 26 TH 32 M 12 M 15	578364 578624 578348 578352 578358 578362 578364 578364 578310 578312	Raccordi RM	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16	578468 578470 578472 578474 578476 578400 578406 578400 578410 578412 578352
C-STEEL	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3</sup> ) V 18 45° (PR-2B) <sup>3</sup> ) V 22 45° (PR-2B) <sup>3</sup> ) V 28 45° (PR-2B) <sup>3</sup> ) V 35 45° (PR-2B) <sup>3</sup> )	578332 578334 57836 578604 574504 574506 574508 574510 574512	Geberit Mapress	TH 32 TH 40 TH 14 TH 16 TH 20 TH 26 TH 32 M 12 M 15 M 18	578364 578624 578348 578352 578358 578362 578364 578310 578312 578314	Raccordi RM	B 18 B 20 B 26 B 32 H 16 H 20 H 20 H 26 H 32 TH 16 TH 16 TH 20	578468 578470 578472 578474 578476 578400 578400 578400 578410 578412 578352 578358
C-STEEL FRABO	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15	578332 578334 578336 578604 574504 574506 574506 574508 574510 574512 578328	Geberit Mapress	TH 32 TH 40 TH 14 TH 16 TH 20 TH 26 TH 32 M 12 M 15	578364 578624 578348 578352 578358 578362 578364 578364 578310 578312	Raccordi RM	B 18 B 20 B 26 B 32 H 16 H 20 H 32 TH 16 TH 20 TH 26 TH 26 TH 20 TH 26	578468 578470 578472 578474 578476 578400 578406 578410 578410 578412 578352 578352 578358 578362
FRABO FRABOPRESS	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 18	578332 578334 578366 578604 574504 574506 574508 574508 574510 574512 578328 578332	Geberit Mapress	TH 32 TH 40 TH 14 TH 16 TH 20 TH 26 TH 32 M 12 M 15 M 15 M 18 M 22 M 28 M 35	578364 578324 578352 578352 578358 578364 578310 578310 578310 578314 578316 578318 578318 578390	Raccordi RM	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 26 TH 26 TH 26 THL 32	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578358 578368
FRABO FRABOPRESS	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3</sup> ) V 22 45° (PR-2B) <sup>3</sup> ) V 22 45° (PR-2B) <sup>3</sup> ) V 35 45° (PR-2B) <sup>3</sup> ) V 15 V 15 V 22	578332 578334 57836 578604 574504 574506 574508 574510 574512 578328 578322 578332	Geberit Mapress	TH 32 TH 40 TH 14 TH 16 TH 20 TH 26 TH 32 M 12 M 15 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3</sup> )	578364 578362 578352 578352 578356 578362 578364 578310 578314 578316 578316 578318 578318 578320	Raccordi RM	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 20 TH 20 TH 20 TH 20 TH 20 TH 20 U 16	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578352 578358 578368 578362 578368 578374
FRABO FRABOPRESS	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 18	578332 578334 578366 578604 574504 574506 574508 574508 574510 574512 578328 578332	Geberit Mapress	TH 32 TH 40 TH 14 TH 16 TH 20 TH 26 TH 32 M 12 M 15 M 12 M 28 M 35 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3)</sup>	578364 578362 578352 578352 578362 578362 578364 578310 578314 578316 578316 578316 578318 578318 578320 574520	Raccordi RM	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 20 TH 26 THL 32 U 16 U 10 U 20	578468 578472 578472 578474 578476 578400 578400 578406 578410 578412 578352 578352 578358 578368 578368 578374 578378
FRABO FRABOPRESS	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 15 V 15 V 18 V 22 V 28	578332 578334 578336 578604 574504 574506 574508 574510 574512 578328 578328 578332 578334 578336	Geberit Mapress	TH 32 TH 40 TH 14 TH 16 TH 20 TH 26 TH 32 M 12 M 15 M 15 M 22 M 28 M 35 M 28 M 35 M 245° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup>	578364 578362 578352 578352 578358 578364 578310 578310 578312 578314 578316 578318 578318 578390 574520 574522 574524	Raccordi RM	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 26 TH 26 TH 20 TH 26 U 16 U 20 U 32	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578352 578358 578362 578368 578374 578374 578378 578382
FRABO FRABOPRESS	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 18 V 22 V 28 V 28 V 35 V 15 V 28 V 35 V 15 V 18 V 22 V 28 V 35 V 15 V 18 V 22 V 28 V 35 V 15 V 15 V 18 V 22 V 28 V 35 V 15 V 15 V 15 V 15 V 15 V 15 V 15 V 1	578332 578334 578336 578604 574504 574506 574506 574510 574512 578328 578328 578332 578334 578336 578336 57836	Geberit Mapress	$\begin{array}{c} \text{TH 32} \\ \text{TH 40} \\ \hline \text{TH 14} \\ \text{TH 20} \\ \text{TH 26} \\ \text{TH 32} \\ \hline \text{M 12} \\ \text{M 15} \\ \text{M 15} \\ \text{M 22} \\ \text{M 28} \\ \text{M 35} \\ \text{M 22} \\ \text{M 35} \\ \text{M 12}  45^\circ (\text{PR-28})^{\text{3})} \\ \text{M 15}  45^\circ (\text{PR-28})^{\text{3})} \\ \text{M 18}  45^\circ (\text{PR-28})^{\text{3})} \\ \text{M 18}  45^\circ (\text{PR-28})^{\text{3})} \\ \text{M 18}  45^\circ (\text{PR-28})^{\text{3})} \\ \text{M 22}  45^\circ (\text{PR-28})^{\text{3})} \\ \end{array}$	578364 578364 578352 578352 578358 578364 578310 578310 578310 578314 578316 578318 578318 578390 574520 574522 574524 574526	Raccordi RM	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 20 TH 26 THL 32 U 16 U 10 U 20	578468 578472 578472 578474 578476 578400 578400 578406 578410 578412 578352 578352 578358 578368 578368 578374 578378
FRABO FRABOPRESS	$\begin{array}{c} V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \\ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3} \\ V \ 22 \ 45^\circ \ (PR-2B)^{3} \\ V \ 45 \ 45^\circ \ (PR-2B)^{3} \ (PR-2B)^{3} \\ V \ 45 \ 45^\circ \ (PR-2B)^{3} \ (PR-2B)^{3} \ (PR-$	578332 578334 578336 578604 574504 574506 574508 574510 574512 578328 578328 578334 578334 578336 578044 574504 574506 574508	Geberit Mapress	$\begin{array}{c} TH 32 \\ TH 40 \\ \hline TH 14 \\ TH 16 \\ TH 20 \\ TH 26 \\ TH 32 \\ \hline M 12 \\ M 15 \\ M 18 \\ M 22 \\ M 28 \\ M 35 \\ M 12 \\ 45^{\circ} (PR-2B)^{3)} \\ M 15 \\ 45^{\circ} (PR-2B)^{3)} \\ M 14 \\ 45^{\circ} (PR-2B)^{3)} \\ M 22 \\ 45^{\circ} (PR-2B)^{3)} \\ M 28 \\ 45^{\circ} (PR-2B)^{3)} \\ M 28 \\ 45^{\circ} (PR-2B)^{3} \\ \end{bmatrix}$	578364 578362 578352 578352 578356 578362 578364 578310 578314 578316 578316 578316 578318 578390 574520 574522 574522 574522 574528	Raccordi RM Giacomini	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 26 TH 26 THL 32 U 16 U 20 U 32 U 40 V 15	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578358 578362 578362 578368 578374 578378 578378 578382 578386
C-STEEL	$\begin{array}{c} V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ V \ 26 \ V \ 26 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ \end{array}$	578332 578334 578334 578604 574504 574506 574510 574512 578328 578322 578332 578334 578336 578336 578604 574504 574506 574508 574508	Geberit Mapress C-STAHL	$\begin{array}{c} \text{TH 32} \\ \text{TH 40} \\ \hline \\ \text{TH 14} \\ \text{TH 16} \\ \text{TH 20} \\ \text{TH 26} \\ \text{TH 32} \\ \hline \\ \text{M 12} \\ \text{M 15} \\ \text{M 18} \\ \text{M 22} \\ \text{M 28} \\ \text{M 35} \\ \text{M 12} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 15} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 18} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 18} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 22} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 22} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 28} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 28} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 35} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \end{array}$	578364 578362 578352 578352 578362 578362 578364 578310 578314 578316 578316 578316 578318 578318 578390 574520 574522 574522 574526 574528 574528 574530	Raccordi RM Giacomini Giacomini	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 26 TH 26 THL 32 U 16 U 20 U 32 U 40 V 15	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578352 578358 578362 578362 578368 578374 578378 578382 578386 578382 578386 578328
C-STEEL FRABO FRABOPRESS C-STEEL GAS	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3</sup> ) V 22 45° (PR-2B) <sup>3</sup> ) V 22 45° (PR-2B) <sup>3</sup> ) V 35 45° (PR-2B) <sup>3</sup> ) V 15 V 18 V 22 V 28 V 28 V 28 V 35 V 15 45° (PR-2B) <sup>3</sup> ) V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 28 45° (PR-2B) <sup>3</sup> V 28 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup>	578332 578334 578336 578604 574504 574508 574510 574512 578328 578332 578334 578336 578336 578336 578604 574504 574506 574506 574510 574510	Geberit Mapress C-STAHL Geberit Mapress	$\begin{array}{c} \text{TH 32} \\ \text{TH 40} \\ \hline \text{TH 14} \\ \text{TH 16} \\ \text{TH 20} \\ \text{TH 26} \\ \text{TH 32} \\ \text{M 15} \\ \text{M 15} \\ \text{M 22} \\ \text{M 28} \\ \text{M 35} \\ \text{M 28} \\ \text{M 35} \\ \text{M 15} \ 45^\circ (\text{PR-2B})^3) \\ \text{M 15} \ 45^\circ (\text{PR-2B})^3) \\ \text{M 18} \ 45^\circ (\text{PR-2B})^3) \\ \text{M 22} \ 45^\circ (\text{PR-2B})^3) \\ \text{M 22} \ 45^\circ (\text{PR-2B})^3) \\ \text{M 23} \ 45^\circ (\text{PR-2B})^3) \\ \text{M 35} \ 45^\circ (\text{PR-2B})^3) \\ \text{M 12} \end{array}$	578364 578364 578352 578352 578358 578364 578310 578310 578312 578314 578316 578318 578318 578390 574520 574522 574524 574526 574526 574528 574520 574523	Raccordi RM Giacomini Giacomini Valvole Giacomini	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 26 TH 26 TH 26 TH 26 TH 26 U 10 U 20 U 32 U 40 V 15 V 18 V 22 V 28	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578358 578362 578368 578374 578378 578378 578382 578386 578328 578328 578332 578334
FRABO FRABOPRESS C-STEEL GAS FRABO	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 22 V 28 V 28 V 35 V 15 V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> TH 16	578332 578334 578336 578604 574504 574508 574510 574512 578328 578332 578334 578336 578336 578336 578336 578504 574506 574508 574508 574508 574512 57852	Geberit Mapress C-STAHL	$\begin{array}{c} \text{TH 32} \\ \text{TH 40} \\ \hline \\ \text{TH 14} \\ \text{TH 16} \\ \text{TH 20} \\ \text{TH 26} \\ \text{TH 32} \\ \hline \\ \text{M 12} \\ \text{M 15} \\ \text{M 18} \\ \text{M 22} \\ \text{M 28} \\ \text{M 35} \\ \text{M 12} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 15} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 18} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 18} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 22} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 22} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 28} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 28} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \text{M 35} \ \text{45}^\circ \ (\text{PR-2B})^3) \\ \end{array}$	578364 578362 578352 578352 578362 578362 578364 578310 578314 578316 578316 578316 578318 578318 578390 574520 574522 574522 574526 574528 574528 574530	Raccordi RM Giacomini Giacomini Valvole Giacomini	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 26 TH 26 THL 32 U 16 U 20 U 32 U 40 V 15 V 18 V 28 V 28 V 35	578468 578472 578472 578474 578476 578400 578400 578410 578412 578352 578352 578358 578362 578368 578374 578378 578378 578378 578378 578378 578378 578328 578328 578332 578334 578336 578334 578336
FRABO FRABOPRESS C-STEEL GAS FRABO FRABO	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 18 V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> TH 16 TH 20	578332 578334 578336 578604 574504 574506 574508 574510 574512 578328 578328 578334 578334 578336 578604 574506 574506 574506 574508 574510 574512 578352 578358	Geberit Mapress C-STAHL Geberit Mapress	$\begin{array}{c} TH 32 \\ TH 40 \\ \hline \\ TH 14 \\ TH 16 \\ TH 20 \\ TH 26 \\ TH 26 \\ TH 32 \\ \hline \\ M 12 \\ M 15 \\ M 15 \\ M 22 \\ M 28 \\ M 35 \\ M 12 \\ 45^{\circ} (PR-2B)^{3)} \\ M 15 \\ 45^{\circ} (PR-2B)^{3)} \\ M 18 \\ 45^{\circ} (PR-2B)^{3)} \\ M 22 \\ 45^{\circ} (PR-2B)^{3)} \\ M 28 \\ 45^{\circ} (PR-2B)^{3)} \\ M 28 \\ 45^{\circ} (PR-2B)^{3)} \\ M 35 \\ 45^{\circ} (PR-2B)^{3)} \\ M 35 \\ 45^{\circ} (PR-2B)^{3)} \\ M 35 \\ 45^{\circ} (PR-2B)^{3)} \\ M 12 \\ M 15 \\ \hline \\ \end{array}$	578364 578362 578352 578352 578356 578362 578364 578310 578314 578316 578316 578316 578316 578320 574520 574520 574522 574526 574526 574528 574528 574530 578310 578310	Raccordi RM Giacomini Giacomini Valvole Giacomini	B 18 B 20 B 22 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 26 TH 26 TH 20 U 17 U 20 U 32 U 40 V 15 V 18 V 22 V 28 V 35 SA 15	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578358 578368 578368 578374 578374 578378 578386 578386 578386 578382 578386 578382 578386 578334 578332 578334 578334 578514
FRABO FRABOPRESS C-STEEL GAS FRABOPRESS MULTI-BRASS	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 18 V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> TH 16 TH 20 TH 20 TH 26	578332 578334 578334 578604 574504 574506 574508 574512 578328 578322 578332 578334 578336 578604 574504 574504 574506 574508 574508 574510 574512 578352 578352 578358 578358 578358	Geberit Mapress C-STAHL Geberit Mapress	$\begin{array}{c} TH 32 \\ TH 40 \\ \hline \\ TH 14 \\ TH 16 \\ TH 20 \\ TH 26 \\ TH 26 \\ TH 32 \\ \hline \\ M 12 \\ M 15 \\ M 18 \\ M 22 \\ M 28 \\ M 35 \\ M 12 \\ 45^{\circ} (PR-2B)^{3)} \\ M 18 \\ 45^{\circ} (PR-2B)^{3)} \\ M 18 \\ 45^{\circ} (PR-2B)^{3)} \\ M 28 \\ 45^{\circ} (PR-2B)^{3} \\ M 35 \\ M 28 \\ \hline \\ M 12 \\ M 28 \\ \hline \end{array}$	578364 578362 578352 578352 578356 578362 578364 578310 578314 578316 578316 578318 574520 574520 574522 574524 574526 574526 574526 574526 574526 574526 574526 574526 574530 578310 578312 578314 578316 578318	Raccordi RM Giacomini Giacomini Valvole Giacomini	B 18 B 20 B 26 B 32 H 16 H 20 H 32 TH 16 TH 20 TH 26 TH 20 U 17 H 26 THL 32 U 16 U 20 U 32 U 40 V 15 V 18 V 12 V 15 V 18 V 22 V 28 V 35 SA 15 SA 18	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578352 578368 578362 578368 578374 578378 578382 578386 578382 578386 578382 578386 578386 578383 578386 578336 578336 578336 578336 578336 578336 578336 578336 578336 578336 578336 578336 578336 578336 578518
FRABO FRABOPRESS C-STEEL GAS FRABO FRABOPRESS MULTI-BRASS	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 18 V 22 V 28 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> TH 16 TH 20 TH 26 TH 32	578332 578334 578334 578604 574504 574506 574508 574510 574512 578328 578332 578334 578336 578334 578336 578604 574504 574504 574508 574506 574510 574512 578352 578352 578358 578364	Geberit Mapress C-STAHL Geberit Mapress	$\begin{array}{c} \text{TH } 32 \\ \text{TH } 40 \\ \hline \\ \text{TH } 14 \\ \text{TH } 16 \\ \text{TH } 20 \\ \text{TH } 26 \\ \hline \\ \text{TH } 22 \\ \hline \\ \text{M } 12 \\ \text{M } 12 \\ \text{M } 22 \\ \text{M } 28 \\ \hline \\ \text{M } 35 \\ \text{M } 5^{\circ} (\text{PR-2B})^{3)} \\ \text{M } 15 \\ \text{45}^{\circ} (\text{PR-2B})^{3)} \\ \text{M } 15 \\ \text{45}^{\circ} (\text{PR-2B})^{3)} \\ \text{M } 22 \\ \text{45}^{\circ} (\text{PR-2B})^{3)} \\ \text{M } 24 \\ \text{45}^{\circ} (\text{PR-2B})^{3)} \\ \text{M } 25 \\ \text{45}^{\circ} (\text{PR-2B})^{3)} \\ \text{M } 35 \\ \text{45}^{\circ} (\text{PR-2B})^{3)} \\ \text{M } 12 \\ \text{M } 12 \\ \text{M } 12 \\ \text{M } 18 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \end{array}$	578364 578362 578358 578352 578352 578362 578362 578310 578310 578316 578316 578316 578316 574520 574522 574522 574522 574528 574528 574528 574528 574530 578310 578310 578312 578314 578316 578318 578318	Raccordi RM Giacomini Giacomini Valvole Giacomini	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 26 TH 26 TH 26 TH 26 TH 32 U 16 U 20 U 32 U 40 V 15 V 18 V 22 V 28 V 35 SA 15 SA 18 SA 22	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578358 578362 578368 578374 578378 578382 578382 578386 578328 578328 578326 578324 578334 578334 578336 578365 578365 578365 578326 578326 578326 578326 578326 578326 578326 578326 578326 578326 578326 578326 578326 578326 578326 578326 578514 578518 578520
FRABO FRABOPRESS C-STEEL GAS FRABO FRABOPRESS MULTI-BRASS	V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 22 V 28 V 28 V 22 V 28 V 35 V 15 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup> T H 16 T H 20 T H 20 T H 26 T H 32 U 16	578332 578334 578334 578604 574504 574506 574510 574512 578328 578332 578334 578334 578336 578336 578504 574506 574506 574506 574506 574506 574508 574512 578352 578358 578352 578358 578358 578354 578364 578374	Geberit Mapress C-STAHL Geberit Mapress	$\begin{array}{c} \text{TH } 32 \\ \text{TH } 40 \\ \hline \\ \text{TH } 14 \\ \text{TH } 16 \\ \text{TH } 20 \\ \text{TH } 26 \\ \text{TH } 32 \\ \hline \\ \text{M } 12 \\ \text{M } 15 \\ \text{M } 12 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 12 \\ \text{45}^\circ (\text{PR-2B})^3 \\ \text{M } 15 \\ \text{45}^\circ (\text{PR-2B})^3 \\ \text{M } 18 \\ \text{45}^\circ (\text{PR-2B})^3 \\ \text{M } 24 \\ \text{45}^\circ (\text{PR-2B})^3 \\ \text{M } 25 \\ \text{45}^\circ (\text{PR-2B})^3 \\ \hline \text{M } 26 \\ \text{45}^\circ (\text{PR-2B})^3 \\ \hline \text{M } 12 \\ \text{M } 15 \\ \text{M } 18 \\ \text{M } 22 \\ \text{M } 18 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 12 \\ \text{45}^\circ (\text{PR-2B})^3 \\ \end{array}$	578364 578362 578352 578352 578362 578362 578364 578310 578314 578316 578316 578316 578318 574520 574522 574524 574526 574526 574528 574528 574520 578310 578310 578312 578316 578316 578316 578316 578316 578316 578316 578316 578316 578316 57832 574520 57832 57852 57857 57	Raccordi RM Giacomini Giacomini Valvole Giacomini	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 26 TH 20 TH 26 THL 32 U 16 U 20 U 32 U 40 V 15 V 18 V 22 V 28 V 35 SA 15 SA 15 SA 22 SA 28	578468 578472 578472 578474 578476 578400 578400 578410 578410 578412 578352 578352 578358 578362 578368 578374 578378 578378 578378 578382 578386 578328 578334 578334 578336 578336 578336 578336 578336 578336 578336 578336 578336 578518 578518 578518 578522
FRABO FRABOPRESS C-STEEL GAS FRABO FRABOPRESS MULTI-BRASS (MB)	$\begin{array}{c} V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \\ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 15 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 24 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 25 \ 45^\circ \ (PR-2B)^{3} \\ V \ 25 \ 45^\circ \ (PR-2B)^{3} \\ U \ 26 \ 45^\circ \ (PR-2B)^{3} \\ U \ 26 \ 45^\circ \ (PR-2B)^{3} \\ V \ 26 \ (PR-2B)^{3} \ (PR-2B)^{3} \\ V \ 26 \ (PR-2B)^{3} \ (PR-2B)^{3} \\ V \ 26 \ (PR-2B)^{3} \ (PR-2B)^{3}$	578332 578334 578334 578604 574504 574506 574508 574510 574512 578328 578332 578334 578336 578336 578604 574506 574506 574506 574506 574508 574512 578358 578352 578358 578358 578364 578374 578378	Geberit Mapress C-STAHL Geberit Mapress	$\begin{array}{c} \text{TH } 32 \\ \text{TH } 40 \\ \hline \\ \text{TH } 14 \\ \text{TH } 16 \\ \text{TH } 20 \\ \text{TH } 26 \\ \text{TH } 32 \\ \hline \\ \text{M } 12 \\ \text{M } 15 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 12 \\ 45^{\circ} (\text{PR-2B})^3) \\ \text{M } 12 \\ 45^{\circ} (\text{PR-2B})^3) \\ \text{M } 18 \\ 45^{\circ} (\text{PR-2B})^3) \\ \text{M } 28 \\ 45^{\circ} (\text{PR-2B})^3) \\ \text{M } 35 \\ 45^{\circ} (\text{PR-2B})^3) \\ \hline \text{M } 12 \\ \text{M } 15 \\ \text{M } 18 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 12 \\ \text{M } 15 \\ \text{M } 18 \\ \text{M } 12 \\ \text{M } 15 \\ \text{M } 18 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 12 \\ 45^{\circ} (\text{PR-2B})^3) \\ \hline \text{M } 12 \\ \text{M } 26 \\ \text{M } 35 \\ \text{M } 12 \\ \text{M } 5 \\ \text{M } 5 \\ \text{(PR-2B)}^3) \\ \end{array}$	578364 578362 578352 578352 578352 578362 578364 578310 578316 578316 578316 578316 578322 574520 574522 574524 574526 574528 574528 574530 578312 578316 57832 57852 578552 578552 57855	Raccordi RM Giacomini Giacomini Valvole Giacomini	B 18 B 20 B 26 B 32 H 16 H 20 H 32 TH 16 TH 20 H 32 TH 26 TH 26 THL 32 U 16 U 20 U 32 U 40 V 15 V 18 V 22 V 28 V 35 SA 15 SA 15 SA 18 SA 22 SA 28 M 15	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578368 578362 578368 578374 578374 578378 578382 578386 578382 578382 578382 578383 578323 578334 578334 578334 578518 578514 578518 578520 578512
FRABO FRABOPRESS C-STEEL GAS FRABOPRESS MULTI-BRASS (MB) FRABO	$\begin{array}{c} V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3} \\ V \ 16 \ U \ 20 \\ H \ 16 \\ \end{array}$	578332 578334 578334 578604 574504 574508 574508 574510 574510 578328 578332 578332 578334 578336 578604 574504 574504 574506 574506 574510 574510 574512 578352 578352 578352 578352 578352 578352 578353 578354 578352 578358 578354 578357 578374 578374 578378 578378	Geberit Mapress C-STAHL Geberit Mapress	$\begin{array}{c} \text{TH } 32 \\ \text{TH } 40 \\ \\ \text{TH } 14 \\ \text{TH } 16 \\ \\ \text{TH } 20 \\ \text{TH } 26 \\ \\ \text{TH } 22 \\ \\ \text{M } 12 \\ \\ \text{M } 12 \\ \\ \text{M } 12 \\ \\ \text{M } 22 \\ \\ \text{M } 28 \\ \\ \text{M } 35 \\ \\ \text{M } 12 \\ \text{M } 28 \\ \\ \text{M } 35 \\ \\ \text{M } 15 \\ \text{M } 15 \\ \\ \text{M } 22 \\ \\ \text{M } 26 \\ \\ \text{(PR-2B)^3)} \\ \\ \text{M } 28 \\ \\ \text{M } 26 \\ \\ \text{(PR-2B)^3)} \\ \\ \text{M } 12 \\ \\ \text{M } 18 \\ \\ \text{M } 22 \\ \\ \text{M } 35 \\ \\ \text{M } 15 \\ \\ \text{M } 15 \\ \\ \text{M } 28 \\ \\ \text{M } 35 \\ \\ \text{M } 15 \\ \\ \text{M } 15 \\ \\ \text{M } 15 \\ \\ \text{M } 26 \\ \\ \text{M } 28 \\ \\ \text{M } 35 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 15 \\ \\ \text{M } 5 \\ \\ \text{M } 3 \\ \\ \text{M } 5 \\ \\ \text{M } 5 \\ \\ \text{M } 3 \\ \\ \text{M } 3$	578364 578362 578358 578352 578358 578362 578364 578310 578314 578316 578316 578316 574520 574520 574522 574526 574526 574528 574526 574528 574528 5745310 578312 578312 578312 578314 578316 578312 578312 578316 578312 578318 578318 578318 578318 578318 57832 57852 578578 578578 578578 578578 578578 578578 5	Raccordi RM Giacomini Giacomini Valvole Giacomini	B 18 B 20 B 26 B 32 H 16 H 20 H 26 H 32 TH 16 TH 20 TH 26 TH 26 THL 32 U 16 U 20 U 32 U 40 V 15 V 18 V 22 V 28 V 35 SA 15 SA 18 SA 22 SA 28 M 15 M 18	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578352 578368 578362 578368 578374 578374 578378 578382 578386 578328 578334 578334 578336 578336 578336 578336 578336 578336 578336 578336 578336 578336 578336 578336 578336 578336 578336 578518 578518 578518 578518 578518 578514 578518 578514 578512 578314
FRABO FRABOPRESS C-STEEL GAS FRABO FRABOPRESS MULTI-BRASS (MB)	$\begin{array}{c} V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \\ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 15 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 24 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 25 \ 45^\circ \ (PR-2B)^{3} \\ V \ 25 \ 45^\circ \ (PR-2B)^{3} \\ U \ 26 \ 45^\circ \ (PR-2B)^{3} \\ U \ 26 \ 45^\circ \ (PR-2B)^{3} \\ V \ 26 \ (PR-2B)^{3} \ (PR-2B)^{3} \\ V \ 26 \ (PR-2B)^{3} \ (PR-2B)^{3} \\ V \ 26 \ (PR-2B)^{3} \ $	578332 578334 578334 578604 574504 574506 574508 574510 574512 578328 578332 578334 578336 578336 578604 574506 574506 574506 574506 574508 574512 578358 578352 578358 578358 578364 578374 578378	Geberit Mapress C-STAHL Geberit Mapress	$\begin{array}{c} \text{TH } 32 \\ \text{TH } 40 \\ \hline \\ \text{TH } 14 \\ \text{TH } 16 \\ \text{TH } 20 \\ \text{TH } 26 \\ \text{TH } 32 \\ \hline \\ \text{M } 12 \\ \text{M } 15 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 12 \\ 45^{\circ} (\text{PR-2B})^3) \\ \text{M } 12 \\ 45^{\circ} (\text{PR-2B})^3) \\ \text{M } 18 \\ 45^{\circ} (\text{PR-2B})^3) \\ \text{M } 28 \\ 45^{\circ} (\text{PR-2B})^3) \\ \text{M } 35 \\ 45^{\circ} (\text{PR-2B})^3) \\ \hline \text{M } 12 \\ \text{M } 15 \\ \text{M } 18 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 12 \\ \text{M } 15 \\ \text{M } 18 \\ \text{M } 12 \\ \text{M } 15 \\ \text{M } 18 \\ \text{M } 22 \\ \text{M } 28 \\ \text{M } 35 \\ \text{M } 12 \\ 45^{\circ} (\text{PR-2B})^3) \\ \hline \text{M } 12 \\ \text{M } 26 \\ \text{M } 35 \\ \text{M } 12 \\ \text{M } 5 \\ \text{M } 5 \\ \text{(PR-2B)}^3) \\ \end{array}$	578364 578362 578358 578352 578358 578362 578364 578310 578314 578316 578316 578316 578316 578516 574520 574522 574522 574528 574528 574528 574530 578310 578312 578312 578314 578316 578312 578312 578312 578312 578312 578312 578312 578312 578316 578318 578318 578318 578318 578318 578318 57832 574522 578318 578318 578318 578318 578318 578318 578318 57832 57852 578552 57857	Raccordi RM Giacomini Giacomini Valvole Giacomini	B 18 B 20 B 26 B 32 H 16 H 20 H 32 TH 16 TH 20 H 32 TH 26 TH 26 THL 32 U 16 U 20 U 32 U 40 V 15 V 18 V 22 V 28 V 35 SA 15 SA 15 SA 18 SA 22 SA 28 M 15	578468 578470 578472 578474 578476 578400 578400 578410 578412 578352 578368 578362 578368 578374 578374 578378 578382 578386 578382 578382 578382 578383 578323 578334 578334 578334 578518 578514 578518 578520 578512

Pressfitting systems for gas installations must only be pressed with REMS pressing tongs Mini/pressing rings which are highlighted in yellow. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw. <sup>2)</sup> For taking suitable pressing inserts.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 134.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

Pressing tongs for additional pressfitting systems on request.

### Accessories for REMS Mini-Press ACC

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
inde Press	U 16	578374	Herotec	H 16	578400	IBP >B< Press	V 15	578328
itting for Ginde	U 20	578378	TEMPUS-PRESS		578406	Solar	V 18	578332
ulti-layer Pipe	U 25	578380	PLUS	H 25	578408		V 22	578334
stem	U 32	578382		H 32 TH 16	578412		V 28	578336
obal Plastic othapress	TH 16 TH 18	578352 578356		TH 16 TH 20	578352 578358		V 35	578604
unapress	TH 20	578358		TH 25	578360		V 15 45° (PR-2B) <sup>3)</sup>	574504
	TH 25	578360		TH 32	578364		V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup>	574506 574508
	TH 32	578364		U 16	578374		V 28 45° (PR-2B) <sup>3)</sup>	574508
	TH 40	578624		U 20	578378		V 35 45° (PR-2B) <sup>3)</sup>	574512
LOBAL	U 16	578374		U 25	578380	Idrosanitaria	TH 16	578352
RADE	U 20	578378		U 32	578382	Bonomi	TH 20	578358
lualpress	U 25	578380		U 40	578386	Homegas	TH 26	578362
stem	U 32	578382	Herz pipefix	TH 10	578342	Idrosanitaria	TH 16	578352
olan Pipe	U 16	578374		TH 14 TH 15	578348 578350	Bonomi	TH 18	578356
/stems	U 20	578378		TH 15 TH 16	578352	Idropress	TH 20	578358
candinavia) u-Pres	U 25 U 32	578380 578382		TH 17	578354		TH 26	578362
	VUS 1/2" (OD 15,9 mm)	578566		TH 18	578356		TH 32	578364
opper Fittings	VUS <sup>3</sup> / <sub>4</sub> " (OD 22,2 mm)	578568		TH 20	578358		TH 40	578624
ppor r nango	VUS 1" (OD 28,6 mm)	578570		TH 25	578360	IDROSISTEMI	TH 16	578352
	VUS 11/4" (OD 34,9 mm)	578606		TH 26	578362	Ta-Press	TH 20	578358
3	TH 14	578348		TH 32	578364		TH 26	578362
ärmesysteme	TH 16	578352		TH 40	578624		TH 32	578364
stem TH	TH 20	578358	HITEC Sistema	TH 14	578348		TH 40	578624
	TH 26	578362	Multistrato	TH 16	578352		F 16	578456
	TH 32	578364		TH 18	578356		F 20 F 26	578460 578462
	TH 40	578624		TH 20	578358		F 26 F 32	578462 578464
3	V 15	578328		TH 26	578362		F 32 F 40	578464 578478
armesysteme	V 18	578332		TH 32 TH 40	578364 578624		F 40 H 16	578478 578400
stem V	V 22	578334	Hopewell	M 15	578524		H 10 H 20	578400 578406
	V 28	578336	press fit system	M 15 M 18	578312 578314		H 20 H 26	578406 578410
	V 35	578604	proof in system	M 22	578316		H 32	578410
SP Group	TH 16	578352		M 28	578318		U 16	578374
Metrix AGOS	TH 20	578358		M 35	578390		U 20	578378
agos akaGerodur	TH 16 TH 10	578352 578342	Hydro-Air	US %"	578534		U 32	578382
ikaGerodur-	TH 11,6	578344	Systems	US 1/2"	578536		U 40	578386
stem	TH 12	578346	Hydro-Plumb	US ¾"	578538		B 16	578468
Stern	TH 14	578348	Plus PEX	US 1"	578540		B 20	578472
	TH 16	578352	Hydro-Air	U 16 (½")	578374		B 26	578474
	TH 17	578354	Systems	U 20 (5⁄8")	578378		B 32	578476
	TH 18	578356	Hydro-Flex	U 25 (¾")	578380	<b>IPA IPANA-Press</b>	TH 10	578342
	TH 20	578358	PEX-AL-PEX	U 32 (1")	578382		TH 11,6	578344
kaGerodur	TH 16	578352	IBP >B< Flex	U 16 U 18	578374 578376		TH 12	578346
KASAN	TH 20	578358		U 20	578378		TH 14	578348
	TH 25	578360		U 25	578380		TH 15	578350
	TH 26	578362		U 32	578382		TH 16	578352
	TH 32	578364		U 40	578386		TH 17	578354
	TH 40	578624	IBP >B< Press	V 12	578324		TH 18	578356
arden 2000	TH 16	578352	151 5 11000	V 14	578326		TH 20	578358
Hidro	TH 20	578358		V 15	578328		TH 22	578588
	TH 26	578362		V 16	578330		TH 25	578360
arden 2000	TH 14 TH 16	578348 578352		V 18	578332		TH 26	578362
oly-Pex 2000	TH 17	578354		V 22	578334		TH 28	578590
	TH 18	578356		V 28	578336		TH 32 TH 40	578364 578624
	TH 20	578358		V 35	578604			
	TH 26	578362		V 12 45° (PR-2B) <sup>3)</sup>	574502	IPALPEX (Industrie du	TH 14 TH 16	578348 578352
	THL 32	578368		V 15 45° (PR-2B) <sup>3)</sup>	574504	Plastique et	TH 18	578356
	TH 40	578624		V 18 45° (PR-2B) <sup>3)</sup>	574506	Accessoires)	TH 18 TH 20	578358
arden 2000	TH 16	578352		V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup>	574508 574510	Accessones	TH 26	578362
ly-Pex Gas	TH 20	578358		V 35 45° (PR-2B) <sup>3</sup>	574510 574512		THL 32	578368
	TH 26	578362	IBP >B< Press	V 12	578324		TH 40	578624
	THL 32	578368	Carbon	V 12 V 14	578326	IPLEX	K16/P18	578592
ASTINIK	M 15	578312	00.001	V 14 V 15	578328	PIPELINES		
stinik/Hitpress	M 18	578314		V 16	578330	AUSTRALIA		
	M 22	578316		V 18	578332	Iplex Pro-fit		
	M 28	578318		V 22	578334	IPLEX	K16/P18	578592
	M 35	578390		V 28	578336	PIPELINES	K/20	578594
	M 15 45° (PR-2B) <sup>3</sup>	574522 574524		V 35	578604	AUSTRALIA	K/25	578596
	M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup>	574524 574526		V 12 45° (PR-2B) <sup>3)</sup>	574502	Iplex K1	K32	578598
	M 28 45° (PR-2B) <sup>3</sup>	574528		V 15 45° (PR-2B) <sup>3)</sup>	574504	(Gas)	K1/40	578600
	M 35 45° (PR-2B) <sup>3</sup>	574528		V 18 45° (PR-2B) <sup>3)</sup>	574506	IPLEX	K16/P18	578592
ima-press	TH 16	578352		V 22 45° (PR-2B) <sup>3)</sup>	574508 574510	PIPELINES	K/20	578594
	TH 20	578358		V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup>	574510 574512	AUSTRALIA	K/25	578596
	TH 26	578362	IBP >B< Press	V 35 45 (PR-2B) <sup>57</sup> V 15	578328	Iplex K2		
	TH 32	578364	Gas	V 18	578332	ISOTUBI	M 15	578312
	TH 40	578624		V 22	578334	NUMEPRESS	M 18	578314
LIROMA	U 16	578374		V 28	578336		M 22	578316
napress	U 18	578376		V 35	578604		M 28	578318
	U 20	578378		V 15 45° (PR-2B) <sup>3)</sup>	574504		M 35	578390
	U 25	578380		V 18 45° (PR-2B) <sup>3)</sup>	574506		M 15 45° (PR-2B) <sup>3</sup>	574522
		578382		V 22 45° (PR-2B) <sup>3)</sup>	574508		M 18 45° (PR-2B) <sup>3)</sup>	574524 574526
	U 32			V 28 45° (PR-2B) <sup>3)</sup>	574510		M 22 45° (PR-2B) <sup>3</sup>	574526
	U 40	578386		V 35 45° (PR-2B)3)	574512		M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup>	574528
LIROMA	U 40 RFz 16	578492		V 33 43 (FIX=2D)			N/ 36 /6 /UD 2013)	
LIROMA	U 40 RFz 16 RFz 20	578492 578494	IBP >B< Press	V 15	578328			574530
LIROMA	U 40 RFz 16 RFz 20 RFz 25	578492 578494 578496	IBP >B< Press Inox	V 15 V 18	578328 578332	IVAR	B 20	578472
LIROMA	U 40 RFz 16 RFz 20 RFz 25 RFz 32	578492 578494 578496 578498		V 15 V 18 V 22	578332 578334	IVAR ALPEX-GAS	B 20 B 26	578472 578474
LIROMA	U 40 RFz 16 RFz 20 RFz 25 RFz 32 TH 14	578492 578494 578496 578498 578348		V 15 V 18 V 22 V 28	578332 578334 578336	ALPEX-GAS	B 20 B 26 B 32	578472 578474 578476
LIROMA napress	U 40 RFz 16 RFz 20 RFz 25 RFz 32 TH 14 TH 16	578492 578494 578496 578498 578348 578348 578352		V 15 V 18 V 22 V 28 V 35	578332 578334 578336 578604	ALPEX-GAS	B 20 B 26 B 32 B 14	578472 578474 578476 578466
LIROMA	U 40 RFz 16 RFz 20 RFz 25 RFz 32 TH 14 TH 16 TH 18	578492 578494 578496 578498 578348 578352 578352 578356		V 15 V 18 V 22 V 28 V 35 V 12 45° (PR-2B) <sup>3)</sup>	578332 578334 578336 578604 574502	ALPEX-GAS	B 20 B 26 B 32 B 14 B 16	578472 578474 578476 578466 578468
LIROMA	U 40 RFz 16 RFz 20 RFz 25 RFz 32 TH 14 TH 16 TH 18 TH 20	578492 578494 578496 578498 578348 578352 578356 578356 578358		V 15 V 18 V 22 V 28 V 35 V 12 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup>	578332 578334 578336 578604 574502 574502	ALPEX-GAS	B 20 B 26 B 32 B 14 B 16 B 18	578472 578474 578476 578466 578468 578468 578470
LIROMA napress	U 40 RFz 16 RFz 20 RFz 25 RFz 32 TH 14 TH 16 TH 18 TH 20 TH 20 TH 26	578492 578494 578496 578498 578348 578352 578356 578356 578358 578362		V 15 V 18 V 22 V 35 V 12 45° (PR-2B) <sup>3)</sup> V 12 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup>	578332 578334 578336 578604 574502 574504 574506	ALPEX-GAS	B 20 B 26 B 32 B 14 B 16 B 18 B 18 B 20	578472 578474 578476 578466 578468 578468 578470 578472
LIROMA	U 40 RFz 16 RFz 20 RFz 25 RFz 32 TH 14 TH 16 TH 18 TH 20	578492 578494 578496 578498 578348 578352 578356 578356 578358		V 15 V 18 V 22 V 28 V 35 V 12 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup>	578332 578334 578336 578604 574502 574502	ALPEX-GAS	B 20 B 26 B 32 B 14 B 16 B 18	578472 578474 578476 578466 578468 578468 578470

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
IVAR	TH 16	578352	IVAR	TH 16	578352	KEMBLA	VAU 15 (OD 12,7 mm)	578630
MULTI PRESS	TH 20	578358	Plastic Multi Press		578358	KemPress	VAU 20 (OD 19,1 mm)	578632
GAS	TH 26	578362	Leak (PMPL)	TH 26 TH 32	578362 578364	(AUS)	VAU 25 (OD 25,4 mm)	578634
	TH 32	578364		F 16	578456		VAU 32 (OD 31,8 mm)	578636
	B 16	578468		F 20	578460	KEMBLA	VAU 15 (OD 12,7 mm)	578630
	B 20 B 26	578472 578474		F 26	578462	KemPress Gas	VAU 20 (OD 19,1 mm)	578632
	B 32	578476		F 32	578464	(AUS)	VAU 25 (OD 25,4 mm)	578634
VAR	TH 16	578352		H 16	578400		VAU 32 (OD 31,8 mm)	578636
MULTI PRESS	TH 20	578358		H 20	578406	KISAN Kisan KD	KI 16 KI 20	578524 578526
GAS ITALIA	TH 26	578362		H 26 H 32	578410 578412	KISAN KD	KI 20 KI 25	578528
	H 16	578400		U 16	578374		TH 16	578352
	H 20	578406		U 20	578378		TH 20	578358
	H 26	578410		C 26	578392		TH 25	578360
VAR	TH 16	578352		U 32	578382	KISAN	KI 16	578524
Multi Press MP	TH 18	578356		B 16	578468	Kisan WL	KI 20	578526
	TH 20	578358		B 20	578472	100011112	KI 25	578528
	TH 25	578360		B 26 B 32	578474 578476		KI 32	578530
	TH 26	578362	Jäger	H 14	578398		TH 16	578352
	TH 32	578364	aquapress H	H 16	578400		TH 20	578358
	TH 40	578624		H 17	578402		TH 25	578360
	F 16 F 18	578456		H 18	578404		TH 32	578364
	F 18 F 20	578458 578460		H 20	578406	KISAN	KI 16	578524
	F 26	578462		H 26	578410	Kisan WM	KI 20	578526
	F 32	578464		H 32	578412		KI 25	578528
	F 40	578478	läger	U 40 M 15	578386 578312		KI 32	578530
	H 16	578400	Jäger Niropress Typ M	M 15 M 18	578312 578314	KISAN	U 20	578378
	H 18	578404	. in oproso Typ IVI	M 22	578316	Kisan WR	U 25	578380
	H 20	578406		M 28	578318		U 32	578382
	H 25	578408		M 35	578390		U 40	578386
	H 26	578410	Jaraflex-	TH 14	578348	KISAN	M 15	578312
	H 32	578412	Presssystem	TH 16	578352	Kistal C	M 18	578314
	U 16	578374		TH 18	578356		M 22	578316
	U 18	578376		TH 20 TH 26	578358 578362		M 28	578318
	U 20	578378		TH 32	578364		M 35	578390
	U 25	578380		TH 40	578624		M 15 45° (PR-2B) <sup>3)</sup>	574522
	C 26	578392	KAN	U 16	578374		M 18 45° (PR-2B) <sup>3</sup>	574524
	U 32	578382	KAN-therm	U 20	578378		M 22 45° (PR-2B) <sup>3</sup>	574526
	U 40	578386		U 25	578380		M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup>	574528 574530
	B 16	578468		C 26	578392	KISAN	M 15	578312
	B 18 B 20	578470 578472		U 32	578382	Kistal Inox	M 18	578314
	B 26	578472	KAN	U 40	578386	Nistai IIIOX	M 22	578316
	B 20 B 32	578476	KAN KAN-therm LBP	TH 14 TH 16	578348 578352		M 28	578318
IVAR	TH 16	578352	NAN-INCIN LDF	TH 20	578358		M 35	578390
Multi Press Leak	TH 20	578358		TH 25	578360		M 15 45° (PR-2B) <sup>3)</sup>	574522
(MPL)	TH 26	578362		TH 26	578362		M 18 45° (PR-2B) <sup>3</sup>	574524
()	TH 32	578364		TH 32	578364		M 22 45° (PR-2B) <sup>3)</sup>	574526
	F 16	578456		TH 40	578624		M 28 45° (PR-2B) <sup>3)</sup>	574528
	F 20	578460		U 14	578372		M 35 45° (PR-2B)3)	574530
	F 26	578462		U 16 U 20	578374 578378	KME Q-tec	TH 14	578348
	F 32	578464		U 25	578380		TH 16	578352
	H 16	578400		C 26	578392		TH 20	578358
	H 20	578406		U 32	578382		TH 26	578362
	H 26	578410		U 40	578386	Largo-	TH 12	578346
	H 32	578412	KAN KAN there	M 15	578312	Presssystem	TH 14	578348
	U 16	578374 578378	KAN-therm	M 18 <sup>1)</sup> M 22	578314 578316		TH 16	578352
	U 20 C 26	578378 578392	Inox	M 28 <sup>1)</sup>	578318		TH 18	578356
	U 32	578382	KAN	M 15	578312		TH 20	578358
	B 16	578468	KAN-therm	M 18 <sup>1)</sup>	578314		TH 26	578362
	B 20	578472	Steel	M 22	578316		TH 32	578364
	B 26	578474		M 28 <sup>1)</sup>	578318		TH 16	578352
	B 32	578476	KE KELIT	U 16	578374	ALCOBRAPEX	TH 20 TH 26	578358 578362
VAR	TH 16	578352	KELIT KELOX	U 18 U 20	578376 578378		TH 26 TH 32	578362 578364
Plastic Multi Press	TH 20	578358		U 25	578380		TH 32 TH 40	578624
PMP	TH 25	578360		U 32	578382	LECHAR	U 16	578374
	TH 26	578362		U 40	578386	COBRAPEX	U 20	578378
	TH 32	578364	KE KELIT	M 15	578312	565.04 EA	U 25	578380
	F 16	578456	steelFIX	M 18	578314		U 32	578382
	F 20	578460	C-Stahl	M 22	578316	LEGEND-PRESS	VUS 1/2" (OD 15,9 mm)	578566
	F 26	578462		M 28	578318	press fitting	VUS <sup>3</sup> / <sub>4</sub> " (OD 22,2 mm)	578568
	F 32	578464 578400		M 35 M 15 45° (PR-2B) <sup>3)</sup>	578390 574522	system	VUS 1" (OD 28,6 mm)	578570
	H 16 H 20	578400 578406		M 18 45° (PR-2B) <sup>3</sup>	574522		VUS 11/4" (OD 34,9 mm)	578606
	H 20 H 25	578406 578408		M 22 45° (PR-2B) <sup>3</sup>	574526	LK Systems	V 12	578324
	H 25 H 26	578408 578410		M 28 45° (PR-2B)3)	574528	LK >B <press< td=""><td>V 15</td><td>578328</td></press<>	V 15	578328
	H 32	578412		M 35 45° (PR-2B) <sup>3)</sup>	574530		V 18	578332
	11 JZ	578374	KE KELIT	M 15	578312		V 22	578334
				M 18	578314		V 28	578336
	U 16		steelFIX					
	U 16 U 20	578378	Edelstahl	M 22	578316		V 35	578604
	U 16 U 20 U 25	578378 578380		M 22 M 28	578318		V 35 V 12 45° (PR-2B) <sup>3)</sup>	578604 574502
	U 16 U 20 U 25 C 26	578378 578380 578392		M 22 M 28 M 35	578318 578390			
	U 16 U 20 U 25 C 26 U 32	578378 578380 578392 578382		M 22 M 28 M 35 M 15 45° (PR-2B) <sup>3)</sup>	578318 578390 574522		V 12 45° (PR-2B)3)	574502
	U 16 U 20 U 25 C 26 U 32 B 16	578378 578380 578392 578382 578468		M 22 M 28 M 35 M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup>	578318 578390 574522 574524		V 12 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup>	574502 574504
	U 16 U 20 U 25 C 26 U 32	578378 578380 578392 578382		M 22 M 28 M 35 M 15 45° (PR-2B) <sup>3)</sup>	578318 578390 574522 574524 574526		V 12 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup>	574502 574504 574506

Pressfitting systems for gas installations must only be pressed with REMS pressing tongs Mini/pressing rings which are highlighted in yellow. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw. <sup>2)</sup> For taking suitable pressing inserts.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 134.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

Pressing tongs for additional pressfitting systems on request.

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
_K Systems	V 12	578324	MEGARO	TH 16	578352	Nicoll Fluxo	TH 16	578352
K >B <press< td=""><td>V 15</td><td>578328</td><td>MEGAPRESS MP</td><td></td><td>578358</td><td></td><td>TH 20</td><td>578358</td></press<>	V 15	578328	MEGAPRESS MP		578358		TH 20	578358
Elförzinkat	V 18	578332		TH 26	578362		TH 26	578362
	V 22	578334		TH 32	578364		TH 32 TH 40	578364 578624
	V 28	578336		F 16	578456 578460	Nicoll Fluxo Gas	TH 16	578352
	V 35	578604		F 20 F 26	578460 578462	Aloon Fluxo Gas	TH 10 TH 20	578358
	V 12 45° (PR-2B) <sup>3</sup>	574502		F 20 F 32	578464 578464		TH 26	578362
	V 15 45° (PR-2B) <sup>3</sup>	574504		F 40	578478	NIROTEC	M 15	578312
	V 18 45° (PR-2B) <sup>3</sup>	574506		H 16	578400	PRESSFITTING	M 18	578314
	V 22 45° (PR-2B) <sup>3)</sup>	574508		H 20	578406		M 22	578316
	V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup>	574510 574512		H 26	578410		M 28	578318
K Custome				H 32	578412	N.T.M. WINNY-AL	TH 14 TH 16	578348 578352
K Systems K >B <press< td=""><td>V 15 V 18</td><td>578328 578332</td><td></td><td>U 16</td><td>578374</td><td></td><td>TH 18</td><td>578356</td></press<>	V 15 V 18	578328 578332		U 16	578374		TH 18	578356
as	V 22	578334		U 20	578378		TH 20	578358
103	V 28	578336		U 32	578382		TH 26	578362
	V 35	578604		B 16	578468		TH 32	578364
	V 15 45° (PR-2B) <sup>3)</sup>	574504		B 20 B 26	578472 578474		H 14	578398
	V 18 45° (PR-2B) <sup>3)</sup>	574506		B 32	578476		H 16	578400
	V 22 45° (PR-2B) <sup>3)</sup>	574508	MEGARO	TH 16	578352		H 18 H 20	578404 578406
	V 28 45° (PR-2B) <sup>3)</sup>	574510	MEGAPRESS	TH 20	578358		H 20 H 26	578406 578410
	V 35 45° (PR-2B)3)	574512	MPL	TH 26	578362		H 32	578412
K Systems	TH 16	578352		TH 32	578364		U 14	578372
K Universal	TH 20	578358		F 16	578456		U 16	578374
	TH 25	578360		F 20	578460		U 18	578376
	TH 32	578364		F 26	578462		U 20	578378
	TH 40	578624		F 32	578464		U 25	578380
/I-DAHL	U 16	578374		F 40	578478	NUPIGECO	U 32 U 14	578382 578372
Itech-Alupex	U 20	578378		H 16	578400	Multinupi	U 14 U 16	578372 578374
	U 25	578380		H 20 H 26	578406 578410	maranupi	U 18	578376
	U 32	578382		H 26 H 32	578410 578412		U 20	578378
lair Heiztechnik	M 12	578310		H 32 U 16	578412 578374		C 26	578392
Somafix Cu/E <sup>1)</sup>	M 15	578312		U 20	578378		U 32	578382
	M 18	578314		U 32	578382		U 40	578386
	M 22	578316		B 16	578468	Nussbaum	VP 16	578482
	M 12 45° (PR-2B) <sup>3)</sup>	574520		B 20	578472	Optiflex Press	VP 20 VP 25	578484 578486
	M 15 45° (PR-2B) <sup>3)</sup>	574522		B 26	578474		VP 25 VP 32	578488
	M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup>	574524 574526		B 32	578476	Nussbaum	V 15	578328
lair Heiztechnik		578394	METALGRUP	RFz 16	578492	Optipress	V 18	578332
iomafix M	H 11,5 H 14	578398	PexGrup	RFz 20	578494	Aquaplus	V 22	578334
	H 16	578400		RFz 25	578496		V 28	578336
	H 20	578400 578406		RFz 32	578498		V 35	578604
lair Heiztechnik	H 11,5	578394	METALGRUP	U 16	578374 578376		V 15 45° (PR-2B) <sup>3)</sup>	574504
1-Press	H 11,5 H 14	578398	MultiGrup	U 18 U 20	578376 578378		V 18 45° (PR-2B) <sup>3)</sup>	574506 574508
ŀ	H 14 H 16	578400		U 25	578380		V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup>	574508 574510
	H 20	578406		U 32	578382		V 35 45° (PR-2B) <sup>3</sup>	574512
	H 26	578410	MULTITHERM	TH 16	578352	Nussbaum	V 15	578328
	H 32	578412		TH 18	578356	Optipress Gaz	V 18	578332
la.s.ter System	TH 14	578348		TH 20	578358		V 22	578334
RESSMASTER	TH 16	578352		TH 26	578362		V 28	578336
	TH 18	578356		TH 32	578364		V 35 V 15 45° (PR-2B) <sup>3)</sup>	578604 574504
	TH 20	578358	N.414*	TH 40	578624		V 15 45° (PR-2B) <sup>3</sup>	574504 574506
	TH 25	578360	Multicapas	RFz 16	578492		V 22 45° (PR-2B) <sup>3)</sup>	574508
	TH 26	578362	Industrial AIS PEX	RFz 20 RFz 25	578494 578496		V 28 45° (PR-2B) <sup>3)</sup>	574510
	TH 32	578364		RF2 25 RFz 32	578498		V 35 45° (PR-2B) <sup>3)</sup>	574512
	TH 40	578624	Multicapas	MT 20	578560	Nussbaum	V 15	578328
	H 14	578398	Industrial	MT 25	578562	Optipress-Therm	V 18	578332
	H 16	578400	multitubo systems		578564		V 22	578334
	H 18	578404	MC	U 16	578374		V 28 V 35	578336 578604
	H 20	578406		U 18	578376		V 35 V 15 45° (PR-2B) <sup>3)</sup>	578604 574504
	H 26	578410		U 20	578378		V 18 45° (PR-2B) <sup>3</sup>	574506
	H 32 U 14	578412 578372		U 25	578380		V 22 45° (PR-2B) <sup>3)</sup>	574508
	U 14 U 16	578372 578374		U 32	578382		V 28 45° (PR-2B)3)	574510
	U 18	578374 578376	N 4 14:	U 40	578386		V 35 45° (PR-2B) <sup>3)</sup>	574512
	U 20	578378	Multicapas Industrial	H 16	578400 578406	O.M.T Press	TH 16	578352
	U 25	578380	industrial multitubo systems	H 20 H 25	578406 578408		TH 20	578358 578362
	U 32	578382	MM	H 26	578408 578410		TH 26 TH 32	578362 578364
	U 40	578386	IVIIVI	H 32	578412		TH 32 TH 40	578364 578624
IAXITUB	RFz 12	578490		MT 20	578560	Oteraccordi	M 12	578310
AXIPRESS	RFz 16	578492		MT 25	578562	Oter Tecno <sup>1)</sup>	M 15	578312
	RFz 20	578494		MT 32	578564		M 18	578314
	RFz 25	578496		RFz 16	578492		M 22	578316
	RFz 32	578498		RFz 20	578494		M 28	578318
IAXITUB	TH 14	578348		RFz 25	578496	Otorganard	M 35	578390
IETALPEX	TH 16	578352		RFz 32	578498	Oteraccordi Oter Tecno	M 12 M 15	578310 578312
	TH 20	578358		TH 16	578352	carbonio <sup>1)</sup>	M 15 M 18	578312 578314
	TH 26	578362		TH 20	578358		M 22	578316
	TH 32	578364		TH 25	578360		M 28	578318
EGARO	H 11,5	578394		TH 26 TH 32	578362 578364		M 35	578390
AKAPRESS	H 14	578398		U 16	578364 578374	Oventrop Cofit P	H 16 A	578420
	H 16	578400		U 16 U 20	578374 578378		H 20 A	578426
	H 17	578402		U 25	578380		H 26 A	578430
	H 18	578404		U 32	578382	DD 7/12	H 32 A	578432
	H 20	578406	NEUTHERM	H 16	578400	PB TUB	RFz 12	578490
	H 26	578410	MEKUPRESS-HT		578406	SERTIPRESS	RFz 16	578492 578494
	H 32	578412		H 26	578410		RFz 20 RFz 25	578494 578496
IEGARO	B 16	578468		H 32	578412	Pegler Vorkohire	RFz 25	578496
EGAPRESS	B 20	578472	NIBCO (USA)	VUS 1/2" (OD 15,9 mm)	578566	Pegler Yorkshire XPress Carbon	M 15 M 18 <sup>1)</sup>	578312 578314
	B 26	578474	Press System	VUS <sup>3</sup> / <sub>4</sub> " (OD 22,2 mm)	578568	ALICSS COLDUIT	M 22	578314 578316
			· · · ·	. , ,				
	B 32	578476	Copper	VUS 1" (OD 28,6 mm)	578570		M 28 <sup>1)</sup>	578318

### Accessories for REMS Mini-Press ACC

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
	M 12	578310	PLASTICA ALFA	H 16	578400	PLOMYPLAS	RFz 16	578492
	M 15	578312	Multypexalfa Gas	H 20	578406	plomyPRESS	RFz 20	578494
	M 18 <sup>1)</sup>	578314	protek	H 26	578410	plomyPEX EVAL	RFz 25	578496
	M 22	578316	PLASTICA ALFA	H 16	578400		RFz 32	578498
	M 28 <sup>1)</sup> M 35	578318 578390	Multypex Plus	H 20 H 26	578406 578410		TH 16	578352
	M 15 45° (PR-2B) <sup>3)</sup>	574522	Flus	H 32	578412		TH 20	578358
	M 18 45° (PR-2B) <sup>3</sup>	574524		U 16	578374		TH 25	578360
	M 22 45° (PR-2B) <sup>3)</sup>	574526		U 20	578378		TH 32	578364
	M 28 45° (PR-2B) <sup>3)</sup>	574528		C 26	578392			
	M 35 45° (PR-2B) <sup>3)</sup>	574530		U 32	578382		U 16	578374
	M 15	578312	PLASTICA ALFA	H 16	578400		U 20	578378
	M 18 <sup>1)</sup>	578314	Multypex	H 20	578406		U 25	578380
	M 22	578316	Thermo	H 26	578410		U 32	578382
	M 28 <sup>1)</sup> M 35	578318		H 32 U 16	578412	PLUMBING PLUS	VAU 15 (OD 12,7 mm)	578630
	TH 14	578390 578348		U 20	578374 578378	PRESS PLUS	VAU 20 (OD 19,1 mm)	578632
	TH 16	578352		C 26	578392	(AUS)	VAU 25 (OD 25,4 mm)	578634
	TH 18	578356		U 32	578382		VAU 32 (OD 31,8 mm)	578636
	TH 20	578358	PLASTICA ALFA	H 16	578400	POLYPIPE	F 16	578456
	TH 26	578362	Multypex	H 20	578406	POLYPRESS	F 20	578460
	M 15	578312	Thermo Plus	H 26	578410	I OLITINEOO	F 26	578462
	M 18 <sup>1)</sup>	578314		H 32	578412		F 32	
	M 22	578316		U 16	578374			578464
	M 28 <sup>1)</sup>	578318		U 20	578378		F 40	578478
	M 35	578390		C 26	578392	POLYPIPE	TH 10	578342
	M 15	578312		U 32	578382	POLYSURE	TH 15	578350
	M 18 <sup>1)</sup> M 22	578314 578316	PLÁSTICOS FERRO	RFz 16 RFz 20	578492 578494		TH 22	578588
	M 22 M 28 <sup>1)</sup>	578316 578318	FERROPLAST	RFz 20 RFz 25	578494 578496		TH 28	578590
	M 28'7 M 35	578390	Pressfitting PE-X	RFZ 25 RFz 32	578496	POLYSAN	M 15	578312
	U 16	578374	PLOMYPLAS	RFz 16	578492	Handelsges.	M 18	578314
	U 20	578378	plomyPRESS	RFz 20	578494	m.b.H. & Co KG	M 22	578316
	U 25	578380	plomyAIR	RFz 25	578496	(Krems/Öster-	M 28	578318
	U 32	578382		RFz 32	578498			578390
	U 16	578374		TH 16	578352	reich) POLYSAN-	M 35	578390 574522
	U 18	578376		TH 20	578358		M 15 45° (PR-2B) <sup>3)</sup>	
	U 20	578378		TH 25	578360	C Stahl-Press-	M 18 45° (PR-2B) <sup>3)</sup>	574524
	U 25	578380		TH 32	578364	System M	M 22 45° (PR-2B) <sup>3)</sup>	574526
	U 32 U 40	578382		U 16	578374		M 28 45° (PR-2B) <sup>3)</sup>	574528
	M 15	578386 578312		U 20 U 25	578378 578380		M 35 45° (PR-2B) <sup>3)</sup>	574530
	M 18	578314		U 32	578382	POLYSAN	V 15	578328
	M 22	578316	PLOMYPLAS	TH 16	578352	Handelsges.	V 18	578332
	M 28	578318	plomyPRESS	TH 20	578358	m.b.H. & Co KG	V 22	578334
	M 35	578390	plomyGAS	TH 25	578360	(Krems/Öster-	V 28	578336
	M 15 45° (PR-2B)3)	574522		TH 32	578364	reich)	V 35	578604
	M 18 45° (PR-2B) <sup>3)</sup>	574524	PLOMYPLAS	RFz 16	578492	,		
	M 22 45° (PR-2B) <sup>3)</sup>	574526	plomyPRESS	RFz 20	578494	POLYSAN-	V 15 45° (PR-2B) <sup>3)</sup>	574504
	M 28 45° (PR-2B) <sup>3)</sup>	574528	plomyLAYER	RFz 25	578496	C Stahl-Press-	V 18 45° (PR-2B) <sup>3)</sup>	574506
	M 35 45° (PR-2B) <sup>3)</sup>	574530		RFz 32	578498	System V	V 22 45° (PR-2B) <sup>3)</sup>	574508
	RFz 16	578492		TH 16	578352		V 28 45° (PR-2B) <sup>3)</sup>	574510
	RFz 20	578494 578496		TH 20 TH 25	578358		V 35 45° (PR-2B) <sup>3)</sup>	574512
	RFz 25 RFz 32	578498		TH 25 TH 32	578360 578364	POLYSAN	M 15	578312
	M 15	578312		U 16	578374	Handelsges.	M 18	578314
	M 18	578314		U 20	578378	m.b.H. & Co KG	M 22	578316
	M 22	578316		U 25	578380	(Krems/Öster-	M 28	578318
	M 28	578318		U 32	578382	reich)	M 35	578390
	M 35	578390	PLOMYPLAS	RFz 16	578492	POLYSAN-	M 15 45° (PR-2B) <sup>3)</sup>	574522
	M 15 45° (PR-2B) <sup>3)</sup>	574522	plomyPRESS	RFz 20	578494	Edelstahl		574522
	M 18 45° (PR-2B) <sup>3</sup>	574524	plomyLAYER PEX		578496		M 18 45° (PR-2B) <sup>3</sup>	
	M 22 45° (PR-2B) <sup>3</sup>	574526		RFz 32	578498	Press-System	M 22 45° (PR-2B) <sup>3</sup>	
	M 28 45° (PR-2B) <sup>3</sup> M 35 45° (PR-2B) <sup>3</sup>	574528 574530		IH 16 TH 20	578352 578358	Gas	M 28 45° (PR-2B) <sup>3)</sup>	
	TH 16	578352		TH 20 TH 25	578358 578360		M 35 45° (PR-2B) <sup>3)</sup>	574530
	TH 18	578356		TH 25 TH 32	578364	POLYSAN	M 15	578312
	TH 20	578358		U 16	578374	Handelsges.	M 18	578314
	TH 26	578362		U 20	578378	m.b.H. & Co KG	M 22	578316
	TH 32	578364		U 25	578380	(Krems/Öster-	M 28	578318
	TH 40	578624		U 32	578382	reich)	M 35	578390
	TH 16	578352	PLOMYPLAS	RFz 16	578492	POLYSAN-	M 15 45° (PR-2B)3)	574522
	TH 20	578358	plomyPRESS	RFz 20	578494	Edelstahl	M 18 45° (PR-2B) <sup>3)</sup>	574524
	TH 26	578362	plomyPERT EVAL		578496	Press-System	M 22 45° (PR-2B) <sup>3</sup>	574526
	TH 32	578364		RFz 32	578498	•	· · · ·	
	TH 40	578624		TH 16	578352	Wasser	M 28 45° (PR-2B) <sup>3</sup>	574528
	H 16 H 20	578400 578406		TH 20 TH 25	578358 578360	B B L L B L L L	M 35 45° (PR-2B) <sup>3)</sup>	574530
	H 20 H 26	578410		TH 25 TH 32	578364	POLYSAN	TH 14	578348
	H 32	578412		U 16	578374	Handelsges.	TH 16	578352
	U 16	578374		U 20	578378	m.b.H. & Co KG	TH 17	578354
	U 20	578378		U 25	578380	(Krems/Öster-	TH 18	578356
	C 26	578392		U 32	578382	reich)	TH 20	578358
	U 32	578382	PLOMYPLAS	RFz 16	578492	POLYSAN-Henco-		578362
	H 16	578400	plomyPRESS	RFz 20	578494	Press-System		
	H 20	578406	plomyPEX	RFz 25	578496	POLYSAN	TH 14	578348
	H 26	578410		RFz 32	578498			
	H 32	578412		TH 16	578352	Handelsges.	TH 16	578352
	U 16	578374		TH 20 TH 25	578358	m.b.H. & Co KG	TH 17	578354
					578360	(Krems/Öster-	TH 18	578356
	U 20	578378						
	U 20 C 26	578392		TH 32	578364	reich)	TH 20	578358
	U 20 C 26 U 32	578392 578382		TH 32 U 16	578364 578374		TH 20 TH 26	
PLASTICA ALFA	U 20 C 26	578392		TH 32	578364	reich)		578358

Pressfitting systems for gas installations must only be pressed with REMS pressing tongs Mini/pressing rings which are highlighted in yellow. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw. <sup>2)</sup> For taking suitable pressing inserts.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 134.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

Pressing tongs for additional pressfitting systems on request.

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
POLYSAN	U 16	578374	Rofix Climatrix	H 16	578400	SANHA-NiroSan-	SA 15	578514 578518
(España) Rainbow	U 18 U 20	578376 578378	Rhinopex	H 20 U 16	578406 578374	Presssystem Serie 9000	SA 18 SA 22	578520
Rainbow	U 25	578380		U 20	578378		SA 28	578522
	U 32	578382		TH 14	578348		M 15 <sup>1)</sup>	578312
	U 40	578386		TH 16	578352		M 18 <sup>1)</sup>	578314
Prandelli	H 14	578398		TH 18	578356		M 22 <sup>1)</sup> M 28	578316 578318
Multyrama Pf	H 16	578400		TH 20	578358		M 35	578390
	H 18	578404		TH 26	578362		M 15 45° (PR-2B) <sup>3)</sup>	574522
	H 20	578406	Deth	TH 32	578364		M 18 45° (PR-2B) <sup>3)</sup>	574524
	H 26	578410	Roth	RN 14 RN 17	578434 578436		M 22 45° (PR-2B) <sup>3)</sup>	574526
Drandalli	H 32	578412		RN 20	578438		M 28 45° (PR-2B) <sup>3</sup> M 35 45° (PR-2B) <sup>3</sup>	574528 574530
Prandelli Multyrama Pfm	H 16 H 18	578400 578404		RN 25/26	578440		V 15 <sup>1)</sup>	578328
waityraina i ini	H 20	578406		RN 32	578442		V 18 <sup>1)</sup>	578332
	H 26	578410	Roth Nordic	RN 16	578454		V 221)	578334
	H 32	578412	Alu-LaserPlus/	RN 20	578438		V 28	578336
	TH 16	578352	PressCheck	RN 25/26	578440		V 35 V 15 45° (PR-2B) <sup>3)</sup>	578604 574504
	TH 18	578356	(DNK-NOR-SWE-FIN)		578442		V 18 45° (PR-2B) <sup>3</sup>	574506
	TH 20	578358	Rubinetterie Bresciane	M 15 M 18	578312 578314		V 22 45° (PR-2B) <sup>3)</sup>	574508
	TH 26 TH 32	578362	Bonomi	M 22	578316		V 28 45° (PR-2B) <sup>3)</sup>	574510
	U 16	578364 578374	TURBO INOX	M 28	578318		V 35 45° (PR-2B) <sup>3)</sup>	574512
	U 18	578376		M 35	578390	SANHA-NiroSan-	SA 15 SA 18	578514 578518
	U 20	578378		M 15 45° (PR-2B)3)	574522	Presssystem Serie 19000	SA 18 SA 22	578520
PRASKI	TH 10	578342		M 18 45° (PR-2B)3)	574524	(silicone free)	SA 28	578522
BAVARIA-press	TH 14	578348		M 22 45° (PR-2B) <sup>3)</sup>	574526	,	M 15 <sup>1)</sup>	578312
	TH 16	578352		M 28 45° (PR-2B) <sup>3</sup>	574528		M 18 <sup>1)</sup>	578314
	TH 17	578354	Dubi # 1	M 35 45° (PR-2B) <sup>3)</sup>	574530		M 22 <sup>1)</sup>	578316
	TH 20	578358	Rubinetterie	M 15	578312		M 28 M 35	578318 578390
	TH 26	578362	Bresciane Bonomi	M 18 M 22	578314 578316		M 15 45° (PR-2B) <sup>3)</sup>	574522
	TH 32	578364	TURBO STEEL	M 28	578318		M 18 45° (PR-2B)3)	574524
Dooordoric	TH 40	578624		M 35	578390		M 22 45° (PR-2B) <sup>3)</sup>	574526
Raccorderie Metalliche	M 15 M 18	578312 578314		M 15 45° (PR-2B) <sup>3)</sup>	574522		M 28 45° (PR-2B) <sup>3)</sup>	574528
aesPRES <sup>1)</sup>	M 18 M 22	578316		M 18 45° (PR-2B) <sup>3)</sup>	574524		M 35 45° (PR-2B) <sup>3)</sup>	574530
	M 28	578318		M 22 45° (PR-2B) <sup>3)</sup>	574526		V 15 <sup>1)</sup> V 18 <sup>1)</sup>	578328 578332
Raccorderie	M 15	578312		M 28 45° (PR-2B) <sup>3)</sup>	574528		V 22 <sup>1)</sup>	578334
Metalliche	M 18	578314		M 35 45° (PR-2B) <sup>3)</sup>	574530		V 28	578336
inoxPRES <sup>1)</sup>	M 22	578316	Rubinetterie	TH 14	578348		V 35	578604
	M 28	578318	Bresciane	TH 16 TH 18	578352 578356		V 15 45° (PR-2B) <sup>3)</sup>	574504
Raccorderie	M 15	578312	Bonomi TURBO PRESS	TH 18 TH 20	578358		V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup>	574506 574508
Metalliche	M 18	578314	TORBOTTLEOG	TH 26	578362		V 28 45° (PR-2B) <sup>3</sup>	574510
steelPRES <sup>1)</sup>	M 22	578316		TH 32	578364		V 35 45° (PR-2B)3)	574512
	M 28	578318		TH 40	578624	SANHA-NiroSan-	SA 15	578514
RBM Tita-gas	TH 16 TH 20	578352 578358	Rubinetterie	TH 16	578352	Presssystem Gas		578518
	TH 26	578362	Bresciane	TH 20	578358	Serie 17000	SA 22 SA 28	578520 578522
	TH 32	578364	Bonomi	TH 26	578362		M 15 <sup>1)</sup>	578312
RBM Tita-fix	B 14	578466	TURBO PRESS	TH 32	578364		M 18 <sup>1)</sup>	578314
	B 16	578468	GAS SA ML plantin	TH 14	578348		M 22 <sup>1)</sup>	578316
	B 18	578470	SA.MI plastic	TH 14 TH 16	578352		M 28	578318
	B 20	578472		TH 18	578356		M 35 M 15 45° (PR-2B) <sup>3)</sup>	578390 574522
	B 26	578474		TH 20	578358		M 15 45 (PR-2B) <sup>3</sup>	574522
	F 16	578456		TH 26	578362		M 22 45° (PR-2B) <sup>3)</sup>	574526
	F 18	578458		TH 32	578364		M 28 45° (PR-2B)3)	574528
	F 20 H 14	578460 578398		TH 40	578624		M 35 45° (PR-2B) <sup>3)</sup>	574530
	H 16	578400	SA.MI plastic	TH 16	578352		V 15 <sup>1)</sup>	578328
	H 18	578404	Multistrato Gas	TH 20	578358		V 18 <sup>1)</sup> V 22 <sup>1)</sup>	578332 578334
	H 20	578406		TH 26	578362		V 22 V V 28	578336
	H 26	578410	CANILIA	TH 32	578364		V 35	578604
	H 32	578412	SANHA 3fit-Press	TH 14 TH 16	578348 578352		V 15 45° (PR-2B)3)	574504
	TH 14	578348	Serie 25000	TH 10 TH 20	578358		V 18 45° (PR-2B)3)	574506
	TH 16	578352	20.10 E0000	TH 26	578362		V 22 45° (PR-2B) <sup>3)</sup>	574508
	TH 18	578356		TH 32	578364		V 28 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup>	574510 574512
	TH 20	578358		TH 40	578624	SANHA-	SA 12	578510
	TH 26	578362		U 14	578372	Pressfittings	SA 14	578512
	TH 32 TH 40	578364 578624		U 16	578374	Serie 6000/	SA 15	578514
	U 14	578372	0.00	U 20	578378	Serie 8000	SA 16	578516
	U 16	578374	SANHA-Press	SA 12	578510		SA 18	578518 578520
	U 18	578376	Chrom Serie 16000	SA 15 SA 18	578514 578518		SA 22 SA 28	578520 578522
	U 20	578378	0010 10000	SA 18 SA 22	578520		M 12	578310
Redi Nicoll Fluxo	TH 16	578352		SA 28	578522		M 15 <sup>1)</sup>	578312
	TH 20	578358		M 12	578310		M 18 <sup>1)</sup>	578314
	TH 26	578362		M 15 <sup>1)</sup>	578312		M 22 <sup>1)</sup>	578316
							M 28	578318
	TH 32	578364		M 18 <sup>1)</sup>	578314		M 35	578390
	TH 32 TH 40	578624		M 22 <sup>1)</sup>	578316		M 35 M 12 45° (PR-2B) <sup>3)</sup>	578390 574520
	TH 32 TH 40 TH 16	578624 578352		M 22 <sup>1)</sup> M 28	578316 578318		M 35 M 12 45° (PR-2B) <sup>3)</sup> M 15 45° (PR-2B) <sup>3)</sup>	578390 574520 574522
Redi Nicoll Fluxo Gas	TH 32 TH 40 TH 16 TH 20	578624 578352 578358		M 22 <sup>1)</sup> M 28 M 35	578316 578318 578390		M 12 45° (PR-2B) <sup>3)</sup> M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup>	574520 574522 574524
Gas	TH 32 TH 40 TH 16 TH 20 TH 26	578624 578352 578358 578362		M 22 <sup>1)</sup> M 28 M 35 M 12 45° (PR-2B) <sup>3)</sup>	578316 578318 578390 574520		M 12 45° (PR-2B) <sup>3)</sup> M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup>	574520 574522 574524 574526
Gas RIFENG U	TH 32 TH 40 TH 16 TH 20 TH 26 U 14	578624 578352 578358 578362 578372		M 22 <sup>1)</sup> M 28 M 35 M 12 45° (PR-2B) <sup>3)</sup> M 15 45° (PR-2B) <sup>3)</sup>	578316 578318 578390 574520 574522		M 12 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup> M 18 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup>	574520 574522 574524 574526 574528
Gas RIFENG U PRESS FITTING	TH 32 TH 40 TH 16 TH 20 TH 26 U 14	578624 578352 578358 578362 578372 578374		M 22 <sup>1)</sup> M 28 M 35 M 12 45° (PR-2B) <sup>3)</sup> M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup>	578316 578318 578390 574520 574522 574522		M 12 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup> M 18 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup> M 35 45° (PR-2B) <sup>3</sup>	574520 574522 574524 574526 574528 574528 574530
	TH 32 TH 40 TH 16 TH 20 TH 26 U 14 U 16	578624 578352 578358 578362 578372		$\begin{array}{l} M \; 22 \; ^{1)} \\ M \; 28 \\ M \; 35 \\ M \; 12 \; \; 45^\circ \; (PR\text{-}2B)^3) \\ M \; 15 \; \; 45^\circ \; (PR\text{-}2B)^3) \\ M \; 18 \; \; 45^\circ \; (PR\text{-}2B)^3) \\ M \; 22 \; \; 45^\circ \; (PR\text{-}2B)^3) \end{array}$	578316 578318 578390 574520 574522 574522 574524 574526		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^3) \\ M \ 15 \ 45^\circ \ (PR-2B)^3) \\ M \ 18 \ 45^\circ \ (PR-2B)^3) \\ M \ 22 \ 45^\circ \ (PR-2B)^3) \\ M \ 28 \ 45^\circ \ (PR-2B)^3) \\ M \ 35 \ 45^\circ \ (PR-2B)^3) \\ V \ 12 \end{array}$	574520 574522 574524 574526 574528 574528 574530 578324
Gas RIFENG U PRESS FITTING	TH 32 TH 40 TH 16 TH 20 TH 26 U 14 U 16 U 16 U 18	578624 578352 578358 578362 578372 578374 578376		M 22 <sup>1)</sup> M 28 M 35 M 12 45° (PR-2B) <sup>3)</sup> M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup>	578316 578318 578390 574520 574522 574522		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 23 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \\ V \ 14 \\ VG \ 14 \end{array}$	574520 574522 574524 574526 574528 574528 574530
Gas RIFENG U PRESS FITTING	TH 32 TH 40 TH 16 TH 20 TH 26 U 14 U 16 U 18 U 20	578624 578352 578358 578362 578372 578374 578376 578376 578378		$\begin{array}{c} M \ 22^{\ 1)} \\ M \ 28 \\ M \ 35 \\ M \ 15 \\ 45^{\circ} \ (PR-2B)^{3)} \\ M \ 15 \\ 45^{\circ} \ (PR-2B)^{3)} \\ M \ 18 \\ 45^{\circ} \ (PR-2B)^{3)} \\ M \ 22 \\ 45^{\circ} \ (PR-2B)^{3)} \\ M \ 28 \\ 45^{\circ} \ (PR-2B)^{3)} \end{array}$	578316 578318 578390 574520 574522 574522 574526 574526 574528		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^{\circ)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{\circ)} \\ M \ 18 \ 45^\circ \ (PR-2B)^{\circ)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{\circ)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^\circ \ (PR-2B)^{\circ)} \\ V \ 12 \\ V \ 14 \\ VG \ 14 \\ V \ 15 \ ^{\circ} \end{array}$	574520 574522 574524 574526 574528 574530 578324 578324 578326 578338 578328
Gas RIFENG U PRESS FITTING	TH 32 TH 40 TH 16 TH 20 TH 26 U 14 U 16 U 18 U 20 U 25	578624 578352 578358 578362 578372 578374 578376 578378 578378 578380		$\begin{array}{l} M \ 22^{\ 1)} \\ M \ 28 \\ M \ 35 \\ M \ 12 \ \ 45^{\circ} \ (PR-2B)^{3)} \\ M \ 15 \ \ 45^{\circ} \ (PR-2B)^{3)} \\ M \ 22 \ \ 45^{\circ} \ (PR-2B)^{3)} \\ M \ 22 \ \ 45^{\circ} \ (PR-2B)^{3)} \\ M \ 28 \ \ 45^{\circ} \ (PR-2B)^{3)} \\ M \ 35 \ \ 45^{\circ} \ (PR-2B)^{3)} \end{array}$	578316 578318 574520 574522 574522 574524 574526 574528 574528 574530		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 24 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \\ V \ 14 \\ VG \ 14 \\ V \ 15 \ ^{1)} \\ V \ 16 \\ V \ 16 \\ \end{array}$	574520 574522 574524 574526 574528 574530 578324 578324 578326 578338 578328 578330
Gas RIFENG U PRESS FITTING (F5) RIFENG TH	TH 32 TH 40 TH 16 TH 20 TH 20 U 14 U 16 U 18 U 20 U 25 U 32 U 40 TH 16	578624 578352 578358 578362 578372 578376 578376 578376 578378 578380 578380 578382 578386 578386 5783852		$\begin{array}{l} M \ 22 \ ^{1)} \\ M \ 28 \\ M \ 35 \\ M \ 12 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 24 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 25 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 25 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 25 \ \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \\ V \ 15^{\ 1)} \\ V \ 18^{\ 1)} \end{array}$	578316 578390 574520 574522 574524 574526 574528 574528 574530 578324 578324 578328		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 14 \\ V \ 15^{1)} \\ V \ 14 \\ V \ 15^{1)} \\ V \ 16 \\ V \ 16 \\ V \ 16 \\ \end{array}$	574520 574522 574524 574526 574528 574530 578324 578326 578338 578338 578330 578330 578330 578340
Gas RIFENG U PRESS FITTING (F5) RIFENG TH PRESS FITTING	TH 32 TH 40 TH 16 TH 20 TH 26 U 14 U 16 U 18 U 20 U 25 U 32 U 40 TH 16 TH 16 TH 20	578624 578352 578358 578362 578374 578376 578378 578378 578380 578380 578382 578386 578382 578386 578352 578358		$\begin{array}{l} M \ 22^{1)} \\ M \ 28 \\ M \ 35 \\ M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \ V \ 15^{1)} \\ V \ 12 \\ V \ 15^{1)} \\ V \ 18^{1)} \\ V \ 22^{1)} \end{array}$	578316 578390 574520 574522 574522 574526 574528 574528 574528 574530 578324 578324 578322 578332		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 35 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \\ V \ 14 \\ VG \ 14 \\ V \ 15 \ ^1) \\ V \ 16 \\ VG \ 16 \\ VG \ 16 \\ V \ 18^{11} \end{array}$	574520 574522 574524 574526 574528 574530 578324 578326 578338 578338 578338 578330 578330 578330
Gas RIFENG U PRESS FITTING (F5) RIFENG TH PRESS FITTING	TH 32 TH 40 TH 16 TH 20 TH 20 U 14 U 16 U 18 U 20 U 25 U 32 U 40 TH 16 TH 20 TH 25	578624 578352 578358 578362 578372 578374 578376 578378 578380 578380 578382 578386 578382 578386 578358 578358 578358		$\begin{array}{l} M \; 22 \; ^{\prime )} \\ M \; 28 \\ M \; 35 \\ M \; 12 \; \; 45^\circ \; (PR-2B)^{3 )} \\ M \; 15 \; \; 45^\circ \; (PR-2B)^{3 )} \\ M \; 18 \; \; 45^\circ \; (PR-2B)^{3 )} \\ M \; 22 \; \; 45^\circ \; (PR-2B)^{3 )} \\ M \; 24 \; 56^\circ \; (PR-2B)^{3 )} \\ M \; 24 \; 45^\circ \; (PR-2B)^{3 )} \\ M \; 35 \; \; 45^\circ \; (PR-2B)^{3 )} \\ V \; 12 \\ V \; 15 \; ^{1 )} \\ V \; 15 \; ^{1 )} \\ V \; 15 \; ^{1 )} \\ V \; 22^{1 )} \\ V \; 28 \end{array}$	578316 578318 578390 574520 574522 574524 574526 574526 574526 574526 578322 578324 578328 578322 578332 578334 578336		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 35 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \\ V \ 14 \\ VG \ 14 \\ VG \ 14 \\ V \ 15^{11} \\ V \ 16 \\ VG \ 16 \\ V \ 18^{11} \\ V \ 22^{11} \end{array}$	574520 574522 574524 574526 574526 574530 578324 578324 578326 578338 578338 578330 578330 578330 578332 578332
Gas RIFENG U PRESS FITTING (F5) RIFENG TH PRESS FITTING	TH 32 TH 40 TH 16 TH 20 TH 26 U 14 U 16 U 18 U 20 U 20 U 25 U 32 U 40 TH 16 TH 20 TH 25 TH 26	578624 578352 578358 578362 578374 578376 578376 578378 578380 578382 578386 578352 578358 578358 578358 578358 578358 578360 578362		$\begin{array}{l} M \ 22^{1)} \\ M \ 28 \\ M \ 35 \\ M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 24 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 23 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \\ V \ 15^{1)} \\ V \ 12 \\ V \ 15^{1)} \\ V \ 18^{1)} \\ V \ 22^{1)} \\ V \ 28 \\ V \ 35 \end{array}$	578316 578390 574520 574522 574524 574526 574526 574528 574528 578324 578324 578322 578332 578332 578334 578336 578604		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 35 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \\ V \ 14 \\ VG \ 14 \\ V \ 15 \ ^1) \\ V \ 16 \\ VG \ 16 \\ VG \ 16 \\ V \ 18^{11} \end{array}$	574520 574522 574524 574526 574526 574530 578324 578326 578338 578338 578338 578330 578340 578332
Gas RIFENG U PRESS FITTING (F5) RIFENG TH PRESS FITTING	TH 32 TH 40 TH 16 TH 20 TH 26 U 14 U 16 U 18 U 20 U 25 U 32 U 40 TH 16 TH 20 TH 25 TH 26 TH 32	578624 578352 578358 578362 578374 578376 578378 578378 578380 578382 578386 578352 578358 578358 578358 578358 578360 578362 578362 578364		$\begin{array}{l} M \ 22 \ ^{1)} \\ M \ 28 \\ M \ 35 \\ M \ 12 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 26 \ \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \ \ 15^\circ \\ V \ 18^\circ \\ V \ 12^\circ \ (PR-2B)^3 \\ \end{array}$	578316 578318 578390 574520 574522 574526 574526 574528 574528 574530 578324 578328 578332 578332 578334 578336 578336 578604 574502		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 35 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \\ V \ 14 \\ VG \ 14 \\ VG \ 14 \\ VG \ 14 \\ V \ 16 \\ VG \ 16 \\ V \ 22 \ ^{1)} \\ V \ 22 \ ^{1)} \\ V \ 22 \ ^{10} \\ V \ 28 \\ V \ 35 \\ V \ 12 \ 45^\circ \ (PR-2B)^{3)} \end{array}$	574520 574522 574524 574526 574528 574530 578324 578326 578328 578328 578330 578320 578330 578340 578332 578332 578334 578336 578336 578604 578502
Gas RIFENG U PRESS FITTING (F5) RIFENG TH PRESS FITTING (F9)	TH 32 TH 40 TH 16 TH 20 TH 26 U 14 U 16 U 18 U 20 U 25 U 32 U 40 TH 16 TH 20 TH 25 TH 25 TH 26 TH 26 TH 32 TH 40	578624 578352 578358 578362 578374 578376 578378 578378 578380 578382 578382 578382 578382 578382 578352 578358 578358 578352 578358 578364 578364 578624		$\begin{array}{l} M \ 22^{1)} \\ M \ 28 \\ M \ 35 \\ M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \ V \ 15 \ 1 \\ V \ 12 \\ V \ 15 \ 1 \\ V \ 22^{1)} \\ V \ 22^{1)} \\ V \ 22^{1} \\ V \ 22^{1} \\ V \ 22^{1} \\ V \ 25 \\ V \ 35 \\ V \ 35 \\ V \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \end{array}$	578316 578318 574520 574522 574522 574526 574528 574528 574530 578324 578322 578322 578332 578334 578336 578336 578336 578502 574502 574504		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 14 \ V \ 15^{1)} \\ V \ 16 \ V \ 16^{1} \\ V \ 16^{1} \\ V \ 16^{1} \\ V \ 22^{1} \\ V \ 28 \\ V \ 28 \\ V \ 28 \\ V \ 28 \\ V \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \end{array}$	574520 574522 574524 574526 574528 574530 578324 578326 578338 578330 578330 578330 578330 578330 578334 578334 578336 578336 5783604 574502 574504
Gas RIFENG U PRESS FITTING (F5) RIFENG TH PRESS FITTING (F9) RIQUIER	TH 32 TH 40 TH 16 TH 20 TH 26 U 14 U 16 U 18 U 20 U 25 U 32 U 40 TH 16 TH 20 TH 16 TH 20 TH 25 TH 20 TH 20 T	578624 578352 578358 578362 578372 578376 578376 578376 578378 578380 578382 578382 578382 578382 578382 578382 578386 578358 578360 578362 578364 578364 578364 578624		$\begin{array}{l} M \ 22 \ ^{1)} \\ M \ 28 \\ M \ 35 \\ M \ 12 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 18 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ \ 45^\circ \ \ (PR-2B)^{3)} \\ M \ 22 \ \ 45^\circ \ \ \ (PR-2B)^{3)} \\ M \ 23 \ \ \ 45^\circ \ \ \ \ (PR-2B)^{3)} \\ V \ 12 \\ V \ 15 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	578316 578318 574520 574520 574522 574524 574526 574528 574528 578324 578324 578328 578328 578334 578334 578336 578336 5783604 574502 574504 574506		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \\ V \ 14 \\ V \ 15^{\ 1)} \\ V \ 16 \\ V \ 15^{\ 1)} \\ V \ 16 \\ V \ 16^\circ \\ V \ 18^{\ 1)} \\ V \ 22^{\ 1} \\ V \ 28 \\ V \ 25 \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ \end{array}$	574520 574522 574524 574528 574528 574530 578324 578326 578338 578338 578338 578330 578330 578332 578332 578334 578336 578336 578364 578504 574502 574504 574504
Gas RIFENG U PRESS FITTING (F5) RIFENG TH PRESS FITTING (F9)	TH 32 TH 40 TH 16 TH 20 TH 26 U 14 U 16 U 18 U 20 U 25 U 32 U 40 TH 16 TH 20 TH 25 TH 25 TH 26 TH 26 TH 32 TH 40	578624 578352 578358 578362 578374 578376 578378 578378 578380 578382 578382 578382 578382 578382 578352 578358 578358 578352 578358 578364 578364 578624		$\begin{array}{l} M \ 22 \ ^{1)} \\ M \ 28 \\ M \ 35 \\ M \ 15 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \ \ V \ 12 \ \ V \ 12 \ \ V \ 13 \ \ 10 \ \ V \ 12 \ \ V \ V \ 12 \ \ V \ 12 \ \ V \ V \ V \ 12 \ \ V \ V \ V \ V \ V \ V \ V \ V \ V $	578316 578318 574520 574522 574522 574526 574528 574528 574530 578324 578322 578322 578332 578334 578336 578336 578336 578502 574502 574504		$\begin{array}{l} M \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 14 \ V \ 15^{1)} \\ V \ 16 \ V \ 16^{1} \\ V \ 16^{1} \\ V \ 16^{1} \\ V \ 22^{1} \\ V \ 28 \\ V \ 28 \\ V \ 28 \\ V \ 28 \\ V \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 15 \ 45^\circ \ (PR-2B)^{3)} \end{array}$	574520 574522 574524 574526 574528 574530 578324 578326 578338 578330 578330 578330 578330 578330 578334 578334 578336 578336 5783604 574502 574504

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
NHA-	SA 12	578510	SANHA-	SA 12	578510	SANHA-Therm	SA 12	578510
ressfittings Gas	SA 14	578512	Pressfittings	SA 15	578514	Serie 24000	SA 15	578514
erie 10000/	SA 15	578514	Air	SA 18	578518		SA 18	578518
erie 11000	SA 16	578516	Serie 14000/ Serie 15000	SA 22 SA 28	578520 578522		SA 22 SA 28	578520 578522
			Selle 15000	M 12	578310		M 12	578310
	SA 18	578518		M 15 <sup>1)</sup>	578312		M 15 <sup>1)</sup>	578312
	SA 22	578520		M 18 <sup>1)</sup>	578314		M 18 <sup>1)</sup>	578314
	SA 28	578522		M 22 <sup>1)</sup>	578316		M 22 <sup>1)</sup>	578316
	M 12	578310		M 28	578318		M 28	578318
	M 15 <sup>1)</sup>	578312		M 35	578390		M 35	578390
	M 18 <sup>1)</sup>	578314		M 12 45° (PR-2B) <sup>3)</sup>	574520		M 12 45° (PR-2B) <sup>3</sup>	574520
				M 15 45° (PR-2B) <sup>3)</sup>	574522		M 15 45° (PR-2B) <sup>3</sup>	574522
	M 22 <sup>1)</sup>	578316		M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup>	574524 574526		M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup>	574524 574526
	M 28	578318		M 28 45° (PR-2B) <sup>3</sup>	574528		M 28 45° (PR-2B) <sup>3</sup>	574528
	M 35	578390		M 35 45° (PR-2B) <sup>3)</sup>	574530		M 35 45° (PR-2B) <sup>3)</sup>	574530
	M 12 45° (PR-2B)3)	574520		V 12	578324		V 12	578324
	M 15 45° (PR-2B)3)	574522		V 15 <sup>1)</sup>	578328		V 15 <sup>1)</sup>	578328
	M 18 45° (PR-2B) <sup>3)</sup>			V 18 <sup>1)</sup>	578332		V 18 <sup>1)</sup>	578332
				V 22 <sup>1)</sup>	578334		V 22 <sup>1)</sup>	578334
	M 22 45° (PR-2B) <sup>3)</sup>			V 28	578336		V 28	578336
	M 28 45° (PR-2B) <sup>3)</sup>	574528		V 35	578604		V 35	578604
	M 35 45° (PR-2B)3)	574530		V 12 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup>	574502 574504		V 12 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup>	574502 574504
	V 12	578324		V 15 45 (PR-2B) <sup>3</sup>	574504 574506		V 18 45° (PR-2B) <sup>3</sup>	574504 574506
	V 14	578326		V 22 45° (PR-2B) <sup>3</sup>	574508		V 22 45° (PR-2B) <sup>3</sup>	574508
				V 28 45° (PR-2B) <sup>3)</sup>	574510		V 28 45° (PR-2B) <sup>3)</sup>	574510
	VG 16	578340		V 35 45° (PR-2B) <sup>3)</sup>	574512		V 35 45° (PR-2B) <sup>3)</sup>	574512
	V 15 <sup>1)</sup>	578328	SANHA-	SA 12	578510	SATEC SK VITerm	n TH 16	578352
	V 16	578330	Pressfittings	SA 15	578514		TH 18	578356
	VG 16	578340	Industrie	SA 18	578518		TH 20	578358
	V 18 <sup>1)</sup>	578332	Serie 18000	SA 22	578520		TH 26	578362
	V 22 <sup>1)</sup>	578334		SA 28	578522		TH 32	578364
				M 12 M 15 <sup>1)</sup>	578310 578312	Sobwor Fittingo	U 40 M 12	578386 578310
	V 28	578336		M 18 <sup>1)</sup>	578314	Schwer Fittings AQUApress	M 15	578312
	V 35	578604		M 22 <sup>1)</sup>	578316	/ GOV press	M 18	578314
V 15 45° (PR-2B) <sup>3)</sup> 57	V 12 45° (PR-2B) <sup>3)</sup>	574502		M 28	578318		M 22	578316
	V 15 45° (PR-2B)3)	574504		M 35	578390		M 28	578318
	574506		M 12 45° (PR-2B)3)	574520		M 35	578390	
	V 22 45° (PR-2B) <sup>3)</sup>	574508		M 15 45° (PR-2B) <sup>3)</sup>	574522		M 12 45° (PR-2B) <sup>3)</sup>	574520
	. ,			M 18 45° (PR-2B) <sup>3)</sup>	574524		M 15 45° (PR-2B) <sup>3)</sup>	574522
	V 28 45° (PR-2B) <sup>3)</sup>	574510		M 22 45° (PR-2B) <sup>3)</sup>	574526		M 18 45° (PR-2B) <sup>3)</sup>	
	V 35 45° (PR-2B) <sup>3)</sup>	574512		M 28 45° (PR-2B) <sup>3)</sup>	574528		M 22 45° (PR-2B) <sup>3</sup>	574526
SANHA-	SA 12	578510		M 35 45° (PR-2B) <sup>3)</sup> V 12	574530 578324		M 28 45° (PR-2B) <sup>3</sup> M 35 45° (PR-2B) <sup>3</sup>	574528 574530
ressfittings	SA 15	578514		V 12 V 15 <sup>1)</sup>	578328	Seppelfricke	TH 16	578352
olar	SA 18	578518		V 18 <sup>1)</sup>	578332	HENCO PRESS	TH 20	578358
				V 22 <sup>1)</sup>	578334		TH 26	578362
erie 12000/	SA 22	578520		V 28	578336	Seppelfricke	V 15	578328
erie 13000	SA 28	578522		V 35	578604	Sudopress	V 18	578332
	M 12	578310		V 12 45° (PR-2B) <sup>3)</sup>	574502	Edelstahl	V 22	578334
	M 15 <sup>1)</sup>	578312		V 15 45° (PR-2B) <sup>3)</sup>	574504	Visu-Control	V 28	578336
	M 18 <sup>1)</sup>	578314		V 18 45° (PR-2B) <sup>3)</sup>	574506	0 10 1	V 35	578604
	M 22 <sup>1)</sup>	578316		V 22 45° (PR-2B) <sup>3</sup>	574508	Seppelfricke	V 12	578324
				V 28 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup>	574510 574512	Sudopress Kupfer Visu-Control	V 15 V 18	578328 578332
	M 28	578318	SANHA	SA 12	578510	visu-control	V 18 V 22	578334
	M 35	578390	PURAPRESS	SA 12 SA 15	578514		V 28	578336
	M 12 45° (PR-2B) <sup>3)</sup>	574520	Serie 80000	SA 18	578518		V 35	578604
	M 15 45° (PR-2B) <sup>3)</sup>	574522		SA 22	578520	Seppelfricke	V 15	578328
	M 18 45° (PR-2B) <sup>3)</sup>			SA 28	578522	Sudopress Kupfer	V 18	578332
				M 12 <sup>1)</sup>	578310	Visu-Control	V 22	578334
	M 22 45° (PR-2B) <sup>3)</sup>			M 15 <sup>1)</sup>	578312	Gas	V 28	578336
	M 28 45° (PR-2B) <sup>3)</sup>			M 18 <sup>1)</sup>	578314	0	V 35	578604
	M 35 45° (PR-2B)3)	574530		M 22 <sup>1)</sup>	578316 578318	Seppelfricke	V 15	578328 578332
	V 12	578324		M 28 <sup>1)</sup> M 12 45° (PR-2B) <sup>3)</sup>	578318 574520	Sudopress Kupfer Visu-Control	V 18 V 22	578332 578334
	V 15 <sup>1)</sup>	578328		M 12 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup>		Solar	v 22	010004
	V 18 <sup>1)</sup>	578332		M 18 45° (PR-2B) <sup>3</sup>	574522	Seppelfricke	TH 14	578348
				M 22 45° (PR-2B) <sup>3)</sup>		Sudopress SKIN	TH 16	578352
	V 22 <sup>1)</sup>	578334		M 28 45° (PR-2B) <sup>3)</sup>	574528	Visu-control	TH 18	578356
	V 28	578336		V 12	578324		TH 20	578358
	V 35	578604		V 15 <sup>1)</sup>	578328		TH 26	578362
	V 12 45° (PR-2B)3)	574502		V 18 <sup>1)</sup>	578332		THL 32	578368
				V 221)	578334		TH 40	578624
	V 15 45° (PR-2B) <sup>3)</sup>	574504		V 28	578336	Seppelfricke	M 12	578310
	V 18 45° (PR-2B) <sup>3)</sup>	574506		V 12 45° (PR-2B) <sup>3)</sup>	574502	XPress C-Stahl	M 15	578312
	V 22 45° (PR-2B)3)	574508		V 15 45° (PR-2B) <sup>3)</sup>	574504		M 18 <sup>1)</sup>	578314
	V 28 45° (PR-2B)3)	574510		V 18 45° (PR-2B) <sup>3)</sup>	574506		M 22	578316
	V 35 45° (PR-2B) <sup>3)</sup>	574512		V 22 45° (PR-2B) <sup>3</sup> V 28 45° (PR-2B) <sup>3</sup>	574508 574510		M 28 <sup>1)</sup> M 35	578318 578390
				V VA 45 (PP-78)3)			ng 30	

Pressfitting systems for gas installations must only be pressed with REMS pressing tongs Mini/pressing rings which are highlighted in yellow. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw. <sup>2)</sup> For taking suitable pressing inserts.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 134.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

Pressing tongs for additional pressfitting systems on request.

### Accessories for REMS Mini-Press ACC

System Seppelfricke								
	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
	M 15	578312	TDM BRASS	TH 16	578352	UNIDELTA	TH 16	578352
Press	M 18 <sup>1)</sup>	578314	Serie 1700	TH 20	578358	DeltAll	TH 20	578358
delstahl	M 22	578316		TH 26	578362		TH 26	578362
	M 28 <sup>1)</sup>	578318		THL 32	578368		TH 32	578364
	M 35	578390	TEDLUCALINE				TH 40	578624
eppelfricke	M 12	578310		B 16	578468			
Press Kupfer	M 15	578312	Termipex	B 20	578472		H 16	578400
ress Rupici	M 18 <sup>1)</sup>	578314		B 26	578474		H 20	578406
	M 22	578316		B 32	578476		H 26	578410
				H 16	578400		H 32	578412
	M 28 <sup>1)</sup>	578318		H 20	578406		U 16	578374
	M 35	578390		TH 16	578352		U 20	578378
eppelfricke	M 15	578312					U 32	578382
Press Kupfer	M 18 <sup>1)</sup>	578314		TH 20	578358		U 40	578386
IS	M 22	578316		TH 26	578362			
	M 28 <sup>1)</sup>	578318		TH 32	578364	UNIDELTA	TH 16	578352
ESTA	TH 14	578348		U 16	578374	DeltAll GAS	TH 20	578358
ESTA GAS	TH 16	578352		U 20	578378		TH 26	578362
	TH 20	578358	TermoConcept	Basic E012)	578618		TH 32	578364
	TH 26	578362	TC-PRESS	Dasic LUT	570010		TH 40	578624
	TH 32	578364					H 16	578400
ESTA	H 16	578400	THERMOLUTZ	H 14	578398		H 20	578406
				H 16	578400			
tema	H 20	578406		H 17	578402		H 26	578410
ultistrato	TH 14	578348		TH 20	578358		H 32	578412
	TH 16	578352	TE-SA	TH 14	578348		U 16	578374
	TH 18	578356					U 20	578378
	TH 20	578358	TE-SA press	TH 16	578352		U 32	578382
	TH 26	578362	serie 800	TH 18	578356	Uponor MLC	UP 14	578576
	TH 32	578364		TH 20	578358		UP 16	578578
	TH 40	578624		TH 26	578362			
	U 16	578374		TH 32	578364		UP 18	578580
	U 20	578378		TH 40	578624		UP 20	578582
KO TYPRO							UP 25	578584
NU I TPRU	H 26	578410		TH 14	578348		UP 32	578586
	TH 16	578352		TH 16	578352		U 40	578386
	TH 18	578356	Serie 1650	TH 18	578356	Uponor MLC-D	UP 16	578578
	TH 20	578358		TH 20	578358		UP 20	578582
	TH 26	578362		TH 25	578360		UP 25	
KO	TH 14	578348		TH 26	578362			578584
<b>ROTHERM</b>	TH 16	578352					UP 32	578586
	TH 18	578356		THL 32	578368	Uponor MLC-G	UP 20	578582
	TH 20	578358		TH 40	578624		UP 25	578584
	TH 26	578362	TIEMME	RFz 12	578490		UP 32	578586
OVARM	U 16	578374	Serie 1700 PE-X	RFz 16	578492	Uponor	UP 16	578578
			a pressare	RFz 20	578494	Uni Pipe PLUS	UP 20	578582
EX-THERM	U 20	578378	u probbure			Uni Fipe FLUS		
	H 26	578410		RFz 25	578496		UP 25	578584
	U 32	578382		RFz 32	578498		UP 32	578586
	H 16	578400	TIEMME	TH 16	578352	Valsir PEXAL	H 14	578398
	H 20	578406	TIEMME Gas	TH 20	578358		H 16	578400
	H 26	578410		TH 26	578362		H 20	578406
	H 32	578412		THL 32	578368		H 26	578410
andard	U 16	578374	TIGRE	TH 16	578352		H 32 V	578602
idráulica	U 18	578376						
ultiStandard	U 20	578378	ALPEX GÁS	TH 20	578358	Valsir PEXAL Gas		578398
anotanaana	U 25	578380		TH 26	578362		H 16	578400
	U 32			TH 32	578364		H 20	578406
		578382	ТКМ	TH 14	578348		H 26	578410
	U 40	578386	Systemtechnik	TH 16	578352	Van Marcke Log.	TH 16	578352
FELBI	TH 14			11110			TH 17	
		578348		TH 20		-		578354
olikraft	TH 16	578352		TH 20	578358	Tu-Bi-Pex		578354 578358
olikraft	TH 18	578352 578356		TH 26	578362	-	TH 20	578358
blikraft		578352				-	TH 20 TH 26	578358 578362
blikraft	TH 18	578352 578356		TH 26	578362	-	TH 20 TH 26 TH 32	578358 578362 578364
blikraft	TH 18 TH 20	578352 578356 578358	TRA	TH 26 TH 32	578362 578364	Tu-Bi-Pex	TH 20 TH 26 TH 32 TH 40	578358 578362 578364 578624
blikraft	TH 18 TH 20 TH 26	578352 578356 578358 578362		TH 26 TH 32 TH 40 U 16	578362 578364 578624 578374	-	TH 20 TH 26 TH 32 TH 40 M 12	578358 578362 578364 578624 578310
	TH 18 TH 20 TH 26 TH 32 TH 40	578352 578356 578358 578362 578364 578624	TRA MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18	578362 578364 578624 578374 578376	Tu-Bi-Pex	TH 20 TH 26 TH 32 TH 40	578358 578362 578364 578624
/sterm	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A	578352 578356 578358 578362 578364 578624 578624 578420		TH 26 TH 32 TH 40 U 16 U 18 U 20	578362 578364 578624 578374 578376 578378	Tu-Bi-Pex Van Marcke Log.	TH 20 TH 26 TH 32 TH 40 M 12	578358 578362 578364 578624 578310
sterm	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A H 20 A	578352 578356 578358 578362 578364 578624 578624 578420 578420		TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25	578362 578364 578624 578374 578376 578378 578378 578380	Tu-Bi-Pex Van Marcke Log.	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18	578358 578362 578364 578624 578310 578312 578314
/sterm	TH 18 TH 20 TH 26 TH 32 TH 40 H 16A H 20A H 26A	578352 578356 578358 578362 578364 578624 578420 578420 578426 578430		TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32	578362 578364 578624 578374 578376 578378 578378 578380 578382	Tu-Bi-Pex Van Marcke Log.	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22	578358 578362 578364 578624 578310 578312 578314 578316
/sterm ELCO-Gas	TH 18 TH 20 TH 26 TH 32 TH 40 H 16A H 20A H 26A H 32A	578352 578356 578358 578362 578364 578624 578420 578420 578426 578430 578432		TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25	578362 578364 578624 578374 578376 578378 578378 578380	Tu-Bi-Pex Van Marcke Log.	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28	578358 578362 578364 578364 578310 578312 578314 578316 578318
rsterm ELCO-Gas	TH 18 TH 20 TH 26 TH 32 TH 40 H 16A H 20A H 26A H 32A H 14A	578352 578356 578358 578362 578364 578624 578420 578420 578420 578430 578430 578432 578432	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40	578362 578364 578624 578374 578376 578378 578380 578380 578382 578386	Tu-Bi-Pex Van Marcke Log.	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28 M 35	578358 578362 578364 578624 578310 578312 578314 578316 578318 578390
/sterm ELCO-Gas	TH 18 TH 20 TH 26 TH 32 TH 40 H 16A H 20A H 20A H 32A H 14A H 14A H 16A	578352 578356 578358 578362 578364 578624 578420 578420 578426 578430 578432 578432 578432	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 20 U 20 U 25 U 32 U 40 H 12	578362 578364 578624 578374 578376 578378 578380 578380 578382 578386 578386 578386	Tu-Bi-Pex Van Marcke Log.	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B)°)	578358 578362 578364 578624 578310 578312 578314 578316 578318 578390 574520
rsterm ELCO-Gas	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A H 20 A H 26 A H 32 A H 14 A H 14 A H 16 A H 17 A	578352 578356 578358 578362 578364 578624 578420 578420 578430 578432 578432 578418 578420 578420 578422	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 20 U 20 U 25 U 32 U 40 H 12 H 16	578362 578364 578624 578376 578376 578378 578380 578380 578382 578386 578386 578386 578396 578400	Tu-Bi-Pex Van Marcke Log.	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28 M 35	578358 578362 578364 578624 578310 578312 578314 578316 578318 578390 574520
rsterm ELCO-Gas	TH 18 TH 20 TH 26 TH 32 TH 40 H 16A H 20A H 20A H 32A H 14A H 14A H 16A	578352 578356 578358 578362 578364 578624 578420 578420 578426 578430 578432 578432 578432	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20	578362 578364 578624 578374 578376 578378 578380 578380 578386 578386 578386 578396 578400 578400	Tu-Bi-Pex Van Marcke Log.	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B)°)	578358 578362 578364 578624 578310 578312 578314 578316 578318 578390 574520 574522
sterm ELCO-Gas	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A H 20 A H 26 A H 32 A H 14 A H 14 A H 16 A H 17 A	578352 578356 578358 578362 578364 578624 578420 578420 578430 578432 578432 578418 578420 578420 578422	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25	578362 578364 578624 578374 578376 578378 578380 578380 578386 578386 578396 578396 578400 578406 578408	Tu-Bi-Pex Van Marcke Log.	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3)</sup> M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup>	578358 578362 578364 578310 578312 578312 578316 578318 578318 578390 574520 574522 574522
sterm ELCO-Gas	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A H 20 A H 26 A H 32 A H 14 A H 16 A H 17 A H 20 A	578352 578356 578358 578362 578364 578624 578420 578426 578430 578432 578432 578432 578420 578422 578422	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20	578362 578364 578624 578374 578376 578378 578380 578380 578386 578386 578386 578396 578400 578400	Tu-Bi-Pex Van Marcke Log.	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup> M 18 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup>	578358 578362 578364 578624 578310 578312 578314 578316 578318 578318 578390 574520 574522 574524 574526
rsterm ELCO-Gas rsterm ELCO-Flex	TH 18 TH 20 TH 20 TH 32 TH 40 H 16 A H 20 A H 20 A H 32 A H 14 A H 16 A H 17 A H 17 A H 20 A H 20 A H 32 A H 14 A H 16 A H 17 A H 18 A	578352 578356 578358 578362 578364 578624 578420 578420 578430 578432 578432 578418 578420 578422 578428 578420 578422 578420 578422 578420	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25	578362 578364 578624 578374 578376 578378 578380 578380 578386 578386 578396 578396 578400 578406 578408	Tu-Bi-Pex Van Marcke Log.	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup> M 18 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup>	578358 578362 578364 578624 578310 578312 578314 578316 578318 578390 574520 574522 574524 574526 574528
sterm ELCO-Gas sterm ELCO-Flex sterm	TH 18 TH 20 TH 26 TH 32 TH 40 H 16A H 20A H 20A H 32A H 14A H 16A H 17A H 20A H 17A H 20A H 120A H 120A H 26A H 32A H 16A	578352 578356 578358 578362 578364 578624 578420 578420 578420 578432 578432 578418 578420 578422 578420 578422 578426 578420	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25 H 32 RFz 12	578362 578364 578624 578374 578376 578378 578380 578380 578386 578396 578396 578400 578400 578408 578408 578408	Tu-Bi-Pex Van Marcke Log. Tu-Bi-Press	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3</sup> M 18 45° (PR-2B) <sup>3</sup> M 18 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 35 45° (PR-2B) <sup>3</sup> M	578358 578362 578364 578310 578312 578314 578316 578318 578318 578390 574520 574522 574524 574526 574528 574528
sterm ELCO-Gas sterm ELCO-Flex sterm	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A H 20 A H 26 A H 32 A H 14 A H 16 A H 17 A H 20 A H 16 A H 32 A H 16 A H 20 A	578352 578356 578358 578362 578364 578624 578420 578420 578430 578432 578418 578420 578422 578426 578420 578432 578432 578432 578432	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25 H 32 RFz 12 RFz 12 RFz 16	578362 578364 578624 578374 578376 578378 578380 578380 578386 578386 578396 578400 578400 578408 578408 578412 578490 578492	Tu-Bi-Pex Van Marcke Log. Tu-Bi-Press Variotherm	TH 20 TH 20 TH 32 TH 40 M 12 M 15 M 15 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 35 45° (PR-2B) <sup>3</sup> M 35 45° (PR-2B) <sup>3</sup> TH 11,6	578358 578362 578364 578310 578312 578314 578316 578318 578390 574520 574522 574524 574526 574526 574528 574528 574528 574528
sterm ELCO-Gas sterm ELCO-Flex sterm ELCO-Teck	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A H 20 A H 26 A H 32 A H 14 A H 14 A H 16 A H 17 A H 20 A H 26 A H 32 A H 16 A H 32 A H 16 A H 16 A H 20 A H 26 A H 20 A H 26 A	578352 578356 578358 578362 578362 578624 578420 578426 578430 578432 578418 578420 578420 578422 578420 578422 578420 578432 578420 578432 578430	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25 H 32 RFz 12 RFz 12 RFz 16 RFz 20	578362 578364 578624 578374 578376 578378 578380 578380 578382 578386 578386 578396 578400 578400 578408 578408 578412 578490 578492 578494	Tu-Bi-Pex Van Marcke Log. Tu-Bi-Press	TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3</sup> M 18 45° (PR-2B) <sup>3</sup> M 18 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 35 45° (PR-2B) <sup>3</sup> M	578358 578362 578364 578310 578312 578314 578316 578318 578390 574520 574522 574524 574526 574528 574528
sterm ELCO-Gas sterm ELCO-Flex sterm ELCO-Teck	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A H 20 A H 26 A H 32 A H 14 A H 16 A H 17 A H 20 A H 26 A H 32 A H 16 A H 20 A H 26 A H 32 A H 16 A H 20 A H 26 A H 26 A H 20 A H 26 A H 20 A H 26 A	578352 578356 578358 578362 578364 578624 578420 578420 578420 578430 578432 578432 578420 578422 578420 578420 578430 578430 578430 578420 578420 578430 578420 578420 578430	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25 H 32 RFz 12 RFz 12 RFz 16 RFz 20 RFz 25	578362 578364 578624 578376 578376 578378 578380 578382 578386 578386 578396 578400 578400 578408 578408 578408 578412 578490 578492 578494	Tu-Bi-Pex Van Marcke Log. Tu-Bi-Press Variotherm	TH 20 TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup> M 35 45° (PR-2B) <sup>3</sup> TH 11,6 TH 11,6	578358 578362 578364 578310 578312 578314 578316 578318 578390 574520 574522 574524 574526 574526 574528 574528 574528 574528
sterm ELCO-Gas sterm ELCO-Flex sterm ELCO-Teck	TH 18 TH 20 TH 20 TH 20 H 16 A H 20 A H 20 A H 20 A H 32 A H 14 A H 16 A H 17 A H 20 A H 16 A H 32 A H 16 A H 32 A H 16 A H 20 A H 26 A H 32 A H 16 A H 20 A H 26 A TH 16 TH 18	578352 578356 578358 578362 578364 578624 578420 578420 578430 578432 578432 578428 578420 578422 578426 578420 578422 578420 578430 578432 578430 578432 578430	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25 H 32 RFz 12 RFz 12 RFz 16 RFz 20	578362 578364 578624 578374 578376 578378 578380 578380 578382 578386 578386 578396 578400 578400 578408 578408 578412 578490 578492 578494	Tu-Bi-Pex Van Marcke Log. Tu-Bi-Press Variotherm System TH	TH 20 TH 20 TH 26 TH 32 TH 40 M 12 M 12 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3)</sup> M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> TH 11,6 TH 16 VX 16	578358 578362 578364 578310 578312 578314 578316 578318 578390 574520 574522 574522 574522 574524 574526 574526 574528 574528 574530 578344 578352 578552
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Isterm ELCO-Gas Isterm ELCO-Flex Isterm ELCO-Teck	TH 18 TH 20 TH 20 TH 20 H 16 A H 20 A H 20 A H 20 A H 32 A H 14 A H 16 A H 17 A H 20 A H 16 A H 32 A H 16 A H 32 A H 16 A H 20 A H 26 A H 32 A H 16 A H 20 A H 26 A TH 16 TH 18	578352 578356 578358 578362 578364 578624 578420 578420 578430 578432 578432 578428 578420 578422 578426 578420 578422 578420 578430 578432 578430 578432 578430	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25 H 32 RFz 12 RFz 12 RFz 16 RFz 20 RFz 25 RFz 25 RFz 32 TH 14	578362 578364 578374 578376 578378 578378 578380 578380 578386 578386 578396 578400 578400 578406 578408 578412 578490 578492 578492 578494 578498	Tu-Bi-Pex Van Marcke Log. Tu-Bi-Press Variotherm System TH Viega Pexfit Fosta	TH 20 TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup> TH 11.6 TH 16 VX 16 VX 20 VX 25	578358 578362 578364 578310 578312 578314 578316 578318 578390 574520 574520 574522 574524 574526 574528 574528 574528 574528 574523 578352 578554 578556
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sterm ELCO-Gas sterm ELCO-Flex sterm ELCO-Teck	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A H 20 A H 26 A H 32 A H 14 A H 14 A H 16 A H 17 A H 20 A H 26 A H 32 A H 16 A H 20 A H 26 A TH 16 TH 18 TH 20 TH 26 TH 20 TH 26 TH 26 TH 20	578352 578356 578358 578362 578364 578420 578420 578420 578430 578432 578432 578432 578432 578420 578422 578420 578420 578420 578420 578430 578430 578430 578430 578430 578352 578356 578358 578358 578358	MULTITRAPRESS TRA TRAPRESS Tréfimétaux Qtec	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25 H 32 RFz 12 RFz 12 RFz 16 RFz 16 RFz 20 RFz 25 RFz 32 TH 14 TH 16 TH 20	578362 578364 578624 578374 578376 578378 578380 578380 578386 578396 578400 578400 578400 578408 578408 578408 578490 578492 578494 578494 578494 578498 578388	Tu-Bi-Pex Van Marcke Log. Tu-Bi-Press Variotherm System TH Viega Pexfit Fosta	TH 20 TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 15 M 22 M 28 M 35 M 12 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup> M 18 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup> M 35 45° (PR-2B) <sup>3</sup> M	578358 578362 578364 578300 578310 578314 578316 578318 578390 574520 574522 574524 574526 574528 574528 574528 574523 578362 578352 578554 578554 578552 578554
sterm ELCO-Gas sterm ELCO-Flex sterm ELCO-Teck M BRASS	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A H 20 A H 20 A H 20 A H 14 A H 16 A H 17 A H 20 A H 20 A H 26 A H 32 A H 16 A H 32 A H 16 A H 16 A H 17 A H 20 A H 26 A H 16 A H 17 A H 16 A H 16 A H 17 A H 16 A H 18 A H 16 A H 17 A H 16 A H 16 A H 17 A H 16 A H 16 A H 16 A H 16 A H 17 A H 16 A H 16 A H 16 A H 17 A H 16 A H 16 A H 16 A H 17 A H 16 A H 17 A H 16 A H 17 A H 16 A H 16 A H 17 A H 16 A H 16 A H 17 A H 16 A H 16 A H 16 A H 16 A H 17 A H 16 A	578352 578356 578358 578362 578364 578624 578420 578420 578420 578430 578432 578432 578420 578422 578420 578420 578420 578430 578430 578430 578430 578430 578426 578430 578426 578430 578426 578358 578358 578358 578358 578358 578368 578368 578368	MULTITRAPRESS	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25 H 32 RFz 12 RFz 12 RFz 16 RFz 20 RFz 25 RFz 32 TH 14 TH 16 TH 20 U 16	578362 578364 578374 578376 578378 578380 578380 578386 578386 578396 578400 578400 578408 578408 578408 578412 578490 578492 578494 578496 578498 578498 578348 578348 578352 578358	Tu-Bi-Pex Van Marcke Log. Tu-Bi-Press Variotherm System TH Viega Pexfit Fosta Viega Pexfit	TH 20 TH 20 TH 26 TH 32 TH 40 M 12 M 15 M 12 M 22 M 28 M 35 M 22 M 28 M 35 M 15 45° (PR-2B) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup> M 35	578358 578362 578364 578310 578312 578314 578316 578318 578390 574520 574522 574524 574526 574528 574528 574528 5745230 578364 578352 578552 578554 578552
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Isterm ELCO-Gas Isterm ELCO-Flex Isterm ELCO-Teck	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A H 20 A H 26 A H 32 A H 14 A H 16 A H 17 A H 20 A H 16 A H 20 A H 26 A H 16 A H 20 A H 26 A H 26 A H 16 TH 18 TH 20 TH 26 THL 32 H 16 H 18 H 20 TH 26 H 16 H 18 H 20 TH 26 H 26 H 26 H 26 H 26 H 26 H 26 H 26	578352 578356 578358 578362 578364 578624 578420 578420 578420 578420 578420 578422 578420 578422 578420 578420 578420 578420 578420 578420 578420 578420 578420 578420 578426 578430 578352 578356 578356 578358 578368 578400 578404 578406 578410	MULTITRAPRESS TRA TRAPRESS Tréfimétaux Qtec	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25 H 32 RFz 12 RFz 12 RFz 16 RFz 20 RFz 25 RFz 32 TH 14 TH 16 TH 20 U 16 U 20 U 125 U 125 U 125 U 125	578362 578364 578624 578374 578376 578378 578380 578382 578386 578386 578400 578400 578406 578408 578408 578408 578492 578494 578494 578494 578498 578348 578348 578358 578358	Tu-Bi-Pex Van Marcke Log. Tu-Bi-Press Variotherm System TH Viega Pexfit Fosta Viega Pexfit Fosta G	TH 20 TH 20 TH 26 TH 32 TH 40 M 12 M 12 M 12 M 22 M 28 M 22 M 28 M 22 M 28 M 24 M 55 (PR-2B) <sup>3)</sup> M 15 45° (PR-2B) <sup>3)</sup> M 15 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup> TH 11.6 TH 11.6 VX 16 VX 20 VX 25 VX 16 VX 20 VX 20 VX 25 VX 16 VX 20 VX 20 VX 25 VX 16 VX 20 VX 25 VX 20 VX 25 VX 25	578358 578362 578364 578310 578312 578314 578316 578318 578390 574520 574522 574520 574522 574524 574526 574526 574528 574526 574528 578552 578552 578552 578554 578556 578556 578555 578550 578550 578550
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Isterm ELCO-Gas Isterm ELCO-Flex Isterm ELCO-Teck	TH 18 TH 20 TH 26 TH 32 TH 40 H 16 A H 20 A H 26 A H 32 A H 14 A H 16 A H 17 A H 20 A H 16 A H 20 A H 26 A H 16 A H 20 A H 26 A H 26 A H 16 TH 18 TH 20 TH 26 THL 32 H 16 H 18 H 20 TH 26 H 16 H 18 H 20 TH 26 H 26 H 26 H 26 H 26 H 26 H 26 H 26	578352 578356 578358 578362 578364 578624 578420 578420 578420 578420 578420 578422 578420 578422 578420 578420 578420 578420 578420 578420 578420 578420 578420 578420 578426 578430 578352 578356 578356 578358 578368 578400 578404 578406 578410	MULTITRAPRESS TRA TRAPRESS Tréfimétaux Qtec TWEETOP	TH 26 TH 32 TH 40 U 16 U 18 U 20 U 25 U 32 U 40 H 12 H 16 H 20 H 25 H 32 RFz 12 RFz 12 RFz 16 RFz 20 RFz 25 RFz 32 TH 14 TH 16 TH 20 U 16 U 20 U 25 U 32 U 40	578362 578364 578624 578374 578376 578378 578378 578380 578386 578396 578400 578400 578406 578406 578408 57842 578490 578492 578492 578494 578496 578498 578352 578358 578358 578374 578358 578374 578380 578380	Tu-Bi-Pex Van Marcke Log. Tu-Bi-Press Variotherm System TH Viega Pexfit Fosta Viega Pexfit Fosta G Viega Pexfit Plus Viega Pexfit	TH 20 TH 20 TH 26 TH 32 TH 40 M 12 M 12 M 15 M 18 M 22 M 28 M 35 M 12 45° (PR-2B)° M 15 45° (PR-2B)° M 15 45° (PR-2B)° M 18 45° (PR-2B)° M 22 45° (PR-2B)° M 28 45° (PR-2B)° M 35 45° (PR	578358 578362 578364 578310 578312 578314 578316 578318 578390 574520 574522 574524 574524 574526 574528 574524 574528 574523 578552 578554 578555 578554 578556 578556 578556 578552 5785552 578552
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System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
/iega Prestabo	V 12	578324	Viega	VP 16	578482	WATTS	US ¾"	578534
	V 15	578328	Sanfix Plus	VP 20	578484	RADIANT	US 1⁄2"	578536
	V 18	578332	Viega Sanpress	V 12	578324	Watts WaterPEX	US ¾"	578538
	V 22	578334		V 15	578328		US 1"	578540
	V 28	578336		V 18	578332	WATTS	US 3/8"	578534
	V 12 45° (PR-2B) <sup>3)</sup>	574502		V 22	578334	RADIANT	US 1/2"	578536
	V 15 45° (PR-2B) <sup>3)</sup>	574504		V 28 V 35	578336 578604	Watts	US ¾"	578538
	V 18 45° (PR-2B) <sup>3)</sup>	574506		V 35 V 12 45° (PR-2B) <sup>3)</sup>	574502	RadiantPEX	US 1"	578540
	V 22 45° (PR-2B) <sup>3)</sup>	574508		V 12 45 (PR-2B) <sup>3</sup>	574502	WATTS	U 16 (½")	578374
	V 28 45° (PR-2B) <sup>3)</sup>	574510		V 18 45° (PR-2B) <sup>3</sup>	574506	RADIANT	U 20 (5⁄8")	578378
iega Profipress	V 12	578324		V 22 45° (PR-2B) <sup>3</sup>	574508	Watts	U 25 (¾")	578380
	VG 14 V 15	578338 578328		V 28 45° (PR-2B) <sup>3)</sup>	574510	RadiantPEX-AL	U 32 (1")	578382
	V 15 VG 16			V 35 45° (PR-2B)3)	574512	Wavin	U 14	578372
	V 18	578340 578332	Viega	V 15	578328	Tigris K1	U 16	578374
	V 22	578334	Sanpress Inox	V 18	578332		U 20	578378
	V 22 V 28	578336		V 22	578334		U 25	578380
	V 35	578604		V 28	578336		U 32	578382
	V 12 45° (PR-2B) <sup>3)</sup>	574502		V 35	578604		U 40	578386
	VG 14 45° (PR-2B) <sup>3</sup>			V 15 45° (PR-2B) <sup>3)</sup>	574504	Wavin	U 14	578372
				V 18 45° (PR-2B) <sup>3)</sup>	574506	Tigris M1	U 16	578374
	V 15 45° (PR-2B) <sup>3)</sup> VG 16 45° (PR-2B) <sup>3</sup>			V 22 45° (PR-2B) <sup>3)</sup>	574508		U 20	578378
	VG 16 45° (PR-2B)° V 18 45° (PR-2B) <sup>3)</sup>	574538		V 28 45° (PR-2B) <sup>3)</sup>	574510		U 25	578380
	V 18 45° (PR-2B) <sup>3</sup>	574506 574508		V 35 45° (PR-2B) <sup>3)</sup>	574512		U 32	578382
	V 22 45° (PR-2B) <sup>3</sup>	574508 574510	Viega	V 15	578328		U 40	578386
	V 28 45° (PR-2B) <sup>3</sup>	574510 574512	Sanpress Inox G	V 18	578332	WeeConPress	M 12	578310
liego	. ,			V 22	578334	Alu	M 15	578312
/iega Profipress G	V 12 V 15	578324 578328		V 28	578336		M 18	578314
Tompress G	V 15 V 18	578328		V 35	578604		M 22	578316
	V 18 V 22	578334		V 15 45° (PR-2B) <sup>3)</sup>	574504		M 28	578318
	V 22 V 28	578336		V 18 45° (PR-2B) <sup>3</sup>	574506		M 35	578390
	V 26 V 35	578604		V 22 45° (PR-2B) <sup>3)</sup>	574508		M 12 45° (PR-2B) <sup>3)</sup>	574520
	V 12 45° (PR-2B) <sup>3)</sup>	574502		V 28 45° (PR-2B) <sup>3)</sup>	574510		M 15 45° (PR-2B) <sup>3)</sup>	574522
	V 15 45° (PR-2B) <sup>3</sup>		1.0	V 35 45° (PR-2B) <sup>3)</sup>	574512		M 18 45° (PR-2B) <sup>3)</sup>	574524
	V 18 45° (PR-2B) <sup>3</sup>	574504 574506	Viessmann	TH 14	578348		M 22 45° (PR-2B) <sup>3)</sup>	574526
	. ,			TH 16	578352		M 28 45° (PR-2B) <sup>3)</sup>	574528
,	V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup>	574508 574510		TH 20	578358		M 35 45° (PR-2B) <sup>3)</sup>	574530
	. ,			TH 26	578362		V 12	578324
(i.e. e. e.	V 35 45° (PR-2B) <sup>3)</sup>	574512	VOLUM	TH 32	578364		V 15	578328
/iega	V 12 V 15	578324	VSH MultiPress	U 14 U 16	578372 578374		V 18	578332
rofipress S	V 18	578328 578332		U 20	578378		V 22	578334
	V 18 V 22			U 25	578380		V 28	578336
	V 22 V 28	578334 578336		U 32	578382		V 35	578604
	V 35	578604		U 40	578386		V 12 45° (PR-2B) <sup>3)</sup>	574502
	V 12 45° (PR-2B) <sup>3)</sup>	574502	VSH	M 12	578310		V 15 45° (PR-2B) <sup>3)</sup>	574504
	V 15 45° (PR-2B) <sup>3</sup>	574502	XPress Carbon	M 12 M 15	578312		V 18 45° (PR-2B)3)	574506
	V 18 45° (PR-2B) <sup>3</sup>	574506		M 18 <sup>1)</sup>	578314		V 22 45° (PR-2B) <sup>3)</sup>	574508
	V 22 45° (PR-2B) <sup>3</sup>	574508		M 22	578316		V 28 45° (PR-2B) <sup>3)</sup>	574510
	V 28 45° (PR-2B) <sup>3</sup>	574510		M 28 <sup>1)</sup>	578318		V 35 45° (PR-2B)3)	574512
	V 35 45° (PR-2B) <sup>3</sup>	574512		M 35	578390		SA 12	578510
liega	V 12	578324	VSH	M 15	578312		SA 15	578514
rofipress Therm		578328	XPress Copper	M 18 <sup>1)</sup>	578314		SA 18	578518
ionpress meilli	V 18	578332		M 22	578316		SA 22	578520
	V 22	578334		M 28 <sup>1)</sup>	578318		SA 28	578522
	V 12 45° (PR-2B) <sup>3)</sup>	574502		M 35	578390	WeeConPress	M 12	578310
	V 15 45° (PR-2B) <sup>3</sup>	574504	VSH	M 15	578312	C-Stahl	M 15	578312
	V 18 45° (PR-2B) <sup>3</sup>	574506	XPress Copper	M 18 <sup>1)</sup>	578314		M 18	578314
	V 22 45° (PR-2B) <sup>3</sup>	574508	GAS	M 22	578316		M 22	578316
iega ProPress	VUS <sup>1</sup> / <sub>2</sub> " (OD 15,9 mm)	578566		M 28 <sup>1)</sup>	578318		M 28	578318
lega ProPress	VUS <sup>7</sup> / <sub>2</sub> (OD 15,9 mm) VUS <sup>3</sup> / <sub>4</sub> " (OD 22,2 mm)	578568	VSH	M 15	578312		M 35	578390
ystem USA	VUS 74 (OD 22,2 mm) VUS 1" (OD 28,6 mm)	578570	XPress Copper	M 18 <sup>1)</sup>	578314		M 12 45° (PR-2B) <sup>3)</sup>	574520
	VUS 1 (OD 28,6 mm) VUS 11/4" (OD 34,9 mm)	578606	Solar	M 22	578316		M 15 45° (PR-2B) <sup>3)</sup>	574522
iega Propress	VOS 174 (OD 34,9 mm) VAU 15 (OD 12,7 mm)	578630		M 28 <sup>1)</sup>	578318		M 18 45° (PR-2B) <sup>3</sup>	574524
VATER System	VAU 15 (OD 12,7 mm) VAU 20 (OD 19,1 mm)	578630 578632		M 35	578390		M 22 45° (PR-2B) <sup>3</sup>	574526
US	VAU 20 (OD 19,1 mm) VAU 25 (OD 25,4 mm)	578634	VSH	M 15	578312		M 28 45° (PR-2B) <sup>3</sup>	574528
	VAU 23 (OD 25,4 mm) VAU 32 (OD 31,8 mm)	578636	XPress Stainless	M 18 <sup>1)</sup>	578314		M 35 45° (PR-2B) <sup>3</sup>	574530
iega PropressG	VAU 32 (OD 31,8 mm) VAU 15 (OD 12,7 mm)	578630		M 22	578316	WeeConPress	M 12	578310
AS System	VAU 15 (OD 12,7 mm) VAU 20 (OD 19,1 mm)	578632		M 28 <sup>1)</sup>	578318	Inox	M 15	578312
US	VAU 20 (OD 19,1 mm) VAU 25 (OD 25,4 mm)	578634		M 35	578390		M 18	578314
00		578636	Walter Meier	U 16	578374		M 22	578314
inen Druch	VAU 32 (OD 31,8 mm)		Metalplast	U 18	578376		M 28	578318
iega Raxofix	VRX 16	578640		U 20	578378			
	VRX 20	578642		U 25	578380		M 35	578390
	VRX 25	578644		U 32	578382		M 12 45° (PR-2B) <sup>3)</sup>	574520
	VRX 32	578646		U 40	578386		M 15 45° (PR-2B) <sup>3)</sup>	574522
/iega	VP 16	578482	Watts MTR	TH 16	578352		M 18 45° (PR-2B) <sup>3)</sup>	574524
	VP 20	578484	Art press	TH 20	578358		, ,	
antix Fosta							1 00 150 (DD 00)0)	574500
Sanfix Fosta	VP 25 VP 32	578486 578488		TH 26 TH 32	578362 578364		M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup>	574528 574530

Pressfitting systems for gas installations must only be pressed with REMS pressing tongs Mini/pressing rings which are highlighted in yellow. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw. <sup>2)</sup> For taking suitable pressing inserts.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 134.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

Pressing tongs for additional pressfitting systems on request.

### Accessories for REMS Mini-Press ACC

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
WeeConPress	M 12	578310	XtraConnect	F 16	578456	Zetaesse Rame	TH 14	578348
Kupfer	M 15	578312		F 20	578460	ThermoSAN	TH 16	578352
	M 18	578314		F 26	578462		TH 20	578358
	M 22	578316		F 32	578464		U 14	578372
	M 28	578318		H 16	578400		U 16	578374
	M 35	578390		H 20	578406		U 20	578378
	M 12 45° (PR-2B) <sup>3)</sup>			H 26	578410	ZEWOTHERM	TH 12	578346
	M 15 45° (PR-2B) <sup>3</sup>			H 32	578412		TH 16	578352
	M 18 45° (PR-2B) <sup>3</sup>			TH 16	578352		TH 17	578354
	M 18 45 (PR-2B) <sup>3</sup>			TH 20	578358		TH 18	578356
	· · · ·			TH 26 TH 32	578362		TH 20 TH 26	578358
	M 28 45° (PR-2B) <sup>3)</sup>			U 16	578364		TH 26 TH 32	578362
	M 35 45° (PR-2B) <sup>3)</sup>			U 16 U 20	578374 578378		TH 32 TH 40	578364 578624
WeeConFlex	H 16	578400	(NW 26)		578380	ZURN	US ¾"	578534
MVR	H 20	578406	(1400 20)	U 32	578382	INDUSTRIES	US 1/2"	578536
	H 26	578410		VP 16	578482	ZURN PEX	US 3/4"	578538
	H 32	578412		VP 20	578484	ZONNIEX	US 1"	578540
	U 40	578386		VP 32	578488		001	010040
	TH 16	578352	Zetaesse	TH 14	578348			
	TH 20	578358	Multistrato	TH 16	578352			
	TH 26	578362	EUROPEX	TH 18	578356			
	TH 32	578364		TH 20	578358			
	TH 40	578624		TH 26	578362			
WEM	U 16	578374		TH 32	578364			
WIELAND	TH 14	578348		U 14	578372			
cuprotherm	TH 16	578352		U 16	578374			
CTX	TH 18	578356		U 18	578376			
017	TH 20	578358		U 20	578378			
	TH 26	578362	Zetaesse	TH 14	578348			
Winkler	TH 14		Multistrato	TH 16	578352			
winkler		578348	ISOPEX	TH 18	578356			
	TH 16	578352		TH 20	578358			
	TH 18	578356		TH 26	578362			
	TH 20	578358		TH 32	578364			
	TH 26	578362		U 14	578372			
	TH 32	578364		U 16	578374			
WKS-Press	TH 14	578348		U 18 U 20	578376 578378			
	TH 16	578352	Zatasasa Dama	TH 14				
	TH 17	578354	Zetaesse Rame HydroSAN	TH 14 TH 16	578348 578352			
	TH 20	578358	i iyuloozin	TH 10 TH 20	578358			
	TH 26	578362		U 14	578372			
	TH 32	578364		U 16	578374			
	TH 40	578624		U 20	578378			

**REMS pressing tongs Mini** REMS pressing tongs Mini with 2 swivellable monoblock pressing jaws. REMS pressing ring 45° (PR-2B)

REMS pressing ring 45° (PR-2B) with 2 pressing jaws for pressings at places of difficult access, with Mini Z1 adapter tongs.





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<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 134.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

Pressing tongs for additional pressfitting systems on request.

Description	ArtNo.	
Adapter tongs Mini Z1 for driving REMS pressing rings 45° (PR-2B)	578558	
<b>Steel case</b> with insert for adapter tongs Mini Z1 and adapter tongs Z1 and 6 REMS pressing rings V 12–35 45° (PR-2B) or M 12–35 45° (PR-2B)	574516	
Steel case with insert for 8 pressing tongs Mini/cropping tongs Mini and compartment for pipe cutter up to 42 mm	578295	







## **REMS cropping tongs Mini**

High performance cropping tongs Mini in forged and specially hardened steel for cutting threaded rods.

Steel, stainless steel up to hardness classification 4.8 (400 N/mm<sup>2</sup>) M 6–M 10

### REMS cropping tongs Mini – cuts in just 2 seconds!

Made of forged and specially hardened steel.

Reversible cropping inserts for double service life.

M cropping inserts with high precision thread contour machined on CNC machining centres for exact guiding of the threaded rod in the cutting process Pliers parts, cropping inserts and specially machined and hardened cutting edges, made to fit exactly, for cutting without burr

Threaded rod can be screwed into a threaded connection of the pipe clip or the nut without rework after cutting

Cutting device in pliers design (Patent EP 1 459 825, patent US 7,284,330). Very compact design and low weight of the REMS Mini cropping tongs due to special arrangement of the cropping tongs connection (Patent EP 1 952 948). Recesses in the pressing jaws for safe guidance of the connecting plate for offset-free pressing (Patent EP 2 347 862).

Driven by REMS Mini-Press ACC











German Quality Product



Patent EP 1 952 948 Patent EP 1 459 825 Patent US 7,284,330 Patent EP 2 347 862

### Supply format

**REMS cropping tongs Mini.** Cropping tongs with 1 pair of reversible cropping inserts for steel, stainless steel, M 6-M 10. In a carton.

Description	for threaded rods	ArtNo.
REMS cropping tongs Mini M 6	M 6	578620
REMS cropping tongs Mini M 8	M 8	578621
REMS cropping tongs Mini M 10	M 10	578622

Description	for threaded rods	ArtNo.	
Cropping inserts M 6 (pair)	M 6	571891	
Cropping inserts M 8 (pair)	M 8	571896	
Cropping inserts M 10 (pair)	M 10	571866	
Steel case with insert for 8 pre tongs Mini and compartment for		578295	







# **REMS Eco-Press**

Universal, manual radial press for producing pipe pressing joints for all common pressfitting systems.

Pressing joints with plastic	
and multi-layer composite tubes	Ø 10–26 mm
	Ø ⅔–1"

Complete range of REMS pressing tongs for all common pressfitting systems, see page 142-158.

### REMS Eco-Press – universal up to Ø 26 mm. Secure crimping in seconds.

### System advantage

Only one type of pressing tongs for all REMS radial presses (except REMS Mini-Press ACC) and radial presses of other makes.

All pressing tongs marked by a \* have another connection (Patent EP 1 223 008, Patent US 6,739,172) and also fit the manual radial press REMS Eco-Press. Thus simple, inexpensive stocking

Pressing tongs for all common systems Complete assortment of REMS pressing tongs for all common pressfitting systems (page 142-158). High-compression pressing tongs in forged and specially hardened steel. Pressing contours of REMS pressing tongs are system-specific and correspond to the respective pressfitting system. Thus perfect systemconformity, safe press jointing.

### Design

Compact, handy, light. Drive unit with short tubular arms only 1.6 kg. Works anywhere, free-hand, overhead, in confined areas. Secure seating of pressing tongs through locking pins. Dividable tubular arms for individual adjustment of leverage to accomodate different force demands of different pressfitting systems.

### **Pressing operation**

A perfect joint is achieved when pressing tongs close completely. Final-lockpositioning, the pressing jaws remain in a closed position until opening. This way, the perfect pressing joint (completely closed pressing jaws) can be observed.







#### Supply format

REMS Eco-Press drive unit. Manual radial press with final-lock-positioning for producing pressing joints of plastic and multi-layer composite tubes Ø 10-26 mm, Ø <sup>3</sup>/<sub>8</sub>-1". For operating with REMS pressing tongs. With dividable tubular arms. In skin package.

ArtNo.	
574000	



Description	ArtNo.	
REMS pressing tongs/pressing rings see page 142-1	58.	
<b>REMS cropping tongs</b> for threaded rods see page 161.		
Carrying bag for drive unit and for 3 pressing tongs	574436	
Steel case with insert for drive unit and for 3 pressing tongs	574430	









# **REMS Power-Press SE**

Electric radial press

Universal, handy electric tool for producing pipe pressing joints for all common pressfitting systems.

Pipe pressing joints

Ø 10-108 (110) mm Ø 3/8-4"

Complete range of REMS pressing tongs/ pressing rings for all common pressfitting systems, see page 142-158.

### REMS Power-Press SE – universal up to Ø 110 mm. Secure crimping in seconds. Automatic locking of pressing tongs.

## System advantage

Only one type of pressing tongs/pressing rings for all REMS radial presses (except REMS Mini-Press ACC) and radial presses of other makes

All pressing tongs marked by a \* have another connection (Patent EP 1 223 008, Patent US 6,739,172) and also fit the manual radial press REMS Eco-Press. Thus simple, inexpensive stocking

### Pressing tongs/pressing rings for all common systems

Complete assortment of REMS pressing tongs/pressing rings for all common pressfitting systems (page 142–158). High-compression pressing tongs/pressing rings in forged and specially hardened steel. Pressing contours of REMS pressing tongs/pressing rings are system-specific and correspond to the respective press fitting system. Thus perfect systemconformity, safe press jointing.

### Design

Compact, robust, job site-proven. Small in size, slender design, drive unit only 4.7 kg. Works anywhere, free-hand, overhead, in confined areas. Secure seating of pressing tongs/adapter tongs by automatic locking. Also suitable for other suitable makes of pressing tongs/pressing chains.

**Pressing operation by touch-control** For reliable service, operating and functional safety. A perfect joint is achieved when pressing tongs close completely. The pressing tongs remain in a closed position until machine is switched and runs into reverse. The perfect pressing joint (completely closed pressing jaws) can be observed.

#### Drive

Enormous thrust and pressing force for fast and perfect press jointing. Powerful electro-mechanical drive with proven universal motor, 450 W, maintenance-free gear with safety slipping clutch and in-feed system with machine screw spindle. Overload protection. Safety tip switch.



German Quality Product





### Supply format

REMS Power-Press SE Basic-Pack. Electric radial press for producing pressing joints Ø 10-108 (110) mm, Ø ¾-4". For driving REMS pressing tongs/pressing rings and other suitable makes of pressing tongs/pressing rings. Pressing tongs seat with automatic locking. Electro-mechanical drive with proven universal motor 230 V or 110 V, 50–60 Hz, 450 W, maintenance-free gear with safety slipping clutch and in-feed system with machine screw spindle, overload protection, safety tip switch. In sturdy steel case.

	ArtNo.	
	572111	

Other voltages on request.

Description	ArtNo.
REMS Power-Press SE Drive Unit	572101
REMS pressing tongs/pressing rings see page 142-1	58.
<b>REMS cropping tongs</b> for threaded rods see page 161.	
REMS cable shear for electric cable see page 161.	
Steel case with insert	570280



# **REMS Power-Press**

Universal, handy electric tool with switch-off signal for producing pipe pressing joints for all common pressfitting systems.

Pipe pressing joints

Ø 10-108 (110) mm Ø 3/8-4"

Complete range of REMS pressing tongs/ pressing rings for all common pressfitting systems, see page 142-158.

### REMS Power-Press – universal up to Ø 110 mm. Secure crimping in seconds. Automatic locking of pressing tongs.

### System advantage

Only one type of pressing tongs/pressing rings for all REMS radial presses (except REMS Mini-Press ACC) and radial presses of other makes.

All pressing tongs marked by a \* have another connection (Patent EP 1 223 008, Patent US 6,739,172) and also fit the manual radial press REMS Eco-Press. Thus simple, inexpensive stocking

## Pressing tongs/pressing rings

for all common systems Complete assortment of REMS pressing tongs/pressing rings for all common pressfitting systems (page 142–158). High-compression pressing tongs/pressing rings in forged and specially hardened steel. Pressing contours of REMS pressing tongs/pressing rings are system-specific and correspond to the respective pressfitting system. Thus perfect systemconformity, safe press jointing.

### Design

Compact, robust, job site-proven. Small in size, slender design, drive unit only 4.7 kg. Works anywhere, free-hand, overhead, in confined areas. Ideal weight distribution for single handed operation. Ergonomically designed housing with recessed grip. Swivelling pressing tongs/adapter tongs seat. Secure seating of pressing tongs by automatic locking. Also suitable for other suitable makes of pressing tongs/pressing rings.

**Pressing operation by touch-control** For reliable service, operating and functional safety. A perfect joint is achieved when pressing tongs close completely. Acoustic signal after successful completion of pressing operation. The pressing tongs remain in a closed position until reset button is pushed and releases. This way, the perfect pressing joint (completely closed pressing jaws) can be observed.

### Drive

Enormous thrust and pressing force for fast and perfect press jointing. Powerful electro-hydraulic drive with proven universal motor 450 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch.

Patent EP 1 223 008 Patent US 6,739,172

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German Quality Product





### Supply format

REMS Power-Press Basic-Pack. Electro-hydraulic radial press with switch-off signal for producing pressing joints Ø 10-108 (110) mm, Ø 3/8-4". For driving REMS pressing tongs/pressing rings and other suitable makes of pressing tongs/ pressing chains. Pressing tongs seat with automatic locking. Electro-hydraulic drive with proven universal motor 230 V or 110 V, 50-60 Hz, 450 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch. In sturdy steel case.

	ArtNo.
	577011

Other voltages on request.

Description	ArtNo.		
REMS Power-Press Drive Unit 577001			
REMS pressing tongs/pressing rings see pa	ge 142–158.		
REMS cropping tongs for threaded rods see p	bage 161.		
REMS cable shear for electric cable see page	161.		
Steel case with insert	570280		





# **REMS Power-Press ACC**

Universal, handy electric tool with automatic circuit control for producing pipe pressing joints for all common pressfitting systems.

Pipe pressing joints

Ø 10-108 (110) mm

Ø 3/8-4"

Complete range of REMS pressing tongs/ pressing rings for all common pressfitting systems, see page 142-158.

### REMS Power-Press ACC – universal up to Ø 110 mm. With automatic circuit control. Secure crimping in seconds. Automatic locking of pressing tongs.

### System advantage

Only one type of pressing tongs/pressing rings for all REMS radial presses (except REMS Mini-Press ACC) and radial presses of other makes.

All pressing tongs marked by a \* have another connection (Patent EP 1 223 008, Patent US 6,739,172) and also fit the manual radial press REMS Eco-Press. Thus simple, inexpensive stocking

### Pressing tongs/pressing rings for all common systems

Complete assortment of REMS pressing tongs/pressing rings for all common pressfitting systems (page 142–158). High-compression pressing tongs/pressing rings in forged and specially hardened steel. Pressing contours of REMS pressing tongs/pressing rings are system-specific and correspond to the respective pressfitting system. Thus perfect systemconformity, safe press jointing.

### Design

Compact, robust, job site-proven. Small in size, slender design, drive unit only 4.7 kg. Works anywhere, free-hand, overhead, in confined areas. Ideal weight distribution for single handed operation. Ergonomically designed housing with recessed grip. Swivelling pressing tongs/adapter tongs seat. Secure seating of pressing tongs by automatic locking. Also suitable for other suitable makes of pressing tongs/pressing rings.

### Pressing operation by touch-control with ACC

For reliable service, operating and functional safety. Automatic retraction after completion of pressing operation (automatic circuit control).

### Drive

Enormous thrust and pressing force for fast and perfect press jointing. Powerful electro-hydraulic drive with proven universal motor 450 W. robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch



German Quality Product





### Supply format

REMS Power-Press ACC Basic-Pack. Electro-hydraulic radial press with automatic retraction for producing pressing joints Ø 10-108 (110) mm, Ø 3/8-4". For driving REMS pressing tongs/pressing rings and other suitable makes of pressing tongs/pressing rings. Pressing tongs seat with automatic locking. Electro-hydraulic drive with proven universal motor 230 V or 110 V, 50-60 Hz, 450 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch. In sturdy steel case.

	-		ArtNo.	
			577010	

Other voltages on request.

Description	ArtNo.	
REMS Power-Press ACC Drive Unit 577000		
REMS pressing tongs/pressing rings see page 142-	158.	
REMS cropping tongs for threaded rods see page 161		
REMS cable shear for electric cable see page 161.		
Steel case with insert	570280	



# **REMS Akku-Press**

Universal, handy electric tool with switch-off signal for producing pipe pressing joints for all common pressfitting systems. For battery and corded operation.

Ø 10-108 (110) mm / Ø <sup>3</sup>/<sub>8</sub>-4 Pipe pressing joints

Complete range of REMS pressing tongs/ pressing rings for all common pressfitting systems, see page 142-158.

### REMS Akku-Press Li-Ion – universal up to Ø 110 mm. Secure crimping in seconds. Automatic locking of pressing tongs.

### System advantage

Only one type of pressing tongs/pressing rings for all REMS radial presses (except REMS Mini-Press ACC) and radial presses of other makes.

All pressing tongs marked by a \* have another connection (Patent EP 1 223 008, Patent US 6,739,172) and also fit the manual radial press REMS Eco-Press. Thus simple, inexpensive stocking

## Pressing tongs/pressing rings

for all common systems Complete assortment of REMS pressing tongs/pressing rings for all common pressfitting systems (page 142–158). High-compression pressing tongs/pressing rings in forged and specially hardened steel. Pressing contours of REMS pressing tongs/pressing rings are system-specific and correspond to the respective pressfitting system. Thus perfect systemconformity, safe press jointing.

### Design

Compact, handy, light. Drive unit with battery only 4.3 kg. Works anywhere, free-hand, overhead, in confined areas. Optimum weight distribution for singlehand operation. Ergonomically shaped housing with recessed grip. Integrated LED work light for illuminating the work place. Swivelling pressing tongs seat. Secure seating of pressing tongs/adapter tongs by automatic locking. Also suitable for other suitable makes of pressing tongs/pressing rings. For battery and corded operation. Electronic charging status check with flat battery protection and charging status indicator with 2-coloured LED.

### Pressing operation by touch-control

For reliable service, operating and functional safety. A perfect joint is achieved when pressing tongs close completely. Acoustic signal after successful completion of pressing operation. The pressing longs remain in a closed position until reset button is pushed and releases. This way, the perfect pressing joint (completely closed pressing jaws) can be observed

#### Drive

Enormous thrust and pressing force for fast and perfect press jointing. Powerful electro-hydraulic drive with powerful battery motor 14.4 V, 380 W output, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch.

### Battery or mains operation

Li-lon PLUS technology. Highly resistant Li-lon 14.4 V battery with 3.2 Ah capacity, for long service life. Powerful and light. Li-lon 14.4 V, 3.2 Ah battery for approx. 270 pressings Viega Profipress DN 15 per battery charge. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range -10 to +60 °C. No memory effect for maximum battery power. Rapid charger for short charging times. Li-lon 230 V voltage supply for mains operation instead of Li-lon battery 14.4 V, as accessory.

### Supply format

REMS Akku-Press Li-Ion Basic-Pack. Cordless radial press with switch-off signal for producing pipe pressing joints Ø 10–108 (110) mm, Ø 3/8–4". For driving REMS pressing tongs/pressing rings and other suitable makes of pressing tongs/ pressing rings. Swivelling pressing tongs seat with automatic locking. Electrohydraulic drive with powerful battery motor 14.4 V, 380 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch. Integrated LED work light. Battery Li-Ion 14.4 V, 3.2 Ah, rapid charger Li-Ion/Ni-Cd 230 V or 110 V, 50–60 Hz, 65 W. In sturdy steel case. Art.-No.

571013

### Other voltages on request.

Accessories

Accessones	
Description	ArtNo.
REMS pressing tongs/pressing rings see page 142-	158.
REMS cropping tongs for threaded rods see page 161	
REMS cable shear for electric cable see page 161.	
REMS Akku-Press Li-Ion drive unit,	
without battery	571003
Battery Li-Ion 14.4 V, 3.2 Ah	571555
Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W	571560
Voltage supply Li-Ion 230 V	571565
Steel case with inlay	571290
REMS cordless LED lamp see page 97	175200



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International

Design Award

LE)







# **REMS Akku-Press ACC**

### Cordless radial press with automatic circuit control

Universal, handy electric tool with automatic circuit control for producing pipe pressing joints for all common pressfitting systems. For battery and corded operation.

Pipe pressing joints  $\emptyset$  10–108 (110) mm /  $\emptyset$   $\frac{3}{8}$ –4

Complete range of REMS pressing tongs/ pressing rings for all common pressfitting systems, see page 142–158.

### REMS Akku-Press ACC Li-lon – universal up to $\emptyset$ 110 mm. With automatic circuit control. Secure crimping in seconds. Automatic locking of pressing tongs.

### System advantage

Only one type of pressing tongs/pressing rings for all REMS radial presses (except REMS Mini-Press ACC) and radial presses of other makes.

All pressing tongs marked by a \* have another connection (Patent EP 1 223 008, Patent US 6,739,172) and also fit the manual radial press REMS Eco-Press. Thus simple, inexpensive stocking.

#### Pressing tongs/pressing rings for all common systems

for all common systems Complete assortment of REMS pressing tongs/pressing rings for all common pressfitting systems (page 142–158). High-compression pressing tongs/pressing rings in forged and specially hardened steel. Pressing contours of REMS pressing tongs/pressing rings are system-specific and correspond to the respective pressfitting system. Thus perfect systemconformity, safe press jointing.

### Design

Compact, handy, light. Drive unit with battery only 4.3 kg. Works anywhere, free-hand, overhead, in confined areas. Optimum weight distribution for single-hand operation. Ergonomically shaped housing with recessed grip. Integrated LED work light for illuminating the work place. Swivelling pressing tongs seat. Secure seating of pressing tongs/adapter tongs by automatic locking. Also suitable for other suitable makes of pressing tongs/pressing rings. For battery and corded operation. Electronic charging status check with flat battery protection and charging status indicator with 2-coloured LED.

### Pressing operation by touch-control with ACC

For reliable service, operating and functional safety. Automatic retraction after completion of pressing operation (automatic circuit control).

### Drive

Enormous thrust and pressing force for fast and perfect press jointing. Powerful electro-hydraulic drive with powerful battery motor 14.4 V, 380 W output, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch.

### Battery or mains operation

Li-Ion PLUS technology. Highly resistant Li-Ion 14.4 V battery with 3.2 Ah capacity, for long service life. Powerful and light. Li-Ion 14.4 V, 3.2 Ah battery for approx. 270 pressings Viega Profipress DN 15 per battery charge. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range –10 to +60 °C. No memory effect for maximum battery power. Rapid charger for short charging times. Li-Ion 230 V voltage supply for mains operation instead of Li-Ion battery 14.4 V, as accessory.

### Supply format

REMS Akku-Press ACC Li-Ion Basic-Pack. Cordless radial press with automatic circuit control for producing pipe pressing joints Ø 10−108 (110) mm, Ø <sup>3</sup>/<sub>8</sub>−4". For driving REMS pressing tongs/pressing rings and other suitable makes of pressing tongs/pressing rings. Swivelling pressing tongs seat with automatic locking. Electro-hydraulic drive with powerful battery motor 14.4 V, 380 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch. Integrated LED work light. Battery Li-Ion 14.4 V, 3.2 Ah, rapid charger Li-Ion/Ni-Cd 230 V or 110 V, 50−60 Hz, 65 W. In sturdy steel case.

571014

Other voltages on request.

#### Accessories

Description       ArtNo.         REMS pressing tongs/pressing rings see page 142–158.         REMS cropping tongs for threaded rods see page 161.         REMS cable shear for electric cable see page 161.         REMS cable shear for electric cable see page 161.         REMS Akku-Press ACC Li-lon drive unit, without battery       571004         Battery Li-lon 14.4 V, 3.2 Ah       571555         Rapid charger Li-lon/Ni-Cd 230 V, 50–60 Hz, 65 W       571560         Voltage supply Li-lon 230 V       571565         Steel case with inlay       571290         PEMS cordless LED lamp see page 97       175200			
REMS cropping tongs for threaded rods see page 161.         REMS cable shear for electric cable see page 161.         REMS Akku-Press ACC Li-lon drive unit, without battery       571004         Battery Li-lon 14.4 V, 3.2 Ah       571555         Rapid charger Li-lon/Ni-Cd 230 V, 50-60 Hz, 65 W       571560         Voltage supply Li-lon 230 V       571565         Steel case with inlay       571290	Description	ArtNo.	
REMS cable shear for electric cable see page 161.         REMS Akku-Press ACC Li-lon drive unit,         without battery       571004         Battery Li-lon 14.4 V, 3.2 Ah       571555         Rapid charger Li-lon/Ni-Cd 230 V, 50-60 Hz, 65 W       571560         Voltage supply Li-lon 230 V       571565         Steel case with inlay       571290	REMS pressing tongs/pressing rings see page 142-1	58.	
REMS Akku-Press ACC Li-lon drive unit, without battery571004Battery Li-lon 14.4 V, 3.2 Ah571555Rapid charger Li-lon/Ni-Cd 230 V, 50-60 Hz, 65 W571560Voltage supply Li-lon 230 V571565Steel case with inlay571290	<b>REMS cropping tongs</b> for threaded rods see page 161.		
without battery         571004           Battery Li-Ion 14.4 V, 3.2 Ah         571555           Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W         571560           Voltage supply Li-Ion 230 V         571565           Steel case with inlay         571290	REMS cable shear for electric cable see page 161.		
Battery Li-Ion 14.4 V, 3.2 Ah         571555           Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W         571560           Voltage supply Li-Ion 230 V         571565           Steel case with inlay         571290	REMS Akku-Press ACC Li-lon drive unit,		
Rapid charger Li-lon/Ni-Cd 230 V, 50-60 Hz, 65 W         571560           Voltage supply Li-lon 230 V         571565           Steel case with inlay         571290	without battery	571004	
Voltage supply Li-lon 230 V571565Steel case with inlay571290	Battery Li-Ion 14.4 V, 3.2 Ah	571555	
Steel case with inlay 571290	Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W	571560	
	Voltage supply Li-Ion 230 V	571565	
REMS cordiess   ED Jamp see page 97 175200	Steel case with inlay	571290	
Nemo cordicas Leb lamp see page of	REMS cordless LED lamp see page 97	175200	



with automatic circuit control and charging status check

Tested by electrosuisse German Quality Product













### for all common pressfitting systems

German Quality Product



Patent EP 1 223 008 Patent US 6,739,172



### **REMS pressing tongs/REMS pressing rings**

High-compression pressing tongs in forged and specially hardened steel. Pressing contours of REMS pressing tongs/pressing rings are system-specific and correspond with the respective pressfitting system. Thus perfect system-conformity, safe press jointing. Pressing jaws of pressing tongs/pressing rings manufactured on CNC production centres ensure high-precision machining of pressing contour. Hence far closer tolerances compared to as cast pressing contour.

Drive through all REMS radial presses (except REMS Mini-Press ACC) and suitable radial presses of other makes. All pressing tongs marked with \* have an optional connection (Patent EP 1 223 008, Patent US 6,739,172) for manual drive through the radial press REMS Eco-Press. Read and follow the installation and assembly instructions of the system provider/manufacturer.

Select pressing tongs/pressing rings yourself! Search for the required pressfitting system in the opposite table and select the correct pressing tongs size/pressing rings size. Please note that pressfitting systems for gas installation may only be pressed with the pressing tongs/pressing rings which are highlighted in yellow in the table. Intermediate tongs (page 158) are necessary for driving the REMS pressing rings (PR).

### Traceability according to EN 1775:2007

REMS pressing tongs/pressing rings with pressing contour F, M, V, SA, B, RN and UP have worked a specific marking into the pressing contour which leaves a lasting impression on the pressed fitting after the pressing process. This enables the user to check again whether the most suitable pressing tongs or the suitable pressing ring have been used to make the pressfit connection even after the pressing process.

With this traceability REMS fulfils the recommendations of the European standard EN 1775:2007 for the installation of pressfitting systems for gas.



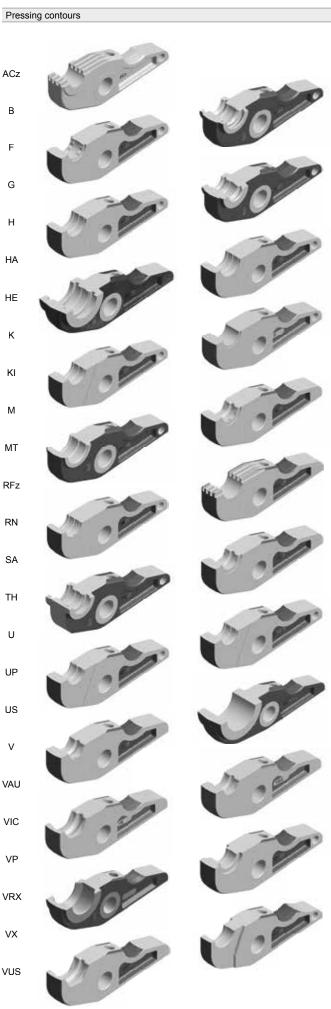
Example REMS pressing tongs M: "M" imprint on pressed fitting for traceability according to EN 1775:2007

### Hold-Harmless and Indemnification Agreement See page 160. Confirmation of suitability

See page 159.



Accessories for REMS radial presses (except REMS Mini-Press ACC) and suitable radial presses of other makes



System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
-FIX PRESS	H 12*	570300	ALB	TH 16*	570460	BARBI	H 12*	570300
lobal Piping	H 16*	570320				EASYPRESS	H 16*	570320
ystems)	H 20*	570350	Sistema Multicapa		570465	(Industrial Blansol		570350
	H 25*	570360		TH 20*	570470		H 25*	570360
	H 32	570380		TH 26*	570475		H 32	570380
	RFz 12*	571320		TH 32	570480		H 40 (4G)	570390
	RFz 16*	571325		TH 40	570485		RFz 12*	571320
	RFz 20*	571330		TH 50 (S)	572400		RFz 16*	571325
	RFz 25	571335		TH 63 (S)	572405		RFz 20*	571330
	RFz 32	571340					RFz 25	571335
	U 16*	570765		H 16*	570320		RFz 32	571340
				H 18*	570340		U 16*	570765
	U 20*	570775		H 20*	570350		U 20*	570775
	U 25*	570780		H 26*	570370		U 25*	570780
	U 32	570785		H 32	570380		U 32	570785
	VX 16* VX 20*	571635		H 40 (4G)	570390		U 40	570790
0 50/		571640		. ,			U 50	570795
C-FIX	H 16*	570320		U 16*	570765		U 63 (PR-3B) <sup>3)</sup>	572837
RESS-MULTI	H 18*	570340		U 18*	570770		U 63 (S)	572365
lobal Piping	H 20*	570350		U 20*	570775		U 75 (PR-3B) <sup>3)</sup>	572828
rstems)	H 25*	570360		C 26*	570750		. ,	
	H 32	570380		U 32	570785	BARBI MULTIPEX	H 14* H 16*	570310 570320
	RFz 16*	571325			570790	(Industrial Blansol		570320 570340
	RFz 20*	571330		U 40		(แบบจนาสิเ ษเลกริง)		570340 570350
	RFz 25	571335		U 50	570795		H 20* H 25*	570350 570360
	RFz 32	571340		U 63 (S)	572365			
	U 16*	570765	APE Serie AP	B 16*	570850		H 26*	570370
	U 18*	570770		B 20*	570860		H 32	570380
	U 20*	570775		B 26	570870		H 40 (4G)	570390
	U 25*	570780					RFz 16*	571325
	U 32	570785		B 32	570880		RFz 18*	571327
COME MT	ACz 12*	572642		H 16*	570320		RFz 20*	571330
	ACz 16*	572644		H 20*	570350		RFz 25	571335
	ACz 20*	572646		H 26*	570370		RFz 32	571340
	ACz 25	572648		H 32	570380		TH 16*	570460
HLSELL	M 12	570100					TH 18*	570465
-press	M 15	570110		TH 16*	570460		TH 20*	570470
förzinkad	M 18	570120		TH 18*	570465		TH 25*	570495
	M 22	570130		TH 20*	570470		TH 26*	570475
	M 28	570140		TH 26*	570475		TH 32	570480
	M 35	570150		TH 32	570480		TH 40	570485
	M 42 (PR-3S) <sup>3)</sup>	572706		U 16*	570765		TH 50 (S)	572400
	M 54 (PR-3S) <sup>3)</sup>	572708					TH 63 (S)	572405
				U 20*	570775		TH 75 (PR-3B)3)	572829
HLSELL	V 12	570107		U 40	570790		U 16*	570765
press koppar	V 15	570115		U 50	570795		U 18*	570770
	V 18	570125		U 63 (PR-3B) <sup>3)</sup>	572837		U 20*	570775
	V 22	570135		U 63 (S)	572365		U 25*	570780
	V 28	570145					U 32	570785
	V 35	570155	APE Serie AP	TH 16*	570460		U 40	570790
	V 42	570165	Gas	TH 20*	570470		U 50	570795
	V 54	570175		TH 26*	570475		U 63 (PR-3B) <sup>3)</sup>	572837
HLSELL	M 15	570110		TH 32	570480		U 63 (S)	572365
-press rostfritt	M 18	570120	ASTM F 1807	US ¾"*	571450		U 75 (PR-3B)3)	572828
	M 22	570130		US ½"*	571455	BEGETUBE/	B 14*	570845
	M 28	570140	(Fittings with			IVAR	B 16*	570850
	M 35	570150	Copper Crimp	US 3⁄4"*	571460		B 18*	570855
	M 42 (PR-3S) <sup>3)</sup>	572706	Ring for PEX	US 1"*	571465		B 20*	570860
	M 54 (PR-3S)3)	572708	tubing)	US 1¼"	571470		B 26	570870
RBEL	M 12	570100		US 11/2"	571475		B 32	570880
RESSCLIM	M 15	570110		US 2"	571477		F 40	570742
	M 18	570120					F 50	570745
	M 22	570130	Bampi BALPEX	TH 14*	570455		F 63 (S)	572385
	M 28	570140	(serie MP)	TH 16*	570460		F 75 (PR-3B) <sup>3)</sup>	572830
	M 35	570150		TH 18*	570465	BRASELI	RFz 16*	571325
	M 42 (PR-3S) <sup>3)</sup>	572706		TH 20*	570470	Pressfitting PE-X		571325
	M 54 (PR-3S) <sup>3)</sup>	572708		TH 26*	570475	FICSSILLING FE-X	RF2 20 RFz 25	571330
RBEL	M 12	570100						
				TH 32	570480	DDAOELL	RFz 32	571340
RTINOX	M 15	570110 570120		TH 40	570485	BRASELI	U 16*	570765
	M 18	570120		TH 50 (S)	572400	Pressfitting	U 18*	570770
	M 22	570130		TH 63 (S)	572405	Multicapa	U 20*	570775
	M 28	570140	Bampi BALPEX	TH 16*	570460		U 25*	570780
	M 35	570150					U 32	570785
	M 42 (PR-3S) <sup>3)</sup>	572706	Gas	TH 20*	570470		U 40	570790
	M 54 (PR-3S) <sup>3</sup>	572708		TH 26*	570475		U 50	570795

Pressfitting systems for gas installations must only be pressed with pressing tongs/pressing rings which are highlighted in yellow.

Observe the national regulations.

\* These pressing tongs also fit the manual radial press REMS Eco-Press. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw.

 $^{\scriptscriptstyle 2)}$  For this pressfitting system producing a pressing joint with manual radial presses is not permitted.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 158.

<sup>4)</sup> Press fittings made of red bronze (ProPress XL) must be pressed with pressing rings with press contour VUSR, copper fittings (ProPress XL-C)

and stainless steel fittings (ProPress XL-S) with pressing rings with press contour VUSF.

<sup>5)</sup> For taking suitable pressing inserts.

<sup>6)</sup> Press fittings made of red bronze (Sanpress XL) must be pressed with pressing rings with press contour VR, copper fittings (Profipress XL, Profipress G XL), carbon steel (Prestabo XL) and stainless steel fittings (Sanpress Inox XL, Sanpress Inox G XL) with pressing rings with press contour VF.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

Pressing tongs/pressing rings for additional pressfitting systems on request.

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
rass Form	H 16*	570320	Comap	V 12	570107	EBRILLE	U 14*	570760
ress Form	H 18*	570340	Sudopress Cu	V 14	570112	Monflex	U 16*	570765
ex	H 20*	570350	Visu-Control	V 15	570115		U 18*	570770
	TH 16*	570460	Solar	V 16	570117		U 20*	570775
	TH 18*	570465		V 18	570125		U 25*	570780
	TH 20*	570470		V 22	570135		H 26*	570370
	U 16*	570765		V 28	570145		TH 26*	570475
	U 18*	570770		V 35	570155		U 32	570785
	U 20*	570775		V 42	570165		U 40	570790
rass Form	H 16*	570320		V 54	570175		U 50	570795
ress Form	H 18*	570340	Comap	RFz 12*	571320		U 63 (PR-3B) <sup>3)</sup>	572837
ex-Al-Pex	H 20*	570350	PEXPress	RFz 16*	571325		U 63 (S)	572365
	TH 16*	570460		RFz 20*	571330		U 75 (PR-3B) <sup>3)</sup>	572828
	TH 18*	570465		RFz 25	571335	egeda Comisa	TH 16*	570460
	TH 20*	570470	Comap	TH 14*	570455		TH 20*	570470
	U 16*	570765	SKINPress	TH 16*	570460		TH 26*	570475
	U 18*	570770	Visu-Control	TH 18*	570465		TH 32	570480
	U 20*	570775		TH 20*	570470		TH 40	570485
rass & Fittings	RFz 16*	571325		TH 26*	570475	egeda Baronio	V 12	570107
ressman	RFz 18*	571327		THL 32	570487		V 15	570115
lulticapa	ACz 20*	572646		TH 40	570485		V 18	570125
latioapa	RFz 25	571335		TH 50 (S)	572400		V 22	570135
	RFz 32	571340		TH 63 (S)	572405		V 28	570145
rass & Fittings	RFz 16*	571325	Comap	TH 16*	570460		V 35	570155
etipress	RFz 18*	571325	SKINPress	TH 20*	570470		V 42	570165
eupress				TH 26*	570475		V 54	570175
	ACz 20* RFz 25	572646 571335	22	THL 32	570487		V 12 45° (PR-2B) <sup>3)</sup>	574502
	RFz 25 RFz 32	571335	COMISA	TH 14*	570455		V 15 45° (PR-2B) <sup>3</sup>	574504
DACOTEOU			Press System	TH 16*	570455		V 18 45° (PR-2B) <sup>3</sup>	574506
RASSTECH	H 16*	570320		TH 18*	570465		V 22 45° (PR-2B) <sup>3)</sup>	574508
IULTItermoSAN	H 18*	570340		TH 20*	570470		V 28 45° (PR-2B) <sup>3</sup>	574510
rasspress	H 20*	570350		TH 25*	570495		V 35 45° (PR-2B) <sup>3)</sup>	574512
	H 26*	570370		TH 26*	570495	Elkhart	VUS 1/2" (OD 15,9 mm)	571770
	TH 16*	570460		TH 32	570480	APOLLOXPRESS		571775
	TH 18*	570465		TH 40	570485	Fittings Copper	VUS 1" (OD 28,6 mm)	571780
	TH 20*	570470		TH 50 (S)	572400	and Low-Lead	VUS 11/4" (OD 34,9 mm)	571785
	TH 26*	570475		TH 63 (S)	572405	Brass	VUS 1 <sup>1</sup> / <sub>2</sub> " (OD 41,3 mm)	571790
	TH 32	570480		H 14*	570310	Ellah ant	VUS 2" (OD 54,0 mm)	571795
	TH 40	570485		H 16*	570320	Elkhart	VUSF 2 <sup>1</sup> / <sub>2</sub> " (PR-3B) <sup>3)</sup>	572819
	TH 50 (S)	572400		H 18*	570340		(OD 66,7 mm)	570000
	TH 63 (S)	572405		H 20*	570350	LD-C Fittings	VUSF 3" (PR-3B) <sup>3)</sup>	572820
	U 16*	570765		H 26*	570370	Copper	(OD 79,4 mm)	570004
	U 18*	570770		H 32	570380		VUSF 4" (PR-3B) <sup>3)</sup> (OD 104,8 mm)	572821
	U 20*	570775		B 14*	570845			570050
ROEN	M 15	570110		B 16*	570850	EMMETI GERPEX-	B 16* B 20*	570850 570860
ALLOFIX PRES	M 18	570120		B 18*	570855	FIVPRESS	B 20 B 26	570800
DALLOTIATIALO	M 22	570130		B 20*	570860	FIVERESS	B 32	570880
	V 15	570115		B 26	570870		F 16*	570715
	V 18	570125		B 32	570880		F 20*	570725
	V 22	570135	COMISA				H 16*	570320
usiness Key	M 15	570110		TH 16*	570460		H 20*	570320 570350
IT-PRESS	M 18	570120	Press System Gas	TH 20*	570470 570475		TH 16*	570460
nox)	M 22	570130		TH 20 TH 32	570475		TH 20*	570400
	M 28	570140					TH 26*	570470
	M 35	570150	CONEL	F 16*	570715		TH 32	570475 570480
	M 42 (4G)	570160	CONNECT	F 20*	570725		TH 32 TH 40	570485
	M 54 (4G)	570170	MULTI	F 26*	570730			
	M 42 (PR-3S) <sup>3)</sup>	572706		F 32	570735		TH 50 (S) TH 63 (S)	572400
	M 54 (PR-3S) <sup>3)</sup>	572708		H 16*	570320		U 16*	572405
ello Products	VUS 1/2" (OD 15,9 mm)	571770		H 20*	570350		U 20*	570765 570775
B< Press	VUS <sup>3</sup> / <sub>4</sub> " (OD 22,2 mm)	571775		H 26*	570370	EMPLIP		
DV FIESS	VUS 1" (OD 22,2 mm)	571780		H 32	570380	EMPUR	TH 14*	570455
	(). ,			TH 16*	570460		TH 15*	570457
	VUS 11/4" (OD 34,9 mm)	571785 571700		TH 20*	570470		TH 16*	570460
	VUS 1 <sup>1</sup> / <sub>2</sub> " (OD 41,3 mm)	571790 571795		TH 26*	570475		TH 17*	570462
limatol	VUS 2" (OD 54,0 mm)	571795		TH 32	570480		TH 20*	570470 570495
limatek	TH 14*	570455		U 16*	570765	ELIDACCODDI	TH 25*	570495
lima Therm	TH 16*	570460		U 20*	570775	EURACCORDI	M 15	570110 570120
	TH 18*	570465	(NW 26)		570780	SYCPRESS STAINLESS	M 18 M 22	570120 570130
	TH 20*	570470		U 32	570785	STEEL PRESS	M 22 M 28	570130 570140
	TH 26*	570475		VP 16*	570910	FITTINGS	M 28 M 35	570140 570150
	TH 32	570480		VP 20*	570915	1111103	M 35 M 42 (PR-3S) <sup>3)</sup>	570150
	H 40 A (4G)	570695		VP 32	570925		M 42 (PR-3S) <sup>3)</sup> M 54 (PR-3S) <sup>3)</sup>	572706 572708
louSet Press	TH 14*	570455	DIWAsystems	TH 14*	570455		M 54 (PR-35) <sup>3</sup> M 15 45° (PR-2B) <sup>3</sup>	572708 574522
	TH 16*	570460	-	TH 16*	570460			
	TH 18*	570465		TH 20*	570470		M 18 45° (PR-2B) <sup>3</sup>	574524 574526
	TH 20*	570470		TH 26*	570475		M 22 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup>	574526 574528
	TH 26*	570475		TH 32	570480		M 28 45° (PR-2B)° <sup>,</sup> M 35 45° (PR-2B) <sup>3</sup>	574528 574530
omap	V 12	570107		TH 40	570485			
udopress Cu	V 14	570112		TH 50 (S)	572400	EURACCORDI SYCPRESS	M 15 M 18	570110 570120
Visu-Control	V 15	570115		TH 63 (S)	572405	CARBON STEEL		570120 570130
	V 16	570117	DW Verbundrohr	U 16*	570765	PRESS FITTINGS		570130 570140
	V 18	570125	multitubo systems		570770	FRESS FITTINGS		
	V 22	570135		U 20*	570775		M 35	570150 572706
	V 28	570145		U 25*	570780		M 42 (PR-3S) <sup>3)</sup>	572706
	V 35	570155		U 32	570785		M 54 (PR-3S) <sup>3)</sup>	572708
	V 42	570165		U 32 U 40	570785		M 15 45° (PR-2B) <sup>3</sup>	574522
	V 42 V 54	570175		U 40 U 50			M 18 45° (PR-2B) <sup>3)</sup>	574524
oman					570795		M 22 45° (PR-2B) <sup>3)</sup>	574526
omap	V 12	570107		U 63 (PR-3B) <sup>3)</sup>	572837		M 28 45° (PR-2B) <sup>3)</sup>	574528
udopress	V 14	570112		U 63 (S)	572365		M 35 45° (PR-2B) <sup>3)</sup>	574530
u Visu-Control	V 15	570115		U 75 (PR-3B) <sup>3)</sup>	572828	EUROTUBI	M 12	570100
as	V 16	570117	EBRILLE	U 16*	570765		M 15	570110
	V 18	570125	Isomonflex	U 18*	570770	PRESSFITTING	M 18	570120
	V 22	570135		U 20*	570775	SISTEM <sup>1)</sup>	M 22	570130
	V 28	570145		U 25*	570780		M 28	570140
	V 20							
	V 35	570155		H 26*	570370		M 35	570150
		570155 570165		H 26* TH 26*	570370 570475		M 35 M 42 (PR-3S) <sup>3)</sup>	570150 572706

Accessories for REMS radial presses (except REMS Mini-Press ACC) and suitable radial presses of other makes

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
EUROTUBI	M 15	570110	FELSINEA TECH	TH 14*	570455	Fittings Estándar	RFz 16*	571325
Europa INOX	M 18	570120	Felsineapress	TH 16*	570460	MULTICAPA	RFz 18*	571327
PRESSFITTING	M 22	570130		TH 18*	570465		RFz 20*	571330
SISTEM <sup>1)</sup>	M 28	570140		TH 20*	570470		RFz 25	571335
	M 35	570150		TH 26*	570475		RFz 32	571340
	M 42 (PR-3S) <sup>3)</sup>	572706		TH 32	570480	Fittings Estándar	RFz 16*	571325
	M 54 (PR-3S)3)	572708		TH 40	570485	PE-X	RFz 20*	571330
FAR Rubinetterie	TH 14*	570455		TH 50 (S)	572400		RFz 25	571335
PRESSFAR	TH 16*	570460		TH 63 (S)	572405		RFz 32	571340
	TH 17*	570462	Fercofloor	RFz 16*	571325	FOHS	TH 16*	570460
	TH 18*	570465	DUO Press	RFz 20*	571330	HEIZTECHNIK	TH 20*	570470
	TH 20*	570470	FERCO PEX	RFz 25	571335	FOHSPRESS	TH 26*	570475
	TH 25*	570495		RFz 32	571340		TH 32	570480
	TH 26*	570475	Fercofloor	RFz 16*	571325	FORNARA	B 16*	570850
	TH 32	570480	DUO Press	RFz 20*	571330	ForPress	B 20*	570860
	TH 40	570485	MULTIFER	RFz 25	571335		B 26	570870
	TH 50 (S)	572400		RFz 32	571340		B 32	570880
	TH 63 (S)	572405		U 16*	570765		F 16*	570715
	H 14*	570310		U 18*	570770		F 20*	570725
	H 16*	570320		U 20*	570775		F 26*	570730
	H 18*	570340		U 25*	570780		F 32	570735
	H 20*	570350	FILTUBE	U 32	570785		H 16*	570320
	H 26*	570370		FTB 15 FTB 18	571432 571434		H 20*	570350
	H 32	570380	Filpress	FTB 18	571434 571436		H 26*	570370
	H 40 (4G)	570390		FTB 22 FTB 28	571438		H 32	570380
	U 14*	570760		FTB 28	571438		TH 16*	570460
	U 16*	570765		M 42 (4G)	570160		TH 20*	570470
	U 18*	570770		M 54 (4G)	570170		TH 26*	570475
	U 20*	570775		M 42 (PR-3S) <sup>3)</sup>	572706			
	U 25*	570780		M 54 (PR-3S) <sup>3)</sup>	572708		TH 32	570480
	U 32	570785	FILTUBE	M 15	570110		U 16*	570765
	U 40	570790	Instalpress	M 18	570120		U 20*	570775
	U 50	570795	Carbon Steel	M 22	570130		U 32	570785
	U 63 (PR-3B)3)	572837	ourbon oteer	M 28	570140	FRABO	V 12	570107
	U 63 (S)	572365		M 35	570150	FRABOPRESS	V 15	570115
F.B.Q. BARONIO	V 12	570107		M 42 (4G)	570160	RAME (Cu)	V 18	570125
BQ press	V 14	570112		M 54 (4G)	570170		V 22	570135
	V 15	570115		M 42 (PR-3S) <sup>3)</sup>	572706		V 28	570145
	V 16	570117		M 54 (PR-3S) <sup>3)</sup>	572708		V 35	570155
	V 18	570125		M 15 45° (PR-2B) <sup>3)</sup>	574522		V 42	570165
	V 22	570135		M 18 45° (PR-2B) <sup>3)</sup>	574524		V 54	570175
	V 28	570145		M 22 45° (PR-2B)3)	574526		V 12 45° (PR-2B) <sup>3)</sup>	574502
	V 35	570155		M 28 45° (PR-2B)3)	574528		V 15 45° (PR-2B) <sup>3)</sup>	574504
	V 42	570165		M 35 45° (PR-2B)3)	574530		V 18 45° (PR-2B) <sup>3)</sup>	574506
	V 54	570175	FILTUBE	M 15	570110		V 22 45° (PR-2B) <sup>3)</sup>	574508
	V 12 45° (PR-2B) <sup>3)</sup>	574502	Instalpress	M 18	570120		V 28 45° (PR-2B) <sup>3)</sup>	574510
	V 15 45° (PR-2B) <sup>3)</sup>	574504	Copper	M 22	570130		V 35 45° (PR-2B) <sup>3)</sup>	574512
	V 18 45° (PR-2B) <sup>3)</sup>	574506		M 28	570140	FRABO	V 12	570107
	V 22 45° (PR-2B) <sup>3)</sup>	574508		M 35	570150	FRABOPRESS	V 15	570115
	V 28 45° (PR-2B) <sup>3</sup>	574510		M 42 (4G)	570160	RAME (Cu)	V 18	570125
	V 35 45° (PR-2B) <sup>3)</sup>	574512		M 54 (4G)	570170		V 22	570135
F.B.Q. BARONIO		570115		M 42 (PR-3S) <sup>3)</sup>	572706		V 28	570145
BQ press	V 18	570125		M 54 (PR-3S) <sup>3)</sup>	572708		V 35	570155
carbon steel	V 22	570135		M 15 45° (PR-2B)3)	574522		V 42	570165
	V 28	570145		M 18 45° (PR-2B)3)			V 54	570175
	V 35	570155		M 22 45° (PR-2B) <sup>3)</sup>			V 12 45° (PR-2B)3)	574502
	V 35 V 42	570165		M 28 45° (PR-2B)3)			V 15 45° (PR-2B) <sup>3)</sup>	
	V 42 V 54	570105		M 35 45° (PR-2B) <sup>3)</sup>			V 18 45° (PR-2B) <sup>3)</sup>	574506
	V 54 V 15 45° (PR-2B) <sup>3)</sup>	574504	FILTUBE	M 15	570110		V 22 45° (PR-2B) <sup>3)</sup>	574508
	V 15 45 (PR-2B) <sup>3</sup>	574504 574506	Instalpress	M 18	570120		V 28 45° (PR-2B) <sup>3</sup>	
			Inox	M 22	570130		V 35 45° (PR-2B) <sup>3</sup>	574512
	V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup>	574508 574510		M 28	570140	FRABO	V 12	570107
	V 35 45° (PR-2B) <sup>3</sup>	574510 574512		M 35	570150	FRABOPRESS	V 15	570115
		574512		M 42 (4G)	570160	INOX 316	V 18	570125
	V 15	570115		M 54 (4G)	570170		V 22	570135
BQ press gas	V 18	570125		M 42 (PR-3S) <sup>3)</sup>	572706		V 22 V 28	570135
	V 22	570135		M 54 (PR-3S) <sup>3)</sup>	572708		V 35	570145
	V 28	570145		M 15 45° (PR-2B) <sup>3)</sup>	574522		V 35 V 42	570165
	V 35	570155		M 18 45° (PR-2B) <sup>3)</sup>				
	V 42	570165		M 22 45° (PR-2B) <sup>3)</sup>			V 54	570175
	V 54	570175		M 28 45° (PR-2B) <sup>3)</sup>			V 12 45° (PR-2B) <sup>3)</sup>	574502
	V 15 45° (PR-2B) <sup>3)</sup>	574504		M 35 45° (PR-2B) <sup>3)</sup>			V 15 45° (PR-2B) <sup>3</sup>	574504
	V 18 45° (PR-2B) <sup>3)</sup>	574506	Fittings Estándar	RFz 16*	571325		V 18 45° (PR-2B) <sup>3)</sup>	574506
	V 22 45° (PR-2B) <sup>3)</sup>	574508	ECO-PRESS	RFz 20*	571330		V 22 45° (PR-2B) <sup>3)</sup>	574508
				DE- 05	571005		V 28 45° (PR-2B) <sup>3)</sup>	574510
	V 28 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup>	574510 574512		RFz 25 RFz 32	571335 571340		V 35 45° (PR-2B) <sup>3</sup>	

Pressfitting systems for gas installations must only be pressed with pressing tongs/pressing rings which are highlighted in yellow. Observe the national regulations.

\* These pressing tongs also fit the manual radial press REMS Eco-Press. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw.

<sup>2)</sup> For this pressfitting system producing a pressing joint with manual radial presses is not permitted.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 158.

<sup>4)</sup> Press fittings made of red bronze (ProPress XL) must be pressed with pressing rings with press contour VUSR, copper fittings (ProPress XL-C)

and stainless steel fittings (ProPress XL-S) with pressing rings with press contour VUSF.

<sup>5)</sup> For taking suitable pressing inserts.

<sup>6)</sup> Press fittings made of red bronze (Sanpress XL) must be pressed with pressing rings with press contour VR, copper fittings (Profipress XL, Profipress G XL), carbon steel (Prestabo XL) and stainless steel fittings (Sanpress Inox XL, Sanpress Inox G XL) with pressing rings with press contour VF.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
	V 15	570115	GAROS	TH 14*	570455	General Fittings	TH 16*	570460
	V 18	570125		TH 16*	570460	Serie 5S00	TH 18*	570465
	V 22	570135		TH 20*	570470		TH 20*	570470
	V 28	570145		TH 26*	570475		TH 25*	570495
	V 35	570155		TH 32	570480		TH 26*	570475
	V 42	570165		TH 40	570485		TH 32	570480
	V 54	570175	Osharit Managar				TH 50 (S)	572400
	V 15 45° (PR-2B) <sup>3)</sup>	574504		M 12	570100		H 16*	570320
	V 18 45° (PR-2B) <sup>3)</sup>	574506	C-STAHL	M 15	570110		H 18*	570340
	V 22 45° (PR-2B) <sup>3)</sup>	574508		M 18	570120		H 20*	570350
	V 28 45° (PR-2B) <sup>3)</sup>	574510		M 22	570130		H 25*	570360
	V 35 45° (PR-2B) <sup>3)</sup>	574512		M 28	570140		H 26*	570370
RABO	V 15	570115		M 35	570150		H 32	570380
RABOPRESS	V 18	570125		M 42 (4G)	570160		H 40 (4G)	570390
-STEEL GAS	V 22	570135		. ,			U 16*	570765
	V 28	570145		M 54 (4G)	570170		U 18*	570770
	V 35	570155		M 42 (PR-3S) <sup>3)</sup>	572706		U 20*	570775
	V 15 45° (PR-2B)3)	574504		M 54 (PR-3S) <sup>3)</sup>	572708		U 32	570785
	V 18 45° (PR-2B) <sup>3)</sup>	574506		M 12 45° (PR-2B) <sup>3)</sup>	574520		U 40	570790
	V 22 45° (PR-2B) <sup>3)</sup>	574508		M 15 45° (PR-2B)3)	574522			
	V 28 45° (PR-2B) <sup>3)</sup>	574510		M 18 45° (PR-2B)3)	574524		U 50	570795
	V 35 45° (PR-2B) <sup>3)</sup>	574512		M 22 45° (PR-2B)3)	574526		B 16*	570850
	TH 16*	570460		M 28 45° (PR-2B) <sup>3)</sup>	574528		B 18*	570855
	TH 20*	570470		M 35 45° (PR-2B) <sup>3</sup>	574530		B 20*	570860
	TH 26*	570475	0.1	, ,			B 26	570870
	TH 32	570480		M 12	570100		B 32	570880
	U 16*	570765	EDELSTAHL	M 15	570110	Giacomini	H 16*	570320
	U 20*	570775		M 18	570120	Raccordi RM	H 20*	570350
	H 16*	570320		M 22	570130	Giacomini	H 26*	570370
	H 20*	570350		M 28	570140		H 32	570380
	U 16*	570765		M 35	570150		TH 16*	570460
	U 20*	570765		M 42 (4G)	570160		TH 20*	570470
	V 15	570115		M 42 (4G) M 54 (4G)	570170		TH 26*	570475
	V 15 V 18	570115		( )			THL 32	570487
	V 18 V 22	570125		M 42 (PR-3S) <sup>3)</sup>	572706		U 16*	570765
	V 22 V 28	570135		M 54 (PR-3S) <sup>3)</sup>	572708		U 20*	570775
				M 12 45° (PR-2B) <sup>3)</sup>	574520		U 32	570785
	V 15 45° (PR-2B) <sup>3</sup>	574504		M 15 45° (PR-2B)3)	574522		U 40	570790
	V 18 45° (PR-2B) <sup>3</sup>	574506		M 18 45° (PR-2B)3)	574524		U 50	570795
	V 22 45° (PR-2B) <sup>3</sup>	574508		M 22 45° (PR-2B) <sup>3)</sup>			U 63 (S)	572365
	V 28 45° (PR-2B) <sup>3)</sup>	574510		M 28 45° (PR-2B) <sup>3</sup>	574528	Giacomini	V 15	
	B 16*	570850		, ,				570115
	B 18*	570855		M 35 45° (PR-2B) <sup>3)</sup>			V 18	570125
	B 20*	570860	Geberit Mapress	M 15	570110	serie R850V	V 22	570135
	B 26	570870	EDELSTAHL Gas	M 18	570120		V 28	570145
	B 32	570880		M 22	570130		V 35	570155
	F 16*	570715		M 28	570140		V 42	570165
	F 18*	570720		M 35	570150		V 54	570175
	F 20*	570725		M 42 (PR-3S) <sup>3)</sup>	572706		SA 15	570935
	F 26*	570730			572708		SA 18	570940
	F 32	570735		M 54 (PR-3S) <sup>3)</sup>			SA 22	570945
	TH 16*	570460	Geberit Mapress	M 12	570100		SA 28	570950
	TH 18*	570465	KUPFER	M 15	570110		SA 35	570955
	TH 20*	570470		M 18	570120		M 15	570110
	TH 26*	570475		M 22	570130		M 18	570120
	TH 32	570480		M 28	570140		M 22	570130
ränkische	F 16*	570715		M 35	570150		M 28	570140
pex F50 PROFI	F 20*	570725		M 42 (4G)	570160		M 35	570150
	F 26*	570730		. ,		Ginde Press	U 16*	570765
	F 32	570735		M 54 (4G)	570170	Fitting for Ginde	U 20*	570775
	H 16*	570320		M 42 (PR-3S) <sup>3)</sup>	572706	Multi-layer Pipe	U 25*	570780
	H 20*	570350		M 54 (PR-3S) <sup>3)</sup>	572708	System	U 32	570785
	H 26*	570370		M 12 45° (PR-2B)3)	574520			570785
	H 32	570380		M 15 45° (PR-2B) <sup>3)</sup>	574522	Global Plastic	TH 16*	
	TH 16*	570460		M 18 45° (PR-2B) <sup>3)</sup>		Rothapress	TH 18*	570465
	TH 20*	570470		M 22 45° (PR-2B) <sup>3</sup>			TH 20*	570470
	TH 26*	570475		M 28 45° (PR-2B) <sup>3</sup>	574528		TH 25*	570495
	TH 32	570480		, ,			TH 32	570480
	U 16*	570765		M 35 45° (PR-2B) <sup>3)</sup>			TH 40	570485
	U 20*	570775		M 15	570110		TH 50 (S)	572400
(NW 26)		570780	KUPFER Gas	M 18	570120		TH 63 (S)	572405
	U 32	570785		M 22	570130	GLOBAL	U 16*	570765
	VP 16*	570910		M 28	570140	TRADE	U 20*	570775
	VP 10 VP 20*	570915		M 35	570150	aqualpress	U 25*	570780
	VP 20 VP 32	570925		M 42 (PR-3S) <sup>3)</sup>	572706	system	U 32	570785
	F 20 <sup>2)</sup>	570725		M 54 (PR-3S) <sup>3)</sup>	572708	Golan Pipe	U 16*	570765
	F 26 <sup>2)</sup>	570725	Onhorit M.	· · ·		Systems	U 20*	570775
	F 32 <sup>2)</sup>	570735	Geberit Mepla	G 16*	570400	(Scandinavia)	U 25*	570780
	F 40			G 20*	570410	Alu-Pres	U 32	570785
	F 40 F 50	570742 570745		G 26*	570420		U 40	570790
		570745		G 32	570430		U 50	570795
	F 63 (S)	572385		G 40	570440		U 63 (S)	572365
	F 75 (PR-3B)3)	572830		G 50	570450		U 63 (PR-3B) <sup>3)</sup>	572837
	TH 10*	570467			572470		U 75 (PR-3B) <sup>3)</sup>	572828
	TH 12*	570452		G 63 (S)				
	TH 14*	570455	General Fittings	TH 16*	570460	Grinnell G-PRESS		571770
	TH 15*	570457	Serie 5G00 Trident	TH 20*	570470	Copper Fittings	VUS 3/4" (OD 22,2 mm)	571775
	TH 16*	570460		TH 26*	570475		VUS 1" (OD 28,6 mm)	571780
		570462		TH 32	570480		VUS 11/4" (OD 34,9 mm)	571785
	TH 17*				570320		VUS 11/2" (OD 41,3 mm)	571790
	TH 17* TH 18*	570465			010020		VUS 2" (OD 54,0 mm)	E7170E
		570465		H 16*			VUS Z (OD 54,0 mm)	571795
	TH 18* TH 20*	570465 570470		H 20*	570350		VUSF 2 <sup>1</sup> / <sub>2</sub> " (PR-3B) <sup>3</sup>	
	TH 18* TH 20* TH 25*	570465 570470 570495					VUSF 21/2" (PR-3B)3)	
	TH 18* TH 20* TH 25* TH 26*	570465 570470 570495 570475		H 20*	570350		VUSF 21/2" (PR-3B) <sup>3)</sup> (OD 66,7 mm)	572819
	TH 18* TH 20* TH 25* TH 26* TH 32	570465 570470 570495 570475 570480		H 20* H 26*	570350 570370 570380		VUSF 2½" (PR-3B) <sup>3)</sup> (OD 66,7 mm) VUSF 3" (PR-3B) <sup>3)</sup>	
	TH 18* TH 20* TH 25* TH 26*	570465 570470 570495 570475		H 20* H 26* H 32	570350 570370		VUSF 21/2" (PR-3B) <sup>3)</sup> (OD 66,7 mm)	572819

Accessories for REMS radial presses (except REMS Mini-Press ACC) and suitable radial presses of other makes

-			-	-		-	-	
System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
GS	TH 14*	570455	HELIROMA	U 16*	570765	Hydro-Air	US ¾"*	571450
Värmesysteme	TH 16*	570460	Klimapress	U 18*	570770	Systems	US 1/2"*	571455
System TH	TH 20*	570470		U 20*	570775	Hydro-Plumb	US 3/4"*	571460
	TH 26*	570475		U 25*	570780	Plus PEX	US 1"* US 11⁄4"	571465 571470
	TH 32	570480		U 32	570785	Hydro-Air	U 16* (½")	570765
	TH 40	570485		U 40 U 50	570790 570795	Systems	U 20* (%")	570775
	TH 50 (S)	572400		U 63 (PR-3B) <sup>3)</sup>	572837	Hydro-Flex	U 25* (¾")	570780
	TH 63 (S)	572405		, ,		PEX-AL-PEX	U 32 (1")	570785
GS	V 15	570115		U 63 (S) U 75 (PR-3B) <sup>3)</sup>	572365 572828	IBP >B< Flex	U 16*	570765
Wärmesysteme	V 18	570125	HELIROMA	RFz 16*	571325		U 18*	570770
System V	V 22	570135	romapress	RFz 20*	571330		U 20*	570775
	V 28	570145	Tomapicaa	RFz 25	571335		U 25*	570780
	V 35	570155		RFz 32	571340		U 32	570785
GSP Group	TH 16*	570460	Henco	TH 14*	570455		U 40	570790
USMetrix	TH 20*	570470	Tienoo	TH 16*	570460		U 50	570795
HAGOS	TH 16*	570460		TH 18*	570465		U 63 (S)	572365
HakaGerodur	TH 10*	570467		TH 20*	570470		U 63 (PR-3B)3)	572837
HakaGerodur-	TH 11,6*	570482		TH 26*	570475		U 75 (PR-3B)3)	572828
System	TH 12*	570452		HE 32	571900	IBP >B< Press	V 12	570107
0,0000	TH 14*	570455		HE 40	571902		V 14	570112
	TH 16*	570460	Henco Gas	TH 16*	570460		V 15	570115
				TH 20*	570470		V 16	570117
	TH 17*	570462		TH 26*	570475		V 18	570125
	TH 18*	570465		HE 32	571900		V 22	570135
	TH 20*	570470		HE 40	571902		V 28	570145
HakaGerodur	TH 16*	570460	Herotec	H 16*	570320		V 35	570155
HAKASAN	TH 20*	570470	TEMPUS-PRESS		570350		V 42	570165
	TH 25*	570495	PLUS	H 25*	570360		V 54	570175
	TH 26*	570475	1 200	H 32	570380		V 12 45° (PR-2B) <sup>3)</sup>	574502
	TH 32	570480		TH 16*	570460		V 15 45° (PR-2B) <sup>3)</sup>	574504
	TH 40	570485		TH 20*	570470		V 18 45° (PR-2B) <sup>3)</sup>	574506
	TH 50 (S)	572400		TH 25*	570495		V 22 45° (PR-2B) <sup>3)</sup>	574508
	TH 63 (S)	572405		TH 32	570480		V 28 45° (PR-2B) <sup>3)</sup>	574510
Harden 2000	TH 16*	570460		U 16*	570765		V 35 45° (PR-2B) <sup>3)</sup>	574512
B-Hidro	TH 20*	570470		U 20*	570775	IBP >B< Press	V 12	570107
	TH 26*	570475		U 25*	570780	Carbon	V 14	570112
Harden 2000	TH 14*	570455		U 32	570785		V 15	570115
Poly-Pex 2000	TH 16*	570460		U 40	570790		V 16	570117
	TH 17*	570462		U 50	570795		V 18	570125
	TH 18*	570465		U 63 (S)	572365		V 22	570135
	TH 20*	570470		U 63 (PR-3B)3)	572837		V 28	570145
	TH 26*	570475		U 75 (PR-3B) <sup>3)</sup>	572828		V 35 V 42	570155
	THL 32	570487	Herz pipefix	TH 10*	570467		V 42 V 54	570165
				TH 14*	570455		V 12 45° (PR-2B) <sup>3)</sup>	570175 574502
	TH 40	570485		TH 15*	570457		V 15 45° (PR-2B) <sup>3</sup>	574502
	TH 50 (S)	572400		TH 16*	570460		V 15 45 (PR-2B) <sup>3</sup>	574504 574506
	TH 63 (S)	572405		TH 17*	570462		( )	574508
Harden 2000	TH 16*	570460		TH 18*	570465		V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup>	574508 574510
Poly-Pex Gas	TH 20*	570470		TH 20*	570470		V 35 45° (PR-2B) <sup>3</sup>	574512
	TH 26*	570475		TH 25*	570495	IBP >B< Press	V 15	570115
	THL 32	570487		TH 26*	570475	Gas	V 18	570125
HASTINIK	M 15	570110		TH 32	570480	200	V 22	570135
Hastinik/Hitpress	M 18	570120		TH 40	570485		V 28	570145
	M 22	570130		TH 50 (S)	572400		V 35	570155
	M 28	570140		TH 63 (S)	572405		V 42	570165
	M 35	570150		TH 75 (PR-3B) <sup>3)</sup>	572829		V 54	570175
	M 42 (4G)	570160	HITEC Sistema	TH 14*	570455		V 15 45° (PR-2B) <sup>3)</sup>	574504
	M 54 (4G)	570170	Multistrato	TH 16*	570460		V 18 45° (PR-2B)3)	574506
	M 42 (PR-3S)3)	572706		TH 18*	570465		V 22 45° (PR-2B)3)	574508
	M 54 (PR-3S) <sup>3)</sup>	572708		TH 20*	570470		V 28 45° (PR-2B) <sup>3)</sup>	574510
	M 15 45° (PR-2B) <sup>3)</sup>	574522		TH 26*	570475		V 35 45° (PR-2B) <sup>3)</sup>	574512
	M 18 45° (PR-2B) <sup>3)</sup>			TH 32	570480	IBP >B< Press	V 15	570115
	M 22 45° (PR-2B) <sup>3</sup>	574526		TH 40	570485	Inox	V 18	570125
	M 28 45° (PR-2B) <sup>3</sup>			TH 50 (S)	572400		V 22	570135
	, ,		Hopewell	M 15	570110		V 28	570145
haima	M 35 45° (PR-2B) <sup>3)</sup>	574530	press fit system	M 18	570120		V 35	570155
heima-press	TH 16*	570460		M 22	570130		V 42	570165
	TH 20*	570470		M 28	570140		V 54	570175
	TH 26*	570475		M 35	570150		V 15 45° (PR-2B)3)	574504
	TH 32	570480		M 42 (4G)	570160		V 18 45° (PR-2B) <sup>3)</sup>	574506
	TH 40	570485		M 54 (4G)	570170		V 22 45° (PR-2B) <sup>3)</sup>	574508
	TH 50 (S) TH 63 (S)	572400 572405		M 42 (PR-3S)3)	572706		V 28 45° (PR-2B) <sup>3)</sup>	574510

Pressfitting systems for gas installations must only be pressed with pressing tongs/pressing rings which are highlighted in yellow.

Observe the national regulations.

\* These pressing tongs also fit the manual radial press REMS Eco-Press. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw.

<sup>2)</sup> For this pressfitting system producing a pressing joint with manual radial presses is not permitted.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 158.

<sup>4)</sup> Press fittings made of red bronze (ProPress XL) must be pressed with pressing rings with press contour VUSR, copper fittings (ProPress XL-C)

and stainless steel fittings (ProPress XL-S) with pressing rings with press contour VUSF.

<sup>5)</sup> For taking suitable pressing inserts.

<sup>6)</sup> Press fittings made of red bronze (Sanpress XL) must be pressed with pressing rings with press contour VR, copper fittings (Profipress XL, Profipress G XL), carbon steel (Prestabo XL) and stainless steel fittings (Sanpress Inox XL, Sanpress Inox G XL) with pressing rings with press contour VF.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
BP >B< Press	V 15	570115	ISOLTUBEX	RFz 16*	571325	IVAR	TH 16*	570460
olar	V 18	570125	ISOLPEX	RFz 20*	571330		TH 20*	570470
	V 22	570135		RFIz 25	571337	(MPL)	TH 26*	570475
	V 28	570145		RFIz 32	571342		TH 32	570480
	V 35	570155	ISOLTUBEX	RFz 16*	571325		F 16*	570715
	V 42	570165	Multicapa	RFz 20*	571330		F 20*	570725
	V 54	570175		RFIz 25	571337		F 26* F 32	570730 570735
	V 15 45° (PR-2B) <sup>3)</sup>	574504		RFIz 32	571342		H 16*	570320
	V 18 45° (PR-2B) <sup>3)</sup>	574506		U 16*	570765		H 20*	570350
	V 22 45° (PR-2B) <sup>3)</sup>	574508		U 20*	570775		H 26*	570370
	V 28 45° (PR-2B) <sup>3)</sup>	574510		U 25*	570780		H 32	570380
	V 35 45° (PR-2B) <sup>3)</sup>	574512		U 32 U 40	570785 570790		U 16*	570765
osanitaria	TH 16*	570460		U 50	570795		U 20*	570775
nomi	TH 20*	570470		U 63 (PR-3B) <sup>3)</sup>	572837		C 26*	570750
megas	TH 26*	570475		U 63 (S)	572365		U 32	570785
osanitaria	TH 16*	570460	ISOTUBI	M 15	570110		B 16*	570850
nomi	TH 18*	570465	NUMEPRESS	M 13 M 18 <sup>1)</sup>	570120		B 20*	570860
opress	TH 20*	570470	NOMENTED	M 22	570130		B 26	570870
	TH 26*	570475		M 28 <sup>1)</sup>	570140		B 32	570880
	TH 32	570480		M 35	570150	IVAR	TH 16*	570460
	TH 40	570485		M 42 (PR-3S) <sup>3)</sup>	572706	Plastic Multi Press		570470
	TH 50 (S)	572400		M 54 (PR-3S) <sup>3)</sup>	572708	PMP	TH 25*	570495
	TH 63 (S)	572405		M 15 45° (PR-2B) <sup>3)</sup>			TH 26*	570475 570480
ROSISTEMI	TH 16*	570460		M 18 45° (PR-2B) <sup>3</sup>			TH 32 F 16*	570480 570715
Press	TH 20*	570470		M 22 45° (PR-2B) <sup>3</sup>				
	TH 26*	570475		M 28 45° (PR-2B) <sup>3</sup>			F 20* F 26*	570725 570730
	TH 32	570480		M 35 45° (PR-2B) <sup>3</sup>	574530		F 32	570735
	TH 40	570485	IVAR	B 20*	570860		F 32 H 16*	570735
	TH 50 (S)	572400	ALPEX-GAS	B 26	570870		H 20*	570350
	TH 63 (S)	572405		B 32	570880		H 25*	570360
	F 16*	570715	IVAR	B 14*	570845		H 26*	570370
	F 20*	570725	Ivar-Press	B 16*	570850		H 32	570380
	F 26*	570730		B 18*	570855		U 16*	570765
	F 32	570735		B 20*	570860		U 20*	570775
	F 40	570742		B 26	570870		U 25*	570780
	F 50	570745		B 32	570880		C 26*	570750
	F 63 (S)	572385		F 40	570742		U 32	570785
	H 16*	570320		F 50	570745		B 16*	570850
	H 20*	570350		F 63 (S)	572385		B 20*	570860
	H 26*	570370	IVAR	TH 16*	570460		B 26	570870
	H 32	570380	MULTI PRESS	TH 20*	570470		B 32	570880
	H 40 (4G)	570390	GAS	TH 26*	570475	IVAR	TH 16*	570460
	U 16*	570765		TH 32	570480	Plastic Multi Press		570470
	U 20*	570775		B 16*	570850	Leak (PMPL)	TH 26*	570475
	C 26*	570750		B 20*	570860		TH 32	570480
	U 32	570785		B 26	570870		F 16*	570715
	U 40	570790		B 32	570880		F 20*	570725
	B 16*	570850	IVAR	TH 16*	570460		F 26* F 32	570730 570735
	B 20*	570860	MULTI PRESS	TH 20*	570470		F 32 H 16*	570735
	B 26	570870	GAS ITALIA	TH 26*	570475		H 20*	570350
	B 32	570880		TH 32	570480		H 26*	570370
A IPANA-Press	TH 10*	570467		B 16*	570850		H 32	570380
	TH 11,6*	570482		B 20*	570860		U 16*	570765
	TH 12*	570452		B 26	570870		U 20*	570775
	TH 14*	570455		B 32	570880		C 26*	570750
	TH 15*	570457	IVAR	TH 16*	570460		U 32	570785
	TH 16*	570460	Multi Press MP	TH 18*	570465		B 16*	570850
	TH 17*	570462		TH 20*	570470		B 20*	570860
	TH 18*	570465		TH 25*	570495		B 26	570870
	TH 20*	570470		TH 26*	570475		B 32	570880
	TH 22*	570472		TH 32	570480	Jäger	H 14*	570310
	TH 25*	570495		TH 40	570485	aquapress H	H 16*	570320
	TH 26*	570475		TH 50 (S)	572400		H 17*	570330
	TH 28	570477		TH 63 (S)	572405		H 18*	570340
	TH 32	570480		F 16*	570715		H 20*	570350
	TH 40	570485		F 18*	570720		H 26*	570370
	TH 50 (S)	572400		F 20*	570725		H 32	570380
	TH 63 (S)	572405		F 26*	570730		U 40 U 50	570790 570795
	TH 75 (PR-3B) <sup>3)</sup>	572829		F 32	570735		U 50 U 63 (S)	570795 572365
ALPEX	TH 14*	570455		F 40	570742	Jäger	M 15	570110
dustrie du	TH 16*	570460		F 50	570745		M 18	570110
astique et	TH 18*	570465		F 63 (S)	572385	Intropices Typ IVI	M 22	570120
cessoires)	TH 20*	570470		H 16*	570320		M 28	570130
	TH 26*	570475		H 18*	570340		M 35	570150
	THL 32	570487		H 20*	570350		M 42 (4G)	570160
	TH 40	570485		H 25*	570360		M 54 (4G)	570170
	TH 50 (S)	572400		H 26*	570370		M 42 (PR-3S) <sup>3)</sup>	572706
	TH 63 (S)	572405		H 32	570380		M 54 (PR-3S) <sup>3)</sup>	572708
EX	K16/P18*	572600		H 40 (4G)	570390	Jaraflex-	TH 14*	570455
	PF 22*	571980		U 16*	570765	Presssystem	TH 16*	570460
STRALIA				U 18*	570770		TH 18*	570465
ex Pro-fit				U 20*	570775		TH 20*	570470
EX PIO-III	K16/D10*	572600		U 25*	570780		TH 26*	570475
-EX PELINES	K16/P18* K/20*	572600		C 26*	570750		TH 32	570480
		572605		U 32	570785		TH 40	570485
STRALIA	K/25*	572610		U 40	570790	KAN	U 16*	570765
ex K1	K32	572615		U 50	570795	KAN-therm	U 20*	570775
as)	K1/40	572620		U 63 (S)	572365		U 25*	570780
	K1/50	572625		B 16*	570850		C 26*	570750
EX	K16/P18*	572600		B 18*	570855		U 32	570785
PELINES	K/20*	572605		B 20*	570860		U 40	570790
	K/25*	572610		B 26	570870		TH 50 (S)	572400
ISTRALIA ex K2	N/20	012010		B 32	570880		TH 63 (S)	572405

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
N	U 14*	570760	KISAN	KI 16*	571360	LK Systems	V 12	570107
N-therm LBP	U 16*	570765	Kisan KD	KI 20*	571370	LK >B <press< td=""><td>V 15</td><td>570115</td></press<>	V 15	570115
	U 20*	570775	Riban RD	KI 25*	571375	LK ZDALIESS		
	U 25*	570780		TH 16*	570460		V 18	570125
	C 26*	570750		TH 20*	570470		V 22	570135
	U 32	570785		TH 25*	570495		V 28	570145
	U 40	570790	KISAN	KI 16*	571360		V 35	570155
	TH 14*	570455					V 42	570165
	TH 16*	570460	Kisan WL	KI 20*	571370		V 54	570175
	TH 20*	570470		KI 25*	571375		V 12 45° (PR-2B) <sup>3)</sup>	574502
	TH 25*	570495		KI 32	571380		V 15 45° (PR-2B) <sup>3)</sup>	574504
	TH 26*	570475		TH 16*	570460			
	TH 32	570480		TH 20*	570470		V 18 45° (PR-2B) <sup>3)</sup>	574506
	TH 40	570485		TH 25*	570495		V 22 45° (PR-2B) <sup>3)</sup>	574508
	TH 50 (S)	572400		TH 32	570480		V 28 45° (PR-2B) <sup>3)</sup>	574510
	TH 63 (S)	572405	KISAN	KI 16*	571360		V 35 45° (PR-2B) <sup>3)</sup>	574512
N	M 15	570110	Kisan WM	KI 20*	571370	LK Systems	V 12	570107
N-therm	M 18 <sup>1)</sup>	570120		KI 25*	571375	LK >B <press< td=""><td>V 15</td><td>570115</td></press<>	V 15	570115
x	M 22	570130		KI 32	571380	Elförzinkat	V 18	570125
	M 28 <sup>1)</sup>	570140	KISAN	U 20*	570775	LIIUIZIIIKat	V 10 V 22	
	M 35	570150	Kisan WR	U 25*	570780			570135
	M 42 (4G)	570160		U 32	570785		V 28	570145
	M 42 (4G) M 54 (4G)	570170		U 40	570790		V 35	570155
	M 42 (PR-3S) <sup>3)</sup>	572706		U 50	570795		V 42	570165
	M 54 (PR-3S) <sup>3)</sup>	572708	KISAN	M 15	570110		V 54	570175
N	M 15	570110	Kistal C	M 18	570120		V 12 45° (PR-2B) <sup>3)</sup>	574502
N-therm	M 18 <sup>1)</sup>	570120		M 22	570130		V 15 45° (PR-2B) <sup>3)</sup>	574504
eel	M 18 <sup>9</sup> M 22	570120		M 28	570130		. ,	
	M 28 <sup>1)</sup>	570130		M 35	570140		V 18 45° (PR-2B) <sup>3)</sup>	574506
	M 35	570140					V 22 45° (PR-2B) <sup>3)</sup>	574508
	M 42 (4G)	570160		M 42 (PR-3S) <sup>3)</sup>	572706		V 28 45° (PR-2B) <sup>3)</sup>	574510
	M 54 (4G)	570170		M 54 (PR-3S) <sup>3)</sup>	572708		V 35 45° (PR-2B) <sup>3)</sup>	574512
	M 42 (PR-3S) <sup>3)</sup>	572706		M 15 45° (PR-2B) <sup>3)</sup>	574522	LK Systems	V 15	570115
	M 54 (PR-3S) <sup>3)</sup>	572708		M 18 45° (PR-2B) <sup>3)</sup>	574524	LK >B <press< td=""><td>V 18</td><td>570125</td></press<>	V 18	570125
MBLA		572687		M 22 45° (PR-2B) <sup>3)</sup>	574526	Gas	V 22	570135
mPress	VAU 15 (OD 12,7 mm)	572689		M 28 45° (PR-2B) <sup>3)</sup>	574528	Gas	V 28	
	VAU 20 (OD 19,1 mm) VAU 25 (OD 25,4 mm)	572691		M 35 45° (PR-2B) <sup>3)</sup>	574530			570145
JS)		572693	KISAN	M 15	570110		V 35	570155
	VAU 32 (OD 31,8 mm)	572695	Kistal Inox	M 18	570120		V 42	570165
	VAU 40 (OD 38,1 mm)	572697		M 22	570130		V 54	570175
	VAU 50 (OD 50,8 mm)			M 28	570140		V 15 45° (PR-2B)3)	574504
MBLA	VAU 15 (OD 12,7 mm)	572687		M 35	570150		V 18 45° (PR-2B)3)	574506
mPress Gas	VAU 20 (OD 19,1 mm)	572689		M 42 (PR-3S)3)	572706		V 22 45° (PR-2B) <sup>3)</sup>	574508
US)	VAU 25 (OD 25,4 mm)	572691		M 54 (PR-3S) <sup>3)</sup>	572708			
	VAU 32 (OD 31,8 mm)	572693		M 15 45° (PR-2B) <sup>3)</sup>	574522		V 28 45° (PR-2B) <sup>3)</sup>	574510
	VAU 40 (OD 38,1 mm)	572695		M 18 45° (PR-2B) <sup>3)</sup>	574524		V 35 45° (PR-2B) <sup>3)</sup>	574512
	VAU 50 (OD 50,8 mm)	572697		M 22 45° (PR-2B) <sup>3</sup>	574526	LK Systems	TH 16*	570460
KELIT	U 16*	570765		M 28 45° (PR-2B) <sup>3</sup>	574528	LK Universal	TH 20*	570470
LIT KELOX	U 18*	570770			574528 574530		TH 25*	570495
	U 20*	570775		M 35 45° (PR-2B) <sup>3)</sup>			TH 32	570480
	U 25*	570780	KME Q-tec	TH 14*	570455		TH 40	570485
	U 32	570785		TH 16*	570460			
	U 40	570790		TH 20*	570470		TH 50 (S)	572400
	U 50	570795		TH 26*	570475		TH 63 (S)	572405
	U 63 (S)	572365	Largo-	TH 12*	570452	LVI-DAHL	U 16*	570765
	U 75 (PR-3B) <sup>3)</sup>	572828	Presssystem	TH 14*	570455	Altech-Alupex	U 20*	570775
KELIT	M 15	570110		TH 16*	570460		U 25*	570780
elFIX	M 18	570120		TH 18*	570465		U 32	570785
Stahl	M 22	570130		TH 20*	570470	Mair Heistacheilt		
	M 28	570140		TH 26*	570475	Mair Heiztechnik	M 12	570100
	M 35	570150		TH 32	570480	Gomafix Cu/E	M 15	570110
	M 42 (PR-3S) <sup>3)</sup>	572706		TH 40	570485		M 18 <sup>1)</sup>	570120
	M 54 (PR-3S)3)	572708		TH 50 (S)	572400		M 22	570130
	M 15 45° (PR-2B)3)	574522		TH 63 (S)	572405		M 12 45° (PR-2B)3)	574520
	M 18 45° (PR-2B)3)	574524	LECHAR	TH 16*	570460		M 15 45° (PR-2B)3)	
	M 22 45° (PR-2B)3)	574526	ALCOBRAPEX	TH 20*	570470		M 18 45° (PR-2B) <sup>3)</sup>	
	M 28 45° (PR-2B)3)	574528	ALGOBRAPEX				M 22 45° (PR-2B) <sup>3</sup>	574524 574526
	M 35 45° (PR-2B) <sup>3)</sup>	574530		TH 26*	570475		· · ·	
KELIT	M 15	570110		TH 32	570480	Mair Heiztechnik	H 11,5*	570315
elFIX	M 18	570120		TH 40	570485	Gomafix M	H 14*	570310
elstahl	M 22	570130	LECHAR	U 16*	570765		H 16*	570320
	M 28	570140	COBRAPEX	U 20*	570775		H 20*	570350
	M 35	570150		U 25*	570780	Mair Heiztechnik	H 11,5*	570315
	M 42 (PR-3S) <sup>3)</sup>	572706		U 32	570785			
	M 54 (PR-3S) <sup>3)</sup>	572708	LEGEND-PRESS	VUS 1/2" (OD 15,9 mm)	571770	M-Press	H 14*	570310
	M 15 45° (PR-2B) <sup>3</sup>		press fitting	VUS <sup>3</sup> / <sub>4</sub> " (OD 22,2 mm)	571775		H 16*	570320
	M 18 45° (PR-2B) <sup>3</sup>	574524	system	VUS 1" (OD 28,6 mm)	571780		H 20*	570350
	M 18 45° (PR-2B) <sup>3</sup> M 22 45° (PR-2B) <sup>3</sup>		0,00011	VUS 1 <sup>1</sup> / <sub>4</sub> " (OD 34,9 mm)	571785		H 26*	570370
		574526 574528		VUS 1 <sup>1</sup> / <sub>4</sub> (OD 34,9 mm) VUS 1 <sup>1</sup> / <sub>2</sub> " (OD 41,3 mm)	571790		H 32	570380
	M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup>			VUS 1 /2 (OD 41,3 mm) VUS 2" (OD 54,0 mm)	571795		U 40	570790
		1/47.11		vuoz (OD 54 0 mm)	5/1/95		0 40	510180

Pressfitting systems for gas installations must only be pressed with pressing tongs/pressing rings which are highlighted in yellow. Observe the national regulations.

\* These pressing tongs also fit the manual radial press REMS Eco-Press. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw.

<sup>2)</sup> For this pressfitting system producing a pressing joint with manual radial presses is not permitted.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 158.

<sup>4)</sup> Press fittings made of red bronze (ProPress XL) must be pressed with pressing rings with press contour VUSR, copper fittings (ProPress XL-C)

and stainless steel fittings (ProPress XL-S) with pressing rings with press contour VUSF.

<sup>5)</sup> For taking suitable pressing inserts.

<sup>6)</sup> Press fittings made of red bronze (Sanpress XL) must be pressed with pressing rings with press contour VR, copper fittings (Profipress XL, Profipress G XL), carbon steel (Prestabo XL) and stainless steel fittings (Sanpress Inox XL, Sanpress Inox G XL) with pressing rings with press contour VF.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
Ma.s.ter System	TH 14*	570455	METALGRUP	RFz 16*	571325	N.T.M.	TH 14*	570455
RESSMASTER	TH 16*	570460	PexGrup	RFz 20*	571330	WINNY-AL	TH 16*	570460
	TH 18*	570465		RFz 25	571335		TH 18*	570465
	TH 20*	570470		RFz 32	571340		TH 20*	570470
	TH 25* TH 26*	570495 570475	METALGRUP	U 16*	570765		TH 26* TH 32	570475 570480
	TH 32	570475	MultiGrup	U 18*	570770		TH 32 TH 40	570485
	TH 40	570485		U 20*	570775		TH 50 (S)	572400
	TH 50 (S)	572400		U 25*	570780		TH 63 (S)	572405
	TH 63 (S)	572405		U 32	570785		H 14*	570310
	H 14*	570310	MULTITHERM	TH 16*	570460		H 16*	570320
	H 16*	570320	PRESSSYSTEM	TH 18*	570465		H 18*	570340
	H 18*	570340	FILESSSTSTEM	TH 20*	570470		H 20*	570350
	H 20* H 26*	570350 570370		TH 20*	570475		H 26* H 32	570370 570380
	H 32	570380					H 32 H 40 (4G)	570390
	H 40 (4G)	570390		TH 32	570480		U 14*	570760
	U 14*	570760		TH 40	570485		U 16*	570765
	U 16*	570765		TH 50 (S)	572400		U 18*	570770
	U 18*	570770		TH 63 (S)	572405		U 20*	570775
	U 20*	570775		TH 75 (PR-3B) <sup>3)</sup>	572829		U 25*	570780
	U 25*	570780	Multicapas	RFz 16*	571325		U 32	570785
	U 32 U 40	570785	Industrial	RFz 20*	571330		U 40	570790
	U 50	570790 570795	AIS PEX	RFz 25	571335		U 50	570795 572365
	U 63 (PR-3B) <sup>3)</sup>	572837		RFz 32	571340	NUPIGECO	U 63 (S) U 14*	570760
	U 63 (S)	572365	Multicapas	MT 20*	571744	Multinupi	U 16*	570765
IAXITUB	RFz 12*	571320	Industrial	MT 25*	571746		U 18*	570770
AXIPRESS	RFz 16*	571325	multitubo systems	MT 32	571748		U 20*	570775
	RFz 20*	571330	мс	U 16*	570765		C 26*	570750
	RFz 25	571335		U 18*	570770		U 32	570785
	RFz 32	571340		U 20*	570775		U 40	570790
	TH 14*	570455		U 25*	570780		U 50	570795
<b>METALPEX</b>	TH 16*	570460		U 32	570785		U 63 (PR-3B) <sup>3)</sup>	572837
	TH 20*	570470 570475		U 32 U 40	570785 570790	Nuchaum	U 63 (S)	572365
	TH 26* TH 32	570475 570480				Nussbaum Optiflex Press	VP 16* VP 20*	570910 570915
IEGARO	H 11,5*	570315		U 50	570795	Opuner F1655	VP 20 VP 25*	570915
AKAPRESS	H 11,5 H 14*	570310		U 63 (S)	572365		VP 32	570925
	H 16*	570320		U 63 (PR-3B) <sup>3)</sup>	572837	Nussbaum	V 15	570115
	H 17*	570330		U 75 (PR-3B) <sup>3)</sup>	572828	Optipress	V 18	570125
	H 18*	570340	Multicapas	H 16*	570320	Aquaplus	V 22	570135
	H 20*	570350	Industrial	H 20*	570350		V 28	570145
	H 26*	570370	multitubo systems	H 25*	570360		V 35	570155
	H 32	570380	MM	H 26*	570370		V 42	570165
	H 40 (4G)	570390		H 32	570380		V 54	570175
	U 40	570790		MT 20*	571744		VF 64,0 (PR-3B) <sup>3)</sup>	572815
	F 50 F 63 (S)	570745 572385		MT 25*	571746		VF 76,1 (PR-3B) <sup>3)</sup> VF 88,9 (PR-3B) <sup>3)</sup>	572816 572817
MEGARO	B 16*	570850		MT 32	571748		VF 108,0 (PR-3B) <sup>3)</sup>	572818
MEGAPRESS	B 20*	570860		RFz 16*	571325		V 15 45° (PR-2B) <sup>3)</sup>	574504
	B 26	570870					V 18 45° (PR-2B) <sup>3)</sup>	574506
	B 32	570880		RFz 20*	571330		V 22 45° (PR-2B) <sup>3)</sup>	574508
	F 40	570742		RFz 25	571335		V 28 45° (PR-2B) <sup>3)</sup>	574510
	F 50	570745		RFz 32	571340		V 35 45° (PR-2B)3)	574512
	F 63 (S)	572385		TH 16*	570460	Nussbaum	V 15	570115
//EGARO	B 16*	570850		TH 20*	570470	Optipress-Gaz	V 18	570125
MEGAPRESS MP		570860		TH 25*	570495		V 22	570135
	B 26	570870		TH 26*	570475		V 28	570145
	B 32	570880		TH 32	570480		V 35	570155
	F 16* F 20*	570715 570725		U 16*	570765		V 42 V 54	570165 570175
	F 20*	570725		U 20*	570775		V 54 VF 64,0 (PR-3B) <sup>3)</sup>	572815
	F 32	570735		U 25*	570780		VF 76,1 (PR-3B) <sup>3)</sup>	572816
	F 40	570742		U 32	570785		VF 88,9 (PR-3B) <sup>3)</sup>	572817
	F 50	570745	NEUTHERM	H 16*	570320		VF 108,0 (PR-3B) <sup>3)</sup>	572818
	F 63 (S)	572385	MEKUPRESS-HT		570350		V 15 45° (PR-2B)3)	574504
	H 16*	570320		H 26*	570370		V 18 45° (PR-2B)3)	574506
	H 20*	570350		H 32	570380		V 22 45° (PR-2B) <sup>3)</sup>	574508
	H 26*	570370					V 28 45° (PR-2B) <sup>3)</sup>	574510
	H 32	570380		H 40 (4G)	570390	Nunchaus	V 35 45° (PR-2B) <sup>3)</sup>	574512
	TH 16*	570460 570470		U 40	570790	Nussbaum	V 15	570115 570125
	TH 20* TH 26*	570470 570475	NIBCO (USA)	VUS 1/2" (OD 15,9 mm)	571770	Optipress-Therm	V 18 V 22	570125 570135
	TH 26 <sup>-</sup> TH 32	570475 570480	Press System	VUS 3/4" (OD 22,2 mm)	571775		V 22 V 28	570135 570145
	U 16*	570765	Copper	VUS 1" (OD 28,6 mm)	571780		V 35	570145
	U 20*	570775		VUS 11/4" (OD 34,9 mm)	571785		V 33 V 42	570165
	U 32	570785		VUS 11/2" (OD 41,3 mm)	571790		V 54	570175
IEGARO	B 16*	570850		VUS 2" (OD 54,0 mm)	571795		VF 64,0 (PR-3B)3)	572815
<b>IEGAPRESS</b>	B 20*	570860	Nicoll Fluxo	TH 16*	570460		VF 76,1 (PR-3B)3)	572816
/IPL	B 26	570870		TH 20*	570470		VF 88,9 (PR-3B)3)	572817
	B 32	570880		TH 26*	570475		VF 108,0 (PR-3B)3)	572818
	F 16*	570715		TH 32	570480		V 15 45° (PR-2B) <sup>3)</sup>	574504
	F 20*	570725					V 18 45° (PR-2B) <sup>3)</sup>	574506
	F 26*	570730		TH 40	570485		V 22 45° (PR-2B) <sup>3)</sup>	574508
	F 32	570735		TH 50 (S)	572400		V 28 45° (PR-2B) <sup>3)</sup>	574510
	F 40 F 50	570742 570745		TH 63 (S)	572405	OMT Brees	V 35 45° (PR-2B) <sup>3)</sup>	574512
	F 50 F 63 (S)	570745 572385		TH 75 (PR-3B) <sup>3)</sup>	572829	O.M.T Press	TH 16* TH 20*	570460 570470
	F 63 (S) H 16*		Nicoll Fluxo Gas	TH 16*	570460		TH 20* TH 26*	
	H 16* H 20*	570320 570350		TH 20*	570470			570475 570480
	H 20* H 26*	570350 570370		TH 26*	570475		TH 32 TH 40	570480 570485
	H 26 <sup>-</sup> H 32	570370 570380	NIROTEC	M 15	570110	Oteraccordi	M 12	570485
	H 32 TH 16*	570380 570460	PRESSFITTING			Oteraccordi Oter Tecno <sup>1)</sup>	M 12 M 15	570100 570110
	TH 16" TH 20*	570460 570470	PRESSFILLING	M 18	570120		M 15 M 18	570110
	TH 20*	570470		M 22	570130		M 22	570120 570130
	TH 20 TH 32	570475 570480		M 28	570140		M 28	570130
				M 35	570150		M 35	570140
		570765						
	U 16* U 20*	570765 570775		M 42 (4G)	570160		M 42 (PR-3S) <sup>3)</sup>	572706

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
Dteraccordi	M 12	570100	PERFILTUBO	M 15	570110	PLASTICA ALFA	H 16*	570320
Oter Tecno	M 15	570110	PERFILPRESS	M 18	570120	Multypex	H 20*	570350
arbonio <sup>1)</sup>	M 18	570120		M 22	570130	Thermo	H 26*	570370
	M 22	570130		M 28	570140	menno	H 32	570380
	M 28	570140		M 35	570150			
	M 35	570150					U 16*	570765
	M 42 (PR-3S)3)	572706		M 42 (4G)	570160		U 20*	570775
	M 54 (PR-3S) <sup>3)</sup>	572708		M 54 (4G)	570170		C 26*	570750
ventrop Cofit P	H 16 A*	570620		M 42 (PR-3S) <sup>3)</sup>	572706		U 32	570785
	H 20 A*	570650		M 54 (PR-3S) <sup>3)</sup>	572708	PLASTICA ALFA	H 16*	570320
	H 26 A*	570670		M 15 45° (PR-2B) <sup>3)</sup>	574522	Multypex	H 20*	570350
	H 32 A	570680		M 18 45° (PR-2B) <sup>3)</sup>	574524	Thermo Plus	H 26*	570370
	H 40 A	570690		M 22 45° (PR-2B) <sup>3)</sup>	574526		H 32	570380
	U 50	570795		M 28 45° (PR-2B)3)	574528			
	U 63 (PR-3B) <sup>3)</sup>	572837		M 35 45° (PR-2B)3)	574530		U 16*	570765
	U 63 (S)	572365	PEXTUBE	RFz 16*	571325		U 20*	570775
B TUB	RFz 12*	571320	PexTube	RFz 20*	571330		C 26*	570750
ERTIPRESS	RFz 16*	571325		RFIz 25	571337		U 32	570785
	RFz 20*	571330		RFIz 32	571342	PLÁSTICOS	RFz 16*	571325
	RFz 25	571335	Pipelife	M 15	570110	FERRO	RFz 20*	571330
egler Yorkshire	M 15	570110				FERROPLAST	RFz 25	571335
Press Carbon	M 18 <sup>1)</sup>	570120	C-PRESS	M 18	570120	Pressfitting PE-X		571340
	M 22	570130		M 22	570130			
	M 28 <sup>1)</sup>	570140		M 28	570140	PLOMYPLAS	RFz 16*	571325
	M 35	570150		M 35	570150	plomyPRESS	RFz 20*	571330
	M 42 (PR-3S) <sup>3)</sup>	572706		M 42 (PR-3S) <sup>3)</sup>	572706	plomyAIR	RFz 25	571335
	M 54 (PR-3S) <sup>3)</sup>	572708		M 54 (PR-3S)3)	572708		RFz 32	571340
egler Yorkshire	M 12	570100		M 15 45° (PR-2B)3)	574522		TH 16*	570460
Press Copper	M 15	570110		M 18 45° (PR-2B) <sup>3)</sup>	574524		TH 20*	570470
	M 18 <sup>1)</sup>	570120		M 22 45° (PR-2B) <sup>3)</sup>	574526		TH 25*	570495
	M 22	570130		M 28 45° (PR-2B)3)	574528		TH 32	570480
	M 28 <sup>1)</sup>	570140		M 35 45° (PR-2B) <sup>3)</sup>	574530			
	M 35	570150	Pipelife	TH 16*	570460		U 16*	570765
	M 42 (PR-3S) <sup>3)</sup>	572706	RADOPRESS	TH 18*	570465		U 20*	570775
	M 54 (PR-3S) <sup>3)</sup>	572708	RADUPRESS				U 25*	570780
	M 15 45° (PR-2B) <sup>3)</sup>	574522		TH 20*	570470		U 32	570785
	M 18 45° (PR-2B) <sup>3)</sup>	574524		TH 26*	570475	PLOMYPLAS	TH 16*	570460
	M 22 45° (PR-2B) <sup>3)</sup>	574526		TH 32	570480	plomyPRESS	TH 20*	570470
	M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup>	574528		TH 40	570485	plomyGAS	TH 25*	570495
a al a a Ma al a la inc				TH 50 (S)	572400	pionijonio	TH 32	570480
egler Yorkshire	M 15	570110		TH 63 (S)	572405			
Press Copper Bas	M 18 <sup>1)</sup> M 22	570120 570130	Pipetec Connect	TH 16*	570460	PLOMYPLAS	RFz 16*	571325
105	M 28 <sup>1)</sup>	570140		TH 20*	570470	plomyPRESS	RFz 20*	571330
	M 35	570150		TH 26*	570475	plomyLAYER	RFz 25	571335
	M 42 (PR-3S) <sup>3)</sup>	572706		TH 32	570480		RFz 32	571340
	M 54 (PR-3S) <sup>3)</sup>	572708		TH 40	570485		TH 16*	570460
egler Yorkshire	TH 14*	570455		TH 50 (S)	572400		TH 20*	570470
enco Multilayer	TH 16*	570460		TH 63 (S)	572405		TH 25*	570495
olutions	TH 18*	570465	PLASTICA ALFA		570320		TH 32	
orationio	TH 20*	010400		H 16*			111.52	
	11120	570470					11 16*	570480
	TH 26*	570470 570475	Multypex	H 20*	570350		U 16*	570765
	TH 26* HE 32	570475		H 20* H 26*	570350 570370		U 20*	570765 570775
	HE 32	570475 571900		H 20* H 26* H 32	570350		U 20* U 25*	570765 570775 570780
ealer Yorkshire	HE 32 HE 40	570475 571900 571902		H 20* H 26* H 32 U 16*	570350 570370 570380 570765		U 20*	570765 570775
	HE 32 HE 40 M 15	570475 571900 571902 570110		H 20* H 26* H 32	570350 570370 570380	PLOMYPLAS	U 20* U 25*	570765 570775 570780
	HE 32 HE 40 M 15 M 18 <sup>1)</sup>	570475 571900 571902 570110 570120		H 20* H 26* H 32 U 16*	570350 570370 570380 570765	PLOMYPLAS plomyPRESS	U 20* U 25* U 32	570765 570775 570780 570785
	HE 32 HE 40 M 15 M 18 <sup>1)</sup> M 22	570475 571900 571902 570110 570120 570130		H 20* H 26* H 32 U 16* U 20*	570350 570370 570380 570765 570775	plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20*	570765 570775 570780 570785 571325 571330
	HE 32 HE 40 M 15 M 18 <sup>1)</sup> M 22 M 28 <sup>1)</sup>	570475 571900 571902 570110 570120 570120 570130 570140	Multypex	H 20* H 26* H 32 U 16* U 20* C 26* U 32	570350 570370 570380 570765 570775 570750 570750 570785		U 20* U 25* U 32 RFz 16* RFz 20* RFz 25	570765 570775 570780 570785 571325 571320 571330 571335
	HE 32 HE 40 M 15 M 18 <sup>10</sup> M 22 M 28 <sup>10</sup> M 35	570475 571900 571902 570110 570120 570130 570140 570150	Multypex PLASTICA ALFA	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16*	570350 570370 570380 570765 570775 570750 570785 570785	plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 25 RFz 32	570765 570775 570780 570785 571325 571330 571335 571340
	HE 32 HE 40 M 15 M 22 M 28 <sup>1)</sup> M 35 M 42 (PR-3S) <sup>3)</sup>	570475 571900 571902 570110 570120 570130 570140 570150 570150 572706	Multypex	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 16*	570350 570370 570380 570765 570775 5707750 570785 570320 570320 570350	plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 25 RFz 32 TH 16*	570765 570775 570780 570785 571325 571330 571335 571340 570460
Press Solar	HE 32 HE 40 M 15 M 22 M 28 <sup>10</sup> M 35 M 42 (PR-3S) <sup>30</sup> M 54 (PR-3S) <sup>30</sup>	570475 571900 571902 570110 570120 570130 570140 570150 572706 572706 572708	Multypex PLASTICA ALFA Multypexalfa Gas	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26*	570350 570370 570380 570765 570755 570750 570785 570350 570350 570350 570370	plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 25 RFz 32 TH 16* TH 20*	570765 570775 570780 570785 571325 571330 571335 571340 571340 570460 570470
Press Solar egler Yorkshire	$\begin{array}{c} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 18}^{1)} \\ \text{M 22} \\ \text{M 28}^{1)} \\ \text{M 35} \\ \text{M 35} \\ \text{M 42} \left(\text{PR-3S}\right)^{3)} \\ \text{M 54} \left(\text{PR-3S}\right)^{3)} \\ \text{M 15} \end{array}$	570475 571900 571902 570110 570120 570130 570140 570150 572706 572708 572708 570110	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 20* H 26* H 16*	570350 570370 570380 570765 570775 570750 570785 570320 570350 570330 570320	plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 25 RFz 32 TH 16* TH 20* TH 25*	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570495
Press Solar egler Yorkshire Press	HE 32 HE 40 M 15 M 22 M 28 <sup>10</sup> M 35 M 42 (PR-3S) <sup>30</sup> M 54 (PR-3S) <sup>30</sup>	570475 571900 571902 570110 570120 570130 570140 570150 572706 572708 572708 570110 570110 570120	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 20* H 16* H 20* H 16* H 20*	570350 570370 570380 570765 570775 570750 570785 570320 570350 570320 570320 570320 570320 570320	plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 20* TH 25* TH 32	570765 570775 570780 570785 571325 571330 571335 571340 571340 570460 570470
Press Solar egler Yorkshire Press	$\begin{array}{c} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 22} \\ \text{M 28}^{11} \\ \text{M 35} \\ \text{M 42 (PR-3S)^{31}} \\ \text{M 54 (PR-3S)^{33}} \\ \text{M 54 (PR-3S)^{31}} \\ \text{M 18}^{11} \\ \text{M 18}^{11} \\ \text{M 22} \end{array}$	570475 571900 571902 570110 570120 570130 570140 570150 572706 572708 572708 570110	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 26* H 26* H 26*	570350 570370 570380 570765 570775 570775 570785 570370 570320 570320 570320 570320 570330 570330 570330	plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 25 RFz 32 TH 16* TH 20* TH 25*	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570495
Press Solar egler Yorkshire Press	HE 32 HE 40 M 15 M 22 M 28 <sup>(1)</sup> M 35 M 42 (PR-3S) <sup>3)</sup> M 54 (PR-3S) <sup>3)</sup> M 54 (PR-3S) <sup>3)</sup> M 15 M 18 <sup>(1)</sup>	570475 571900 571902 570110 570120 570130 570140 570150 572706 572706 572706 572708 570110 570120 570130	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek PLASTICA ALFA	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 16* H 20* H 20* H 20* H 16* H 20* H 16* H 20* H 16*	570350 570370 570380 570765 570755 570755 570755 570320 570320 570320 570320 570320 570355 570320 570370 570320 570320	plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 20* TH 25* TH 32	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570495 570480
Press Solar egler Yorkshire Press	$\begin{array}{c} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 18}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 35} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 54} (\text{PR-3S})^{(3)} \\ \text{M 15} \\ \text{M 18}^{(1)} \\ \text{M 12} \\ \text{M 22} \\ \text{M 28}^{(1)} \end{array}$	570475 571900 571902 570110 570120 570130 570140 570150 572708 572708 572708 570110 570120 570130 570140	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek PLASTICA ALFA Multypex	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 26* H 20* H 16* H 20* H 16* H 20* H 16* H 20* H 16* H 20*	570350 570370 570380 570765 570755 570750 570785 570320 570350 570320 570350 570320 570350 570320 570350 570350	plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 20* TH 22* TH 32 U 16* U 20*	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570495 570495 570480 570765 570775
Press Solar egler Yorkshire Press	$\begin{array}{c} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 18}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 35} \\ \text{M 42} \left( (\text{PR-3S})^{3)} \\ \text{M 54} \left( (\text{PR-3S})^{3} \right) \\ \text{M 15} \\ \text{M 18}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 28}^{(1)} \\ \text{M 35} \end{array}$	570475 571900 571902 57010 570120 570130 570140 570150 572706 572708 572708 570110 570120 570130 570140 570150	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek PLASTICA ALFA	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 16* H 20* H 26* H 16* H 20* H 26* H 16* H 20* H 26* H 20* H 26* H 20* H 26* H 20* H 26* H 20* H 26* H 20* H	570350 570370 570380 570765 570755 570750 570785 570320 570320 570320 570350 570350 570350 570350 570320 570350 570350 570350 570350 570350 570370	plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 20* TH 25* TH 32 U 16* U 20* U 20* U 20*	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570495 570480 570495 570480 570765 570765 570775 570780
Press Solar egler Yorkshire Press tainless	$\begin{array}{c} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 22} \\ \text{M 25}^{10} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{3)} \\ \text{M 54} (\text{PR-3S})^{3)} \\ \text{M 15} \\ \text{M 18}^{10} \\ \text{M 22} \\ \text{M 28}^{11} \\ \text{M 22} \\ \text{M 24}^{11} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{3)} \end{array}$	570475 571900 571902 570110 570120 570130 570140 570150 572708 572708 572708 570110 570120 570130 570140 570150 572706 572706	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek PLASTICA ALFA Multypex	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H	570350 570370 570380 570765 570755 570750 570785 570320 570350 570320 570350 570320 570350 570320 570350 570350	plomyPRESS plomyLAYER PEX	$\begin{array}{c} U \; 20^{*} \\ U \; 25^{*} \\ U \; 32 \\ RFz \; 16^{*} \\ RFz \; 20^{*} \\ RFz \; 25 \\ RFz \; 32 \\ TH \; 16^{*} \\ TH \; 20^{*} \\ TH \; 25^{*} \\ TH \; 32 \\ U \; 16^{*} \\ U \; 20^{*} \\ U \; 25^{*} \\ U \; 32 \\ \end{array}$	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570495 570480 570495 570480 570765 570780 570780 570785
Press Solar egler Yorkshire Press ainless ERFEXIM	$\begin{array}{c} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 18}^{\text{1})} \\ \text{M 22} \\ \text{M 35} \\ \text{M 35} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{\text{3})} \\ \text{M 15} \\ \text{M 18}^{\text{1})} \\ \text{M 22} \\ \text{M 28}^{\text{1})} \\ \text{M 22} \\ \text{M 28}^{\text{1})} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{\text{3})} \\ \text{M 54} (\text{PR-3S})^{\text{3})} \\ \end{array}$	570475 571900 571902 570110 570120 570130 570140 570150 572706 572708 570110 570110 570130 570130 570130 570130 570140 570150 572706	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek PLASTICA ALFA Multypex	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 16* H 20* H 26* H 16* H 20* H 26* H 16* H 20* H 26* H 20* H 26* H 20* H 26* H 20* H 26* H 20* H 26* H 20* H	570350 570370 570380 570765 570755 570750 570785 570320 570320 570320 570350 570350 570350 570350 570320 570350 570350 570350 570350 570350 570370	plomyPRESS plomyLAYER PEX	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 20* TH 25* TH 32 U 16* U 20* U 16* U 20* U 32 RFz 16*	570765 570775 570780 570785 571325 571330 571335 571340 570460 570460 570495 570495 570480 570765 570765 5707780 570780 570785 570785
Press Solar egler Yorkshire Press tainless ERFEXIM PERFEKT	$\begin{array}{c} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 18}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 55} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 15} \\ \text{M 18}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 35} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{U 16}^{*} \\ \text{U 20}^{*} \end{array}$	570475 571900 571902 570110 570120 570130 570140 570150 572706 572708 570110 570120 570130 570130 570140 570130 570140 570150 572706 572706 572708 572708	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek PLASTICA ALFA Multypex	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 16* H 20* H 26* H 16* H 20* H 26* H 20* H 26* H 26* H 26* H 26* H 26* H 26* U 20* U 32 U 16* U 32 U 16* U 32 U 16* U 32 U 16* U 32 U 16* U 32 U 16* U 32 U 30* H 32 H 30* H 30*	570350 570370 570380 570765 570755 570755 570320 570320 570320 570320 570320 570320 570320 570320 570350 570320 570350 570350 570370 570380 570370 570380 570376	plomyPRESS plomyLAYER PEX PLOMYPLAS plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 25* TH 32 U 16* U 20* U 20* U 32 RFz 16* RFz 16* RFz 16*	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570470 570470 570480 570765 570775 570780 570785 570785 571325 571330
Press Solar egler Yorkshire Press ainless ERFEXIM PERFEKT	$\begin{array}{c} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 18}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 54} (\text{PR-3S})^{(3)} \\ \text{M 16}^{(1)} \\ \text{M 18}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 54} (\text{PR-3S})^{(3)} \\ \text{M 54} (\text{PR-3S})^{(3)} \\ \text{U 16}^{*} \\ \text{U 20}^{*} \\ \text{U 25}^{*} \end{array}$	570475 571900 571902 570110 570120 570130 570140 570150 572706 572708 570110 570120 570120 570130 570140 570150 570150 572706 572706 572706 572708 570765 570775 570775	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek PLASTICA ALFA Multypex	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 26* H 16* H 20* H 26* H 16* H 20* H 26* H 26* U 32 U 16* U 20* U 16* U 10* U 10* U 10* U 10* U 20* U 2	570350 570370 570380 570765 570755 570750 570785 570320 570350 570320 570320 570350 570320 570350 570370 570350 570370 570350 570370 570355 570370 570380 570755	plomyPRESS plomyLAYER PEX	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 20* TH 25* TH 32 U 16* U 20* U 20* U 20* U 25* U 32 RFz 16* RFz 16* RFz 20*	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570495 570480 570495 570480 570765 570785 570785 570785 570785 570785 571325 571330
Press Solar egler Yorkshire Press ainless ERFEXIM ERFEKT YSTEM"	$\begin{array}{c} HE \; 32 \\ HE \; 40 \\ M \; 15 \\ M \; 18^{1)} \\ M \; 22 \\ M \; 28^{10} \\ M \; 35 \\ M \; 42 \; (PR\text{-}3S)^{3)} \\ M \; 54 \; (PR\text{-}3S)^{3)} \\ M \; 15 \\ M \; 18^{10} \\ M \; 22 \\ M \; 28^{10} \\ M \; 28^{10} \\ M \; 35 \\ M \; 42 \; (PR\text{-}3S)^{3)} \\ M \; 35 \\ M \; 42 \; (PR\text{-}3S)^{3)} \\ M \; 54 \; (PR\text{-}3S)^{3)} \\ U \; 16^* \\ U \; 20^* \\ U \; 22^* \\ U \; 32 \end{array}$	570475 571900 571902 57010 570120 570130 570140 570150 572708 572708 570140 570120 570140 570140 570150 570140 570150 572708 572708 572708 572708 572708 572708	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek PLASTICA ALFA Multypex	H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 26* H 20* H 16* H 20* H 26* H 20* H 26* H 20* H 26* U 20* C 26* U 32 C 26* C 26* U 32 C 26* U 32 C 26* C 20* C 2	570350 570370 570380 570765 570755 570755 570350 570370 570350 570370 570350 570755 570755 570755	plomyPRESS plomyLAYER PEX PLOMYPLAS plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 25* TH 32 U 16* U 20* U 20* U 32 RFz 16* RFz 16* RFz 16*	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570470 570470 570480 570765 570775 570780 570785 570785 571325 571330
Press Solar Press ainless ERFEXIM PERFEKT YSTEM" ERFILTUBO	$\begin{array}{c} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 15} \\ \text{M 22} \\ \text{M 28}^{10} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{30} \\ \text{M 51} \\ \text{M 42} (\text{PR-3S})^{30} \\ \text{M 15} \\ \text{M 18}^{10} \\ \text{M 22} \\ \text{M 28}^{10} \\ \text{M 35} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{30} \\ \text{M 54} (\text{PR-3S})^{30} \\ \text{M 16}^{10} \\ \text{U 16}^{4} \\ \end{array}$	570475 571900 571902 570110 570120 570130 570140 570150 572706 572708 570110 570120 570130 570130 570140 570130 570150 572706 572706 572708 570755 570775 570780 570775 570780 570765	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek PLASTICA ALFA Multypex Air	H 20* H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 26* H 26* H 26* H 26* H 26* H 26* H 26* H 26* H 26* U 22 U 16* U 20* C 26* U 20 U 20 U 20* C 26* U 20 U 20 U 20* C 26* U 20 U 20* C 26* U 20* C 26* U 20 U 20* C 26* U 20* C 20* U 20* C 20* U	570350 570370 570380 570765 570775 5707750 570350 570320 570320 570320 570320 570320 570320 570320 570350 570350 570320 570350 570350 570350 570350 570350 570755 570755 570750 570785	plomyPRESS plomyLAYER PEX PLOMYPLAS plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 25 RFz 32 TH 16* TH 20* TH 25* TH 32 U 16* U 20* U 25* U 32 RFz 16* RFz 20* RFz 16* RFz 20* RFz 32	570765 570775 570780 570785 571325 571330 571335 571340 570470 570495 570480 570495 570480 570765 570785 570780 570785 571325 571330 571335 571340
Press Solar egler Yorkshire Press ainless ERFEXIM PERFEKT YSTEM" ERFILTUBO	$\begin{array}{c} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 18}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 35} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 55} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 18}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 54} (\text{PR-3S})^{(3)} \\ \text{U 16}^{*} \\ \text{U 20}^{*} \\ \text{U 25}^{*} \\ \text{U 32} \\ \text{U 16}^{*} \\ \text{U 18}^{*} \end{array}$	570475 571900 571902 570110 570120 570130 570140 570150 572706 572708 570110 570120 570130 570140 570130 570140 570150 572706 572706 572706 572708 570765 570780 570785 5707765	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek PLASTICA ALFA Multypex Air	H 20* H 20* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 16* H 20* H 20* H 26* H 16* H 20* H 32 U 16* U 20* C 26* U 32 U 16* U 20* H 32 U 16* H 32 H 32 H 32 H 32 H 32 H 32 H 32 H 32	570350 570370 570380 570765 570775 570750 570320 570320 570320 570320 570320 570320 570320 570350 570350 570370 570350 570370 570350 570755 570775 570755 570755 570750 570735	plomyPRESS plomyLAYER PEX PLOMYPLAS plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 25 RFz 32 TH 16* TH 25* TH 32 U 16* U 20* U 25* U 32 RFz 16* RFz 20* RFz 16* RFz 25 RFz 32 TH 16*	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570495 570480 570765 570785 570780 570785 571325 571325 571330 571335 571340 570460
Press Solar Press ainless ERFEXIM PERFEKT YSTEM" ERFILTUBO	$\begin{array}{l} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 18}^{1)} \\ \text{M 22} \\ \text{M 28}^{10} \\ \text{M 35} \\ \text{M 35} \\ \text{M 42} \left(\text{PR-3S}\right)^{3)} \\ \text{M 54} \left(\text{PR-3S}\right)^{3)} \\ \text{M 18}^{10} \\ \text{M 22} \\ \text{M 28}^{10} \\ \text{M 35} \\ \text{M 22} \\ \text{M 28}^{10} \\ \text{M 35} \\ \text{M 42} \left(\text{PR-3S}\right)^{3)} \\ \text{M 42} \left(\text{PR-3S}\right)^{3)} \\ \text{U 16}^{*} \\ \text{U 20}^{*} \\ \text{U 22}^{*} \\ \text{U 32} \\ \text{U 16}^{*} \\ \text{U 20}^{*} \\ \text{U 20}^{*} \\ \text{U 20}^{*} \\ \end{array}$	570475 571900 571902 570110 570120 570130 570140 570150 572708 572708 570110 570120 570140 570150 570140 570150 572708 570765 570775 570785 570765 5707765 5707765	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypex Air PLASTICA ALFA Multypex Air	H 20* H 20* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 20* H	570350 570370 570380 570765 570755 570750 570785 570320 570320 570320 570320 570320 570350 570370 570320 570350 570370 570350 570755 570755 570755 570755 570755 570755 570755 570755 570350	plomyPRESS plomyLAYER PEX PLOMYPLAS plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 25* TH 32 U 16* U 20* U 25* U 32 RFz 16* RFz 20* RFz 16* RFz 20* RFz 16* RFz 25 RFz 32 TH 16* TH 20*	570765 570775 570780 570785 571325 571330 571335 571340 570460 570495 570495 570495 570480 570765 570775 570780 570785 570785 571325 571330 571325 571330 571335 571340 570460 570470
Press Solar egler Yorkshire Press ainless ERFEXIM PERFEKT YSTEM" ERFILTUBO	$\begin{array}{l} HE 32 \\ HE 40 \\ M 15 \\ M 18^{11} \\ M 22 \\ M 28^{11} \\ M 35 \\ M 42 \left(PR-3S\right)^{31} \\ M 54 \left(PR-3S\right)^{31} \\ M 15 \\ M 18^{11} \\ M 22 \\ M 28^{11} \\ M 28^{11} \\ M 35 \\ M 42 \left(PR-3S\right)^{31} \\ M 54 \left(PR-3S\right)^{31} \\ M 54 \left(PR-3S\right)^{31} \\ U 16^{4} \\ U 20^{4} \\ U 22^{4} \\ U 32 \\ U 16^{4} \\ U 18^{4} \\ U 20^{4} \\ U 25^{4} \\ U 28^{4} \\ U 28^{4} \\ U 20^{4} \\ U 28^{4} \\ U 28^{4$	570475 571900 571902 57010 570120 570130 570140 570150 572708 572708 572708 570110 570120 570130 570140 570150 572708 570765 570765 570775 570765 570775 570775 570775 570775 570775	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypexalfa Gas protek PLASTICA ALFA Multypex Air	H 20* H 20* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 16* H 20* H 26* H 16* H 20* H 26* U 32 U 16* U 16* U 20* C 26* U 32 H 16* H 20* H 20* H 20* H 26* H 20* H 26* H 20* H 20* C 26* H 20* H 20* C 26* H 20* H 20* C 26* H 20* H 2	570350 570370 570380 570755 570755 570755 570785 570350 570350 570320 570350 570350 570350 570350 570350 570370 570380 570370 570755 570755 570755 570755 570750 570785 570320 570380 570735 570750 570785 570755 570750 570785 570320 570380 570370 570785 570750 570785 570750 570785 570320 570370 570370 570370 570370 570370 570750 570370 570350 570370 570350 570755 570755 570750 570350 570320 570750 570750 570750 570750 570750 570350 570350 570750 570750 570750 570750 570350 570350 570750	plomyPRESS plomyLAYER PEX PLOMYPLAS plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 20* TH 25* TH 32 U 16* U 20* U 20* U 32 RFz 16* RFz 16* RFz 16* RFz 25 RFz 32 TH 16* TH 20* TH 20* TH 25*	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570480 570480 570765 570775 570780 570785 570785 571325 571325 571325 571325 571330 571335 571335 571340 570460 570460 570495
Press Solar egler Yorkshire Press ainless ERFEXIM PERFEKT YSTEM" ERFILTUBO	$\begin{array}{c} \text{HE 32} \\ \text{HE 40} \\ \text{M 15} \\ \text{M 18}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 55} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 15} \\ \text{M 18}^{(1)} \\ \text{M 22} \\ \text{M 28}^{(1)} \\ \text{M 35} \\ \text{M 35} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{M 42} (\text{PR-3S})^{(3)} \\ \text{U 16}^{(1)} \\ \text{U 20}^{(1)} \\ \text{U 18}^{(1)} \\ \text{U 20}^{(1)} \\ \text{U 32} \\ \text{U 32} \\ \end{array}$	570475 571900 571902 570100 570120 570130 570140 570150 572708 572708 570110 570120 570120 570130 570140 570140 570150 570765 5707765 5707765 5707765 570775 5707765 570775 57	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypex Air PLASTICA ALFA Multypex Air	H $20^*$ H $26^*$ H $32$ U $16^*$ U $20^*$ C $26^*$ U $32$ H $16^*$ H $20^*$ H $26^*$ H $32$ H $16^*$ H $32$	570350 570370 570380 570765 570775 5707750 570350 570320 570320 570320 570320 570320 570320 570350 570320 570350 570350 570350 570370 570380 570765 570775 570755 570750 570785 570320 570350 570370 57035	plomyPRESS plomyLAYER PEX PLOMYPLAS plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 20* TH 25* TH 32 U 16* U 20* U 20* U 20* U 20* U 32 RFz 16* RFz 16* RFz 20* RFz 16* RFz 25 RFz 32 TH 16* TH 25* TH 25* TH 32	570765 570775 570780 570785 571325 571330 571330 571335 571340 570460 570470 570495 570480 570765 570780 570785 570780 570785 571325 571325 571325 571330 571335 571340 570470 570470 570470 570470 570480
Press Solar egler Yorkshire Press ainless ERFEXIM PERFEKT YSTEM" ERFILTUBO	$\begin{array}{l} \text{HE } 32 \\ \text{HE } 40 \\ \text{M } 15 \\ \text{M } 18^{1)} \\ \text{M } 22 \\ \text{M } 28^{10} \\ \text{M } 35 \\ \text{M } 42 (\text{PR-3S})^{3)} \\ \text{M } 54 (\text{PR-3S})^{3)} \\ \text{M } 18^{10} \\ \text{M } 22 \\ \text{M } 28^{10} \\ \text{M } 35 \\ \text{M } 22 \\ \text{M } 28^{10} \\ \text{M } 35 \\ \text{M } 35 \\ \text{M } 42 (\text{PR-3S})^{3)} \\ \text{M } 44 (\text{PR-3S})^{3)} \\ \text{U } 16^{*} \\ \text{U } 20^{*} \\ \text{U } 25^{*} \\ \text{U } 32 \\ \text{U } 18^{*} \\ \text{U } 20^{*} \\ \text{U } 25^{*} \\ \text{U } 32 \\ \text{U } 40 \\ \end{array}$	570475 571900 571902 570100 570120 570130 570140 570150 572708 570110 570120 570110 570120 570120 570130 570140 570150 570765 570765 570775 570780 570775 570770 570775 570770 570775 570770 570775 570770 570775 570770 570775 570770 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 570780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 5707780 5707780 5707780 5707780 5707780 5707780 5707780 5707780 5707780 5707780 57078	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypex Air PLASTICA ALFA Multypex Air	H 20* H 20* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 16* H 20* H 26* H 16* H 20* H 26* U 32 U 16* U 16* U 20* C 26* U 32 H 16* H 20* H 20* H 20* H 26* H 20* H 26* H 20* H 20* C 26* H 20* H 20* C 26* H 20* H 20* C 26* H 20* H 2	570350 570370 570380 570755 570755 570755 570785 570350 570350 570320 570350 570350 570350 570350 570350 570370 570380 570370 570755 570755 570755 570755 570750 570785 570320 570380 570735 570750 570785 570755 570750 570785 570320 570380 570370 570785 570750 570785 570750 570785 570320 570370 570370 570370 570370 570370 570750 570370 570350 570370 570350 570755 570755 570750 570350 570320 570750 570750 570750 570750 570750 570350 570350 570750 570750 570750 570750 570350 570350 570750	plomyPRESS plomyLAYER PEX PLOMYPLAS plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 25 RFz 32 TH 16* TH 25* TH 32 U 16* U 20* U 25* U 32 RFz 16* RFz 20* RFz 16* RFz 20* RFz 32 TH 16* TH 20* TH 25* TH 32 U 16* U 32 U 10* U 32 U 10* RFz 32 U 10* U 32 U 32 U 32 U 32 U 32 U 32 U 32 U 32	570765 570775 570780 570785 571325 571330 571335 571330 570460 570470 570495 570480 570785 570780 570785 571325 571325 571330 571335 571330 571335 571340 570460 570470 570480 570470 570495 570480 570765
Press Solar egler Yorkshire Press ainless ERFEXIM PERFEKT YSTEM" ERFILTUBO	$\begin{array}{l} HE 32 \\ HE 40 \\ M 15 \\ M 18^{1)} \\ M 22 \\ M 28^{10} \\ M 35 \\ M 42  (PR\text{-}3S)^{3)} \\ M 54  (PR\text{-}3S)^{3)} \\ M 15 \\ M 18^{1)} \\ M 22 \\ M 28^{10} \\ M 35 \\ M 24  (PR\text{-}3S)^{3)} \\ M 54  (PR\text{-}3S)^{3)} \\ M 54  (PR\text{-}3S)^{3)} \\ U 16^{4} \\ U 20^{4} \\ U 20^{2} \\ U 32 \\ U 16^{4} \\ U 25^{4} \\ U 20^{5} \\ U 32 \\ U 40 \\ U 50 \\ \end{array}$	570475 571900 571902 57010 570120 570120 570140 570150 572706 572708 570110 570120 570120 570120 570130 570150 570765 5707765 570775 570780 570775 570780 570775 570780 570775 570785 5707785 570785 5707785 570795 570785 5707	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypex Air PLASTICA ALFA Multypex Air	H $20^*$ H $26^*$ H $32$ U $16^*$ U $20^*$ C $26^*$ U $32$ H $16^*$ H $20^*$ H $26^*$ H $32$ H $16^*$ H $32$	570350 570370 570380 570765 570775 5707750 570350 570320 570320 570320 570320 570320 570320 570350 570320 570350 570350 570350 570370 570380 570765 570775 570755 570750 570785 570320 570350 570370 57035	plomyPRESS plomyLAYER PEX PLOMYPLAS plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 32 TH 16* TH 20* TH 25* TH 32 U 16* U 20* U 20* U 20* U 20* U 32 RFz 16* RFz 16* RFz 20* RFz 16* RFz 25 RFz 32 TH 16* TH 25* TH 25* TH 32	570765 570775 570780 570785 571325 571330 571335 571340 570460 570470 570495 570480 570765 570780 570785 570780 570785 571325 571325 571325 571330 571335 571340 570470 570470 570470 570470 570480
egler Yorkshire Press Solar egler Yorkshire Press tainless ERFEXIM PERFEKT YSTEM" ERFILTUBO ERFILALUPEX	$\begin{array}{l} \text{HE } 32 \\ \text{HE } 40 \\ \text{M } 15 \\ \text{M } 18^{1)} \\ \text{M } 22 \\ \text{M } 28^{10} \\ \text{M } 35 \\ \text{M } 42 (\text{PR-3S})^{3)} \\ \text{M } 54 (\text{PR-3S})^{3)} \\ \text{M } 18^{10} \\ \text{M } 22 \\ \text{M } 28^{10} \\ \text{M } 35 \\ \text{M } 22 \\ \text{M } 28^{10} \\ \text{M } 35 \\ \text{M } 35 \\ \text{M } 42 (\text{PR-3S})^{3)} \\ \text{M } 44 (\text{PR-3S})^{3)} \\ \text{U } 16^{*} \\ \text{U } 20^{*} \\ \text{U } 25^{*} \\ \text{U } 32 \\ \text{U } 18^{*} \\ \text{U } 20^{*} \\ \text{U } 25^{*} \\ \text{U } 32 \\ \text{U } 40 \\ \end{array}$	570475 571900 571902 570100 570120 570130 570140 570150 572708 570110 570120 570110 570120 570120 570130 570140 570150 570765 570765 570775 570780 570775 570770 570775 570770 570775 570770 570775 570770 570775 570770 570775 570770 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 570780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 5707780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 570775 570780 5707780 5707780 5707780 5707780 5707780 5707780 5707780 5707780 5707780 5707780 57078	Multypex PLASTICA ALFA Multypexalfa Gas PLASTICA ALFA Multypex Air PLASTICA ALFA Multypex Air	H 20* H 20* H 26* H 32 U 16* U 20* C 26* U 32 H 16* H 20* H 26* H 20* H 26* H 20* H 26* H 20* H 26* H 20* H 20* H 26* H 20* H 20* H 20* H 26* H 20* H	570350 570370 570380 570765 570775 570750 570785 570320 570320 570320 570320 570320 570320 570350 570370 570350 570370 570350 570755 570350 570350 570350 570350 570350 570350 570350 570350 570350 570350 570350 570370 570350 570370 570350 570370 570350 570370 570350 570755 570755 570755 570755 570350 570755 570755 570755 570755 570350 570370 570350 570350	plomyPRESS plomyLAYER PEX PLOMYPLAS plomyPRESS	U 20* U 25* U 32 RFz 16* RFz 20* RFz 25 RFz 32 TH 16* TH 25* TH 32 U 16* U 20* U 25* U 32 RFz 16* RFz 20* RFz 16* RFz 20* RFz 32 TH 16* TH 20* TH 25* TH 32 U 16* U 32 U 10* U 32 U 10* RFz 32 U 10* U 32 U 32 U 32 U 32 U 32 U 32 U 32 U 32	570765 570775 570780 570785 571325 571330 571335 571330 570460 570470 570495 570480 570785 570780 570785 571325 571325 571330 571335 571330 571335 571340 570460 570470 570480 570470 570495 570480 570765

Pressfitting systems for gas installations must only be pressed with pressing tongs/pressing rings which are highlighted in yellow. Observe the national regulations.

\* These pressing tongs also fit the manual radial press REMS Eco-Press. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1st quarter of 2008), "208" (2nd quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw.

<sup>2)</sup> For this pressfitting system producing a pressing joint with manual radial presses is not permitted.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 158.

<sup>4)</sup> Press fittings made of red bronze (ProPress XL) must be pressed with pressing rings with press contour VUSR, copper fittings (ProPress XL-C)

and stainless steel fittings (ProPress XL-S) with pressing rings with press contour VUSF.

<sup>5)</sup> For taking suitable pressing inserts.

<sup>6)</sup> Press fittings made of red bronze (Sanpress XL) must be pressed with pressing rings with press contour VR, copper fittings (Profipress XL, Profipress G XL), carbon steel (Prestabo XL) and stainless steel fittings (Sanpress Inox XL, Sanpress Inox G XL) with pressing rings with press contour VF.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

ystem LOMYPLAS	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
	RFz 16*	571325	POLYSAN	TH 14*	570455	RIFENG U	U 14*	570760
lomyPRESS	RFz 20*	571330	Handelsges.	TH 16*	570460	PRESS FITTING	U 16*	570765
lomyPEX	RFz 25 RFz 32	571335 571340	m.b.H. & Co KG (Krems/Öster-	TH 17* TH 18*	570462 570465	(F5)	U 18* U 20*	570770 570775
	TH 16*	570460	reich)	TH 20*	570470		U 25*	570780
	TH 20*	570470	POLYSAN-Henco-		570475		U 32	570785
	TH 25*	570495	Press-System	HE 32	571900		U 40	570790
	TH 32	570480	POLYSAN	HE 40 U 16*	571902 570765		U 50 U 63 (S)	570795 572365
	U 16* U 20*	570765 570775	(España)	U 18*	570770		U 63 (PR-3B) <sup>3)</sup>	572837
	U 25*	570780	Rainbow	U 20*	570775		U 75 (PR-3B) <sup>3)</sup>	572828
	U 32	570785		U 25*	570780	RIFENG TH	TH 16*	570460
OMYPLAS	RFz 16*	571325		U 32	570785	PRESS FITTING	TH 20*	570470
omyPRESS	RFz 20*	571330		U 40 U 50	570790 570795	(F9)	TH 25* TH 26*	570495 570475
MYPEX EVAL	RFz 25 RFz 32	571335 571340		U 63 (PR-3B) <sup>3)</sup>	572837		TH 32	570480
	TH 16*	570460		U 63 (S)	572365		TH 40	570485
	TH 20*	570470	Prandelli	H 14*	570310		TH 50 (S)	572400
	TH 25*	570495	Multyrama Pf	H 16* H 18*	570320 570340	RIQUIER	TH 63 (S) RFz 12*	572405 571320
	TH 32	570480		H 20*	570350	ASERTIR	RFz 12 RFz 16*	571325
	U 16* U 20*	570765 570775		H 26*	570370	710211111	RFz 20*	571330
	U 25*	570780		H 32	570380		RFz 25	571335
	U 32	570785		U 40	570790	Rofix Climatrix	H 16*	570320
	S VAU 15 (OD 12,7 mm)	572687	Prandelli	U 50 H 16*	570795 570320	Rhinopex	H 20* U 16*	570350 570765
ESS PLUS	VAU 20 (OD 19,1 mm)	572689	Multyrama Pfm	H 18*	570340		U 20*	570775
JS)	VAU 25 (OD 25,4 mm) VAU 32 (OD 31,8 mm)	572691 572693		H 20*	570350		TH 14*	570455
	VAU 40 (OD 38,1 mm)	572695		H 26*	570370		TH 16*	570460
	VAU 50 (OD 50,8 mm)	572697		H 32 TH 16*	570380 570460		TH 18* TH 20*	570465 570470
	VAUF 65 (PR-3B)3)	572839		TH 16*	570460 570465		TH 20* TH 26*	570470 570475
	(OD 63,5 mm)	5700.40		TH 20*	570470		TH 32	570480
	VAUF 80 (PR-3B) <sup>3)</sup> (OD 76,2 mm)	572840		TH 26*	570475	Roth	RN 14*	572672
	VAUF 100 (PR-3B) <sup>3)</sup>	572841		TH 32	570480		RN 17*	572674
	(OD 101,6 mm)	-		U 16* U 18*	570765 570770		RN 20* RN 25/26	572676 572678
LYPIPE	F 16*	570715		U 20*	570775		RN 32	572680
LYPRESS	F 20*	570725	PRASKI	TH 10*	570467		RN 40 (PR-3S)3)	572714
	F 26* F 32	570730 570735	BAVARIA-press	TH 14*	570455		RN 50 (PR-3S) <sup>3)</sup>	572716
	F 32 F 40	570735		TH 16* TH 17*	570460 570462	Poth Nordia	RN 63 (PR-3B) <sup>3)</sup>	572836
	F 50	570745		TH 17* TH 20*	570462	Roth Nordic Alu-LaserPlus/	RN 16 RN 20	572670 572676
	F 63 (S)	572385		TH 26*	570475	PressCheck <sup>2)</sup>	RN 25/26	572678
	F 75 (PR-3B)3)	572830		TH 32	570480	(DNK-NOR-SWE-FIN)	RN 32	572680
LYPIPE LYSURE	TH 10* TH 15*	570467	<b>D</b>	TH 40	570485		RN 40 (PR-3S) <sup>3)</sup>	572714
LISURE	TH 15 TH 22*	570457 570472	Raccorderie Metalliche	M 15 M 18	570110 570120	Rubinetterie	RN 50 (PR-3S) <sup>3)</sup> M 15	572716 570110
	TH 28	570477	aesPRES <sup>1)</sup>	M 22	570120	Bresciane	M 15 M 18	570120
LYSAN	M 15	570110	40011120	M 28	570140	Bonomi	M 22	570130
ndelsges.	M 18	570120		M 35	570150	TURBO INOX	M 28	570140
o.H. & Co KG	M 22	570130		M 42 (PR-3S) <sup>3)</sup> M 54 (PR-3S) <sup>3)</sup>	572706		M 35	570150
ems/Öster- ch)	M 28 M 35	570140 570150	Raccorderie	M 54 (PR-35)%	572708 570110		M 42 (PR-3S) <sup>3)</sup> M 54 (PR-3S) <sup>3)</sup>	572706 572708
DLYSAN-	M 42 (PR-3S) <sup>3)</sup>	572706	Metalliche	M 18	570120		M 15 45° (PR-2B) <sup>3)</sup>	574522
elstahl	M 54 (PR-3S) <sup>3)</sup>	572708	inoxPRES <sup>1)</sup>	M 22	570130		M 18 45° (PR-2B) <sup>3)</sup>	574524
ess-System	M 15 45° (PR-2B) <sup>3)</sup>	574522		M 28	570140		M 22 45° (PR-2B) <sup>3)</sup>	574526
IS	M 18 45° (PR-2B) <sup>3)</sup>	574524		M 35 M 42 (PR-3S) <sup>3)</sup>	570150 572706		M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup>	574528 574530
	M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup>	574526 574528		M 54 (PR-3S) <sup>3)</sup>	572708	Rubinetterie	M 15	570110
	M 35 45° (PR-2B) <sup>3</sup>	574530	Raccorderie	M 15	570110	Bresciane	M 18	570120
LYSAN	M 15	570110	Metalliche	M 18	570120	Bonomi	M 22	570130
ndelsges.	M 18	570120	steelPRES <sup>1)</sup>	M 22	570130	TURBO STEEL	M 28	570140
o.H. & Co KG ems/Öster-	M 22	570130		M 28 M 35	570140 570150		M 35 M 42 (PR-3S) <sup>3)</sup>	570150 572706
h)	M 28 M 35	570140 570150		M 42 (PR-3S) <sup>3)</sup>	572706		M 54 (PR-3S) <sup>3)</sup>	572708
LYSAN-	M 42 (PR-3S) <sup>3)</sup>	572706		M 54 (PR-3S) <sup>3)</sup>	572708		M 15 45° (PR-2B)3)	574522
	M 54 (PR-3S) <sup>3)</sup>				570460		M 18 45° (PR-2B) <sup>3)</sup>	
Stahl-Press-		572708	RBM Tita-gas	TH 16*				574524
	M 15 45° (PR-2B)3)	572708 574522	RBM Tita-gas	TH 20*	570470		M 22 45° (PR-2B)3)	574524 574526
	M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup>	572708 574522 574524	RBM Tita-gas	TH 20* TH 26*	570470 570475		M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup>	574524 574526 574528
	M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup>	572708 574522 574524 574526	RBM Tita-gas	TH 20* TH 26* TH 32 B 14*	570470 570475 570480 570845	Rubinetterie	M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> TH 14*	574524 574526 574528 574530 570455
	M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup>	572708 574522 574524		TH 20* TH 26* TH 32 B 14* B 16*	570470 570475 570480 570845 570850	Bresciane	M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> TH 14* TH 16*	574524 574526 574528 574530 570455 570460
tem M	M 15 45° (PR-2B) <sup>3</sup> ) M 18 45° (PR-2B) <sup>3</sup> ) M 22 45° (PR-2B) <sup>3</sup> ) M 28 45° (PR-2B) <sup>3</sup> ) M 35 45° (PR-2B) <sup>3</sup> ) V 15	572708 574522 574524 574526 574528 574528 574530 570115		TH 20* TH 26* TH 32 B 14* B 16* B 18*	570470 570475 570480 570845 570850 570855	Bresciane Bonomi	M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> TH 14* TH 16* TH 16* TH 18*	574524 574526 574528 574530 570455 570460 570465
tem M LYSAN ndelsges.	M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> V 15 V 18	572708 574522 574524 574526 574528 574530 570115 570125		TH 20* TH 26* TH 32 B 14* B 16* B 18* B 20*	570470 570475 570480 570845 570850 570855 570855 570860	Bresciane	M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> TH 14* TH 16* TH 16* TH 18* TH 20*	574524 574526 574528 574530 570455 570460 570465 570470
LYSAN hdelsges. b.H. & Co KG	M 15 45° (PŘ-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> V 15 V 15 V 18 V 22	572708 574522 574524 574526 574528 574530 570115 570125 570135		TH 20* TH 26* TH 32 B 14* B 16* B 18*	570470 570475 570480 570845 570850 570855	Bresciane Bonomi	M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> TH 14* TH 16* TH 16* TH 18*	574524 574526 574528 574530 570455 570460 570465
LYSAN Idelsges. b.H. & Co KG ems/Öster-	M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup> M 25 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> V 15 V 15 V 18 V 22 V 28	572708 574522 574524 574526 574528 574530 570115 570125 570135 570135 570145		TH 20* TH 26* TH 32 B 14* B 16* B 18* B 20* B 26 F 16* F 18*	570470           570475           570480           570845           570850           570860           570870           570715           570720	Bresciane Bonomi	$\begin{array}{c} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ TH \ 14^{\ast} \\ TH \ 16^{\ast} \\ TH \ 18^{\ast} \\ TH \ 20^{\ast} \\ TH \ 20^{\ast} \\ TH \ 32 \\ TH \ 40 \end{array}$	574524 574526 574528 574530 570455 570460 570465 570465 570470 570475 570480 570485
LYSAN Indelsges. b.H. & Co KG erms/Öster- ch)	M 15 45° (PŘ-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> V 15 V 15 V 18 V 22	572708 574522 574524 574526 574528 574530 570115 570125 570135		TH 20* TH 26* TH 32 B 14* B 16* B 20* B 20* B 26 F 16* F 18* F 18* F 20*	570470 570475 570480 570850 570850 570855 570860 570870 570715 570720 570720 570725	Bresciane Bonomi	M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> TH 14* TH 16* TH 18* TH 20* TH 20* TH 26* TH 32 TH 40 TH 50 (S)	574524 574526 574528 574530 570455 570460 570465 570470 570475 570475 570480 570485 572400
LYSAN hdelsges. b.H. & Co KG ems/Öster- ch) LYSAN- Stahl-Press-	$\begin{array}{cccc} M \ 15 & 45^\circ \ (PR-2B)^3 \\ M \ 18 & 45^\circ \ (PR-2B)^3 \\ M \ 22 & 45^\circ \ (PR-2B)^3 \\ M \ 25 & (PR-2B)^3 \\ M \ 35 & 45^\circ \ (PR-2B)^3 \\ V \ 15 \\ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 54 \end{array}$	572708 574522 574524 574528 574528 574530 570115 570125 570135 570145 570155 570155 570155 570175		TH 20* TH 20* TH 32 B 14* B 16* B 20* B 20* F 16* F 16* F 16* F 16* F 16* F 16* F 16* H 14*	570470           570475           570480           570845           570850           570850           570860           570870           570715           570720           570725           570310	Bresciane Bonomi TURBO PRESS	$\begin{array}{c} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ TH \ 14^{\ast} \\ TH \ 16^{\ast} \\ TH \ 16^{\ast} \\ TH \ 20^{\ast} \\ TH \ 20^{\ast} \\ TH \ 32 \\ TH \ 40 \\ TH \ 50 \ (S) \\ TH \ 63 \ (S) \\ \end{array}$	574524 574526 574528 574528 570455 570460 570465 570470 570470 570475 570480 570480 570485 572400
LYSAN hdelsges. b.H. & Co KG ems/Öster- ch) LYSAN- Stahl-Press-	$\begin{array}{c} M \ 15 \ 45^\circ \ (PR-2B)^3) \\ M \ 18 \ 45^\circ \ (PR-2B)^3) \\ M \ 22 \ 45^\circ \ (PR-2B)^3) \\ M \ 28 \ 45^\circ \ (PR-2B)^3) \\ V \ 15 \\ V \ 15 \\ V \ 22 \\ V \ 28 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 54 \\ V \ 15 \ (PR-2B)^3) \end{array}$	572708 574522 574524 574526 574528 570115 570125 570135 570135 570145 570155 570165 570165 570165 574504		TH 20* TH 26* TH 32 B 14* B 16* B 20* B 20* B 26 F 16* F 18* F 18* F 20*	570470 570475 570480 570845 570850 570855 570860 570870 570715 570720 570725 570310 570320	Bresciane Bonomi	M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> TH 14* TH 16* TH 18* TH 20* TH 20* TH 20* TH 26* TH 32 TH 40 TH 50 (S) TH 63 (S) TH 6*	574524 574526 574528 574528 570455 570460 570465 570470 570475 570480 570480 570480 572400 572405 572405
LYSAN hdelsges. b.H. & Co KG ems/Öster- ch) LYSAN- Stahl-Press-	M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> V 15 V 18 V 22 V 28 V 35 V 42 V 42 V 54 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup>	572708 574522 574524 574526 574530 570115 570125 570135 570145 570145 570165 570165 570175 574506		TH 20* TH 26* TH 32 B 14* B 16* B 20* B 26 F 16* F 18* F 20* H 14* H 16* H 16* H 18* H 20*	570470           570475           570480           570845           570850           570850           570860           570870           570715           570720           570725           570320           570320           570350	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi	M 22 45° (PR-2B) <sup>3</sup> ) M 28 45° (PR-2B) <sup>3</sup> ) M 35 45° (PR-2B) <sup>3</sup> ) TH 14* TH 16* TH 18* TH 20* TH 20* TH 20* TH 32 TH 40 TH 50 (S) TH 63 (S) TH 16* TH 20* TH 20* TH 20* TH 20* TH 20*	574522 574528 574528 574528 570460 570465 570470 570475 570475 570480 570475 570485 570485 572400 572400 572405 570470
LYSAN hdelsges. b.H. & Co KG ems/Öster- ch) LYSAN- Stahl-Press-	M 15 45° (PR-2B) <sup>3</sup> ) M 18 45° (PR-2B) <sup>3</sup> ) M 22 45° (PR-2B) <sup>3</sup> ) M 28 45° (PR-2B) <sup>3</sup> ) M 28 45° (PR-2B) <sup>3</sup> ) V 15 V 18 V 22 V 28 V 35 V 42 V 54 V 54 V 15 45° (PR-2B) <sup>3</sup> ) V 18 45° (PR-2B) <sup>3</sup> ) V 22 45° (PR-2B) <sup>3</sup> )	572708 574522 574524 574528 574530 570115 570125 570135 570135 570145 570155 570165 570165 570175 574504 574508		TH 20* TH 26* TH 32 B 14* B 16* B 20* B 20* B 26 F 16* F 18* F 20* H 14* H 16* H 18* H 16* H 18* H 20* H 26*	570470           570475           570845           570850           570860           570870           570720           570725           570310           570320           570340           570350	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS	M 22 45° (PR-2B) <sup>3)</sup> M 28 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> TH 14* TH 16* TH 18* TH 20* TH 20* TH 20* TH 26* TH 32 TH 40 TH 50 (S) TH 63 (S) TH 16* TH 20*	574524 574528 574528 574528 570450 570460 570470 570475 570475 570475 570485 570485 572400 572400 572400 572400
ttem M LYSAN ndelsges. I.H. & Co KG ems/Öster- h) LYSAN- Stahl-Press-	M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup> M 22 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> M 35 45° (PR-2B) <sup>3)</sup> V 15 V 18 V 22 V 28 V 35 V 42 V 42 V 54 V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup>	572708 574522 574524 574526 574530 570115 570125 570135 570145 570145 570165 570165 570175 574506		TH 20* TH 26* TH 32 B 14* B 16* B 20* B 26 F 16* F 18* F 20* H 14* H 16* H 18* H 20* H 20* H 20* H 32	570470           570475           570480           570845           570850           570860           570870           570715           570720           570725           570310           570320           570340           570350           570370           570370	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS	$\begin{array}{l} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ TH \ 14^{\ast} \\ TH \ 16^{\ast} \\ TH \ 16^{\ast} \\ TH \ 26^{\ast} \\ TH \ 32 \\ TH \ 40 \\ TH \ 50 \ (S) \\ TH \ 63^{\circ} \\ S) \\ TH \ 16^{\circ} \\ TH \ 20^{\ast} \ 20^{\ast} \\ TH \ 20^{\ast} \ 20^{\ast} \ 20^{\ast} \ 20^{\ast} \ 20^{\ast} \ 2$	574524 574526 574528 574528 574528 570460 570465 570470 570475 570470 570475 570480 572400 572400 572400 572405 570470 570475 570475 570475
tem M LYSAN hdelsges. .H. & Co KG mms/Öster- h) LYSAN- tahl-Press- tem V	$\begin{array}{l} M \ 15 \ 45^\circ \ (PR-2B)^3) \\ M \ 18 \ 45^\circ \ (PR-2B)^3) \\ M \ 22 \ 45^\circ \ (PR-2B)^3) \\ M \ 25 \ 45^\circ \ (PR-2B)^3) \\ M \ 25 \ 45^\circ \ (PR-2B)^3) \\ V \ 15 \\ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 54 \\ V \ 15 \ 45^\circ \ (PR-2B)^3) \\ V \ 18 \ 45^\circ \ (PR-2B)^3) \\ V \ 18 \ 45^\circ \ (PR-2B)^3) \\ V \ 22 \ 45^\circ \ (PR-2B)^3) \\ V \ 23 \ 45^\circ \ (PR-2B)^3) \\ V \ 35 \ 45^\circ \ (PR-2B)^3) \\ M \ 15 \end{array}$	572708 574522 574524 574528 574528 574530 570115 570125 570135 570145 570155 570155 570165 570165 570175 574506 574506 574508 574510 574512 574512 570110		TH 20* TH 20* TH 26* TH 32 B 14* B 16* B 20* B 26 F 18* F 82* F 18* F 18* F 20* H 14* H 16* H 18* H 16* H 18* H 20* H 20* H 20* TH 14*	570470           570475           570845           570850           570860           570870           570715           570720           570320           570340           570320           570340           570320           570340           570350           570370           570380           5704455	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS		574524 574528 574528 574528 570460 570465 570470 570475 570475 570480 570485 572400 572400 572400 572400 570475 570470 570475 570480
tem M LYSAN ndelsges. .H. & Co KG ms/Öster- h) LYSAN- tahl-Press- tem V	$\begin{array}{c} M \ 15 \ 45^\circ \ (PR-2B)^3) \\ M \ 18 \ 45^\circ \ (PR-2B)^3) \\ M \ 22 \ 45^\circ \ (PR-2B)^3) \\ M \ 28 \ 45^\circ \ (PR-2B)^3) \\ V \ 15 \\ V \ 15 \\ V \ 28 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 54 \\ V \ 15 \ 45^\circ \ (PR-2B)^3) \\ V \ 18 \ 45^\circ \ (PR-2B)^3) \\ V \ 22 \ 45^\circ \ (PR-2B)^3) \\ V \ 22 \ 45^\circ \ (PR-2B)^3) \\ V \ 22 \ 45^\circ \ (PR-2B)^3) \\ V \ 28 \ 45^\circ \ (PR-2B)^3) \\ V \ 35 \ 45^\circ \ (PR-2B)^3) \\ V \ 35 \ 45^\circ \ (PR-2B)^3) \\ V \ 35 \ 45^\circ \ (PR-2B)^3) \\ M \ 35 \ M \ 15 \\ M \ 18 \end{array}$	572708 574522 574524 574526 574528 570115 570125 570135 570145 570145 570155 570165 570165 570155 570165 570155 574504 574506 574506 574508 574510 574512 570110 570120		TH 20* TH 26* TH 32 B 14* B 16* B 20* B 26 F 16* F 18* F 20* H 14* H 16* H 18* H 20* H 20* H 20* H 32	570470           570475           570845           570850           570860           570870           570720           570720           570720           570310           570320           570340           570350           570350           570380           570380           570470           570340           570350           570380           570455           570460	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS	$\begin{array}{c} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ TH \ 14^{\ast} \\ TH \ 16^{\ast} \\ TH \ 40^{\ast} \\ TH \ 20^{\ast} \\ TH \ 40 \\ TH \ 50 \ (S) \\ TH \ 63 \\ TH \ 63 \\ TH \ 64^{\circ} \\ TH \ 20^{\ast} \ 20^{$	574524 574528 574528 574528 574528 570460 570465 570470 570470 570475 570485 572400 572400 572405 570470 570470 570475 570480 570460
tem M LYSAN Idelsges. .H. & Co KG ems/Öster- h) LYSAN- tahl-Press- tem V	$\begin{array}{l} M \ 15 \ 45^\circ \ (PR-2B)^3) \\ M \ 18 \ 45^\circ \ (PR-2B)^3) \\ M \ 22 \ 45^\circ \ (PR-2B)^3) \\ M \ 24 \ 45^\circ \ (PR-2B)^3) \\ M \ 25 \ 45^\circ \ (PR-2B)^3) \\ V \ 15 \\ V \ 15 \\ V \ 15 \\ V \ 22 \\ V \ 28 \\ V \ 25 \\ V \ 42 \\ V \ 5 \\ V \ 45 \\ V \ 15 \\ M \ 15 \\ M \ 18 \\ M \ 22 \\ \end{array}$	572708 574522 574524 574526 574528 570115 570125 570135 570145 570145 570165 570165 570155 574504 574504 574506 574510 574510 574512 570110 570110 570130		TH 20* TH 20* TH 26* TH 32 B 14* B 16* B 20* B 26 F 18* F 20* F 18* F 20* H 14* H 16* H 18* H 20* H 20	570470           570475           570480           570845           570850           570860           570870           570720           570725           570310           570320           570350           570340           570350           570350           570370           570380           570455           570460           570465           570465	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS	$\begin{array}{c} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ TH \ 14^{\circ} \\ TH \ 16^{\circ} \\ TH \ 20^{\circ} \\ TH \ 20^{\circ} \\ TH \ 20^{\circ} \\ TH \ 32 \\ \end{array}$	574524 574528 574528 574528 570460 570465 570470 570470 570475 570480 570485 570470 572400 572400 570470 570470 570470 570470 570480 570465 570460 570465 570465 570465
tem M LYSAN Idelsges. .H. & Co KG mrs/Öster- h) LYSAN- tahl-Press- tem V LYSAN Idelsges. .H. & Co KG mrs/Öster-	$\begin{array}{c} M \ 15 \ 45^\circ \ (PR-2B)^3) \\ M \ 18 \ 45^\circ \ (PR-2B)^3) \\ M \ 22 \ 45^\circ \ (PR-2B)^3) \\ M \ 25 \ 45^\circ \ (PR-2B)^3) \\ M \ 25 \ 45^\circ \ (PR-2B)^3) \\ V \ 15 \ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 54 \\ V \ 15 \ 45^\circ \ (PR-2B)^3) \\ V \ 18 \ 45^\circ \ (PR-2B)^3) \\ V \ 18 \ 45^\circ \ (PR-2B)^3) \\ V \ 22 \ 45^\circ \ (PR-2B)^3) \\ V \ 23 \ 45^\circ \ (PR-2B)^3) \\ V \ 35 \ 45^\circ \ (PR-2B)^3) \\ M \ 15 \\ M \ 18 \\ M \ 22 \\ M \ 28 \end{array}$	572708 574522 574524 574528 574528 574530 570115 570125 570135 570145 570155 570165 570165 570165 574506 574506 574506 574510 574506 574512 574506 574512 574506 574512 570110 570120 570130 570140		TH 20* TH 26* TH 32 B 14* B 16* B 20* B 20* B 20* F 16* F 18* F 20* H 14* H 16* H 18* H 20* H 20* H 32 TH 14* TH 16* TH 18* TH 20* TH 16* TH 26* B 20* TH 26* B 20* B 20* H 14* H 16* H 18* H 20* H 2	570470           570475           570480           570845           570850           570860           570870           570720           570720           570725           570310           570320           570350           570380           570470           570470           570475	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS	$\begin{array}{c} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ TH \ 14^{\ast} \\ TH \ 16^{\ast} \\ TH \ 20^{\ast} \\ TH \ 20^{\ast} \\ TH \ 20^{\ast} \\ TH \ 20^{\circ} \\ 20^{\circ} \\ TH \ 20^{\circ} \ 20^{\circ} \ 20^{\circ} \\ TH \ 20^{\circ} \ $	574524 574528 574528 574528 574528 570460 570465 570470 570475 570480 572400 572400 572405 570470 570475 570470 570475 570480 570470 570475 570480 570475 570480 570475 570465 570470 570475 570470 570475 570470 570475 570475 570470 570475 570470 570475 570470 570475 570470
tem M LYSAN ndelsges. .H. & Co KG ms/Öster- h) LYSAN- itahl-Press- tem V LYSAN idelsges. .H. & Co KG ems/Öster- h)	$\begin{array}{c} M \ 15 \ 45^\circ \ (PR-2B)^3) \\ M \ 18 \ 45^\circ \ (PR-2B)^3) \\ M \ 22 \ 45^\circ \ (PR-2B)^3) \\ M \ 28 \ 45^\circ \ (PR-2B)^3) \\ V \ 15 \\ V \ 15 \\ V \ 28 \\ V \ 22 \\ V \ 28 \\ V \ 22 \\ V \ 28 \\ V \ 42 \\ V \ 54 \\ V \ 15 \ 45^\circ \ (PR-2B)^3) \\ V \ 15 \ 45^\circ \ (PR-2B)^3) \\ V \ 22 \ 45^\circ \ (PR-2B)^3) \\ V \ 22 \ 45^\circ \ (PR-2B)^3) \\ V \ 22 \ 45^\circ \ (PR-2B)^3) \\ V \ 23 \ 45^\circ \ (PR-2B)^3) \\ V \ 35 \ 45^\circ \ (PR-2B)^3) \\ V \ 35 \ 45^\circ \ (PR-2B)^3) \\ M \ 15 \\ M \ 18 \\ M \ 22 \\ M \ 28 \\ M \ 35 \end{array}$	572708 574522 574524 574528 574528 574530 570115 570125 570135 570145 570155 570165 570165 570165 570165 574504 574506 574508 574508 574512 570120 570130 570130 570130		TH 20*           TH 26*           TH 32           B 14*           B 16*           B 20*           B 220*           B 26           F 16*           F 18*           F 20*           H 14*           H 16*           H 20*           H 20*           H 32           TH 18*           TH 20*           TH 20*           TH 20*           TH 32	570470           570475           570480           570845           570850           570850           570870           570715           570720           570310           570320           570350           570340           570350           570470           570360           570340           570350           570465           570465           570470           570470           570470           570470	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS	$\begin{array}{l} M \ 22 \ 45^\circ \ (PR-2B)^{*)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{*)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{*)} \\ TH \ 28^\circ \ (PR-2B)^{*)} \\ TH \ 18^\circ \ (PR-2B)^{*} \\ TH \ 20^\circ \ (PR-2B)^{*} \\ TH \ 18^\circ \ (PR-2B)^{*} \\ TH \ 18^\circ \ (PR-2B)^{*} \\ TH \ 20^\circ \ (PR-2B)^{*} \ (PR-2B)^{*} \\ TH \ 20^\circ \ (PR-2B)^{*} \ (PR-2B)^{$	574524 574528 574528 574528 570460 570460 570470 570470 570475 570475 570480 572400 572400 572400 572400 572460 570470 570475 570465 570465 570465 570470 570475 570475 570475
LYSAN ndelsges. .H. & Co KG ems/Oster- .h) LYSAN- LYSAN- tahl-Press- tem V LYSAN ndelsges. o.H. & Co KG ems/Oster- .h) LYSAN- JStar-	$\begin{array}{l} M \ 15 \ 45^\circ \ (PR-2B)^3) \\ M \ 18 \ 45^\circ \ (PR-2B)^3) \\ M \ 22 \ 45^\circ \ (PR-2B)^3) \\ M \ 28 \ 45^\circ \ (PR-2B)^3) \\ M \ 28 \ 45^\circ \ (PR-2B)^3) \\ V \ 15 \ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 54 \\ V \ 15 \ 45^\circ \ (PR-2B)^3) \\ V \ 18 \ 45^\circ \ (PR-2B)^3) \\ V \ 18 \ 45^\circ \ (PR-2B)^3) \\ V \ 22 \ 45^\circ \ (PR-2B)^3) \\ V \ 28 \ 45^\circ \ (PR-2B)^3) \\ M \ 15 \\ M \ 18 \\ M \ 22 \\ M \ 28 \\ M \ 35 \\ M \ 42 \ (PR-3S)^3) \\ M \ 54 \ (PR-3S)^3) \\ \end{array}$	572708 574522 574524 574528 574528 570115 570125 570125 570145 570155 570155 570165 570165 574506 574506 574508 574510 574506 574512 570110 570120 570130 570140 570150 572706 572708		$\begin{array}{c} TH \ 20^{\circ} \\ TH \ 20^{\circ} \\ TH \ 32 \\ B \ 14^{\circ} \\ B \ 16^{\circ} \\ B \ 20^{\circ} \\ B \ 20^{\circ} \\ B \ 26 \\ F \ 18^{\circ} \\ F \ 20^{\circ} \\ H \ 14^{\circ} \\ H \ 16^{\circ} \\ H \ 14^{\circ} \\ H \ 20^{\circ} \\ TH \ 16^{\circ} \\ TH \ 16^{\circ} \\ TH \ 20^{\circ} \\ TH \ 40 \\ \end{array}$	570470           570475           570845           570850           570860           570870           570715           570720           570320           570340           570350           570320           570340           570350           570380           570460           570485           570460           570470           570480           570485	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS	$\begin{array}{c} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ TH \ 14^{\circ} \\ TH \ 16^{\circ} \\ TH \ 20^{\circ} \\ TH \ 40^{\circ} \\ TH \ 20^{\circ} \\ TH \ 40^{\circ} \ 40^{\circ} \\ TH \ 40^{\circ} \ 40^{$	574524 574528 574528 574528 570460 570465 570470 570475 570480 570485 570480 570480 570480 570480 570485 570460 570465 570460 570465 570465 570475 570475 570475 570475
LYSAN hdelsges. .H. & Co KG ems/Öster- h) LYSAN- tahl-Press- tern V LYSAN hdelsges. .H. & Co KG ems/Öster- h) LYSAN- talsaN- talsaN- ses-System	$\begin{array}{l} {\rm M}\;15\;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;18\;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;22\;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;28\;45^\circ\;({\rm PR-2B})^3)\\ {\rm V}\;15\\ {\rm V}\;15\\ {\rm V}\;15\\ {\rm V}\;22\\ {\rm V}\;28\\ {\rm V}\;35\\ {\rm V}\;42\\ {\rm V}\;24\\ {\rm V}\;54\\ {\rm V}\;24\\ {\rm V}\;54\\ {\rm V}\;15\\ {\rm V}\;45^\circ\;({\rm PR-2B})^3)\\ {\rm V}\;18\;45^\circ\;({\rm PR-2B})^3)\\ {\rm V}\;22\;45^\circ\;({\rm PR-2B})^3)\\ {\rm V}\;22\;45^\circ\;({\rm PR-2B})^3)\\ {\rm V}\;23\;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;15\\ {\rm M}\;18\\ {\rm M}\;22\\ {\rm M}\;28\\ {\rm M}\;35\\ {\rm M}\;42\;({\rm PR-3S})^3)\\ {\rm M}\;15\;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;15\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;15\;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;15\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;15\;45^\circ\;({\rm M}\;15\;45^\circ\;({\rm M}\;16\;45^\circ\;({\rm M}\;15\;45^\circ\;({\rm$	572708 574522 574524 574528 574528 574530 570115 570125 570135 570145 570155 570165 570165 570175 574504 574506 574508 574512 574508 574512 570120 570130 570130 570150 572706 572706 572708 574522		TH 20*           TH 26*           TH 32           B 14*           B 16*           B 20*           B 220*           B 26           F 16*           F 18*           F 20*           H 14*           H 16*           H 20*           H 20*           H 32           TH 18*           TH 20*           TH 20*           TH 20*           TH 32	570470           570475           570480           570845           570850           570850           570870           570715           570720           570310           570320           570350           570340           570350           570470           570360           570340           570350           570465           570465           570470           570470           570470           570470	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS	$\begin{array}{l} M \ 22 \ 45^\circ \ (PR-2B)^{*)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{*)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{*)} \\ TH \ 28^\circ \ (PR-2B)^{*)} \\ TH \ 18^\circ \ (PR-2B)^{*} \\ TH \ 20^\circ \ (PR-2B)^{*} \\ TH \ 18^\circ \ (PR-2B)^{*} \\ TH \ 18^\circ \ (PR-2B)^{*} \\ TH \ 20^\circ \ (PR-2B)^{*} \ (PR-2B)^{*} \\ TH \ 20^\circ \ (PR-2B)^{*} \ (PR-2B)^{$	574524 574528 574528 574528 570460 570460 570470 570470 570475 570475 570480 572400 572400 572400 572400 572460 570470 570475 570465 570465 570465 570470 570475 570475 570475
LYSAN hdelsges. .H. & Co KG ems/Öster- h) LYSAN- itahl-Press- item V LYSAN hdelsges. .H. & Co KG ems/Öster- h) LYSAN- islanl- ss-System	$\begin{array}{l} {\rm M}\;15\;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;18\;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;22\;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;22\;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;23\;45^\circ\;({\rm PR-2B})^3)\\ {\rm V}\;15\\ {\rm V}\;15\\ {\rm V}\;22\\ {\rm V}\;28\\ {\rm V}\;22\\ {\rm V}\;24\\ {\rm V}\;54\\ {\rm V}\;15\\ {\rm V}\;245^\circ\;({\rm PR-2B})^3)\\ {\rm V}\;28\\ {\rm 45}^\circ\;({\rm PR-2B})^3)\\ {\rm V}\;28\\ {\rm 45}^\circ\;({\rm PR-2B})^3)\\ {\rm V}\;28\\ {\rm 45}^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;15\\ {\rm M}\;18\\ {\rm M}\;22\\ {\rm M}\;28\\ {\rm M}\;35\\ {\rm M}\;42\;({\rm PR-3S})^3)\\ {\rm M}\;15$ \;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;18$ \;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;15$ \;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;18$ \;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;18$ \;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;18$ \;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;18$ \;45^\circ\;({\rm PR-2B})^3)\\ {\rm M}\;18\;45^\circ\;({\rm M}\;18\\ {\rm M}\;16\\ {\rm M}\;18\\ {\rm M}\;18\\ {\rm M}\;16$ \;16$ \{\rm M}\;16$ \;16$ \{\rm M}$16$ \;16$ \{\rm M}$16$ \16$ \16$ \16$ \16$ \16$ \16$ \16$ $	572708 574522 574524 574526 574528 570115 570125 570135 570145 570145 570165 570165 57055 574504 574506 574506 574506 574510 574510 570120 570110 570120 570130 570140 570150 572706 572708 574524		$\begin{array}{c} TH \ 20^{*} \\ TH \ 20^{*} \\ TH \ 32 \\ B \ 14^{*} \\ B \ 16^{*} \\ B \ 20^{*} \\ B \ 20^{*} \\ B \ 20^{*} \\ B \ 20^{*} \\ F \ 18^{*} \\ F \ 20^{*} \\ H \ 14^{*} \\ H \ 16^{*} \\ H \ 18^{*} \\ H \ 20^{*} \\ H \ 32 \\ TH \ 16^{*} \\ TH \ 20^{*} \\ TH \ 32 \\ TH \ 40 \\ TH \ 50 \ (S) \\ TH \ 50 \ (S) \\ TH \ 50 \ (S) \\ U \ 14^{*} \\ \end{array}$	570470           570475           570845           570850           570860           570870           570725           570340           570320           570340           570350           570320           570340           570350           570380           570460           570465           570465           570470           570480           570485           572400           572405           572405	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS Sa.MI plastic	$\begin{array}{c} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ H \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ TH \ 14^{\circ} \\ TH \ 16^{\circ} \\ TH \ 20^{\circ} \ 20^{\circ} \\ TH \ 20^{\circ} \ 20^{\circ} \\ TH \ 20^{\circ} \ 20^$	574524 574528 574528 574528 570460 570465 570470 570470 570475 570480 570485 570470 570470 570470 570470 570470 570475 570470 570455 570460 570465 570460 570475 570480 570485 570480 570480 570480 570480 570480 572400 570480
LYSAN hdelsges. .H. & Co KG ems/Öster- h) LYSAN- itahl-Press- item V LYSAN hdelsges. .H. & Co KG ems/Öster- h) LYSAN- islanl- ss-System	$\begin{array}{l} {\rm M} 15 \ 45^\circ \ (PR-2B)^3) \\ {\rm M} 18 \ 45^\circ \ (PR-2B)^3) \\ {\rm M} 22 \ 45^\circ \ (PR-2B)^3) \\ {\rm M} 28 \ 45^\circ \ (PR-2B)^3) \\ {\rm M} 28 \ 45^\circ \ (PR-2B)^3) \\ {\rm V} 15 \ {\rm V} 18 \\ {\rm V} 22 \\ {\rm V} 28 \\ {\rm V} 35 \\ {\rm V} 42 \\ {\rm V} 54 \\ {\rm V} 15 \ 45^\circ \ (PR-2B)^3) \\ {\rm V} 18 \ 45^\circ \ (PR-2B)^3) \\ {\rm V} 18 \ 45^\circ \ (PR-2B)^3) \\ {\rm V} 22 \ 45^\circ \ (PR-2B)^3) \\ {\rm V} 22 \ 45^\circ \ (PR-2B)^3) \\ {\rm V} 23 \ 45^\circ \ (PR-2B)^3) \\ {\rm V} 24 \ 45^\circ \ (PR-2B)^3) \\ {\rm M} 15 \ 45^\circ \ (PR-2B)^3) \\ {\rm M} 18 \\ {\rm M} 22 \\ {\rm M} 28 \\ {\rm M} 35 \\ {\rm M} 42 \ (PR-3S)^3) \\ {\rm M} 15 \ 45^\circ \ (PR-2B)^3) \\ {\rm M} 18 \ (PR-2B)^3)$	572708 574522 574524 574528 574528 570115 570125 570125 570135 570145 570155 570155 570165 570175 574506 574506 574508 574510 574506 574512 570110 570120 570130 570150 570150 572706 572708 572708 574522 574524 574526		TH 20* TH 20* TH 26* TH 32 B 14* B 16* B 20* B 20* B 20* F 16* F 18* F 20* H 14* H 16* H 20* H 32 TH 18* H 20* H 32 TH 16* TH 16* TH 16* TH 32 TH 32 TH 40 TH 50 (S) TH 63 (S) U 14* U 16*	570470           570475           570480           570845           570850           570860           570720           570720           570720           570720           570720           570720           570320           570340           570350           570370           570380           570465           570460           570465           570485           570485           572400           572405           570760           570760	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS Sa.MI plastic	$\begin{array}{c} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ TH \ 48^{\circ} \ (PR-2B)^{\circ} \\ TH \ 40^{\circ} \ TH \ 40^{\circ} \\ TH \ 40^{\circ} \ TH \ 40^{\circ} \\ TH \ 40^{\circ} \ TH \ 40^{\circ} \\ TH \ 48^{\circ} \ TH \ 48^{\circ} \\ TH \ 48^{\circ} \ TH \ 42^{\circ} \\ TH \ 40^{\circ} \ TH \ 40^{\circ} \\ TH \ 50^{\circ} \ (S) \ TH \ 48^{\circ} \ TH \ 40^{\circ} \\ TH \ 50^{\circ} \ (S) \ TH \ 40^{\circ} \\ TH \ 50^{\circ} \ (S) \ TH \ 40^{\circ} \\ TH \ 40^{\circ} \ 50^{\circ} \ 50^{\circ} \ 50^{\circ} \\ TH \ 40^{\circ} \ 50^{\circ} \ 50^{$	574524 574528 574528 574528 574528 570460 570465 570470 570475 570480 570485 570480 570480 570470 570475 570480 570460 570470 570485 570470 570485 570470 570485 570470 570485 570470 570485 570470 570485 570470 570485 570470 570485 570480 572400 572400 572400 572400 572400 572400 572400 572400 572400 572400 572400 570475 570480 570485 570485 570480 570485 570480 572400 572400 572400 572400 572400 572400 572400 572400 570485 570485 570485 570480 570485 570485 570480 570485 570480 570475 570480 570470 570470 570470 570470 570470 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570470 570480
tem M LYSAN delsges. .H. & Co KG ms/Öster- h) LYSAN- tahl-Press- tem V LYSAN idelsges. .H. & Co KG ms/Öster- h) LYSAN- idelsges. .H. & Co KG idelsges. .H. & So	$\begin{array}{l} {\rm M \ 15} \ 45^\circ \ (PR-2B)^3) \\ {\rm M \ 18} \ 45^\circ \ (PR-2B)^3) \\ {\rm M \ 28} \ 45^\circ \ (PR-2B)^3) \\ {\rm M \ 28} \ 45^\circ \ (PR-2B)^3) \\ {\rm V \ 15} \\ {\rm V \ 15} \\ {\rm V \ 22} \\ {\rm V \ 22} \\ {\rm V \ 22} \\ {\rm V \ 24} \\ {\rm V \ 22} \\ {\rm V \ 24} \\ {\rm V \ 26} \\ {\rm M \ 24} \\ {\rm (PR-2B)^3)} \\ {\rm M \ 18} \\ {\rm M \ 24} \\ {\rm (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm V \ 27} \\ {\rm (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm 16^\circ \ 24^\circ \ 24^\circ$	572708 574522 574524 574528 574528 574530 570115 570125 570135 570145 570155 570155 570165 570175 574506 574508 574506 574508 574512 574508 574512 570130 57010 57010 57010 57010 570150 572708 572708 574522 574522 574528		$\begin{array}{c} TH \ 20^{\circ} \\ TH \ 20^{\circ} \\ TH \ 32 \\ B \ 14^{\circ} \\ B \ 16^{\circ} \\ B \ 20^{\circ} \\ F \ 18^{\circ} \\ F \ 20^{\circ} \\ H \ 14^{\circ} \\ H \ 16^{\circ} \\ H \ 14^{\circ} \\ H \ 20^{\circ} \$	570470           570475           570845           570850           570870           570870           57070           570720           570720           570720           570310           570320           570350           570370           570380           570465           570470           570470           570485           570480           570485           570480           570480           570480           570485           570400           572405           570760           570765           570770	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS Sa.MI plastic	M 22 45° (PR-2B) <sup>30</sup> M 28 45° (PR-2B) <sup>30</sup> M 35 45° (PR-2B) <sup>30</sup> TH 14° TH 16° TH 20° TH 20° TH 20° TH 20° TH 32 TH 40 TH 32 TH 40 TH 33 (S) TH 16° TH 20° TH 16° TH 20° TH 14° TH 14° TH 16° TH 20° TH 20° TH 40 TH 20° TH 20° TH 40 TH 20° TH 20° TH 40 TH 20° TH 20° TH 40 TH 40° TH 4	574524 574528 574528 574528 574528 570460 570465 570470 570475 570480 572400 572400 572400 572400 570475 570470 570475 570470 570476 570470 570475 570480 570485 570480 570475 570480 570470 570475 570480 570475 570480 570475 570470 570475 570470 570475 570470 570470 570470 570470 570470 570470 570470 570475 570480 570470 570475 570480 570470 570475 570480 570470
tem M LYSAN Idelsges. .H. & Co KG ims/Öster- h) LYSAN- itahl-Press- tem V LYSAN Idelsges. .H. & Co KG ims/Öster- h) LYSAN- istahl ss-System sser	$\begin{array}{l} {\rm M}\;15\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;18\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;22\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;28\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;28\;45^\circ\;({\rm PR-2B})^3\\ {\rm V}\;15\\ {\rm V}\;15\\ {\rm V}\;15\\ {\rm V}\;22\\ {\rm V}\;28\\ {\rm V}\;22\\ {\rm V}\;28\\ {\rm V}\;25\\ {\rm V}\;42\\ {\rm V}\;54\\ {\rm V}\;15\;45^\circ\;({\rm PR-2B})^3\\ {\rm V}\;18\;45^\circ\;({\rm PR-2B})^3\\ {\rm V}\;18\;45^\circ\;({\rm PR-2B})^3\\ {\rm V}\;28\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;15\\ {\rm M}\;18\\ {\rm M}\;22\\ {\rm M}\;28\\ {\rm M}\;35\\ {\rm M}\;42\;({\rm PR-3S})^3\\ {\rm M}\;15\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;22\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;22\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;22\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;22\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;23\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;23\;45^\circ\;({\rm PR-2B})^3\\ {\rm M}\;35\;45^\circ\;({\rm M}\;35\;45^\circ\;$	572708 574522 574524 574526 574528 574530 570115 570125 570135 570145 570145 570165 570165 570165 574504 574506 574506 574504 574505 574510 574510 570110 570120 570130 570140 570150 572706 572708 574522 574524 574526 574528 574528 574530	RBM Tita-fix	$\begin{array}{c} TH \ 20^{*} \\ TH \ 20^{*} \\ TH \ 32 \\ B \ 14^{*} \\ B \ 16^{*} \\ B \ 18^{*} \\ B \ 20^{*} \\ B \ 20^{*} \\ B \ 20^{*} \\ F \ 18^{*} \\ F \ 20^{*} \\ H \ 14^{*} \\ H \ 16^{*} \\ H \ 18^{*} \\ H \ 20^{*} \\ TH \ 16^{*} \\ TH \ 16^{*} \\ TH \ 16^{*} \\ TH \ 16^{*} \\ TH \ 20^{*} \\ TH \ 20^{*} \\ TH \ 20^{*} \\ TH \ 20^{*} \\ TH \ 50 \ (S) \\ TH \ 50 \ (S) \\ TH \ 50 \ (S) \\ U \ 14^{*} \\ U \ 16^{*} \\ U \ 16^{*} \\ U \ 20^{*} \\ \end{array}$	570470           570475           570845           570850           570870           570870           570720           570725           570310           570320           570350           570340           570320           570320           570340           570350           570465           570465           570465           570470           570475           570480           572405           572405           570760           570765           570770           570775	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS Sa.MI plastic Sa.MI plastic Multistrato Gas	$\begin{array}{c} M \ 22 \ 45^\circ \ (PR-2B)^{(s)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{(s)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{(s)} \\ M \ 35 \ 45^\circ \ (PR-2B)^{(s)} \\ TH \ 14^\circ \ 14$	574524 574528 574528 574528 570460 570465 570470 570470 570485 570470 570485 570480 570480 570470 570475 570470 570475 570460 570460 570475 570480 570485 570460 570475 570480 570475 570475 570480 570475 570480 570475 570475 570480 570475 570475 570480 570475 570480 570475 570475 570475 570480 570475 570475 570480 570475 570480 570475 570475 570480 570475 570470 570475 570475 570480 570475 570480 570475 570470 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480 570470 570475 570480 570470 570470 570470 570470 570470 570470 570470 570470 570470 570470 570470 570470 570470 570470 570470 570470 570475 570480 570470 570470 570470 570475 570480 570470 570470 570475 570480 570470 570475 570470 570475 570470 570475 570470 570475 570470 570475 570470 570475 570470 570475 570475 570470 570475 570475 570470 570475
LYSAN ndelsges. .H. & Co KG ems/Oster- .h) LYSAN- tahl-Press- tem V LYSAN delsges. o.H. & Co KG ems/Oster- .h) LYSAN- lstahl ss-System sser	$\begin{array}{l} {\rm M \ 15} \ 45^\circ \ (PR-2B)^3) \\ {\rm M \ 18} \ 45^\circ \ (PR-2B)^3) \\ {\rm M \ 28} \ 45^\circ \ (PR-2B)^3) \\ {\rm M \ 28} \ 45^\circ \ (PR-2B)^3) \\ {\rm V \ 15} \\ {\rm V \ 15} \\ {\rm V \ 22} \\ {\rm V \ 22} \\ {\rm V \ 22} \\ {\rm V \ 24} \\ {\rm V \ 22} \\ {\rm V \ 24} \\ {\rm V \ 26} \\ {\rm M \ 24} \\ {\rm (PR-2B)^3)} \\ {\rm M \ 18} \\ {\rm M \ 24} \\ {\rm (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm V \ 27} \\ {\rm (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 24} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm 16^\circ \ 24^\circ \ 24^\circ$	572708 574522 574524 574528 574528 574530 570115 570125 570135 570145 570155 570155 570165 570175 574506 574508 574506 574508 574512 574508 574512 570130 57010 57010 57010 57010 570150 572708 572708 574522 574522 574528		TH 20* TH 20* TH 22* TH 32 B 14* B 16* B 20* B 20* B 20* F 16* F 18* F 20* H 14* H 16* H 20* H 20* H 20* H 32 TH 16* TH 32 TH 40 TH 50 (S) TH 63 (S) U 16* U 18* U 20* TH 16* TH 16* TH 16* TH 16* TH 6* TH 6* TH 16* TH 16* TH 50 (S) TH 63 (S) U 16* U 18* U 20* TH 16* TH 6* TH 16* TH 6* TH 65 (S) TH 63 (S) U 16* U 20* TH 16*	570470           570475           570480           570845           570850           570860           570720           570720           570720           570720           570320           570340           570350           570370           570370           570380           570460           570470           570485           570480           570480           570480           570480           570480           570760           570770           570770           570775           570460	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS Sa.MI plastic Multistrato Gas SANHA	$\begin{array}{c} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ H \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ H \ 35 \ 45^{\circ} \ (PR-2B)^{\circ} \\ H \ 45^{\circ} \ (PR-2B)^{\circ} \ (PR-2B)^{\circ} \\ H \ 45^{\circ} \ (PR-2B)^{\circ} \ (PR-2B)^{\circ}$	574524 574528 574528 574528 574528 570460 570465 570470 570475 570480 570485 570480 570470 570470 570475 570480 570460 570470 570470 570470 570485 570470 570485 570470 570485 570470 570470 570470 570475 570480 572400 572400 572400 572400 572405 570485 570475 570480 572400 572400 572405 570475 570480 570475 570485 570475 570480 570470 570470 570470 570470 570470 570470 570470 570470 570470 570470 570470 570470 570470 570480 570470 570480 570470 570480 570470 570480 570470 570480 570480 570480 570470 570480
ttem M LYSAN ndelsges. .H. & Co KG ems/Öster- th) LYSAN- stahl-Press- ttem V LYSAN ndelsges. .h. & Co KG ems/Öster- th) LYSAN- elstahl LYSAN ses-System sser	$\begin{array}{l} \mbox{M 15 45}^\circ (PR-2B)^3) \\ \mbox{M 18 45}^\circ (PR-2B)^3) \\ \mbox{M 22 45}^\circ (PR-2B)^3) \\ \mbox{M 28 45}^\circ (PR-2B)^3) \\ \mbox{V 15} \\ \mbox{V 15} \\ \mbox{V 22} \\ \mbox{V 35} \\ \mbox{V 42} \\ \mbox{V 35} \\ \mbox{V 42} \\ \mbox{V 54} \\ \mbox{V 15 45}^\circ (PR-2B)^3) \\ \mbox{V 15 45}^\circ (PR-2B)^3) \\ \mbox{V 18 45}^\circ (PR-2B)^3) \\ \mbox{V 28 45}^\circ (PR-2B)^3) \\ \mbox{V 28 45}^\circ (PR-2B)^3) \\ \mbox{V 28 45}^\circ (PR-2B)^3) \\ \mbox{M 15 } \\ \mbox{M 15 } \\ \mbox{M 22 } \\ \mbox{M 28 } \\ \mbox{M 28 } \\ \mbox{M 35 45}^\circ (PR-2B)^3) \\ \mbox{M 15 45}^\circ (PR-2B)^3) \\ \mbox{M 24 (PR-3S)}^3) \\ \mbox{M 24 (PR-3S)}^3) \\ \mbox{M 24 (PR-3S)}^3) \\ \mbox{M 24 (PR-3S)}^3) \\ \mbox{M 24 (PR-3B)}^3) \\ \mbox{M 25 45}^\circ (PR-2B)^3) \\ \mbox{M 26 (PR-2B)}^3) \\ \m$	572708 574522 574524 574526 574528 574528 570115 570125 570135 570145 570145 570165 570165 570175 574504 574506 574506 574510 574510 570100 570110 570120 570110 570120 570130 570140 570150 572706 572708 574522 574524 574528	RBM Tita-fix	$\begin{array}{c} TH \ 20^{*} \\ TH \ 20^{*} \\ TH \ 32 \\ B \ 14^{*} \\ B \ 16^{*} \\ B \ 18^{*} \\ B \ 20^{*} \\ B \ 20^{*} \\ B \ 20^{*} \\ B \ 20^{*} \\ F \ 20^{*} \\ F \ 18^{*} \\ F \ 20^{*} \\ H \ 14^{*} \\ H \ 16^{*} \\ H \ 20^{*} \\ H \ 32 \\ TH \ 16^{*} \\ TH \ 20^{*} \\ TH \ 20^{*} \\ TH \ 50 \ (S) \\ TH \ 50 \ (S) \\ U \ 18^{*} \\ U \ 16^{*} \\ U \ 20^{*} \\ TH \ 16^{*} \\ TH \ 20^{*} \\ Th \ 20^{*}$	570470           570475           570480           570845           570850           570850           570860           570725           570720           570320           570340           570320           570320           570320           570320           570320           570340           570350           570460           570465           570480           570480           570480           570480           570765           570760           570770           570460           570765           570760           570775           570460           570775           570460           570475	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS Sa.MI plastic Sa.MI plastic Multistrato Gas	$\begin{array}{c} M \ 22 \ 45^\circ \ (PR-2B)^{(s)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{(s)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{(s)} \\ M \ 35 \ 45^\circ \ (PR-2B)^{(s)} \\ H \ 35^\circ \ (PR-2B)^{(s)} \\ TH \ 45^\circ \ (PR-2B)^{(s)} \\ TH \ 40^\circ \ TH \ 20^\circ \\ TH \ 40^\circ \ TH \ 20^\circ \\ TH \ 40^\circ \ TH \ 45^\circ \ TH \ 45^\circ \\ TH \ 40^\circ \ TH \ 45^\circ \ TH \ 40^\circ \\ TH \ 40^\circ \ TH \ 40^\circ \ TH \ 45^\circ \ TH \ 40^\circ \\ TH \ 40^\circ \ TH \ 45^\circ \ TH \ 44^\circ \ 54^\circ \ 45^\circ \ 4$	574524 574528 574528 574528 574528 570460 570465 570470 570475 570480 570485 570480 570470 570475 570470 570475 570470 570475 570460 570465 570460 570475 570480 570485 570460 570475 570480 570485 570480 570475 570480 570485 570480 570485 570480 570485 570480 570470 570475 570480 570485 570480 570485 570480 570470 570475 570480 570485 570480 570485 570480 570470 570475 570480 570485 570480 570470 570475 570480 570480 570485 570480 570480 570485 570480 570470 570470 570480
LYSAN ndelsges. .H. & Co KG ems/Oster- .h) LYSAN- tahl-Press- tem V LYSAN ndelsges. o.H. & Co KG ems/Oster- .h) LYSAN- lstahl ss-System sser LYSAN- lstahl ss-System sser	$\begin{array}{l} {\rm M \ 15} \ 45^\circ \ (PR-2B)^3) \\ {\rm M \ 18} \ 45^\circ \ (PR-2B)^3) \\ {\rm M \ 22} \ 45^\circ \ (PR-2B)^3) \\ {\rm M \ 28} \ 45^\circ \ (PR-2B)^3) \\ {\rm M \ 28} \ 45^\circ \ (PR-2B)^3) \\ {\rm V \ 15} \\ {\rm V \ 18} \\ {\rm V \ 22} \\ {\rm V \ 28} \\ {\rm V \ 22} \\ {\rm V \ 24} \\ {\rm V \ 26} \\ {\rm (PR-2B)^3)} \\ {\rm V \ 28} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 15} \\ {\rm M \ 26} \\ {\rm (PR-3S)^3)} \\ {\rm M \ 15} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 26} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 26} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 28} \\ {\rm 45^\circ \ (PR-2B)^3)} \\ {\rm 16^\circ \ 28^\circ \ (PR-2B)^3)} \\ {\rm 16^\circ \ 28^\circ \ (PR-2B)^3)} \\ {\rm 16^\circ \ 28^\circ $	572708 574522 574524 574528 574528 574528 570115 570125 570135 570145 570145 570155 570165 570175 574506 574506 574508 574506 574510 57010 57010 57010 570150 570150 572706 572708 574522 574524 574526 574526 574526 574526 574525 574526 574525 574625 570460 570462 570465	RBM Tita-fix	TH 20* TH 20* TH 22* TH 32 B 14* B 16* B 20* B 20* F 26* F 18* F 20* H 14* H 16* H 20* H 20* H 20* H 20* H 20* H 32 TH 14* TH 16* TH 32 TH 40 TH 50 (S) TH 63 (S) U 14* U 18* U 20* TH 26* TH 26* TH 20* TH 26* TH 26* TH 20* TH 26* TH 20* TH 26* TH 20* TH 26* TH 20* TH 26* TH 20* TH 26* TH 26* TH 20* TH 20	570470           570475           570845           570850           570860           570870           570720           570720           570720           570720           570300           570310           570320           570370           570370           570380           5704455           570470           570470           570480           570485           570480           570765           570770           570460           570475           570480           570475           570480	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS Sa.MI plastic Multistrato Gas SANHA Sfit-Press	$\begin{array}{c} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ H \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ TH \ 14^{\circ} \\ TH \ 16^{\circ} \\ TH \ 20^{\circ} \\ TH \ 40^{\circ} \\ TH \ 20^{\circ} \ 20^{\circ$	574524 574528 574528 574528 574528 570460 570470 570475 570470 570475 570480 570480 570470 570470 570470 570470 570460 570460 570470 570480 570470 570485 570470 570485 570470 570475 570480 570475 570480 570475 570470 570475 570475 570470 570475 570470 570475 570470 570475 570470 570475 570470 570475 570470 570475 570470 570475 570470 570475 570470 570475 570470 570470 570475 570470 570470 570470 570470 570475 570470 570470 570470 570475 570470
LYSAN hdelsges. h.H. & Co KG ems/Oster- h) LYSAN- tiahl-Press- tem V LYSAN hdelsges. h.H. & Co KG ems/Oster- h) LYSAN- ess-System sser LYSAN hdelsges. h.H. & Co KG ems/Oster- h) LYSAN- hdelsges. h.H. & Co KG ems/Oster- h)	$\begin{array}{l} M \ 15 \ 45^\circ \ (PR-2B)^3) \\ M \ 18 \ 45^\circ \ (PR-2B)^3) \\ M \ 22 \ 45^\circ \ (PR-2B)^3) \\ M \ 25 \ 45^\circ \ (PR-2B)^3) \\ V \ 15 \\ V \ 15 \\ V \ 15 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 42$	572708 574522 574524 574528 574528 574530 570115 570125 570135 570145 570155 570165 570175 574504 574506 574508 574508 574512 570150 570120 570120 570130 570120 570130 570120 570150 570150 570150 570150 570150 570150 570452 574524 574528 57457 570465 570470	RBM Tita-fix	TH 20*         TH 26*         TH 32         B 14*         B 16*         B 18*         B 20*         B 26         F 16*         F 18*         F 20*         H 14*         H 16*         H 18*         H 20*         H 26*         TH 32         TH 48*         TH 20*         TH 26*         TH 32         TH 60 (S)         U 16*         U 18*         U 20*         TH 40	570470           570475           570845           570850           570870           570870           570720           570725           570310           570320           570350           570350           570455           570320           570320           570350           570465           570465           570470           570480           570485           570760           570770           570770           570470           570470           570770           570770           570470           570470           570470           570470           570480           570470           570470           570470           570470           570480           570470           570480           570480           570480           570480           570480           570480           570480           570480           57	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS Sa.MI plastic Multistrato Gas SANHA Sfit-Press	$\begin{array}{l} M \ 22 \ 45^\circ \ (PR-2B)^{\circ)} \\ M \ 22 \ 45^\circ \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^\circ \ (PR-2B)^{\circ)} \\ TH \ 28^\circ \ (PR-2B)^{\circ)} \\ TH \ 28^\circ \ (PR-2B)^{\circ} \ (PR-2B)^{\circ$	574524 574528 574528 574528 574528 570460 570470 570475 570480 570485 570480 572400 572400 572400 570475 570470 570476 570476 570470 570476 570480 570480 570485 570460 570470 570470 570470 570485 570480 570485 570480 570485 570480 570470
LYSAN hdelsges. h.H. & Co KG ems/Öster- h) LYSAN- stahl-Press- stem V LYSAN hdelsges. h.H. & Co KG ems/Öster- h) LYSAN- lastahl LYSAN sser LYSAN hadelsges. h.H. & Co KG ems/Öster- h) LYSAN- lastahl LYSAN LYSAN LYSAN LYSAN LYSAN	$\begin{array}{l} {\rm M \ 15 \ 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 18 \ 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 28 \ 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 28 \ 45^\circ \ (PR-2B)^3)} \\ {\rm V \ 15 \ } \\ {\rm V \ 15 \ } \\ {\rm V \ 15 \ } \\ {\rm V \ 22 \ } \ \ 22 \ \\ {\rm V \ 22 \ } \\ {\rm V \ 22 \ } \ \ 22 \ \ 23$	572708           574522           574524           574526           574528           574528           570155           570145           570155           570155           574504           570155           574504           574504           574505           574504           574504           574505           574504           574504           574505           574506           574510           574512           570110           570120           570140           570150           572706           572708           574524           574524           574528           574528           574528           570460           570462           570462           570462           570465           570470           570475	RBM Tita-fix	$\begin{array}{c} TH \ 20^* \\ TH \ 20^* \\ TH \ 32 \\ B \ 14^* \\ B \ 16^* \\ B \ 18^* \\ B \ 20^* \\ B \ 20^* \\ B \ 20^* \\ F \ 18^* \\ F \ 20^* \\ H \ 14^* \\ H \ 16^* \\ H \ 18^* \\ H \ 20^* \\ H \ 32 \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 20^* \\ TH \ 50 \ (S) \\ U \ 18^* \\ U \ 16^* \\ U \ 18^* \\ U \ 20^* \\ TH \ 50^* \\ 50^* \\ TH \ 50^* \\ TH$	570470           570475           570480           570850           570850           570860           570720           570725           570340           570320           570320           570340           570320           570320           570320           570340           570460           570460           570465           570460           570480           570480           570765           570760           570770           570460           570765           570760           570775           570460           570470           570470           570460           570775           570460           570475           570480           570480           570480           570485           570485           570485           570485           572400	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS Sa.MI plastic Multistrato Gas SANHA Sfit-Press	$\begin{array}{l} M \ 22 \ 45^\circ \ (PR-2B)^\circ) \\ M \ 28 \ 45^\circ \ (PR-2B)^\circ) \\ M \ 28 \ 45^\circ \ (PR-2B)^\circ) \\ M \ 35 \ 45^\circ \ (PR-2B)^\circ) \\ TH \ 44^\circ \ (PR-2B)^\circ) \\ TH \ 45^\circ \ (PR-2B)^\circ) \\ TH \ 40^\circ \ (PR-2B)^\circ \ (PR-2B)^\circ \\ TH \ 40^\circ \ (PR-2B)^\circ \ (PR-2B)^\circ \\ TH \ 40^\circ \ (PR-2B)^\circ \ (PR-2B)^$	574524 574528 574528 574528 574528 574528 570460 570465 570470 570475 570480 570470 570470 570470 570470 570470 570475 570480 570470 570475 570480 570470 570475 570480 570480 570475 570480 570475 570480 570475 570480 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480
LYSAN hdelsges. h.H. & Co KG ems/Öster- h) LYSAN- stahl-Press- stem V LYSAN hdelsges. h.H. & Co KG ems/Öster- h) LYSAN- lastahl LYSAN sser LYSAN hadelsges. h.H. & Co KG ems/Öster- h) LYSAN- lastahl LYSAN LYSAN LYSAN LYSAN LYSAN	$\begin{array}{l} M \ 15 \ 45^\circ \ (PR-2B)^3) \\ M \ 18 \ 45^\circ \ (PR-2B)^3) \\ M \ 22 \ 45^\circ \ (PR-2B)^3) \\ M \ 25 \ 45^\circ \ (PR-2B)^3) \\ M \ 25 \ 45^\circ \ (PR-2B)^3) \\ V \ 15 \\ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 54 \\ V \ 15 \ 45^\circ \ (PR-2B)^3) \\ V \ 18 \ 45^\circ \ (PR-2B)^3) \\ V \ 24 \ 45^\circ \ (PR-2B)^3) \\ V \ 25 \ 45^\circ \ (PR-2B)^3) \\ M \ 15 \ 45^\circ \ (PR-2B)^3) \\ M \ 24 \ 45^\circ \ (PR-2B)^3) \\ M \ 24 \ 45^\circ \ (PR-2B)^3) \\ M \ 25 \ 45^\circ \ (PR-2B)^3) \\ M \ 25 \ 45^\circ \ (PR-2B)^3) \\ M \ 25 \ 45^\circ \ (PR-2B)^3) \\ M \ 26 \ (PR-2B)^3) \ (PR-$	572708 574522 574524 574528 574528 574528 570115 570125 570135 570145 570145 570155 570165 570175 574506 574508 574506 574508 574506 574510 57010 57010 57010 57010 570150 572706 577208 574522 574524 574526 574525 574526 574526 574525 574625 570460 570465 570470 570475 570480	RBM Tita-fix	$\begin{array}{c} TH 20^{\circ} \\ TH 26^{\circ} \\ TH 32 \\ B 14^{\circ} \\ B 16^{\circ} \\ B 20^{\circ} \\ B 26 \\ F 16^{\circ} \\ F 18^{\circ} \\ F 20^{\circ} \\ H 14^{\circ} \\ H 14^{\circ} \\ H 16^{\circ} \\ H 14^{\circ} \\ H 20^{\circ} \\ H 20^{\circ} \\ H 20^{\circ} \\ H 32 \\ TH 14^{\circ} \\ H 20^{\circ} \\ H 32 \\ TH 14^{\circ} \\ TH 20^{\circ} \\ H 32 \\ TH 48^{\circ} \\ TH 20^{\circ} \\ H 32 \\ TH 48^{\circ} \\ TH 32 \\ TH 40 \\ TH 50 (S) \\ U 14^{\circ} \\ U 18^{\circ} \\ U 20^{\circ} \\ TH 32 \\ TH 40 \\ TH 20^{\circ} \\ TH 20^{\circ} \\ TH 32 \\ TH 40 \\ TH 50 (S) \\ TH 40 \\ TH 50 (S) \\ TH 40 \\ TH 50 (S) \\ TH 63 \\ S) \\ S \\ TH 40 \\ TH 50 (S) \\ TH 63 \\ S \\ S \\ S \\ TH 63 \\ S \\ S \\ S \\ TH 63 \\ S \\ S \\ S \\ TH 63 \\ S \\ S \\ S \\ TH 63 \\ S \\ S \\ S \\ TH 63 \\ S \\ S \\ S \\ S \\ S \\ TH 63 \\ S \\ S \\ S \\ S \\ S \\ S \\ TH 50 \\ S \\ $	570470           570475           570845           570850           570850           570860           570870           570715           570720           570310           570320           570350           570340           570350           570455           570460           570470           570470           570485           570480           570760           570770           570770           570770           570470           570780           570780           570780           570780           570770           570770           570470           570485           570480           570480           570485           570480           570485           570480           570485           570480           570485           572400           572405           572405	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS Sa.MI plastic Multistrato Gas SANHA Sfit-Press	$\begin{array}{c} M \ 22 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 28 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ M \ 35 \ 45^{\circ} \ (PR-2B)^{\circ)} \\ H \ 35^{\circ} \ 45^{\circ} \ (PR-2B)^{\circ)} \\ H \ 35^{\circ} \ 45^{\circ} \ (PR-2B)^{\circ} \\ H \ 40^{\circ} \ 11^{\circ} \ 45^{\circ} \ 11^{\circ} \\ H \ 32^{\circ} \ 11^{\circ} \ 45^{\circ} \ 11^{\circ} \\ H \ 32^{\circ} \ 11^{\circ} \ 11^{\circ} \ 11^{\circ} \\ H \ 32^{\circ} \ 11^{\circ} \ 11^{\circ} \ 11^{\circ} \\ H \ 32^{\circ} \ 11^{\circ} \ 11^{\circ} \ 11^{\circ} \\ H \ 32^{\circ} \ 11^{\circ} \ 1$	574524 574528 574528 574528 574528 570460 570470 570475 570470 570475 570480 570475 570480 570470 570470 570476 570460 570460 570470 570480 570470 570485 570470 570485 570470 570475 570480 570470 570480 570475 570480 570470 570480 570470 570480 570470 570480 570470 570480 570470 570480 570470 570480 570480 570470 570480 570470 570480 570470 570480 570470 570480 570470 570480 570480 570480 570480 570480 570470 570480
Itahl-Press- stem M LYSAN delsges. b.H. & Co KG ems/Öster- th) LYSAN- itahl-Press- stem V LYSAN delsges. b.H. & Co KG ems/Öster- th) LYSAN- lestahl urSAN- lestahl urSAN- lestahl urSAN- lestahl urSAN- sser	$\begin{array}{l} {\rm M \ 15 \ 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 18 \ 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 28 \ 45^\circ \ (PR-2B)^3)} \\ {\rm M \ 28 \ 45^\circ \ (PR-2B)^3)} \\ {\rm V \ 15 \ } \\ {\rm V \ 15 \ } \\ {\rm V \ 15 \ } \\ {\rm V \ 22 \ } \ \ 22 \ \\ {\rm V \ 22 \ } \\ {\rm V \ 22 \ } \ \ 22 \ \ 23$	572708           574522           574524           574526           574528           574528           570155           570145           570155           570155           574504           570155           574504           574504           574505           574504           574504           574505           574504           574504           574505           574506           574510           574512           570110           570120           570140           570150           572706           572708           574524           574524           574528           574528           574528           570460           570462           570462           570462           570465           570470           570475	RBM Tita-fix	$\begin{array}{c} TH \ 20^* \\ TH \ 20^* \\ TH \ 32 \\ B \ 14^* \\ B \ 16^* \\ B \ 18^* \\ B \ 20^* \\ B \ 20^* \\ B \ 20^* \\ F \ 18^* \\ F \ 20^* \\ H \ 14^* \\ H \ 16^* \\ H \ 18^* \\ H \ 20^* \\ H \ 32 \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 20^* \\ TH \ 50 \ (S) \\ U \ 18^* \\ U \ 16^* \\ U \ 18^* \\ U \ 20^* \\ TH \ 50^* \\ 50^* \\ TH \ 50^* \\ TH$	570470           570475           570480           570850           570850           570860           570720           570725           570340           570320           570320           570340           570320           570320           570320           570340           570460           570460           570465           570460           570480           570480           570765           570760           570770           570460           570765           570760           570775           570460           570470           570470           570460           570775           570460           570475           570480           570480           570480           570485           570485           570485           570485           572400	Bresciane Bonomi TURBO PRESS Rubinetterie Bresciane Bonomi TURBO PRESS GAS Sa.MI plastic Multistrato Gas SANHA Sfit-Press	$\begin{array}{l} M \ 22 \ 45^\circ \ (PR-2B)^\circ) \\ M \ 28 \ 45^\circ \ (PR-2B)^\circ) \\ M \ 28 \ 45^\circ \ (PR-2B)^\circ) \\ M \ 35 \ 45^\circ \ (PR-2B)^\circ) \\ TH \ 44^\circ \ (PR-2B)^\circ) \\ TH \ 45^\circ \ (PR-2B)^\circ) \\ TH \ 40^\circ \ (PR-2B)^\circ \ (PR-2B)^\circ \\ TH \ 40^\circ \ (PR-2B)^\circ \ (PR-2B)^\circ \\ TH \ 40^\circ \ (PR-2B)^\circ \ (PR-2B)^$	574524 574528 574528 574528 574528 574528 570460 570465 570470 570475 570480 570470 570470 570470 570470 570470 570475 570480 570470 570475 570480 570470 570475 570480 570480 570475 570480 570475 570480 570475 570480 570480 570475 570480 570475 570480 570475 570480 570475 570480 570475 570480

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
SANHA-Press	SA 12	570930	SANHA-NiroSan-	•	570935	SANHA-	SA 12	570930
Chrom	SA 15	570935	Presssystem	SA 18	570940	Pressfittings Gas	SA 14	570932
Serie 16000	SA 18	570940	Serie 19000	SA 22	570945	Serie 10000/	SA 15	570935
	SA 22	570945	(silicone free)	SA 28	570950	Serie 11000	SA 16	570937
	SA 28 M 12	570950 570100	(000110 1100)	SA 35	570955		SA 18	570940
	M 12 M 15	570100		SA 42 (PR-3S) <sup>3)</sup>	572710		SA 22	570945
	M 18	570120		SA 54 (PR-3S) <sup>3)</sup>	572712		SA 28	570950
	M 22	570130					SA 35	570955
	M 28	570140		M 15	570110		SA 42 (PR-3S) <sup>3)</sup>	572710
	M 12 45° (PR-2B) <sup>3)</sup>	574520		M 18	570120		SA 54 (PR-3S) <sup>3)</sup>	572712
	M 15 45° (PR-2B) <sup>3)</sup>	574522		M 22	570130		M 12	570100
	M 18 45° (PR-2B) <sup>3)</sup>	574524		M 28	570140		M 15	570110
	M 22 45° (PR-2B) <sup>3</sup>	574526		M 35	570150		M 18	570120
	M 28 45° (PR-2B) <sup>3)</sup> V 12	574528 570107		M 42 (PR-3S) <sup>3)</sup>	572706		M 22	570130
	V 15	570115		M 54 (PR-3S) <sup>3)</sup>	572708		M 28	570140
	V 18	570125		M 15 45° (PR-2B) <sup>3)</sup>	574522		M 35	570150
	V 22	570135		M 18 45° (PR-2B)3)	574524		M 42 (PR-3S) <sup>3)</sup>	572706
	V 28	570145		M 22 45° (PR-2B)3)	574526		M 54 (PR-3S) <sup>3)</sup>	572708
	V 12 45° (PR-2B) <sup>3)</sup>	574502		M 28 45° (PR-2B)3)	574528		M 12 45° (PR-2B) <sup>3)</sup>	574520
	V 15 45° (PR-2B) <sup>3)</sup>	574504		M 35 45° (PR-2B)3)	574530		M 15 45° (PR-2B) <sup>3)</sup>	574522
	V 18 45° (PR-2B) <sup>3)</sup>	574506		V 15	570115		M 18 45° (PR-2B) <sup>3)</sup>	574524
	V 22 45° (PR-2B) <sup>3</sup> V 28 45° (PR-2B) <sup>3</sup>	574508 574510		V 18	570125		M 22 45° (PR-2B) <sup>3)</sup>	574526
ANHA-NiroSan-	SA 15	570935		V 22	570135		M 28 45° (PR-2B) <sup>3)</sup>	574528
resssystem	SA 18	570940					M 35 45° (PR-2B) <sup>3)</sup>	574530
serie 9000	SA 22	570945		V 28	570145		V 12	570107
	SA 28	570950		V 35	570155		V 14	570112
	SA 35	570955		V 42	570165		VG 14	570132
	SA 42 (PR-3S) <sup>3)</sup>	572710		V 54	570175		V 15	570115
	SA 54 (PR-3S) <sup>3)</sup>	572712		V 15 45° (PR-2B) <sup>3)</sup>	574504		V 16	570117
	M 15 M 18	570110 570120		V 18 45° (PR-2B) <sup>3)</sup>	574506		VG 16	570137
	M 22	570120		V 22 45° (PR-2B) <sup>3)</sup>	574508		V 18	570125
	M 28	570140		V 28 45° (PR-2B) <sup>3)</sup>	574510		V 22	570135
	M 35	570150		V 35 45° (PR-2B) <sup>3)</sup>	574512		V 28	570145
	M 42 (PR-3S) <sup>3)</sup>	572706	SANHA-	SA 12	570930		V 35	570155
	M 54 (PR-3S) <sup>3)</sup>	572708	Pressfittings	SA 14	570932		V 42	570165
	M 15 45° (PR-2B) <sup>3)</sup>	574522	Serie 6000/	SA 15	570935		V 54	570175
	M 18 45° (PR-2B) <sup>3)</sup>	574524	Serie 8000	SA 16	570937		V 12 45° (PR-2B) <sup>3)</sup>	574502
	M 22 45° (PR-2B) <sup>3</sup> M 28 45° (PR-2B) <sup>3</sup>	574526 574528		SA 18	570940		V 15 45° (PR-2B) <sup>3)</sup>	574504
	M 35 45° (PR-2B) <sup>3</sup>	574530		SA 22	570945		V 18 45° (PR-2B) <sup>3)</sup>	574506
	V 15	570115		SA 28	570950		V 22 45° (PR-2B) <sup>3)</sup>	574508
	V 18	570125		SA 35	570955		V 28 45° (PR-2B) <sup>3)</sup>	574510
	V 22	570135					V 35 45° (PR-2B) <sup>3)</sup>	574512
	V 28	570145		SA 42 (PR-3S) <sup>3)</sup>	572710	SANHA-	SA 12	570930
	V 35	570155		SA 54 (PR-3S) <sup>3)</sup>	572712	Pressfittings	SA 15	570935
	V 42	570165		M 12	570100	Solar	SA 18	570940
	V 54 V 15 45° (PR-2B) <sup>3)</sup>	570175		M 15	570110	Serie 12000/	SA 22	570945
	V 18 45° (PR-2B) <sup>3</sup>	574504 574506		M 18	570120	Serie 13000	SA 28	570950
	V 22 45° (PR-2B) <sup>3)</sup>	574508		M 22	570130		SA 35	570955
	V 28 45° (PR-2B) <sup>3)</sup>	574510		M 28	570140		SA 42 (PR-3S) <sup>3)</sup>	572710
	V 35 45° (PR-2B) <sup>3)</sup>	574512		M 35	570150		SA 54 (PR-3S) <sup>3)</sup>	572712
ANHA-NiroSan-	SA 15	570935		M 42 (PR-3S)3)	572706		M 12	570100
resssystem Gas	SA 18	570940		M 54 (PR-3S)3)	572708		M 15	570110
erie 17000	SA 22	570945		M 12 45° (PR-2B)3)	574520		M 18	570120
	SA 28 SA 35	570950 570955		M 15 45° (PR-2B)3)	574522		M 22	570130
	SA 35 SA 42 (PR-3S) <sup>3)</sup>	572710		M 18 45° (PR-2B)3)			M 28	570140
	SA 54 (PR-3S) <sup>3)</sup>	572712		M 22 45° (PR-2B) <sup>3)</sup>			M 35	570150
	M 15	570110		M 28 45° (PR-2B) <sup>3)</sup>			M 42 (PR-3S) <sup>3)</sup>	572706
	M 18	570120		M 35 45° (PR-2B) <sup>3</sup>			M 54 (PR-3S) <sup>3)</sup>	572708
	M 22	570130		V 12	570107		M 12 45° (PR-2B) <sup>3</sup>	
	M 28	570140					M 15 45° (PR-2B) <sup>3</sup>	
	M 35	570150		V 14	570112 570122		M 18 45° (PR-2B) <sup>3)</sup>	
	M 42 (PR-3S) <sup>3)</sup> M 54 (PR-3S) <sup>3)</sup>	572706 572708		VG 14	570132		M 22 45° (PR-2B) <sup>3</sup>	
	M 15 45° (PR-2B) <sup>3</sup>	574522		V 15	570115		M 28 45° (PR-2B) <sup>3)</sup>	574528
	M 18 45° (PR-2B) <sup>3)</sup>	574524		V 16	570117		M 35 45° (PR-2B) <sup>3)</sup>	574530
	M 22 45° (PR-2B)3)	574526		VG 16	570137		V 12	570107 570115
	M 28 45° (PR-2B) <sup>3)</sup>	574528		V 18	570125		V 15	570115 570125
	M 35 45° (PR-2B) <sup>3)</sup>			V 22	570135		V 18 V 22	570125 570135
	V 15	570115		V 28	570145			570135
	V 18	570125		V 35	570155		V 28	570145
	V 22 V 28	570135 570145		V 42	570165		V 35	570155
	V 28 V 35	570145		V 54	570175		V 42	570165
	V 42	570165		V 12 45° (PR-2B) <sup>3)</sup>	574502		V 54	570175
	V 54	570175		V 15 45° (PR-2B) <sup>3)</sup>	574504		V 12 45° (PR-2B) <sup>3)</sup>	574502
	V 15 45° (PR-2B) <sup>3)</sup>	574504		V 18 45° (PR-2B) <sup>3</sup>	574506		V 15 45° (PR-2B) <sup>3)</sup>	574504
	V 18 45° (PR-2B) <sup>3)</sup>	574506		V 18 45 (PR-2B) <sup>3</sup>			V 18 45° (PR-2B) <sup>3)</sup>	574506
	V 22 45° (PR-2B)3)	574508			574508		V 22 45° (PR-2B) <sup>3)</sup>	574508
	V 28 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup>	574510		V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup>	574510 574512		V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup>	574510 574512

Pressfitting systems for gas installations must only be pressed with pressing tongs/pressing rings which are highlighted in yellow. Observe the national regulations.

\* These pressing tongs also fit the manual radial press REMS Eco-Press. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw.

<sup>2)</sup> For this pressfitting system producing a pressing joint with manual radial presses is not permitted.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 158.

<sup>4)</sup> Press fittings made of red bronze (ProPress XL) must be pressed with pressing rings with press contour VUSR, copper fittings (ProPress XL-C)

and stainless steel fittings (ProPress XL-S) with pressing rings with press contour VUSF.

<sup>5)</sup> For taking suitable pressing inserts.

<sup>6)</sup> Press fittings made of red bronze (Sanpress XL) must be pressed with pressing rings with press contour VR, copper fittings (Profipress XL, Profipress G XL), carbon steel (Prestabo XL) and stainless steel fittings (Sanpress Inox XL, Sanpress Inox G XL) with pressing rings with press contour VF.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
ANHA-	SA 12	570930	SANHA-Therm	SA 12	570930	Seppelfricke	TH 14*	570455
ressfittings	SA 15	570935	Serie 24000	SA 15	570935	Sudopress SKIN	TH 16*	570460
ir 	SA 18	570940		SA 18	570940	Visu-control	TH 18*	570465
erie 14000/	SA 22	570945		SA 22	570945		TH 20*	570470
erie 15000	SA 28	570950		SA 28	570950		TH 26*	570475
	SA 35 SA 42 (PR-3S) <sup>3)</sup>	570955 572710		SA 35	570955		THL 32 TH 40	570487 570485
	SA 42 (PR-3S) <sup>3</sup>	572712		SA 42 (PR-3S) <sup>3)</sup>	572710		TH 50 (S)	572400
	M 12	570100		SA 54 (PR-3S)3)	572712		TH 63 (S)	572405
	M 15	570110		M 12	570100	Seppelfricke	M 12	570100
	M 18	570120		M 15	570110	XPress C-Stahl	M 15	570110
	M 22	570130		M 18	570120		M 18 <sup>1)</sup>	570120
	M 28	570140		M 22	570130		M 22	570130
	M 35	570150		M 28	570140		M 28 <sup>1)</sup>	570140
	M 42 (PR-3S) <sup>3)</sup>	572706		M 35	570150		M 35	570150
	M 54 (PR-3S) <sup>3)</sup>	572708		M 42 (PR-3S) <sup>3)</sup>	572706		M 42 (4G)	570160
	M 12 45° (PR-2B) <sup>3)</sup>	574520		M 54 (PR-3S) <sup>3)</sup>	572708		M 54 (4G)	570170
	M 15 45° (PR-2B) <sup>3)</sup> M 18 45° (PR-2B) <sup>3)</sup>	574522 574524		M 12 45° (PR-2B)3)	574520		M 42 (PR-3S) <sup>3)</sup>	572706
	M 22 45° (PR-2B) <sup>3</sup>	574526		M 15 45° (PR-2B)3)	574522		M 54 (PR-3S) <sup>3)</sup>	572708
	M 28 45° (PR-2B) <sup>3</sup>	574528		M 18 45° (PR-2B)3)	574524	Seppelfricke	M 15	570110
	M 35 45° (PR-2B) <sup>3)</sup>	574530		M 22 45° (PR-2B)3)	574526	XPress Edelstahl	M 18 <sup>1)</sup> M 22	570120 570130
	V 12	570107		M 28 45° (PR-2B)3)	574528	Euelsiani	M 28 <sup>1)</sup>	570130
	V 15	570115		M 35 45° (PR-2B) <sup>3)</sup>	574530		M 35	570140
	V 18	570125		V 12	570107		M 42 (4G)	570150
	V 22	570135		V 15	570115		M 54 (4G)	570170
	V 28	570145		V 18	570125		M 42 (PR-3S) <sup>3)</sup>	572706
	V 35	570155		V 18 V 22	570135		M 54 (PR-3S) <sup>3)</sup>	572708
	V 42	570165		V 22 V 28	570135	Seppelfricke	M 12	570100
	V 54	570175		V 35	570155	XPress Kupfer	M 12 M 15	570100
	V 12 45° (PR-2B) <sup>3)</sup>	574502		V 35 V 42	570165		M 18 <sup>1)</sup>	570120
	V 15 45° (PR-2B) <sup>3)</sup>	574504		V 42 V 54	570175		M 22	570130
	V 18 45° (PR-2B) <sup>3)</sup>	574506					M 28 <sup>1)</sup>	570140
	V 22 45° (PR-2B) <sup>3)</sup>	574508		V 12 45° (PR-2B) <sup>3)</sup>	574502 574504		M 35	570150
	V 28 45° (PR-2B) <sup>3)</sup>	574510		V 15 45° (PR-2B) <sup>3)</sup>	574504		M 42 (PR-3S)3)	572706
NILLA	V 35 45° (PR-2B) <sup>3)</sup>	574512		V 18 45° (PR-2B) <sup>3)</sup>	574506		M 54 (PR-3S)3)	572708
NHA-	SA 15	570935		V 22 45° (PR-2B) <sup>3)</sup>	574508	Seppelfricke	M 15	570110
essfittings Iustrie	SA 18 SA 22	570940 570945		V 28 45° (PR-2B) <sup>3)</sup>	574510	XPress Kupfer	M 18 <sup>1)</sup>	570120
rie 18000	SA 22 SA 28	570950		V 35 45° (PR-2B) <sup>3)</sup>	574512	gas	M 22	570130
ne 18000	SA 35	570955	SATEC SK VITerm		570460		M 28 <sup>1)</sup>	570140
	SA 42 (PR-3S) <sup>3)</sup>	572710		TH 18*	570465		M 35	570150
	SA 54 (PR-3S) <sup>3)</sup>	572712		TH 20*	570470		M 42 (PR-3S) <sup>3)</sup>	572706
	M 15	570110		TH 26*	570475		M 54 (PR-3S) <sup>3)</sup>	572708
	M 18	570120		TH 32	570480	SESTA	TH 14*	570455
	M 22	570130		U 40	570790	SESTA GAS	TH 16*	570460
	M 28	570140		U 50	570795		TH 20* TH 26*	570470 570475
	M 35	570150		U 63 (S)	572365		TH 32	570480
	M 42 (PR-3S) <sup>3)</sup>	572706	Schwer Fittings	M 12	570100	SESTA	H 16*	570320
	M 54 (PR-3S) <sup>3)</sup>	572708	AQUApress	M 15	570110	Sistema	H 20*	570350
	M 15 45° (PR-2B) <sup>3)</sup>	574522		M 18	570120	multistrato	TH 14*	570455
	M 18 45° (PR-2B) <sup>3)</sup>	574524		M 22	570130	manadatato	TH 16*	570460
	M 22 45° (PR-2B) <sup>3)</sup>	574526		M 28	570140		TH 18*	570465
	M 28 45° (PR-2B) <sup>3)</sup>	574528		M 35	570150		TH 20*	570470
	M 35 45° (PR-2B) <sup>3)</sup> V 15	574530 570115		M 42 (4G)	570160		TH 26*	570475
	V 18	570125		M 54 (4G)	570170		TH 32	570480
	V 18 V 22	570135		M 12 45° (PR-2B)3)	574520		TH 40	570485
	V 28	570145		M 15 45° (PR-2B)3)	574522		TH 50 (S)	572400
	V 35	570155		M 18 45° (PR-2B) <sup>3)</sup>	574524		TH 63 (S)	572405
	V 42	570165		M 22 45° (PR-2B) <sup>3)</sup>			U 16*	570765
	V 54	570175		M 28 45° (PR-2B) <sup>3)</sup>	574528		U 20*	570775
	V 15 45° (PR-2B)3)	574504		M 35 45° (PR-2B) <sup>3)</sup>	574530	SIKO TYPRO	TH 14*	570455
	V 18 45° (PR-2B) <sup>3)</sup>	574506	Seppelfricke	TH 16*	570460		TH 16*	570460
	V 22 45° (PR-2B)3)	574508	HENCO PRESS	TH 20*	570470		TH 18*	570465
	V 28 45° (PR-2B)3)	574510		TH 26*	570475		TH 20*	570470
	V 35 45° (PR-2B) <sup>3)</sup>	574512		HE 32	571900	SIKC	TH 26*	570475
NHA	SA 15	570935		HE 40	571902	SIKO	TH 14*	570455 570460
IRAPRESS	SA 18	570940	Seppelfricke	V 12	570107	TYROTHERM	TH 16* TH 18*	570460 570465
rie 80000	SA 22	570945	Sudopress	V 12 V 15	570115		TH 20*	570405
	SA 28	570950	Edelstahl	V 18	570125		TH 26*	570475
	SA 35	570955 572710	Visu-Control	V 18 V 22	570125	SLOVARM	U 16*	570765
	SA 42 (PR-3S) <sup>3)</sup> SA 54 (PR-3S) <sup>3)</sup>	572710 572712	viau=COnttOI	V 22 V 28	570135	PEX-THERM	U 20*	570775
	M 15 <sup>1)</sup>	570110		V 28 V 35	570145 570155		H 26*	570370
	M 18 <sup>1)</sup>	570120		V 35 V 42			U 32	570785
	M 22 <sup>1)</sup>	570130		V 42 V 54	570165 570175		H 16*	570320
	M 28 <sup>1)</sup>	570140	Concelfriel				H 20*	570350
	M 35 <sup>1)</sup>	570150	Seppelfricke	V 12	570107		H 26*	570370
	M 42 (PR-3S) <sup>3)</sup>	572706	Sudopress Kupfer		570115		H 32	570380
	M 54 (PR-3S) <sup>3)</sup>	572708	Visu-Control	V 18	570125	Standard	U 16*	570765
	M 15 45° (PR-2B)3)	574522		V 22	570135	Hidráulica	U 18*	570770
	M 18 45° (PR-2B) <sup>3)</sup>	574524		V 28	570145	MultiStandard	U 20*	570775
	M 22 45° (PR-2B) <sup>3)</sup>	574526		V 35	570155		U 25*	570780
	M 28 45° (PR-2B) <sup>3)</sup>	574528		V 42	570165		U 32	570785
	M 35 45° (PR-2B) <sup>3)</sup>	574530		V 54	570175		U 40	570790
	V 15	570115	Seppelfricke	V 15	570115		U 50	570795
	V 18	570125	Sudopress Kupfer	V 18	570125		U 63 (PR-3B) <sup>3)</sup>	572837
	V 22	570135	Visu-Control	V 22	570135	075: 5:	U 63 (S)	572365
	V 28	570145	Gas	V 28	570145	STELBI	TH 14*	570455
	V 35	570155		V 35	570155	Polikraft	TH 16*	570460
	V 42	570165		V 42	570165		TH 18*	570465
	V 54	570175		V 54	570175		TH 20*	570470
	V 15 45° (PR-2B) <sup>3)</sup>	574504	Seppelfricke	V 15	570115		TH 26*	570475
	V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup>	574506	Sudopress Kupfer		570125		TH 32	570480
	$V ZZ 45^{\circ} (PR-2B)^{3}$	574508					TH 40	570485
	V 28 45° (PR-2B) <sup>3)</sup>	574510	Visu-Control	V 22	570135		TH 50 (S)	572400

Accessories for REMS radial presses (except REMS Mini-Press ACC) and suitable radial presses of other makes

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
URE HISPANIA	•	571325	TIEMME	TH 14*	570455	UNIDELTA	TH 16*	570460
			AL-COBRAPEX			DeltAll	TH 10 TH 20*	570460 570470
URE-PRESS	RFz 20*	571330		TH 16*	570460	DeltAll	TH 26*	570475
	RFIz 25	571337	Serie 1650	TH 18*	570465		TH 32	570480
	RFIz 32	571342		TH 20*	570470		TH 32 TH 40	570480
	U 40	570790		TH 25*	570495			
	U 50	570795		TH 26*	570475		TH 50 (S)	572400 572405
	U 63 (PR-3B) <sup>3)</sup>	572837		THL 32	570487		TH 63 (S)	
	U 63 (S)	572365					H 16*	570320
				TH 40	570485		H 20*	570350
ysterm	H 16 A*	570620		TH 50 (S)	572400		H 26*	570370
/ELCO-Gas	H 20 A*	570650		TH 63 (S)	572405		H 32	570380
	H 26 A*	570670	TIEMME	RFz 12*	571320		H 40 (4G)	570390
	H 32 A	570680	Serie 1700 PE-X	RFz 16*	571325		U 16*	570765
systerm	H 14 A*	570610	a pressare	RFz 20*	571330		U 20*	570775
ELCO-Flex	H 16 A*	570620	a pressare				U 32	570785
	H 17 A*			RFz 25	571335		U 40	570790
		570630		RFz 32	571340		U 50	570795
	H 20 A*	570650	TIEMME	TH 16*	570460		U 63 (S)	572365
	H 26 A*	570670	TIEMME Gas	TH 20*	570470	UNIDELTA	TH 16*	570460
	H 32 A	570680		TH 26*	570475	DeltAll GAS	TH 20*	570470
	H 40 A (4G)	570695					TH 26*	570475
vetorm	H 16 A*	570620		THL 32	570487		TH 32	570480
ysterm			TIGRE	TH 16*	570460		H 16*	570320
/ELCO-Teck	H 20 A*	570650	ALPEX GÁS	TH 20*	570470		H 20*	570350
	H 26 A*	570670		TH 26*	570475		H 26*	570370
DM BRASS	H 16*	570320		TH 32	570480		H 32	570380
erie 1600	H 18*	570340	TIZNA				U 16*	570765
-	H 20*	570350	TKM	TH 14*	570455		U 20*	570775
	H 26*	570370	Systemtechnik	TH 16*	570460		U 32	570785
				TH 20*	570470	Uponor MLC	UP 14*	572630
	H 32	570380		TH 26*	570475	Uponor MLC		
	TH 16*	570460		TH 32	570480		UP 16*	572632
	TH 18*	570465					UP 18*	572634
	TH 20*	570470		TH 40	570485		UP 20*	572636
	TH 26*	570475		TH 50 (S)	572400		UP 25	572638
				TH 63 (S)	572405		UP 32	572640
	THL 32	570487	TRA	U 16*	570765		U 40	570790
	U 16*	570765	MULTITRAPRESS		570770		U 50	570795
	U 18*	570770					U 63 (PR-3B)3)	572837
	U 20*	570775		U 20*	570775		U 63 (S)	572365
	C 26*	570750		U 25*	570780		U 75 (PR-3B) <sup>3)</sup>	572828
	U 32	570785		U 32	570785	Uponor MLC-D	UP 16*	572632
				U 40	570790	oponor meo o	UP 20*	572636
DM BRASS	TH 16*	570460		U 50	570795		UP 25	572638
erie 1700	TH 20*	570470					UP 32	572640
	TH 26*	570475		U 63 (PR-3B) <sup>3)</sup>	572837		U 50	
	THL 32	570487		U 63 (S)	572365			570795
ERMICALINE	B 16*	570850		U 75 (PR-3B)3)	572828		U 63 (PR-3B) <sup>3)</sup>	572837
			TRA TRAPRESS	H 12*	570300		U 63 (S)	572365
ermipex	B 20*	570860		H 16*	570320		U 75 (PR-3B) <sup>3)</sup>	572828
	B 26	570870				Uponor MLC-G <sup>2)</sup>	UP 20 <sup>2)</sup>	572636
	B 32	570880		H 20*	570350		UP 25	572638
	H 16*	570320		H 25*	570360		UP 32	572640
	H 20*	570350		H 32	570380	Uponor	UP 16*	572632
				RFz 12*	571320	Uni Pipe PLUS	UP 20*	572636
	TH 16*	570460		RFz 16*	571325		UP 25	572638
	TH 20*	570470					UP 32	572640
	TH 26*	570475		RFz 20*	571330	Valsir PEXAL	H 14*	570310
	TH 32	570480		RFz 25	571335		H 16*	570320
	U 16*	570765		RFz 32	571340		H 20*	570350
	U 20*	570775	Tréfimétaux Qtec	TH 14*	570455		H 26*	570370
<u> </u>				TH 16*	570460		H 32 V	570685
ermoConcept	Basic E015)	571855					H 40 V (PR-3B) <sup>3)</sup>	572833
C-PRESS				TH 20*	570470		H 50 V (PR-3B) <sup>3)</sup>	572834
HERMOLUTZ	H 14*	570310	TWEETOP	U 16*	570765			
	H 16*	570320		U 20*	570775		H 63 V (PR-3B) <sup>3)</sup>	572835
	H 17*	570330		U 25*	570780	Valsir PEXAL Gas		570310
				U 32	570785		H 16*	570320
	TH 20*	570470					H 20*	570350
E-SA	TH 14*	570455		U 40	570790		H 26*	570370
E-SA press	TH 16*	570460		U 50	570795	Van Marcke Log.	TH 16*	570460
erie 800	TH 18*	570465		U 63 (PR-3B)3)	572837	Tu-Bi-Pex	TH 17*	570462
	TH 20*	570470		U 63 (S)	572365		TH 20*	570470
							TH 26*	570475
	TH 26*	570475		U 75 (PR-3B) <sup>3)</sup>	572828		TH 32	570480
							-	
	TH 32	570480	UNICAL AG	U 16*	570765		TH 40	570485
	TH 32 TH 40	570480 570485	UNICAL AG MAX-MULTIPEX	U 16* U 20*	570765 570775		TH 40 TH 50 (S)	570485 572400
							TH 40 TH 50 (S) TH 63 (S)	570485 572400 572405

Pressfitting systems for gas installations must only be pressed with pressing tongs/pressing rings which are highlighted in yellow.

Observe the national regulations.

\* These pressing tongs also fit the manual radial press REMS Eco-Press. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw.

<sup>2)</sup> For this pressfitting system producing a pressing joint with manual radial presses is not permitted.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 158.

<sup>4)</sup> Press fittings made of red bronze (ProPress XL) must be pressed with pressing rings with press contour VUSR, copper fittings (ProPress XL-C)

and stainless steel fittings (ProPress XL-S) with pressing rings with press contour VUSF.

<sup>5)</sup> For taking suitable pressing inserts.

<sup>6)</sup> Press fittings made of red bronze (Sanpress XL) must be pressed with pressing rings with press contour VR, copper fittings (Profipress XL, Profipress G XL), carbon steel (Prestabo XL) and stainless steel fittings (Sanpress Inox XL, Sanpress Inox G XL) with pressing rings with press contour VF.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

System			-			-	-	
fairs Manuality I and	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
/an Marcke Log. ſu-Bi-Press	M 12 M 15	570100 570110	Viega Profipress Therm	V 12 V 15	570107 570115	Viessmann	TH 14* TH 16*	570455 570460
u-DI-FIESS	M 18	570120	Prolipress merm	V 18	570125		TH 20*	570400
	M 22	570130		V 22	570125		TH 26*	570475
	M 28	570140		V 12 45° (PR-2B) <sup>3)</sup>	574502		TH 32	570480
	M 35	570150		V 15 45° (PR-2B) <sup>3)</sup>	574504		TH 40	570485
	M 42 (4G)	570160		V 18 45° (PR-2B) <sup>3)</sup>	574506	VSH MultiPress	U 14*	570760
	M 54 (4G)	570170		V 22 45° (PR-2B) <sup>3)</sup>	574508		U 16*	570765
	M 12 45° (PR-2B) <sup>3)</sup>	574520	Viega ProPress	VUS 1/2" (OD 15,9 mm)	571770		U 20*	570775
	M 15 45° (PR-2B) <sup>3)</sup>	574522	System USA	VUS <sup>3</sup> / <sub>4</sub> " (OD 22,2 mm)	571775		U 25*	570780
	M 18 45° (PR-2B) <sup>3)</sup>	574524	-,	VUS 1" (OD 28,6 mm)	571780		U 32	570785
	M 22 45° (PR-2B) <sup>3)</sup>	574526		VUS 1 <sup>1</sup> / <sub>4</sub> " (OD 34,9 mm)	571785		U 40	570790
	M 28 45° (PR-2B) <sup>3)</sup>	574528		VUS 11/2" (OD 41,3 mm)	571790	VSH	M 12	570100
/ariath arm	M 35 45° (PR-2B) <sup>3)</sup> TH 11,6*	574530 570482		VUS 2" (OD 54,0 mm)	571795	XPress Carbon	M 15	570110
/ariotherm System TH	TH 16*	570460	XL-C/XL-S	VUSF 21/2" (PR-3B)3) 6	<sup>3)</sup> 572819		M 18 <sup>1)</sup>	570120
/iega Pexfit Fosta		571635		(OD 66,7 mm)			M 22	570130
nega r exili i Usia	VX 20*	571640	XL-C/XL-S	VUSF 3" (PR-3B)3) 6)	572820		M 28 <sup>1)</sup> M 35	570140 570150
	VX 25*	571645		(OD 79,4 mm)			M 42 (4G)	570160
/iega Pexfit	VX 16*	571635	XL-C/XL-S	VUSF 4" (PR-3B) <sup>3) 6)</sup>	572821		M 54 (4G)	570170
osta G	VX 20*	571640		(OD 104,8 mm)			M 42 (PR-3S) <sup>3)</sup>	572706
	VX 25*	571645	Viega Propress	VAU 15 (OD 12,7 mm)	572687		M 54 (PR-3S) <sup>3)</sup>	572708
/iega Pexfit Plus	VX 12*	571630	WATER System	VAU 20 (OD 19,1 mm)	572689	VSH	M 15	570110
	VX 16*	571635	AUS	VAU 25 (OD 25,4 mm)	572691	XPress Copper	M 18 <sup>1)</sup>	570120
	VX 20*	571640		VAU 32 (OD 31,8 mm)	572693		M 22	570130
iega Pexfit	VX 16*	571635		VAU 40 (OD 38,1 mm)	572695		M 28 <sup>1)</sup>	570140
ro Fosta	VX 20*	571640		VAU 50 (OD 50,8 mm)	572697		M 35	570150
	VX 25*	571645	Viega PropressG	VAU 15 (OD 12,7 mm)	572687		M 42 (PR-3S) <sup>3)</sup>	572706
iega Pexfit	VX 16*	571635	GAS System	VAU 20 (OD 19,1 mm)	572689		M 54 (PR-3S) <sup>3)</sup>	572708
ro Plus	VX 20*	571640	AUS	VAU 25 (OD 25,4 mm)	572691	VSH	M 15	570110
'iega Prestabo	V 12	570107		VAU 32 (OD 31,8 mm)	572693	XPress Copper	M 18 <sup>1)</sup>	570120
	V 15	570115 570125		VAU 40 (OD 38,1 mm)	572695	GAS	M 22	570130
	V 18 V 22	570125 570135		VAU 50 (OD 50,8 mm)	572697		M 28 <sup>1)</sup>	570140
	V 22 V 28	570135 570145	Viega Raxofix	VRX 16	571750		M 35	570150
	V 35	570145		VRX 20	571752		M 42 (PR-3S) <sup>3)</sup>	572706
	V 42	570165		VRX 25	571754		M 54 (PR-3S) <sup>3)</sup>	572708
	V 54	570175		VRX 32	571756	VSH	M 15	570110
	VF 64,0 (PR-3B) <sup>3) 6)</sup>	572815		VRX 40	571758	XPress Copper	M 18 <sup>1)</sup>	570120
	VF 76,1 (PR-3B)3) 6)	572816		VRX 50	571760	Solar	M 22	570130
	VF 88,9 (PR-3B)3) 6)	572817	Viega	VP 16*	570910		M 28 <sup>1)</sup>	570140
	VF 108,0 (PR-3B)3) 6)	572818	Sanfix Fosta <sup>2)</sup>	VP 20*	570915		M 35	570150
	V 12 45° (PR-2B) <sup>3)</sup>	574502		VP 25*	570920		M 42 (PR-3S) <sup>3)</sup> M 54 (PR-3S) <sup>3)</sup>	572706 572708
	V 15 45° (PR-2B)3)	574504		VP 32	570925	VSH	M 15	570110
	V 18 45° (PR-2B) <sup>3)</sup>	574506	Viega	VP 16*	570910	XPress Stainless	M 18 <sup>1)</sup>	570120
	V 22 45° (PR-2B) <sup>3)</sup>	574508	Sanfix Plus	VP 20*	570915	Ai i coo otalilicoo	M 22	570130
	V 28 45° (PR-2B) <sup>3)</sup>	574510	Viega Sanpress	V 12	570107		M 28 <sup>1)</sup>	570140
	V 35 45° (PR-2B) <sup>3)</sup>	574512		V 15	570115		M 35	570150
/iega Profipress	V 12	570107		V 18	570125		M 42 (4G)	570160
	VG 14	570132		V 22	570135		M 54 (4G)	570170
	V 15	570115		V 28	570145		M 42 (PR-3S)3)	572706
	VG 16 V 18	570137 570125		V 35	570155		M 54 (PR-3S) <sup>3)</sup>	572708
	V 22	570125		V 42	570165	Walter Meier	U 16*	570765
	V 28	570145		V 54	570175	Metalplast	U 18*	570770
	V 35	570155		VR 76,1 (PR-3B) <sup>3) 6)</sup>	572822		U 20*	570775
	V 42	570165		VR 88,9 (PR-3B) <sup>3) 6)</sup>			U 25*	570780
	V 54	570175		VR 108,0 (PR-3B) <sup>3) 6)</sup>			U 32	570785
	VF 64,0 (PR-3B) <sup>3) 6)</sup>	572815		V 12 45° (PR-2B) <sup>3)</sup>	574502		U 40	570790
	VF 76,1 (PR-3B)3) 6)	572816		V 15 45° (PR-2B) <sup>3)</sup>	574504		U 50	E7070E
	VF 88,9 (PR-3B)3) 6)			V 18 45° (PR-2B) <sup>3)</sup>				570795
	VF 108,0 (PR-3B)3) 6)			V 22 45° (DD 20)2)	574506 574508		U 63 (PR-3B) <sup>3)</sup>	572837
		572818		V 22 45° (PR-2B) <sup>3)</sup>	574508		U 63 (S)	572837 572365
	V 12 45° (PR-2B) <sup>3)</sup>	572818 574502		V 28 45° (PR-2B) <sup>3)</sup>	574508 574510		U 63 (S) U 75 (PR-3B) <sup>3)</sup>	572837 572365 572828
	V 12 45° (PR-2B) <sup>3)</sup> VG 14 45° (PR-2B) <sup>3)</sup>	572818 574502 574536	Viego	V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup>	574508 574510 574512	Watts MTR	U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16*	572837 572365 572828 570460
	V 12 45° (PR-2B) <sup>3)</sup> VG 14 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup>	572818 574502 574536 574504	Viega Sappross Inov	V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15	574508 574510 574512 570115	Watts MTR Art press	U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16* TH 20*	572837 572365 572828 570460 570470
	V 12 45° (PR-2B) <sup>3)</sup> VG 14 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup> VG 16 45° (PR-2B) <sup>3)</sup>	572818 574502 574536 574504 574504	Viega Sanpress Inox	V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 18	574508 574510 574512 570115 570125		U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16* TH 20* TH 26*	572837 572365 572828 570460 570470 570475
	V 12 45° (PR-2B) <sup>3</sup> ) VG 14 45° (PR-2B) <sup>3</sup> ) V 15 45° (PR-2B) <sup>3</sup> ) VG 16 45° (PR-2B) <sup>3</sup> ) V 18 45° (PR-2B) <sup>3</sup> )	572818 574502 574536 574504 574538 574506		V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 18 V 22	574508 574510 574512 570115 570125 570135	Art press	U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16* TH 20* TH 26* TH 32	572837 572365 572828 570460 570470 570475 570480
	V 12 45° (PR-2B) <sup>3)</sup> VG 14 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup> VG 16 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup>	572818 574502 574536 574504 574538 574506 574506 574508		V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 18 V 22 V 28	574508 574510 574512 570115 570125 570135 570145	Art press WATTS	U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16* TH 20* TH 26* TH 32 US ¾**	572837 572365 572828 570460 570470 570470 570475 570480 571450
	V 12 45° (PR-2B) <sup>3)</sup> VG 14 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup> VG 16 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 28 45° (PR-2B) <sup>3)</sup>	572818 574502 574536 574504 574504 574506 574506 574508 574510		V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 18 V 22 V 28 V 28 V 35	574508 574510 574512 570115 570125 570135 570145 570155	Art press WATTS RADIANT	U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16* TH 20* TH 20* TH 32 US ¾"* US ½"*	572837 572365 572828 570460 570470 570475 570480 571450 571455
ices	$\begin{array}{l} V \ 12 \ 45^\circ \ (PR-2B)^{3)} \\ VG \ 14 \ 45^\circ \ (PR-2B)^{3)} \\ VG \ 15 \ 45^\circ \ (PR-2B)^{3)} \\ VG \ 16 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 22 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 35 \ 45^\circ \ (PR-2B)^{3)} \end{array}$	572818 574502 574536 574504 574508 574508 574508 574510 574512		$\begin{array}{cccc} V & 28 & 45^{\circ} \ (PR-2B)^{\circ)} \\ V & 35 & 45^{\circ} \ (PR-2B)^{\circ)} \\ V & 15 \\ V & 18 \\ V & 22 \\ V & 22 \\ V & 28 \\ V & 25 \\ V & 35 \\ V & 42 \end{array}$	574508 574510 574512 570115 570125 570135 570135 570145 570155 570165	Art press WATTS	U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16* TH 20* TH 26* TH 32 US $\frac{9}{4}$ "* US $\frac{9}{4}$ "* US $\frac{9}{4}$ "*	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460
	V 12 45° (PR-2B) <sup>3</sup> ) VG 14 45° (PR-2B) <sup>3</sup> ) V 15 45° (PR-2B) <sup>3</sup> ) V 16 45° (PR-2B) <sup>3</sup> ) V 18 45° (PR-2B) <sup>3</sup> ) V 22 45° (PR-2B) <sup>3</sup> ) V 22 45° (PR-2B) <sup>3</sup> ) V 35 45° (PR-2B) <sup>3</sup> V 12	572818 574502 574536 574504 574504 574506 574506 574510 574510 574512 574512		V 28 45° (PR-2B) <sup>3</sup> ) V 35 45° (PR-2B) <sup>3</sup> ) V 15 V 18 V 22 V 28 V 28 V 35 V 42 V 42 V 54	574508 574510 574512 570115 570125 570135 570145 570145 570165 570165 570175	Art press WATTS RADIANT	U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16* TH 26* TH 26* TH 32 US % <sup>in*</sup> US ½ <sup>in*</sup> US ½ <sup>in*</sup> US ½ <sup>in*</sup>	572837 572365 572828 570460 570470 570475 570480 571450 571460 571465
	V 12 45° (PR-2B) <sup>3</sup> VG 14 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 18 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup> V 12 V 12	572818 574502 574536 574504 574504 574508 574508 574510 574512 570107 570115		$\begin{array}{c} V \ 28 \ 45^{\circ} \ (PR-2B)^{3)} \\ V \ 35 \ 45^{\circ} \ (PR-2B)^{3)} \\ V \ 15 \\ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 54 \\ VF \ 64,0 \ (PR-3B)^{3)(6)} \end{array}$	574508 574510 574512 570115 570125 570135 570145 570145 570155 570165 570175 570175 572815	Art press WATTS RADIANT	U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16* TH 20* TH 26* TH 32 US $\frac{9}{4}$ "* US $\frac{9}{4}$ "* US $\frac{9}{4}$ "*	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460
	V 12 45° (PR-2B) <sup>3</sup> ) VG 14 45° (PR-2B) <sup>3</sup> ) V 15 45° (PR-2B) <sup>3</sup> ) VG 16 45° (PR-2B) <sup>3</sup> ) V 18 45° (PR-2B) <sup>3</sup> ) V 22 45° (PR-2B) <sup>3</sup> ) V 22 45° (PR-2B) <sup>3</sup> ) V 28 45° (PR-2B) <sup>3</sup> ) V 35 45° (PR-2B) <sup>3</sup> V 12 V 12 V 15 V 18	572818 574502 574536 574504 574504 574508 574508 574510 574512 57017 570115 570125		V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 18 V 22 V 28 V 35 V 42 V 54 VF 64.0 (PR-3B) <sup>3)(6)</sup> VF 76.1 (PR-3B) <sup>3)(6)</sup>	574508 574510 574512 570115 570125 570135 570145 570155 570165 570175 570175 572815 572816	Art press WATTS RADIANT	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^{*} \\ TH \ 20^{*} \\ TH \ 26^{*} \\ TH \ 32 \\ US \ \%^{**} \\ US \ \%^{**} \\ US \ \%^{**} \\ US \ 1^{**} \\ US \ 11^{**} \\ US \ 11^{''} \end{array}$	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571465
	V 12 45° (PR-2B) <sup>3)</sup> VG 14 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup> V 16 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3</sup> V 25 45° (PR-2B) <sup>3)</sup> V 12 V 15 V 22	572818 574502 574536 574504 574506 574508 574510 574510 574512 570107 570115 570125 570135		V 28 45° (PR-2B) <sup>3</sup> ) V 35 45° (PR-2B) <sup>3</sup> ) V 15 V 18 V 22 V 28 V 35 V 42 V 54 V 54 V 64,0 (PR-3B) <sup>3</sup> ) <sup>6</sup> ) VF 76,1 (PR-3B) <sup>3</sup> ) <sup>6</sup> ) VF 78,9 (PR-3B) <sup>3</sup> ) <sup>6</sup> )	574508 574510 574512 570115 570125 570135 570135 570145 570155 570165 570175 572815 572816 572817	Art press WATTS RADIANT Watts WaterPEX	U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16* TH 20* TH 20* US $\frac{4}{3}$ "* US $\frac{4}{3}$ "* US $\frac{4}{3}$ "* US $\frac{4}{3}$ "* US 1 $\frac{1}{3}$ " US 1 $\frac{1}{2}$ "	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571465 571470 571475
	V 12 45° (PR-2B) <sup>3)</sup> VG 14 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup> V 16 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 12 V 15 V 18 V 22 V 28	572818 574502 574504 574504 574506 574506 574510 574510 574510 574512 57017 570115 570125 570135 570145		V 28 45° (PR-2B) <sup>3</sup> ) V 35 45° (PR-2B) <sup>3</sup> ) V 15 V 18 V 22 V 28 V 35 V 42 V 54 VF 64,0 (PR-3B) <sup>3</sup> ) <sup>6</sup> ) VF 76,1 (PR-3B) <sup>3</sup> ) <sup>6</sup> ) VF 88,9 (PR-3B) <sup>3</sup> ) <sup>6</sup> )	574508 574510 574512 570115 570125 570135 570135 570145 570155 570165 570175 572815 572816 572817 572818	Art press WATTS RADIANT Watts WaterPEX WATTS	U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16* TH 20* TH 26* TH 32 US $\frac{1}{2}$ "* US $\frac{1}{2}$ "* US $\frac{1}{2}$ "* US 1"* US 1"* US 11/4" US 11/4" US 1/4"	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571465 571470 571475 571470
	V 12 45° (PR-2B) <sup>3</sup> VG 14 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 18 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup> V 12 V 12 V 12 V 12 V 12 V 22 V 28 V 28 V 35	572818 574502 574504 574504 574506 574506 574510 574512 57017 57015 570125 570125 570145 570155		$\begin{array}{c cccc} V & 28 & 45^{\circ} \ (PR-2B)^{3)} \\ V & 35 & 45^{\circ} \ (PR-2B)^{3)} \\ V & 15 \\ V & 18 \\ V & 22 \\ V & 28 \\ V & 35 \\ V & 42 \\ V & 54 \\ VF & 64,0 \ (PR-3B)^{3(6)} \\ VF & 68,9 \ (PR-3B)^{3(6)} \\ VF & 78,9 \ (PR-3B)^{3(6)} \\ VF & 108,0 \ (PR-3B)^{3(6)} \\ VF & 108,0 \ (PR-3B)^{3(6)} \\ V & 15 \ 45^{\circ} \ (PR-2B)^{3)} \end{array}$	574508 574510 574512 570115 570125 570135 570145 570145 570165 570165 570175 572815 572816 572816 572817 572818 572818 5724504	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ \%^{n*} \\ US \ \%^{n*} \\ US \ \%^{n*} \\ US \ \%^{n*} \\ US \ 11/2^n \\ US \ \%^{n*} \\ WS \ \%^{n*} \\ US \ \%^{n*} \\ \end{array}$	572837 572365 572828 570460 570470 570475 570480 571450 571450 571465 571460 571465 571470 571475 571475
	V 12 45° (PR-2B) <sup>3)</sup> VG 14 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup> V 16 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 12 V 15 V 18 V 22 V 28	572818 574502 574504 574504 574506 574506 574510 574510 574510 574512 57017 570115 570125 570135 570145		$\begin{array}{c} V \ 28 \ 45^{\circ} \ (PR-2B)^{3)} \\ V \ 35 \ 45^{\circ} \ (PR-2B)^{3)} \\ V \ 15 \\ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 54 \\ VF \ 64,0 \ (PR-3B)^{3)(6)} \\ VF \ 76,1 \ (PR-3B)^{3)(6)} \\ VF \ 76,1 \ (PR-3B)^{3)(6)} \\ VF \ 108,0 \ (PR-3B)^{3)(6)} \\ VF \ 108,0 \ (PR-3B)^{3} \\ VF \ 108,0 \ (PR-3B)^{3} \\ VF \ 108,0 \ (PR-3B)^{3} \\ VF \ 108,0 \ (PR-2B)^{3} \\ V \ 18 \ 45^{\circ} \ (PR-2B)^{3} \\ \end{array}$	574508 574510 574512 570115 570125 570135 570145 570145 570165 570165 570175 572815 572816 572816 572817 572818 574504 574506	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ 3''^{n*} \\ US \ 3''^{n*} \\ US \ 1''^{n*} \\ US \ 1''^{n*} \\ US \ 1''^{n*} \\ US \ 1''^{n*} \\ US \ 3''^{n*} \\ US \ 1''^{n*} \\ US$	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571470 571475 571450 571450 571455 571460 571465 571465 571470
	V 12 45° (PR-2B) <sup>3</sup> VG 14 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 16 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 28 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup> V 15 V 15 V 15 V 18 V 22 V 28 V 35 V 42	572818 574502 574504 574504 574504 574508 574508 574510 574512 57017 570175 570125 570135 570135 570145 570155 570165		$\begin{array}{l} {\sf V}\ 28\ 45^\circ({\sf PR-2B})^{3)}\\ {\sf V}\ 35\ 45^\circ({\sf PR-2B})^{3)}\\ {\sf V}\ 15\\ {\sf V}\ 18\\ {\sf V}\ 22\\ {\sf V}\ 28\\ {\sf V}\ 35\\ {\sf V}\ 42\\ {\sf V}\ 54\\ {\sf V}\ 64,0({\sf PR-3B})^{3(6)}\\ {\sf V}\ 64,0({\sf PR-3B})^{3(6)}\\ {\sf V}\ 64,0({\sf PR-3B})^{3(6)}\\ {\sf V}\ 68,9({\sf PR-3B})^{3(6)}\\ {\sf V}\ 68,9({\sf PR-3B})^{3(6)}\\ {\sf V}\ 545^\circ({\sf PR-2B})^{3}\\ {\sf V}\ 545^\circ({\sf PR-2B})^{3}\\ {\sf V}\ 18\ 45^\circ({\sf PR-2B})^{3}\\ {\sf V}\ 18\ 45^\circ({\sf PR-2B})^{3}\\ {\sf V}\ 18\ 45^\circ({\sf PR-2B})^{3}\\ {\sf V}\ 12\ 45^\circ({\sf PR-2B})^{3}\\ {\sf V}\ 22\ 45^\circ({\sf PR-2B})^{3}\\ \end{array}$	574508 574510 574512 570115 570125 570135 570145 570155 570165 570175 572815 572816 572817 572818 574504 574506 574508	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX	U 63 (S) U 75 (PR-3B) <sup>3)</sup> TH 16* TH 20* TH 26* TH 32 US $\frac{1}{2}$ "* US $\frac{1}{2}$ "* US 1 $\frac{1}{2}$ " US 1 $\frac{1}{2}$ " US 1 $\frac{1}{2}$ " US 1 $\frac{1}{2}$ " US $\frac{1}{2}$ "* US $\frac{1}{2}$ "*	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571470 571475 571450 571455 571460 571465 571465 571465
	V 12 45° (PR-2B) <sup>3)</sup> VG 14 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3</sup> V 12 V 15 V 15 V 15 V 16 V 22 V 28 V 22 V 28 V 35 V 42 V 54	572818 574502 574504 574504 574506 574508 574500 574510 574510 57017 570125 570125 570135 570145 570155 570155 570155 570175		$\begin{array}{c} V \ 28 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 35 \ 45^\circ \ (PR-2B)^{3)} \\ V \ 18 \\ V \ 22 \\ V \ 28 \\ V \ 35 \\ V \ 42 \\ V \ 54 \\ V \ 54 \\ V \ 64,0 \ (PR-3B)^{3(6)} \\ VF \ 64,0 \ (PR-3B)^{3(6)} \\ VF \ 64,0 \ (PR-3B)^{3(6)} \\ VF \ 76,1 \ (PR-3B)^{3(6)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3(6)} \\ V \ 18 \ 45^\circ \ (PR-2B)^{3(6)} \\ V \ 22 \ 45^\circ \ (PR-2B)^{3(6)} \\ V \ 28 \ 45^\circ \ (PR-2B)^{3(6)} \\ V \ 45^$	574508 574510 574512 570115 570125 570135 570135 570145 570155 570165 570175 572816 572816 572816 572818 574504 574506 574508 574510	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX WATTS	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^{*} \\ TH \ 20^{*} \\ TH \ 26^{*} \\ TH \ 32 \\ US \ \%^{n*} \\ US \ 12^{*} \\ US \ 4^{**} \\ US \ 4^{**} \\ US \ 24^{**} \\ US \ 24^{**} \\ US \ 12^{*} \\ $	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571470 571475 571455 571460 571465 571460 571465 571465 571470 571475 571470
	$\begin{array}{l} \forall 12 \ 45^{\circ} \ (PR-2B)^3 \\ \forall G \ 14 \ 45^{\circ} \ (PR-2B)^3 \\ \forall 15 \ 45^{\circ} \ (PR-2B)^3 \\ \forall 15 \ 45^{\circ} \ (PR-2B)^3 \\ \forall 18 \ 45^{\circ} \ (PR-2B)^3 \\ \forall 22 \ 45^{\circ} \ (PR-2B)^3 \\ \forall 28 \ 45^{\circ} \ (PR-2B)^3 \\ \forall 12 \\ \forall 15 \\ \forall 12 \\ \forall 22 \\ \forall 28 \\ \forall 54 \\ \forall 42 \\ \forall 54 $	572818 574502 574504 574504 574506 574508 574508 574510 574510 574512 57017 57017 57015 570135 570135 570145 570155 570165 570175 57215 57215 57215 574502 574502 574504	Sanpress Inox	$\begin{array}{l} {\sf V} 28 \ 45^\circ \ ({\sf PR-2B})^{3)} \\ {\sf V} 35 \ 45^\circ \ ({\sf PR-2B})^{3)} \\ {\sf V} 15 \\ {\sf V} 18 \\ {\sf V} 22 \\ {\sf V} 28 \\ {\sf V} 35 \\ {\sf V} 42 \\ {\sf V} 54 \\ {\sf VF} 64,0 \ ({\sf PR-3B})^{3)6} \\ {\sf VF} 76,1 \ ({\sf PR-3B})^{30} \\ {\sf VF} 78,9 \ ({\sf PR-3B})^{30} \\ {\sf VF} 78,9 \ ({\sf PR-2B})^{3} \\ {\sf VF} 108,0 \ ({\sf PR-2B})^{3} \\ {\sf V} 15 \ 45^\circ \ ({\sf PR-2B})^{3} \\ {\sf V} 22 \ 45^\circ \ ({\sf PR-2B})^{3} \\ {\sf V} 22 \ 45^\circ \ ({\sf PR-2B})^{3} \\ {\sf V} 28 \ 45^\circ \ ({\sf PR-2B})^{3} \\ {\sf V} 28 \ 45^\circ \ ({\sf PR-2B})^{3} \\ {\sf V} 28 \ 45^\circ \ ({\sf PR-2B})^{3} \\ {\sf V} 28 \ 45^\circ \ ({\sf PR-2B})^{3} \\ {\sf V} 35 \ 45^\circ \ ({\sf PR-2B})^{3} \end{array}$	574508 574510 574512 570115 570125 570135 570145 570155 570165 570175 572815 572816 572817 572818 572818 574504 574506 574510 574512	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX WATTS RADIANT	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ 3/^{n*} \\ US \ 3/^{n*} \\ US \ 3/^{n*} \\ US \ 3/^{n*} \\ US \ 1/2^n \\ US \ 3/^{n*} \\ US \ 3/^{n*} \\ US \ 1/2^n \\ US \ 3/^{n*} \\ US \ 1/2^n \\ US $	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571470 571475 571455 571460 571455 571460 571465 571470 571475 571475 570765 570775
	V 12 45° (PR-2B) <sup>3)</sup> VG 14 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup> V 15 45° (PR-2B) <sup>3)</sup> V 18 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 22 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 15 V 15 V 16 V 22 V 28 V 28 V 28 V 28 V 29 V 28 V 29 V 20 V 20 V 20 V 20 V 20 V 20 V 20 V 20	572818 574502 574504 574504 574508 574508 574510 574510 574512 570107 570115 570125 570125 570135 570145 570145 570155 570165 570175 572815 574502 574504 574506	Sanpress Inox	$\begin{array}{c} V 28 \ 45^\circ \ (PR-2B)^{3)} \\ V 35 \ 45^\circ \ (PR-2B)^3 \\ V 15 \\ V 18 \\ V 22 \\ V 28 \\ V 35 \\ V 42 \\ V 54 \\ VF 64,0 \ (PR-3B)^{3(6)} \\ VF 76,1 \ (PR-3B)^{3(6)} \\ VF 76,1 \ (PR-3B)^{3(6)} \\ VF 108,0 \ (PR-3B)^{3(6)} \\ VF 108,0 \ (PR-3B)^{3(6)} \\ VF 108,0 \ (PR-3B)^{3(6)} \\ V15 \ 45^\circ \ (PR-2B)^3 \\ V 18 \ 45^\circ \ (PR-2B)^3 \\ V 28 \ 45^\circ \ (PR-2B)^3 \\ V 28 \ 45^\circ \ (PR-2B)^3 \\ V 35 \ 45^\circ \ (PR-2B)^3 \\ V 3$	574508 574510 574512 570115 570125 570135 570145 570145 570165 570175 572815 572816 572816 572817 572818 574504 574504 574506 574510 574512 574512	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RADIANT WATTS RADIANT Watts	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ \%^{n*} \\ US \ \%^{n*} \\ US \ \%^{n*} \\ US \ 1\%^{n*} \\ US \ 1\%$	572837 572365 572828 570460 570470 570475 570480 571450 571450 571465 571460 571470 571475 571470 571475 571460 571465 571465 571460 571465 571470 571475 570765 570775 570780
	$\begin{array}{c} \forall 12 \ 45^\circ \ (PR-2B)^3) \\ \forall G \ 14 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \ 45^\circ \ (PR-2B)^3) \\ \forall 18 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 35 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \\ \forall 18 \\ \forall 22 \\ \forall 15 \\ \forall 18 \\ \forall 22 \\ \forall 54 \\ \forall F64,0 \ (PR-3B)^{36}) \\ \forall 12 \ 45^\circ \ (PR-2B)^3) \\ \forall 12 \ 45^\circ \ (PR-2B)^3) \\ \forall 18 \ 45^\circ \ (PR-4B)^3) \\ \forall 18 \ 45^\circ \ (P$	572818 574502 574504 574504 574506 574508 574510 574510 574512 57017 57015 57015 57015 57015 57015 57015 570165 570165 570165 57017 572815 574502 574504 574506 574508	Sanpress Inox	$\begin{array}{c c} V 28 & 45^{\circ} (PR-2B)^{3)} \\ V 35 & 45^{\circ} (PR-2B)^{3} \\ V 15 \\ V 18 \\ V 22 \\ V 28 \\ V 35 \\ V 42 \\ V 54 \\ VF 64,0 (PR-3B)^{3(6)} \\ VF 76,1 (PR-3B)^{3(6)} \\ VF 76,1 (PR-3B)^{3(6)} \\ VF 108,0 (PR-3B)^{3(6)} \\ VF 108,0 (PR-3B)^{3(7)} \\ V15 & 45^{\circ} (PR-2B)^{3} \\ V 18 & 45^{\circ} (PR-2B)^{3} \\ V 22 & 45^{\circ} (PR-2B)^{3} \\ V 35 & 45^{\circ} (PR-2B)^{3} \\ V 35 & 45^{\circ} (PR-2B)^{3} \\ V 15 \\ V 18 \\ V 18 \end{array}$	574508 574512 570115 570125 570125 570135 570145 570145 570165 570165 572816 572816 572816 572818 572818 574504 574504 574506 574508 574510 574512 570115 570125	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT WATTS RADIANT Watts RadiantPEX-AL	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ US \ 2^{m*} \\ US \ 2^{m*} \\ US \ 2^{m*} \\ US \ 1^{2m} \\ US \ 1^{2m} \\ US \ 2^{m*} \\ US \ 1^{2m} \\ US \$	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571470 571475 571455 571460 571455 571465 571465 571465 571470 571475 570765 570775 570780 570785
	$\begin{array}{c} \forall 12 \ 45^\circ \ (PR-2B)^3 \\ \forall G \ 14 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 35 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \\ \forall 18 \\ \forall 22 \\ \forall 15 \\ \forall 18 \\ \forall 22 \\ \forall 28 \\ \forall 35 \\ \forall 42 \\ \forall 54 \\ \forall F \ 64, 0 \ (PR-3B)^{3(6)} \\ \forall 12 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \ 45^\circ \ (PR-2B)^3 \\ \forall 18 \ 45^\circ \ (PR-2B)^3 \\ \forall 18 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 28 \ 45^\circ \ (PR-2B)^3 \\ \forall 28 \ 45^\circ \ (PR-2B)^3 \\ \hline \end{cases}$	572818 574502 574504 574504 574504 574508 574508 574510 574512 570107 570115 570115 570135 570135 570135 570135 570155 570155 570155 570155 570155 570155 570155 570155 572815 572815 572815 574502 574504 574508 574508	Sanpress Inox	$\begin{array}{c} V 28 \ 45^{\circ} \ (PR-2B)^{3)} \\ V 35 \ 45^{\circ} \ (PR-2B)^{3)} \\ V 15 \\ V 18 \\ V 22 \\ V 28 \\ V 35 \\ V 42 \\ V 54 \\ VF \ 64.0 \ (PR-3B)^{3(6)} \\ VF \ 76.1 \ (PR-3B)^{3(6)} \\ VF \ 76.1 \ (PR-3B)^{3(6)} \\ VF \ 76.1 \ (PR-2B)^{3)} \\ V5 \ 45^{\circ} \ (PR-2B)^{3)} \\ V15 \ 45^{\circ} \ (PR-2B)^{3)} \\ V15 \ 45^{\circ} \ (PR-2B)^{3)} \\ V22 \ 45^{\circ} \ (PR-2B)^{3)} \\ V22 \ 45^{\circ} \ (PR-2B)^{3} \\ V35 \ 45^{\circ} \ (PR-3B)^{3} \\ V35 \ (PR-3B)^{3} \ (PR-3B)^{3} \ (PR-3B)^{3} \\ V35 \ (PR-3B)^{3} \ (PR-3B)^{3} $	574508 574510 574512 570115 570125 570135 570145 570155 570165 570175 572816 572816 572816 572817 572818 574506 574506 574508 574510 574512 570115 570115 570125 570135	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX WATTS RADIANT Watts RadiantPEX-AL Wavin	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^{*} \\ TH \ 20^{*} \\ TH \ 20^{*} \\ TH \ 32 \\ US \ \%^{n*} \\ US \ 12^{n*} \\$	572837 572365 572828 570460 570470 570475 570480 571450 571450 571465 571465 571465 571470 571475 571455 571460 571465 571460 571465 571465 571465 571470 571475 570765 570775 570775 570780 570780
rofipress G	$\begin{array}{c} \forall 12 \ 45^\circ \ (\text{PR-2B})^3 \\ \forall G \ 14 \ 45^\circ \ (\text{PR-2B})^3 \\ \forall 15 \ 45^\circ \ (\text{PR-2B})^3 \\ \forall 15 \ 45^\circ \ (\text{PR-2B})^3 \\ \forall 18 \ 45^\circ \ (\text{PR-2B})^3 \\ \forall 22 \ 45^\circ \ (\text{PR-2B})^3 \\ \forall 22 \ 45^\circ \ (\text{PR-2B})^3 \\ \forall 12 \\ \forall 15 \\ \forall 22 \\ \forall 35 \\ \forall 22 \\ \forall 35 \\ \forall 42 \\ \forall 54 $	572818 574502 574504 574504 574506 574508 574508 574510 574510 574512 57017 570125 570135 570135 570145 570155 570155 570155 570155 570155 570155 570155 570155 570155 574502 574502 574504 574508 574510 574510	Sanpress Inox	$\begin{array}{c} {\sf V} 28 \ 45^\circ \ ({\sf PR-2B})^3) \\ {\sf V} 35 \ 45^\circ \ ({\sf PR-2B})^3) \\ {\sf V} 15 \\ {\sf V} 18 \\ {\sf V} 22 \\ {\sf V} 28 \\ {\sf V} 35 \\ {\sf V} 42 \\ {\sf V} 54 \\ {\sf VF} 64, 0 \ ({\sf PR-3B})^{30} \\ {\sf VF} 76, 1 \ ({\sf PR-3B})^{30} \\ {\sf VF} 76, 1 \ ({\sf PR-3B})^{30} \\ {\sf VF} 708, 0 \ ({\sf PR-3B})^{30} \\ {\sf VF} 108, 0 \ ({\sf PR-2B})^3 \\ {\sf V} 15 \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 15 \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 22 \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 28 \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 28 \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 35 \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 18 \\ {\sf V} 22 \\ {\sf V} 28 \end{array}$	574508 574510 574512 570115 570125 570135 570145 570155 570155 570165 570175 572816 572816 572817 572818 574504 574506 574508 574508 574510 574512 570115 570135 570135 570135	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT WATTS RADIANT Watts RadiantPEX-AL	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ 4''^* \\ US \ 4''^* \\ US \ 4''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 4''^* \\ US \ 1''^* \\ US \ 1'' \\ U$	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571470 571475 571455 571460 571455 571460 571465 571465 571475 571465 571475 570765 570785 570785 570785
rofipress G	$\begin{array}{c} \forall 12 \ 45^\circ \ (PR-2B)^3) \\ \forall G \ 14 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \ 45^\circ \ (PR-2B)^3) \\ \forall 18 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 35 \ 45^\circ \ (PR-2B)^3) \\ \forall 12 \\ \forall 15 \\ \forall 18 \\ \forall 22 \\ \forall 54 \\$	572818 574502 574504 574504 574508 574508 574510 574510 574512 570107 570115 570125 570125 570135 570145 570145 570155 570165 572815 574502 574504 574504 574506 574510 574512 574512 570107	Sanpress Inox	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	574508 574510 574512 570125 570125 570135 570145 570145 570165 570165 572815 572815 572816 572817 572818 574504 574504 574506 574510 574510 574512 570115 570125 570135 570145 570155	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX WATTS RADIANT Watts RadiantPEX-AL Wavin	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ 3/^{m^*} \\ US \ 3/^{m^*} \\ US \ 3/^{m^*} \\ US \ 3/^{m^*} \\ US \ 1/^{m^*} \\ US \ 1/^{m^*} \\ US \ 1/^{m^*} \\ US \ 3/^{m^*} \\ US \ 3/^{m^*} \\ US \ 3/^{m^*} \\ US \ 3/^{m^*} \\ US \ 1/^{m^*} \\ US$	572837 572365 572828 570460 570470 570475 570480 571455 571460 571465 571465 571470 571475 571460 571465 571460 571465 571460 571465 571470 571470 571475 570765 570765 570780 570765 570765 570775
iega	$\begin{array}{c} \forall 12 \ 45^\circ \ (PR-2B)^3) \\ \forall G \ 14 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \ 45^\circ \ (PR-2B)^3) \\ \forall 18 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 35 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \\ \forall 18 \\ \forall 15 \\ \forall 18 \\ \forall 22 \\ \forall 28 \\ \forall 35 \\ \forall 22 \\ \forall 54 \\ \forall F64, 0 \ (PR-3B)^{9}) \\ \forall 12 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 23 \ 45^\circ \ (PR-2B)^3) \\ \forall 35 \ 45^\circ \ (PR-2B)^3) \\ \forall 35 \ 45^\circ \ (PR-2B)^3) \\ \forall 12 \ 45^\circ \ (PR-2B)^3) \\ \forall 13 \ 45^\circ \ (PR-2B)^3) \\ \forall 15^\circ \ (PR-2B)^3) \\ \forall 1$	572818 574502 574504 574504 574506 574508 574500 574510 574510 57017 57015 57015 57015 57015 57015 57015 57015 570165 570165 570165 574502 574502 574504 574506 574508 574508 574512 57017 57015	Sanpress Inox	$\begin{array}{c} V 28 \ 45^\circ \ (PR-2B)^{3)} \\ V 35 \ 45^\circ \ (PR-2B)^3 \\ V 15 \\ V 18 \\ V 22 \\ V 28 \\ V 35 \\ V 42 \\ V 54 \\ VF 64,0 \ (PR-3B)^{3(6)} \\ VF 76,1 \ (PR-3B)^{3(6)} \\ VF 76,1 \ (PR-3B)^{3(6)} \\ VF 108,0 \ (PR-3B)^{3(6)} \\ VF 108,0 \ (PR-3B)^{3(7)} \\ V15 \ 45^\circ \ (PR-2B)^3 \\ V15 \ 45^\circ \ (PR-2B)^3 \\ V 18 \ 45^\circ \ (PR-2B)^3 \\ V 22 \ 45^\circ \ (PR-2B)^3 \\ V 35 \ 45^\circ \ (PR-2B)^3 \\ V 35 \ 45^\circ \ (PR-2B)^3 \\ V 18 \\ V 22 \\ V 18 \\ V 28 \\ V 28 \\ V 35 \\ V 42 \\ \end{array}$	574508 574510 574512 570115 570125 570135 570145 570145 570155 570165 572815 572816 572816 572817 572818 574504 574504 574506 574506 574510 574512 570115 570125 570135 570145 570165	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX WATTS RADIANT Watts RadiantPEX-AL Wavin	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ \hline TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ \%^{**} \\ US \ 1\%^* \\ U \ 20 \ (\%^*) \\ U \ 22 \ (\%^*) \\ U \ 22 \ (\%^*) \\ U \ 22 \ (\%^*) \\ U \ 20 \ (\%^*) \\ U \ 20 \ \%^* \\ U \ 20^* \\ U \ 20^* \\ U \ 25^* \\ \end{array}$	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571465 571470 571470 571475 571465 571460 571455 571460 571470 571475 570765 570775 570780 570765 570760 570765 570775 570780
rofipress G	V 12 45° (PR-2B) <sup>3</sup> VG 14 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 26 16 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 12 V 15 V 12 V 22 V 28 V 22 V 28 V 22 V 28 V 42 V 54 V 42 V 54 V 54 V 54 V 54 V 54 V 54 V 54 V 54	572818 574502 574504 574504 574504 574508 574508 574510 574512 570175 570155 570155 570155 570155 570155 570155 570155 570155 574502 574502 574504 574506 574508 574508 574510 574512 570175 574512 570175 574512 570175 574512 574512 570175 574512	Sanpress Inox	$\begin{array}{c} V 28 \ 45^\circ \ (PR-2B)^{3)} \\ V 35 \ 45^\circ \ (PR-2B)^{3} \\ V 15 \\ V 18 \\ V 22 \\ V 28 \\ V 35 \\ V 42 \\ V 54 \\ VF \ 64,0 \ (PR-3B)^{3(6)} \\ VF \ 76,1 \ (PR-3B)^{3(6)} \\ VF \ 76,1 \ (PR-3B)^{3(6)} \\ VF \ 76,1 \ (PR-3B)^{3(6)} \\ VF \ 108,0 \ (PR-3B)^{3(6)} \\ VF \ 108,0 \ (PR-3B)^{3(6)} \\ VF \ 108,0 \ (PR-2B)^{3} \\ V15 \ 45^\circ \ (PR-2B)^{3} \\ V22 \ 45^\circ \ (PR-2B)^{3} \\ V 22 \ 45^\circ \ (PR-2B)^{3} \\ V 22 \ 45^\circ \ (PR-2B)^{3} \\ V 15 \ 45^\circ \ (PR-2B)^{3} \\ V 15 \ 45^\circ \ (PR-2B)^{3} \\ V 22 \ 45^\circ \ (PR-2B)^{3} \\ V 22 \ 45^\circ \ (PR-2B)^{3} \\ V 15 \ (PR-2B)^{3$	574508 574510 574512 570115 570115 570135 570145 570155 570165 570175 572816 572816 572816 572817 572818 574504 574506 574506 574508 574510 574512 570115 570115 570125 570135 570145 570165 570175	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX WATTS RADIANT Watts RadiantPEX-AL Wavin	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ 4''^* \\ US \ 4''^* \\ US \ 4''^* \\ US \ 1''^* \\ US \ 1'''^* \\ US \ 1'''^* \\ US \ 1'''^* \\ US \ 1''' \\ US \ 1'''' \\ US \ 1'''' \\ US \ 1'''' \\ US \ 1''''' \\ US \ 1'''''' \\ US \ 1'''''''''''''''''''''''''''''''''''$	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571465 571470 571475 571460 571465 571460 571465 571460 571465 571465 571460 571470 571475 570765 570765 570775 570780 570765 5707765 5707760 570775 5707780 570780 570785
iega	V 12 45° (PR-2B) <sup>3</sup> VG 14 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 26 16 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 24 45° (PR-2B) <sup>3</sup> V 12 V 15 V 22 V 28 V 26 V 22 V 28 V 24 V 54 V 42 V 54 V 42 V 54 V 54 V 54 V 12 45° (PR-2B) <sup>3</sup> V 12 45° (PR-2B) <sup>3</sup> V 12 45° (PR-2B) <sup>3</sup> V 13 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 25 45° (PR-2B) <sup>3</sup> V 25 45° (PR-2B) <sup>3</sup> V 26 45° (PR-2B) <sup>3</sup> V 27 45° (PR-2B) <sup>3</sup> V 28 45	572818 574502 574504 574504 574506 574508 574508 574510 574510 574512 57017 570125 570135 570145 570155 570155 570165 570155 57215 572515 574502 574502 574504 574506 574510 574510 574512 57017 57015 572515 57015 574512 57017 574512 570135	Sanpress Inox	$\begin{array}{c} {\sf V} 28 \ 45^\circ \ ({\sf PR-2B})^3) \\ {\sf V} 35 \ 45^\circ \ ({\sf PR-2B})^3) \\ {\sf V} 15 \\ {\sf V} 13 \\ {\sf V} 22 \\ {\sf V} 28 \\ {\sf V} 35 \\ {\sf V} 42 \\ {\sf V} 54 \\ {\sf VF} 64, 0 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 64, 0 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 76, 1 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 708, 0 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 708, 0 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 108, 0 \ ({\sf PR-2B})^3 \\ {\sf V} 15 \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 22 \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 22 \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 23 \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 15 \\ {\sf V} 18 \\ {\sf V} 22 \\ {\sf V} 28 \\ {\sf V} 35 \\ {\sf V} 42 \\ {\sf V} 42 \\ {\sf V} 54 \\ {\sf VF} 64, 0 \ ({\sf PR-3B})^{4(6)} \end{array}$	574508 574510 574512 570115 570125 570135 570145 570155 570165 570165 570175 572815 572816 572816 572817 572818 574504 574506 574508 574508 574510 574512 570115 57015 57015 57015 570165 570165 570165 570175 570165 570175	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX WATTS RADIANT Watts RadiantPEX-AL Wavin	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ 4''^* \\ US \ 4''^* \\ US \ 4''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 4''^* \\ US \ 4''^* \\ US \ 1''^* \\ US \ 1'' \\ US \ 1'$	572837 572365 572828 570460 570470 570475 570480 571450 571450 571455 571460 571470 571475 571475 571455 571460 571475 571465 571475 571475 570785 570785 570785 5707765 570775 570780 570775 570780 570775 570780 570785 570780 570785 570780
rofipress G	$\begin{array}{c} \forall 12 \ 45^\circ \ (PR-2B)^3) \\ \forall G \ 14 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \ 45^\circ \ (PR-2B)^3) \\ \forall 18 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 35 \ 45^\circ \ (PR-2B)^3) \\ \forall 12 \\ \forall 15 \\ \forall 18 \\ \forall 22 \\ \forall 28 \\ \forall 35 \\ \forall 42 \\ \forall 54 \\ \forall 64, 0 \ (PR-3B)^{30}) \\ \forall 12 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \ 45^\circ \ (PR-2B)^3) \\ \forall 15 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3) \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 23 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \ 45^\circ \ (PR-2B)^3 \\ \forall 12 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 23 \ 45^\circ \ (PR-2B)^3 \\ \forall 24 \ 45^\circ \ (PR-2B)^3 \\ \forall 24 \ 45^\circ \ (PR-2B)^3 \\ \forall 35 \ 45^\circ \ (PR-2B)^3 \\ \forall 45 \ (PR-2B)^3 \ (PR-2B)^3 \\ \forall 45 \ (PR-2B)^3 \\ \forall 45 \ (PR-2B)^3 \\ \forall 45 $	572818 574502 574504 574504 574506 574508 574500 574510 574510 57017 570125 570125 570135 570145 570145 570155 570145 570155 572815 574502 574504 574504 574506 574510 574510 574512 57017 57015 574512 57017 57015 574512 57017 57015 574512 57017 57015 574512 57017 57015 57017 57015 57015 57015 5705 570	Sanpress Inox	$\begin{array}{c} {\sf V} 28 \ 45^\circ \ ({\sf PR-2B})^3) \\ {\sf V} 35 \ 45^\circ \ ({\sf PR-2B})^3) \\ {\sf V} 15 \\ {\sf V} 18 \\ {\sf V} 22 \\ {\sf V} 28 \\ {\sf V} 28 \\ {\sf V} 35 \\ {\sf V} 42 \\ {\sf V} 54 \\ {\sf VF} 64,0 \ ({\sf PR-3B})^{30} \\ {\sf VF} 76,1 \ ({\sf PR-3B})^{30} \\ {\sf VF} 76,1 \ ({\sf PR-3B})^{30} \\ {\sf VF} 708,0 \ ({\sf PR-3B})^{30} \\ {\sf VF} 708,0 \ ({\sf PR-3B})^{30} \\ {\sf VF} 108,0 \ ({\sf PR-3B})^{30} \\ {\sf VI5} \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 15 \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V22} \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V22} \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V23} \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V15} \\ {\sf V15} \\ {\sf V18} \\ {\sf V22} \\ {\sf V28} \\ {\sf V26} \ 45^\circ \ ({\sf PR-2B})^3 \\ {\sf V15} \\ {\sf V42} \\ {\sf V28} \\ {\sf V35} \\ {\sf V42} \\ {\sf V42} \\ {\sf V56} \\ {\sf V564,0 \ ({\sf PR-3B})^{30} \\ \\ {\sf VF} \ 64,0 \ ({\sf PR-3B})^{30} \\ \\ {\sf VF} \ 76,1 \ ({\sf PR-3B})^{30} \\ \end{array}$	574508 574510 574512 570125 570125 570135 570145 570155 570165 570165 572816 572817 572818 572817 572818 574504 574504 574506 574510 574512 570115 57015 57015 57015 57015 570165 570165 570175 572816	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RADIANT WATTS RADIANT Watts RadiantPEX-AL Wavin Tigris K1	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ 3/^{m^*} \\ US \ 3/^{m^*} \\ US \ 3/^{m^*} \\ US \ 3/^{m^*} \\ US \ 1/^{m^*} \\ US \ 1/^{m^*} \\ US \ 1/^{m^*} \\ US \ 3/^{m^*} \\ US \ 1/^{m^*} \\ US$	572837 572365 572828 570460 570470 570475 570480 571455 571460 571455 571465 571470 571475 571455 571460 571465 571470 571465 571470 571475 570765 570765 570775 570780 570775 570780 570775 570780 570775 570780 570785 570785 570785
iega	$\begin{array}{c} \forall 12 \ 45^\circ \ (PR-2B)^3 \\ \forall G \ 14 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \ 45^\circ \ (PR-2B)^3 \\ \forall 28 \ 45^\circ \ (PR-2B)^3 \\ \forall 28 \ 45^\circ \ (PR-2B)^3 \\ \forall 28 \ 45^\circ \ (PR-2B)^3 \\ \forall 35 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \\ \forall 18 \\ \forall 22 \\ \forall 35 \\ \forall 28 \\ \forall 35 \\ \forall 22 \\ \forall 54 \\ \forall 64, 0 \ (PR-3B)^{90} \\ \forall 12 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 35 \ 45^\circ \ (PR-2B)^3 \\ \forall 45 \ 45 \ (PR-2B)^3 \\ \forall 45 \ 45 \ (PR-2B)^3 \\ \forall 45 \ 45 \ (PR-2B)^3 \\ \forall 45 \ (PR-2B)^3 \ (PR-2B)^3 \\ \forall 45 \ (PR-2B)^3 \ (PR-2B)^3 \\ \forall 45 \ (PR-2B)^3 \ (PR-2B)^3 \ (PR-2B)^3 \\ \forall 45 \ (PR-2B)^3 $	572818 574502 574504 574504 574504 574508 574508 574510 574512 570175 570155 570155 570155 570165 570165 570165 570165 570165 572815 574502 574504 574506 574508 574508 574510 574512 570175 570155	Sanpress Inox	$\begin{array}{c} {\sf V} 28 \ 45^\circ \ ({\sf PR-2B})^3) \\ {\sf V} 35 \ 45^\circ \ ({\sf PR-2B})^3) \\ {\sf V} 15 \\ {\sf V} 18 \\ {\sf V} 22 \\ {\sf V} 28 \\ {\sf V} 35 \\ {\sf V} 42 \\ {\sf V} 54 \\ {\sf VF} 64,0 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 76,1 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 76,1 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 108,0 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 108,0 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 108,0 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 1545^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 1545^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 1845^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 2845^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 2845^\circ \ ({\sf PR-2B})^3 \\ {\sf V} 18 \\ {\sf V} 22 \\ {\sf V} 28 \\ {\sf V} 54 \\ {\sf V} 64 \\ {\sf VF} 66,0 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 76,1 \ ({\sf PR-3B})^{3(6)} \\ {\sf VF} 88,9 \ ({\sf PR-3B})^{3(6)} \\ \\ \\ {\sf VF} 88,9 \ ({\sf PR-3B})^{3(6)} \\ \\ \\ {\sf VF} 88,9 \ ({\sf PR-3B})^{3(6)} \\ \\ \\ {\sf VF} 88,9 \ ({\sf PR-3B})^{3(6)} \\ \\ \\ {\sf VF} 88,9 \ ({\sf PR-3B})^{3(6)} \\ \\ \\ {\sf VF} 88,9 \ ({\sf PR-3B})^{3(6)} \\ \\ \\ \\ {\sf VF} 88,9 \ ({\sf PR-3B})^{3(6)} \\ \\ \\ \\ \\ \\ {\sf VF} 88,9 \ ({\sf PR-3B})^{3(6)} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	574508 574510 574512 570115 570125 570135 570145 570155 570165 570165 572815 572816 572817 572818 574504 574504 574506 574510 574510 574512 570115 570125 570135 570125 570136 570155 570165 570165 570165 570165 572815	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX WATTS RADIANT Watts RadiantPEX-AL Wavin Tigris K1	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ \%^{**} \\ US \ \%^{**} \\ US \ 1\%^* \\ U \ 20 \ (\%^*) \\ U \ 25 \ (\%^*) \\ U \ 20 \ (\%^*) \\ U \ 20 \ (\%^*) \\ U \ 20 \ (\%^*) \\ U \ 25^* \\ U \ 20 \\ U \ 25^* \\ U \ 32 \\ U \ 40 \\ U \ 50 \\ U \ 14^* \\ \end{array}$	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571465 571470 571475 571465 571470 571475 571460 571475 571460 571475 570765 570775 570780 570785 570775 570780 570785 570780 570785 570790 570795 570760
rofipress G	V 12 45° (PR-2B) <sup>3</sup> VG 14 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 26 16 45° (PR-2B) <sup>3</sup> V 28 45° (PR-2B) <sup>3</sup> V 28 45° (PR-2B) <sup>3</sup> V 28 45° (PR-2B) <sup>3</sup> V 12 V 15 V 15 V 22 V 28 V 35 V 42 V 54 V 42 V 54 V 54 V 54 V 54 V 54 V 54 V 54 V 54	572818 574502 574504 574504 574508 574508 574510 574512 570175 570155 570155 570155 570155 570155 570155 570155 574502 574504 574506 574508 574508 574506 574510 574512 570175 574506 574512 570175 574506 574512 570175 574508 574512 570175 570155 570135 570135 570135 570135 570135 570135 570135 570135 570135 570135 570135	Sanpress Inox	V 28 45° (PR-2B) <sup>3)</sup> V 35 45° (PR-2B) <sup>3)</sup> V 15 V 18 V 22 V 28 V 35 V 42 V 54 VF 64,0 (PR-3B) <sup>3)</sup> VF 76,1 (PR-3B) <sup>3)</sup> VF 108,0 (PR-3B) <sup>3)</sup> VF 108,0 (PR-3B) <sup>3)</sup> VF 108,0 (PR-3B) <sup>3)</sup> VF 108,0 (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 28 45° (PR-2B) <sup>3</sup> V 15 V 18 V 22 V 28 V 28 V 28 V 28 V 28 V 28 V 2	574508 574510 574512 570115 570125 570135 570145 570155 570165 570165 572816 572816 572817 572818 574504 574506 574508 574508 574508 574512 570115 570125 570135 570145 570145 570145 570145 570155 570145 570145 570155 570145 570145 570155 570145 570155 570145 57015 57015 57015 57015 57015 57017 572818	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RADIANT WATTS RADIANT Watts RadiantPEX-AL Wavin Tigris K1	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ 4^{n*} \\ US \ 4^{n*} \\ US \ 4^{n*} \\ US \ 4^{n*} \\ US \ 1^{1/n} \\ US \ 1^{$	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571465 571470 571475 571455 571460 571465 571465 571465 571465 571470 571475 570765 570775 570780 570765 5707765 5707785 5707780 570785 570780 570785 570790 570795 570790 570795
rofipress G	V 12 45° (PR-2B) <sup>3</sup> VG 14 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 12 V 15 V 12 V 15 V 22 V 28 V 22 V 28 V 24 V 24 V 54 V 42 V 54 V 54 V 54 V 54 V 54 V 54 V 54 V 54	572818 574502 574504 574504 574506 574508 574508 574510 574512 57017 570125 570135 570145 570145 570155 570165 570175 572815 574502 574502 574504 574510 574512 57017 574515 57015 57015 57015 570145 57015 57015 570145 57015 570145 57015 570145 570145 57015 5770145 57050 574502	Sanpress Inox	V 28 45° (PR-2B) <sup>3</sup> ) V 35 45° (PR-2B) <sup>3</sup> V 15 V 15 V 22 V 28 V 35 V 42 V 54 VF 64,0 (PR-3B) <sup>3</sup> V 54 VF 76,1 (PR-3B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 23 45° (PR-2B) <sup>3</sup> V 24 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup> V 18 V 22 V 28 V 28 V 28 V 28 V 28 V 28 V 2	574508 574510 574512 570115 570125 570135 570145 570155 570165 570165 572816 572816 572816 572817 572818 574504 574506 574508 574508 574510 574512 570115 57015 57015 57015 57015 57015 570165 57015 570165 570165 570175 572816 572816 572817 572818 572818	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX WATTS RADIANT Watts RadiantPEX-AL Wavin Tigris K1	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ 4''^* \\ US \ 4''^* \\ US \ 4''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 4''^* \\ US \ 4''^* \\ US \ 1''^* \\ U \ 10^* \\ U \ 20^* \\ U \ 32 \\ U \ 40 \\ US \ 50 \\ U \ 14^* \\ U \ 10^* \\ U \ 20^* \\ U \ 20^$	572837 572365 572828 570460 570470 570475 570480 571450 571450 571455 571460 571465 571470 571475 571455 571460 571465 571460 571465 571475 571465 571475 570765 570785 570785 570785 570780 570785 570780 570785 570790 570795 570790 570795 570760
rrofipress G	$\begin{array}{c} \forall 12 \ 45^\circ \ (PR-2B)^3 \\ \forall G \ 14 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \ 45^\circ \ (PR-2B)^3 \\ \forall 18 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 23 \ 45^\circ \ (PR-2B)^3 \\ \forall 12 \\ \forall 15 \\ \forall 18 \\ \forall 22 \\ \forall 28 \\ \forall 35 \\ \forall 22 \\ \forall 28 \\ \forall 35 \\ \forall 22 \\ \forall 28 \\ \forall 35 \\ \forall 18 \\ \forall 22 \\ \forall 54 \\ \forall 64, 0 \ (PR-3B)^{30} \\ \forall 12 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \ 45^\circ \ (PR-2B)^3 \\ \forall 22 \ 45^\circ \ (PR-2B)^3 \\ \forall 23 \ 45^\circ \ (PR-2B)^3 \\ \forall 35 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \\ \forall 18 \\ \forall 22 \\ \forall 15 \\ \forall 18 \\ \forall 22 \\ \forall 28 \\ \forall 35 \\ \forall 12 \ 45^\circ \ (PR-2B)^3 \\ \forall 15 \ 45^\circ \ (PR-2B)^3 \\ \forall 1$	572818 574502 574504 574504 574508 574508 574500 574510 574512 570107 570115 570125 570125 570135 570145 570145 570165 574502 574504 574504 574504 574505 574504 574510 574510 574512 570175 574504 574512 570175 570155 57055 570550 570	Sanpress Inox	$\begin{array}{l} \lor 28 \ 45^\circ \ (PR-2B)^3) \\ \lor 35 \ 45^\circ \ (PR-2B)^3) \\ \lor 15 \\ \lor 18 \\ \lor 22 \\ \lor 28 \\ \lor 35 \\ \lor 42 \\ \lor 54 \\ \lor 754 \\ $	574508 574510 574512 570115 570125 570135 570145 570155 570165 572816 572816 572817 572818 574504 574508 574508 574512 570115 57015	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX WATTS RADIANT Watts RadiantPEX-AL Wavin Tigris K1	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ 3/^{m^*} \\ US$	572837 572365 572828 570460 570470 570475 570480 571450 571455 571460 571465 571470 571475 571470 571475 571465 571465 571470 571465 571470 571475 570765 570775 570780 570775 570780 570785 570770 570785 570770 570785 570770 570785 570770 570785 570770 570785 570770 570775 570760 570775 570760
Viega Profipress G Viega Profipress S	V 12 45° (PR-2B) <sup>3</sup> VG 14 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 12 V 15 V 12 V 15 V 22 V 28 V 22 V 28 V 24 V 24 V 54 V 42 V 54 V 54 V 54 V 54 V 54 V 54 V 54 V 54	572818 574502 574504 574504 574506 574508 574508 574510 574512 57017 570125 570135 570145 570145 570155 570165 570175 572815 574502 574502 574504 574510 574512 57017 574515 57015 57015 57015 570145 57015 57015 570145 57015 570145 57015 570145 570145 57015 5770145 57050 574502	Sanpress Inox	V 28 45° (PR-2B) <sup>3</sup> ) V 35 45° (PR-2B) <sup>3</sup> V 15 V 15 V 22 V 28 V 35 V 42 V 54 VF 64,0 (PR-3B) <sup>3</sup> V 54 VF 76,1 (PR-3B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 15 45° (PR-2B) <sup>3</sup> V 22 45° (PR-2B) <sup>3</sup> V 23 45° (PR-2B) <sup>3</sup> V 24 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup> V 35 45° (PR-2B) <sup>3</sup> V 18 V 22 V 28 V 28 V 28 V 28 V 28 V 28 V 2	574508 574510 574512 570115 570125 570135 570145 570155 570165 570165 572816 572816 572816 572817 572818 574504 574506 574508 574508 574510 574512 570115 57015 57015 57015 57015 57015 570165 57015 570165 570165 570175 572816 572816 572817 572818 572818	Art press WATTS RADIANT Watts WaterPEX WATTS RADIANT Watts RadiantPEX WATTS RADIANT Watts RadiantPEX-AL Wavin Tigris K1	$\begin{array}{c} U \ 63 \ (S) \\ U \ 75 \ (PR-3B)^{3)} \\ TH \ 16^* \\ TH \ 20^* \\ TH \ 26^* \\ TH \ 32 \\ US \ 4''^* \\ US \ 4''^* \\ US \ 4''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 1''^* \\ US \ 4''^* \\ US \ 4''^* \\ US \ 1''^* \\ U \ 10^* \\ U \ 20^* \\ U \ 32 \\ U \ 40 \\ US \ 50 \\ U \ 14^* \\ U \ 10^* \\ U \ 20^* \\ U \ 20^$	572837 572365 572828 570460 570470 570475 570480 571450 571450 571455 571460 571465 571470 571475 571455 571460 571465 571460 571465 571465 571475 570765 570775 570780 570785 570780 570785 570770 570785 570770 570790 570795 570790 570795 570760

System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.	System	Pressing contour	ArtNo.
/eeConPress	M 12	570100	WeeConPress	M 12	570100	Zetaesse	TH 14*	570455
u	M 15	570110	Kupfer	M 15	570110	Multistrato TH 16* EUROPEX TH 18*	TH 16*	570460
	M 18	570120		M 18	570120		TH 18*	570465
	M 22	570130		M 22	570130		TH 20*	570470
	M 28	570140		M 28	570140		TH 26*	570475
	M 35	570150		M 35	570150		TH 32	570480
	M 42 (4G)	570160		M 42 (4G)	570160		U 14*	570760
	M 54 (4G)	570170		M 54 (4G)	570170		U 16*	570765
	M 42 (PR-3S) <sup>3)</sup>	572706		M 42 (PR-3S)3)	572706		U 18*	570770
	M 54 (PR-3S) <sup>3)</sup>	572708		M 54 (PR-3S)3)	572708		U 20*	570775
	M 12 45° (PR-2B) <sup>3)</sup>	574520		M 12 45° (PR-2B) <sup>3)</sup>		Zetaesse	TH 14*	570455
				M 15 45° (PR-2B) <sup>3)</sup>		Multistrato	TH 16*	570460
	M 15 45° (PR-2B) <sup>3)</sup>			M 18 45° (PR-2B) <sup>3</sup>		ISOPEX	TH 18*	570465
	M 18 45° (PR-2B) <sup>3)</sup>			M 22 45° (PR-2B) <sup>3)</sup>		ISOF LA	TH 20*	570405
	M 22 45° (PR-2B) <sup>3)</sup>			, ,				
	M 28 45° (PR-2B) <sup>3)</sup>			M 28 45° (PR-2B) <sup>3)</sup>			TH 26*	570475
	M 35 45° (PR-2B) <sup>3)</sup>	574530		M 35 45° (PR-2B) <sup>3)</sup>			TH 32	570480
	V 12	570107	WeeConFlex	H 16*	570320		U 14*	570760
	V 15	570115	MVR	H 20*	570350		U 16*	570765
	V 18	570125		H 26*	570370		U 18*	570770
	V 22	570135		H 32	570380		U 20*	570775
	V 28	570145		U 40	570790	Zetaesse Rame	TH 14*	570455
	V 35	570155		U 50	570795	HydroSAN	TH 16*	570460
	V 42	570165		U 63 (PR-3B) <sup>3)</sup>	572837		TH 20*	570470
		570175		U 63 (S)	572365		U 14*	570760
	V 54			TH 16*	570460		U 16*	570765
	V 12 45° (PR-2B) <sup>3)</sup>	574502		TH 20*	570470		U 20*	570775
	V 15 45° (PR-2B) <sup>3)</sup>	574504		TH 26*	570475	Zetaesse Rame	TH 14*	570455
	V 18 45° (PR-2B) <sup>3)</sup>	574506		TH 32	570480	ThermoSAN	TH 16*	570460
	V 22 45° (PR-2B) <sup>3)</sup>	574508				memiosAn		
	V 28 45° (PR-2B) <sup>3)</sup>	574510		TH 40	570485		TH 20*	570470
	V 35 45° (PR-2B) <sup>3)</sup>	574512		TH 50 (S)	572400		U 14*	570760
	SA 12	570930		TH 63 (S)	572405		U 16*	570765
	SA 15	570935	WEM	U 16*	570765		U 20*	570775
	SA 18	570940	WIELAND	TH 14 <sup>2)</sup>	570455	ZEWOTHERM	TH 12*	570452
	SA 22	570945	cuprotherm	TH 16 <sup>2)</sup>	570460		TH 16*	570460
	SA 28	570950	CTX <sup>2)</sup>	TH 18 <sup>2)</sup>	570465		TH 17*	570462
				TH 20 <sup>2)</sup>	570470		TH 18*	570465
	SA 35	570955		TH 26 <sup>2)</sup>	570475		TH 20*	570470
	SA 42 (PR-3S) <sup>3)</sup>	572710	Winkler	TH 14*	570455		TH 26*	570475
	SA 54 (PR-3S) <sup>3)</sup>	572712		TH 16*	570460		TH 32	570480
eeConPress	M 12	570100		TH 18*	570465		TH 40	570485
Stahl	M 15	570110		TH 20*	570470		TH 50 (S)	572400
	M 18	570120					TH 63 (S)	572405
	M 22	570130		TH 26*	570475	711011		
	M 28	570140		TH 32	570480	ZURN	US 3/8"*	571450
	M 35	570150		TH 40	570485	INDUSTRIES	US 1/2"*	571455
	M 42 (4G)	570160		TH 50 (S)	572400	ZURN PEX	US ¾"*	571460
			WKS-Press	TH 14*	570455		US 1"*	571465
	M 54 (4G)	570170		TH 16*	570460		US 1¼"	571470
	M 42 (PR-3S) <sup>3)</sup>	572706		TH 17*	570462		US 11/2"	571475
	M 54 (PR-3S) <sup>3)</sup>	572708		TH 20*	570470		US 2"	571477
	M 12 45° (PR-2B) <sup>3)</sup>	574520		TH 26*	570475	-		
	M 15 45° (PR-2B) <sup>3)</sup>			TH 32	570480			
	M 18 45° (PR-2B) <sup>3)</sup>			TH 40	570485			
	M 22 45° (PR-2B) <sup>3)</sup>	574526	XtraConnect	F 16*	570715			
	M 28 45° (PR-2B)3)		AllaOonneet					
	M 35 45° (PR-2B) <sup>3)</sup>			F 20*	570725			
eeConPress	M 12	570100		F 26*	570730			
X	M 15	570110		F 32	570735			
~				H 16*	570320			
	M 18	570120		H 20*	570350			
	M 22	570130		H 26*	570370			
	M 28	570140		H 32	570380			
	M 35	570150		TH 16*	570460			
	M 42 (4G)	570160		TH 20*	570470			
	M 54 (4G)	570170		TH 26*	570475			
	M 42 (PR-3S)3)	572706		TH 32	570480			
	M 54 (PR-3S) <sup>3)</sup>	572708		U 16*	570765			
	M 12 45° (PR-2B) <sup>3</sup>							
	, ,		A	U 20*	570775			
	M 15 45° (PR-2B) <sup>3</sup>		(NW 26)		570780			
	M 18 45° (PR-2B) <sup>3)</sup>			U 32	570785			
	M 22 45° (PR-2B) <sup>3)</sup>			VP 16*	570910			
	M 00 45% (DD 00)2)	574528		VP 20*	570915			
	M 28 45° (PR-2B) <sup>3)</sup>	574520		VF 20	570515			

Pressfitting systems for gas installations must only be pressed with pressing tongs/pressing rings which are highlighted in yellow.

Observe the national regulations.

\* These pressing tongs also fit the manual radial press REMS Eco-Press. Observe the national regulations.

<sup>1)</sup> Only pressing tongs from designation "108" (1<sup>st</sup> quarter of 2008), "208" (2<sup>nd</sup> quarter of 2008) etc. can be used. The designation is stamped on every pressing jaw.

<sup>2)</sup> For this pressfitting system producing a pressing joint with manual radial presses is not permitted.

<sup>3)</sup> Adapter tongs are required for driving pressing rings (PR), see page 158.

<sup>4)</sup> Press fittings made of red bronze (ProPress XL) must be pressed with pressing rings with press contour VUSR, copper fittings (ProPress XL-C)

and stainless steel fittings (ProPress XL-S) with pressing rings with press contour VUSF.

<sup>5)</sup> For taking suitable pressing inserts.

<sup>6)</sup> Press fittings made of red bronze (Sanpress XL) must be pressed with pressing rings with press contour VR, copper fittings (Profipress XL, Profipress G XL), carbon steel (Prestabo XL) and stainless steel fittings (Sanpress Inox XL, Sanpress Inox G XL) with pressing rings with press contour VF.

The suitability of REMS pressing tools for pressfitting systems: Date 07.10.2014. For the updated situation regarding suitability status check our website: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

Accessories for REMS radial presses (except REMS Mini-Press ACC) and suitable radial presses of other makes

#### **REMS** pressing tongs

REMS pressing tongs with two pivoted mono block pressing jaws. Top-selling standard version.

REMS pressing tongs (S) with one fixed and two pivoted pressing segments,

**REMS pressing rings (PR-3S)** REMS pressing ring (PR-3S) with 3 swivellable pressing segments mounted on a jointed ring for large dimension complex pressings. Ideal pressing through

radially controlled movement of pressing segments, with adapter tongs.

#### **REMS pressing tongs (4G)**

**REMS pressing tongs (S)** 

for midsize dimensions.

REMS pressing tongs (4G) with two pivoted, parallel aligned pressing segments for linear pressing of midsize dimensions.









#### **REMS pressing rings (PR-3B)**

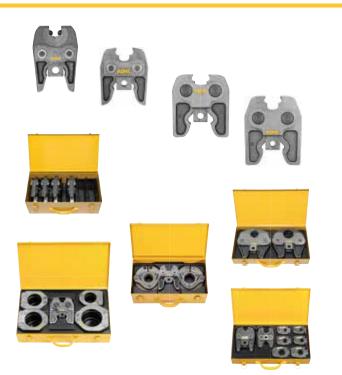
REMS pressing rings (PR-3B) with 3 pressing segments for high quality, large dimension pressings Optimum pressing by radially controlled movement of the pressing segments with adaptor tongs.

**REMS pressing rings 45° (PR-2B)** REMS pressing ring 45° (PR-2B) with 2 pressing jaws for pressings at places of difficult access, with adapter tongs.





Description	ArtNo.	
Adapter tongs Z1 for driving REMS pressing rings 45° (PR-2B)	574500	
Adapter tongs Z2 for driving REMS pressing rings M 42–54 (PR-3S), SA 42–54 (PR-3S)	572795	
<b>Adapter tongs Z4</b> for driving REMS pressing rings F 75 (PR-3B), TH 63–75 (PR-3B), U 63–75 (PR-3B)	572801	
Adapter tongs Z5 For driving REMS pressing rings VF/VR 64–108 (PR-3B), VUSF/VUSR 2½–4" (PR-3B), VAUF 65–100 (PR-3B)	572802	
Steel case with insert for 6 pressing tongs (up to Ø 35 mm/1" and pressing tongs U 40, U 50, TH 40, F 40, F 50, G 40, VUS 1¼")/cropping tongs and compartment for pipe cutter up to 42 mm	570295	
Steel case with insert for 2 pressing tongs (M 42 (4G), M 54 (4G), V 42, V 54, H 40, H 40 A, VUS 1½", VUS 2")	570290	
Steel case with insert for adapter tongs with pressing rings M 42 (PR-3S) and M 54 (PR-3S) or with pressing rings SA 42 (PR-3S) and M 54 (PR-3S).	572810	
<b>Steel case</b> with inlay for adapter tongs and 4 pressing rings VF 64,0–108,0/VR 76,1–108,0/ VUSF 2½–4"/VUSR 2½–4" (PR-3B)	572809	
Steel case with insert for adapter tongs Mini Z1 and adapter tongs Z1 and 6 REMS pressing rings V 12–35 45° (PR-2B) or M 12–35 45° (PR-2B)	574516	



## **Confirmation of suitability**

The suitability of crimping tools is determined basically by the manufacturer of crimping tools. Moreover the suitability of REMS crimping tools has been confirmed by the system manufacturer/supplier himself or approved through independent testing institutes.

## Confirmation of suitability through the system manufacturer/supplier

More than 90 % of the manufacturers/suppliers of the pressfitting systems listed herein have tested REMS pressing tongs and confirmed the suitability for their pressfitting system.

## Confirmation of suitability through independent testing institutes

The suitability of REMS pressing tongs for additional pressfitting systems have been confirmed through independent technical institutes:

#### **TÜV-Certificates**

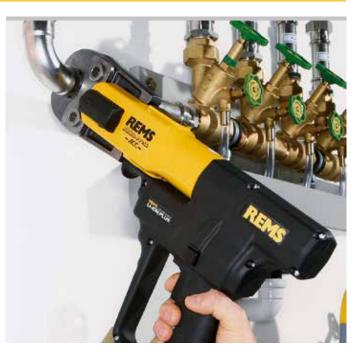
Available for Geberit Mepla, Geberit Mapress C-STAHL, Geberit Mapress EDELSTAHL, Geberit Mapress Kupfer, Nussbaum Cupress, Nussbaum Optipress, Uponor Unipipe, Viega-'profipress', Viega-'profipress G', Viega-'sanfix P', Viega-'sanpress', Viega-tviegatherm P', Wavin Tigris. The TÜV-certificates confirm that REMS crimping tools are suitable for producing perfect and system-conformity pressing joints corresponding to these systems.

#### Suitability test according to DVGW W 534 (potable water)

Pressing joints produced with REMS pressing tools were tested by the stateoperated material testing institute in Darmstadt/Germany or the material testing institute of the Land of North-Rhine-Westphalia, Germany according to DVGW work sheet W 534. These material testing institutes are certified by the DVGW for making these tests. A representative cross-section of press joints of pressfitting systems Geberit Mapress Edelstahl, Raccorderie Metalliche inoxPRES, Raccorderie Metalliche steelPRES, Uponor Unipipe and Viega 'profipress' was tested. The tests led to the result that all REMS pressing tools are suitable for producing perfect and system conformity pressing joints in accordance with these systems.

## Suitability test according to DVGW VP 614/625 or prEN 1254-7 (gas)

Pressing joints made with REMS pressing tools have been tested by the TÜV or by the Land Material Testing Institute Nordrhein-Westfalen or the DVGW Research Institute Karlsruhe according to DVGW Regulations VP 614/625 or by the BSI (UK) according to prEN 1254-7. A representative cross-section of pressing joints of the pressfitting systems Geberit Mapress Edelstahl Gas, Geberit Mapress Kupfer Gas, Henco Gas, IBP >B<press Gas, Kembla KemPress Gas, Pegler Yorkshire X-Press Copper Gas, Uponor MLC-G, Viega-'profipress G', Viega-'sanpress INOX G', Viega-'propress G GAS' (AUS) was tested. The tests led to the result that all REMS pressing tools are suitable for producing perfect and system conformity pressing joints in accordance with these systems.









## **Hold-Harmless and Indemnification Agreement**

#### **REMS** is the first system-independent machine and tool manufacturer to sign liability acceptance agreements for pressing tools.

A hold-harmless and indemnification agreement exists with the:

Zentralverband Sanitär Heizung Klima (Central Organization for the Sanitary-, Heating- and Climatization Industries), Rathausallee 6, D-53757 St. Augustin, referred to in the following as "ZVSHK"

Bundesindustrieverband Technische Gebäudeausrüstung e.V., Hinter Hoben 149, 53129 Bonn, referred to in the following as "BTGA",

Verband Deutscher Kälte-Klima-Fachbetriebe e. V. (German Association for Coolant & Air-Conditioning Profession Industries), Kaiser-Friedrich-Straße 7, D-53113 Bonn, referred to in the following as "VDKF",

Schweizerisch-Liechtensteinischem Gebäudetechnikverband (Swiss-Liechtenstein Technical Building Association), Auf der Mauer 11, CH-8023 Zürich, referred to in the following as "suissetec".

The Zentralverband Sanitär Heizung Klima (ZVSHK), the Bundesindustrieverband Technische Gebäudeausrüstung e. V. (BTGA), the Verband Deutscher Kälte-Klima-Fachbetriebe e. V. (VDKF) and the Schweizerisch-Liechtensteinische Gebäudetechnikverband (suissetec) have made liability acceptance agreements in the interests of trade and industry with REMS GmbH & Co KG (REMS) for the radial pressing tools.

Manual radial press REMS Eco-Press

- Cordless radial press REMS Mini-Press ACC
- Electric radial press REMS Power-Press SE
- Electro-hydraulic radial press REMS Power-Press
- Electro-hydraulic radial press REMS Power-Press ACC
   Cordless radial press REMS Akku-Press
- Cordless radial press REMS Akku-Press ACC
- REMS pressing tongs
- REMS pressing rings
- REMS pressing tongs Mini

This makes REMS the first system-independent machine- and tool manufacturer to have concluded a hold-harmless and indemnification agreement for pressing tools. The conclusion of the agreement was effected on the basis of a successful cooperation established on partnership between REMS, the crafts, trades and industry and their organizations.

Eligible for services and performances from this agreement are all independent professional craftsmen, and companies of such, who are enrolled in the register of artisans and craftsmen (referred to in the following as "SHK-Establishments"), in as far as they have been members of the crafts guild of the sanitary- heatingand climatization enterprises competent for their business location at the time the damage event has arisen, and this crafts guild is associated with a regional guild association, which is a member of the ZVSHK.

Entitled to the services from the agreement with the BTGA are all building technology companies (hereinafter referred to as "TGA companies" ) insofar as they were a member of the Bundesindustrieverband Technische Gebäudeausrüstung responsible at the seat of their company at the time of the damage case and therefore an indirect member of the BTGA or direct member of the BTGA.

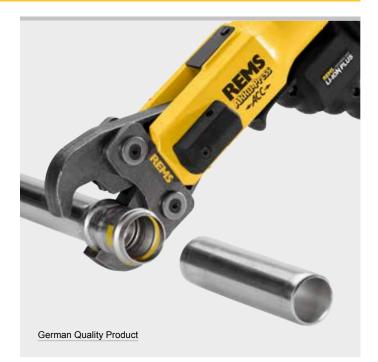
Eligible for services and performances from this agreement with the VDKF are all coolant systems companies or professional organisations (referred to as Coolant and Air-Conditioning Profession Industries) who, at the time the damage is caused, are members of the VDKF.

Eligible for services and performances from this agreement are all building systems companies (following TGA companies) who, at the time the damaged is caused, are members of suissetec.

In as far as the radial pressing tools mentioned show a defect with regard to construction, manufacture or material, or if the operator's manuals are faulty, thereby causing damage for the customer of the SHK-establishment, the Coolant and Air-Conditioning Profession Industries, or the TGA-companies, for which the SHK-establishment or the TGA-company is liable, then REMS shall be additionally liable - aside of the statutory prescriptions – for the consequences resulting from leakage, in accordance with the stipulations and provisions of this hold-harmless agreement.

The hold-harmless and indemnification agreement shall be independently valid, regardless of which pressfitting system is pressed with the REMS pressing tools. The current status regarding suitability of the REMS pressing tools for pressfitting systems can be viewed on the Internet: www.rems.de  $\rightarrow$  Downloads  $\rightarrow$  Product catalogues, brochures  $\rightarrow$  REMS Catalogue.

Please consult Mr. Walter Hindelang for further information: walter.hindelang@rems.de.



Reliable and safe: REMS was the first system-independent machine and tool manufacturer to sign liability acceptance agreements for pressing tools as early as the year 2000.

**BTG** 

ZVSHK







## **REMS cropping tongs**

High performance cropping tongs in forged and specially hardened steel for cutting threaded rods.

Steel, stainless steel up to hardness classification 4.8 (400 N/mm<sup>2</sup>) M 6–M 12

#### REMS cropping tongs - for cutting threaded rods.

Made of forged and specially hardened steel.

Reversible cropping inserts for double service life.

M cropping inserts with high precision thread contour machined on CNC machining centres for exact guiding of the threaded rod in the cutting process Pliers parts, cropping inserts and specially machined and hardened cutting edges, made to fit exactly, for cutting without burr

Threaded rod can be screwed into a threaded connection of the pipe clip or the nut without rework after cutting

Cutting device in pliers design (Patent EP 1 459 825, patent US 7,284,330). Drive through all REMS radial presses (except radial presses Mini) and through suitable radial presses of other makes. All cropping tongs marked with \* have an optional connection (Patent EP 1 223 008, patent US 6,739,172) for manual drive through the radial press REMS Eco-Press.

#### Supply format

REMS cropping tongs. Cropping tongs with 1 pair of reversible cropping inserts for steel, stainless steel, M 6-M 12. In a carton

Description	for threaded rods	ArtNo.
REMS cropping tongs M 6*	M 6	571890
REMS cropping tongs M 8*	M 8	571895
<b>REMS cropping tongs M 10</b>	M 10	571865
<b>REMS cropping tongs M 12</b>	M 12	571870

#### Accessories

Description	for threaded rods	ArtNo.	
Cropping inserts M 6 (pair)	M 6	571891	
Cropping inserts M 8 (pair)	M 8	571896	
Cropping inserts M 10 (pair)	M 10	571866	
Cropping inserts M 12 (pair)	M 12	571871	
Steel case with insert for 6 cro tongs and compartment for pip	570295		

## **REMS** cable shear

High-grade cable shear in forged and specially hardened steel for cutting electric cable.

Electric cable

 $\leq$  300 mm<sup>2</sup> (Ø 30 mm)

#### REMS cable shear – Easy cutting of electric cable.

Made of forged and specially hardened steel.

Replaceable cutting blades manufactured on CNC production centres ensure a precision blade geometry and long service life. Large cutting range. Drive through electric REMS radial presses (except REMS Mini-Press ACC) and through suitable radial presses of other makes



German Quality Product



Accessories for REMS radial presses (except REMS Mini-Press ACC) and suitable radial presses of other makes





German Quality Product

Patent EP 1 223 008 Patent US 6,739,172 Patent EP 1 459 825 Patent US 7,284,330





Accessories for REMS radial presses (except REMS Mini-Press ACC) and suitable radial presses of other makes



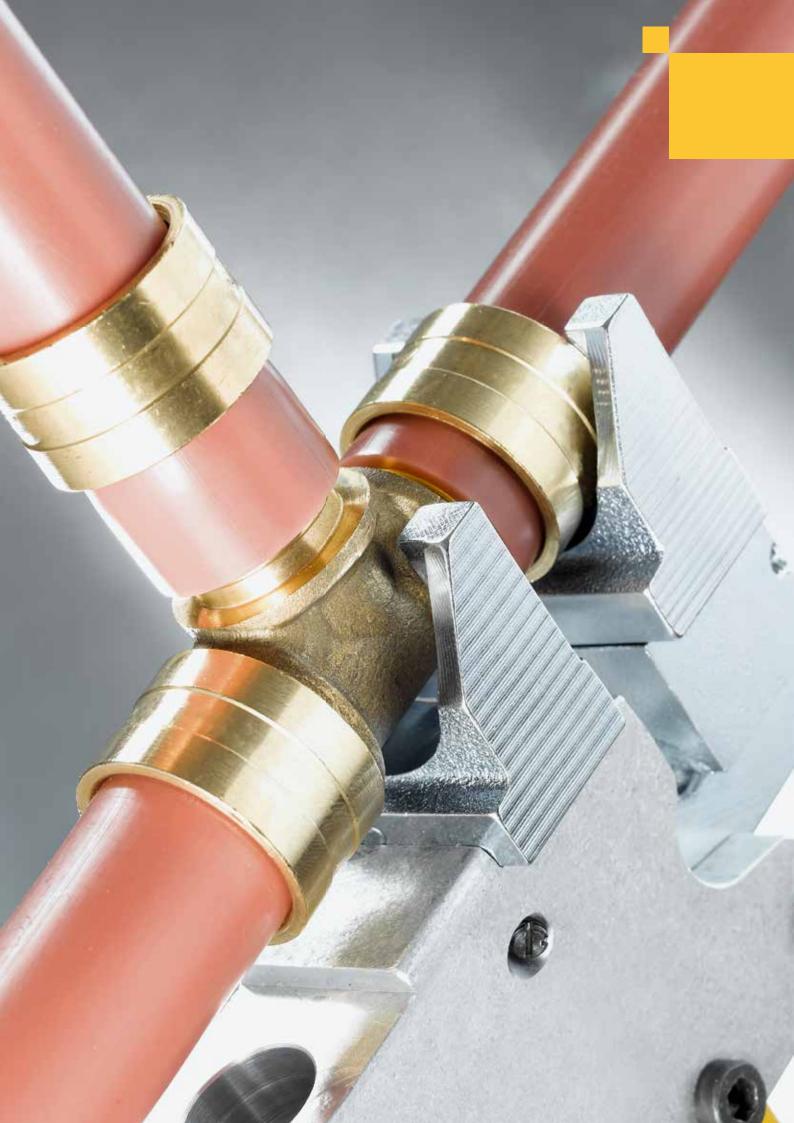
#### Supply format

REMS cable shear. Cable shears with 2 changeable cable cutters for electric cables ≤ 300 mm<sup>2</sup> (Ø 30 mm). In a carton

> Art.-No. 571887

Description	ArtNo.	
Cable cutters (pack of 2)	571889	





## **Axial Press Jointing**

7	Cordless axial press 25 / 25 L	164
Contraction of the second seco	Manual axial press	166
44	Compression heads	167
7	Cordless axial press 40 Compression heads	169

Compact, handy electric tool for producing compression sleeve joints and for expanding tubes. For battery and corded operation. For trade and industry. For the building site and the workshop.

Axial compression

Ø 12-40 mm

REMS Ax-Press 25 ACC – universal up to Ø 40 mm. Super light, super handy. Fast. With automatic return. Optimum weight distribution for single-hand operation. Swivelling compression device.

#### System advantage

Only one type of compression heads for REMS Ax-Press HK, REMS Ax-Press H, REMS Ax-Press 25 and REMS Ax-Press 25 L. Thus easy, economic stocking.

#### Compression heads for all common systems

Full range of REMS compression heads for all common compression sleeve systems (page 167–168). Choice of REMS compression heads with spring lock for

seating common compression inserts. High-grade compression heads in forged and specially hardened steel. The REMS compression heads are system-specific and meet the demands of compression sleeve systems. Thus perfect systemconformity, safe jointing.

#### Expander heads for all common systems

Complete assortment of REMS expander heads for all common compression sleeve systems. The REMS compression heads are system-specific and correspond to the respective compression sleeve system. Thus perfect system-conformity, precise expanding.

#### Design

Compact, handy, light. REMS Ax-Press 25 drive machine with battery weighs only 2.9 kg, only 29 cm long REMS Ax-Press 25 L drive machine with battery weighs only 3.1 kg, only 32 cm long REMS Ax-Press 25 and REMS Ax-Press 25 L with 40 mm stroke respectively REMS Ax-Press 25 with preset compression head position for pressing compression sleeve connectors with a clamping distance < 82 mm in one action REMS Ax-Press 25 L with selectable compression head position for pressing compression sleeve connectors with a clamping distance < 116 mm in one action and for double pressings. Works anywhere, free-hand, overhead, in confined areas. Optimum weight distribution for single-hand operation. Ergonomically shaped housing with recessed grip. Integrated LED work light for illuminating the work place. Swivelling compression device for working in confined area. Extension for enlarging the clamping distance on the pressing sleeve connector, also for double pressings, as an accessory. Compression heads quickly interchangeable, without tools. Secure spring lock seating of compression heads. For battery and corded operation. Electronic charging status check with flat battery protection and charging status indicator with 2-coloured LED.

#### Drive

Enormous pressing force for fast and perfect jointing. Powerful electro-hydraulic drive with automatic return (ACC), eccentric reciprocating pump with robust planetary gear. Powerful electro-hydraulic drive with powerful battery motor 14.4 V, 420 W output, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch.

#### Battery or mains operation

Li-Ion PLÚS technology. Highly resistant Li-Ion 14.4 V battery with 1.6 or 3.2 Ah capacity for long service life. Powerful and light. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range –10 to +60 °C. No memory effect for maximum battery power. Rapid charger for short charging times. Li-Ion 230 V voltage supply for mains operation instead of Li-Ion 14.4 V battery, as accessory.

#### Expanding

Various pipe expanders and complete range of REMS expanding heads for all common pressure sleeve systems





German Quality Product





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1.162

#### Supply format

REMS Ax-Press 25 ACC Basic-Pack. Cordless axial press for producing compression sleeve joints Ø 12–40 mm. 40 mm stroke, for pressing compression sleeve connections with a clamping distance ≤ 82 mm. For driving REMS pressing heads. Electro-hydraulic drive with powerful battery motor 14,4 V, 420 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system, safety tip switch, swivelling pressing device. Integrated LED work light. Battery Li-Ion 14.4 V, 1.6 Ah, rapid charger Li-Ion/Ni-Cd 230 V or 110 V, 50–60 Hz, 50 W. Without compression heads. In sturdy steel case. Art.-No.

573033

Other voltages on request.

#### Supply format

REMS Ax-Press 25 L ACC Basic-Pack. Cordless axial press for producing compression sleeve joints Ø 12–40 mm. 40 mm stroke, for pressing compression sleeve connections with a clamping distance ≤ 116 mm. For driving REMS pressing heads. Electro-hydraulic drive with powerful battery motor 14,4 V, 420 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system, safety tip switch, swivelling pressing device. Integrated LED work light. Battery Li-Ion 14.4 V, 1.6 Ah, rapid charger Li-Ion/Ni-Cd 230 V or 110 V, 50–60 Hz, 50 W. Without compression heads. In sturdy steel case.

	 ArtNo.	
_	573034	
04		

Other voltages on request.

#### Combi Set

Space and weight saving Combi Set, consisting of REMS Ax-Press 25 ACC and REMS Akku-Ex-Press P ACC For fast and simple expanding of pipes and pressing of compression sleeve connectors with a clamping distance of  $\leq$  82 mm For details of the REMS Akku-Ex-Press P ACC. see page 175. Advantage: only 1 steel case for REMS Ax-Press 25 ACC and REMS Akku-Ex-Press P ACC, expanding heads and compression heads Price advantage.

#### Supply format

**REMS Ax-Press 25 ACC / Akku-Ex-Press P ACC Combi Set Basic.** Space and weight saving Combi Set, consisting of REMS Ax-Press 25 ACC drive machines for producing compression sleeve connections Ø 12–40 mm, with 40 mm stroke, for pressing compression sleeve connectors with a clamping distance of  $\leq$  82 mm and REMS Akku-Ex-Press P ACC for fast expanding of plastic and composite tubes Ø 12–40 mm. 2 Li-ion 14.4 V, 1.6 Ah batteries, Li-ion/Ni-Cd 230 V, 50–60 Hz, 65 W rapid charger. Without compression heads. Without expanding heads. In sturdy steel case.

ArtNo.	
573035	

Other voltages on request.

Description	ArtNo.	
REMS compression heads see page 167-168.		
Expander heads P see page 177.		
REMS Ax-Press 25 ACC drive unit, without battery	573003	
REMS Ax-Press 25 L ACC drive unit, without battery	573004	
REMS Akku-Ex-Press P ACC drive unit, without battery	575008	
Battery Li-Ion 14,4 V, 1.6 Ah	571545	
Battery Li-Ion 14.4 V, 3.2 Ah	571555	
Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W	571560	
Voltage supply Li-Ion 230 V for mains operation instead of battery Li-Ion 14.4 V.	571565	
Steel case with insert	578290	
Steel case with inlay for cordless axial press and cordless pipe expander	573284	
REMS cordless LED lamp see page 97	175200	







## **REMS Ax-Press HK / H**

Universal manual axial press for producing compression sleeve joints.

Axial compression

Ø 12-32 mm

#### REMS Ax-Press HK – universal up to Ø 22 mm Ultra small, ultra light, ultra handy. Only 1.1 kg

#### REMS Ax-Press H – universal up to Ø 32 mm.

Handy and light. Only 1.4 kg.

Complete assortment of REMS compression heads, quickly interchangeable.

#### System advantage

Only **one** type of compression heads for REMS Ax-Press HK, REMS Ax-Press H, REMS Ax-Press 25 and REMS Ax-Press 25 L. Thus easy, economic stocking.

#### **Compression heads**

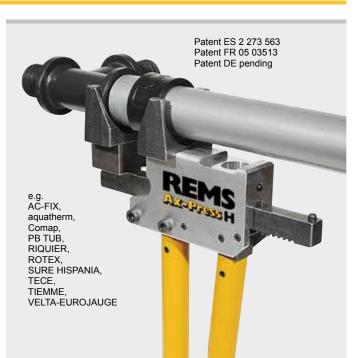
Full range of REMS compression heads for all common compression sleeve systems (page 167–168). Choice of REMS compression heads with spring lock for seating common compression inserts. High-grade compression heads in forged and specially hardened steel. The REMS compression heads are system-specific and meet the demands of compression sleeve systems. Thus perfect system-conformity, safe jointing.

#### Design

Compact, job site proven. Handy and light. REMS Ax-Press HK drive unit only 1.1 kg. REMS Ax-Press H drive unit only 1.4 kg. Works anywhere, free-hand, also in tight spots. 66 mm stroke. Quick-acting forward and release for easy, fast operation. Selectable compression head position (Patent ES 2 273 563, Patent FR 05 03513, Patent DE pending) for pressing compression sleeve connectors with a clamping distance of  $\leq$  161 mm in one action and for double pressings. Quick-change compression heads and pressing inserts without tools. Secure fit of compression heads and pressing inserts by spring catch.

#### Expanding

Various pipe expanders and complete range of REMS expanding heads for all common compression sleeve systems (page 174–177).









German Quality Product



#### Supply format

**REMS Ax-Press HK drive unit.** Axial press for single-handed operation for producing compression sleeve joints Ø 12-22 mm. 66 mm stroke. With quick-acting forward and release. For driving REMS compression heads. In a carton.

ArtNo.
574302

#### Supply format

**REMS Ax-Press H drive unit.** Manual axial press for producing compression sleeve joints Ø 12–32 mm. 66 mm stroke. With quick-acting forward and release. For driving REMS compression heads. In a carton.

			ArtNo.	
			574300	

Description	ArtNo.				
REMS compression heads see page 167–168.					
Carrying bag for REMS Ax-Press HK/H drive unit and compression heads	574437				
Case with inlay for REMS Ax-Press HK drive unit and compression heads	574352				





## **REMS compression heads**

## Accessories for REMS Ax-Press HK, REMS Ax-Press H, REMS Ax-Press 25, REMS Ax-Press 25 L





## REMS compression heads with spring lock for commercially available press inserts

Description	Use
Compression head Basic 20 (pack of 2)	for pipe fittings 20 mm and for standard press inserts outer Ø 20 mm
Compression head Basic 25 (pack of 2)	for pipe fittings 25 mm and for standard press inserts outer Ø 25 mm
Compression head Basic 32 (pack of 2)	for pipe fittings 32 mm and for standard press inserts outer Ø 32 mm



## REMS compression head for T-pieces, elbows, splitters, transition pieces

Description	Use
Compression head UNI T/L (piece)	for T-pieces, elbows, splitters, in combination with an additional compression head; for transition pieces, in combination with a support bol









#### **REMS** support bolt for transition pieces

Description	for transition pieces inch	ArtNo.		
Support bolt %"	3/8	573647		
Support bolt 1/2"	1/2	573648		
Support bolt <sup>3</sup> / <sub>4</sub> "	3/4	573649		





## **REMS compression heads**

#### Accessories for REMS Ax-Press HK, REMS Ax-Press H, REMS Ax-Press 25, REMS Ax-Press 25 L

#### Select compression heads yourself!

Search for the required compression sleeve system in the table below and select the correct compression heads.

High-grade compression heads in forged and specially hardened steel. Quickly interchangeable, without tools. The REMS compression heads are system-specific and comply with the requirements of the respective compression leave system. Thus perfect system-conformity, safe jointing. Drive through REMS axial presses.





fits

Compr. heads Uni

Pressure sleeves Compression Number of

Compr. head UNI T/L

Compr. heads Basic for press inserts

Art.-No.

Pressure sleeves system	Compression head mm	Number of pressing	F		its Ax-Pre	ss	ArtNo.	
		heads	HK <sup>1)</sup>	Н	25	25 L		
AC-FIX (Global Piping	UNI 12 UNI 16	2	:	•		•	573630 573632	
System)	UNI 20	2 2		:		:	573632	
-,,	UNI 25	2		•		•	573640	
	UNI 32 UNI T/L**	2		:		:	573644 573646	
	Basic 20*	2					573624	
	Basic 25*	2	•	•		•	573616	
aquatherm	Basic 32* AT 16	2	•	•	•	•	573628 573120	
aquationi	AT 20	2			•		573122	
	AT 25	2			•		573124	
	AT 32 AT 40	2			:		573126 573128	
BRASELI	UNI 12	2	•	•		•	573630	
	UNI 16 UNI 20	2		:		:	573632 573636	
	UNI 25	2	-	•		•	573640	
	UNI 32 UNI T/L**	2		•		:	573644 573646	
	Basic 20*	2					573624	
	Basic 25*	2	•	•		•	573616	
Brass & Fittings	Basic 32* UNI 16	2	•	•		•	573628 573632	
Brass a ritangs	UNI 20	2	•	•		•	573636	
	UNI 25	2		•		•	573640	
	UNI 32 UNI T/L**	1	•			:	573644 573646	
	Basic 20*	2	•	•		•	573624	
	Basic 25* Basic 32*	2	:	:		:	573616 573628	
Brasstech Raptor/	ME 14	2		- T	•	-	573100	
Metalpex/	ME 16	2			•		573102	
Raptor 2/ MULTItermoSAN	ME 20 ME 26	2			:		573106 573108	
COMAP PEXY	UNI 12	2	•	•			573630	
	UNI 16 UNI 20	2	:	:			573632 573636	
	UNI 25	2	- T				573640	
	UNI 32	2		•			573644	
	UNI T/L** Basic 25*	1		:			573646 573616	
	Basic 32*	2	•	•			573628	
EUROP'FLUIDES	UNI 12	2	:	•		•	573630	
HYDROFLUIDES	UNI 16 UNI 20	2		:		:	573632 573636	
	UNI 25	2		•		•	573640	
	UNI 32 UNI T/L**	2		:		:	573644 573646	
	Basic 25*	2	•	•		•	573616	
Fittings Estándar	Basic 32* UNI 12	2	•	•		•	573628 573630	
Fillings Estanual	UNI 16	2					573632	
	UNI 20	2	•	•		•	573636	
	UNI 25 UNI 32	2		:		:	573640 573644	
	UNI T/L**	1	•	•		•	573646	
	Basic 20* Basic 25*	2	:	:		:	573624 573616	
	Basic 32*	2	•	•		•	573628	
General Fittings Serie 3400 PEX	RE 16 RE 20	2			:		573160 573162	
Selle 3400 PEA	RE 20	2					573172	
	RE 32	2			•		573178	
	RO 16 RO 20	2			:		573184 573186	
General Fittings	RE 16	2			•		573160	
Serie 3400 PEX/AL/PEX	RE 20 RE 25	2 2			:		573162	
I ENALIFEA	RE 25 RE 32	2					573172 573178	
	RO 16	2			•		573184	
General Fittings	RO 20 TC 12/14/16	2			•		573186 573360	
Serie 3700	TC 18/20	2			:		573364	
PEX	TC 25 TC 32	2 2			•		573367	
General Fittings	TC 12/14/16	2		<u> </u>	•		573370 573360	
Serie 3700	TC 12/14/16 TC 18/20 TC 25 TC 32	2			•		573364	
PEX/AL/PEX	TC 25	2 2			:		573367 573370	
General Fittings	ME 14	2			•		573100	
Serie 5400	ME 16 ME 20	2 2			:		573102	
	ME 20 ME 26	2					573106 573108	
IVT PRINETO	IV 16	3 3			•		573320	
	IV 20 IV 25	3			:		573325 573330	
	IV 32	3			•		573335	
ISOLTUBEX	UNI 12 UNI 16	2 2	:	:		:	573630 573632	
	UNI 20	2		:		:	573636	
	UNI 25	2		•		•	573640	
	UNI 32 UNI T/L**	2	•	:		:	573644 573646	
	Basic 20*	2	•	•		•	573624	
	Basic 25* Basic 32*	2	:	:		:	573616 573628	

Pressure sleeves system	Compression head mm	Number of pressing heads	Б НК <sup>1)</sup>		its Ax-Pre 25	ss 25 L	ArtNo.	
MAXITUB MAXIFIX	UNI 12 UNI 16	2	:	:		:	573630 573632	
WAXIFIX	UNI 20	2					573636	
	UNI 25	2		•		•	573640	
	UNI 32 UNI T/L**	2		:			573644 573646	
	Basic 25*	2					573616	
	Basic 32*	2		•		•	573628	
PB TUB	UNI 12 UNI 16	2	•	•			573630 573632	
Sertigliss	UNI 20	2	:	:			573636	
	UNI 25	2		•			573640	
	UNI 32	2	l	•			573644	
	UNI T/L** Basic 25*	1		:			573646 573616	
	Basic 32*	2	•	•			573628	
PLÁSTICOS FERRO	UNI 16 UNI 20	2	•	•			573632 573636	
FERROPLAST	UNI 25	2	•				573640	
	UNI 32	2		•		•	573644	
	UNI T/L**	1 2	•	•		•	573646 573624	
	Basic 20* Basic 25*	2					573616	
	Basic 32*	2	•				573628	
REHAU	RH 12	2			•		573164	
RAUTHERM (série S 5)	RH 16 RH 20	2			:		573166 573170	
	RH 25	2					573154	
	RH 32	2		L	•		573156	
REHAU RAUTHERM S	RH 17 RH 20	2			:		573168 573170	
(REHAU HAS)	RH 25	2					573170	
	RH 32	2			•		573156	
REHAU	RE 16	2			•		573160	
RAUTITAN PX/MX/SX/RX/	RE 20 RE 25	2			:		573162 573172	
gas/sprinkler	RE 32	2					573178	
- ·	RE 40	2		L	•		573176	
REHAU (GBR) EVERLOC	RH 16 RH 20	2			:		573166 573170	
	RH 25	2					573154	
	RH 32	2			•		573156	
REVEL	RV 16 RV 20	2			:		573400 573402	
	RV 20 RV 25	2					573402	
	RV 32	2			•		573406	
Riquier à	UNI 12	2	٠	٠			573630	
glissement	UNI 16 UNI 20	2	:	:			573632 573636	
	UNI 25	2	- T				573640	
	UNI 32	2		•			573644	
	UNI T/L** Basic 25*	1	:	:			573646 573616	
ROTEX	RO 12	2		•	•		573180	
	RO 16	2		•	•		573184	
	RO 20 RO 25	2		:	:		573186 573188	
	RO 32	2		:			573190	
Seppelfricke SD	RH 16	2			•		573166	
Sistemi Italia SYLVER	RH 20 RH 25	2			:		573170 573154	
JILVER	RH 25 RH 32	2					573154	
Seppelfricke SD	RH 16	2			•		573166	
Sistemi Italia	RH 20	2			•		573170	
NEROflex	RH 25 RH 32	2			:		573154 573156	
SURE HISPANIA	UNI 12	2	•	•	<u> </u>	•	573630	
SURE-CAS	UNI 16	2	•	•		•	573632	
	UNI 20 UNI 25	2	•	:			573636 573640	
	UNI 32	2					573640	
	UNI T/L**	1	•	•		•	573646	
	Basic 20*	2	•	•		•	573624	
	Basic 25* Basic 32*	2	:	:			573616 573628	
TECE TECEflex	TC 12/14/16	2	•	•	•		573360	
	TC 18/20 TC 25	2	•	•	:		573364	
	TC 32	2		:			573367 573370	
TERSIA-Pex	IV 16 IV 20	3		<u> </u>	•		573320	
	IV 20	3			•		573325	
	IV 25 IV 32	3			:		573330 573335	
Velta	UNI 12	2	•	•	<u> </u>	•	573630	
Eurojauge	UNI 16	2	•	•		•	573632	
	UNI 20 UNI 25	2	•	:			573636	
	UNI 25 UNI T/L**	1	•	:			573640 573646	
	Basic 25*	2	•	•		•	573616	
Würth PRINETO	IV 16	3			•		573320	
	IV 20 IV 25	3			:		573325 573330	
	IV 32	3					573335	

 $^{\scriptscriptstyle 1)}\,$  For producing compression sleeve connection of Ø 12–22 mm.

Compression heads with spring lock

for pipe fittings 20 mm and for standard press inserts outer Ø 20 mm **Compression head Basic 20** 

for pipe fittings 25 mm and for standard press inserts outer Ø 25 mm **Compression head Basic 25** 

**Compression head Basic 32** 

for pipe fittings 32 mm and for standard press inserts outer Ø 32 mm

Compression head for T-pieces, elbows, splitters, transition pieces for T-pieces, elbows, splitters, in combination with an additional compression head; Compression head UNI T/L

for transition pieces, in combination with a support bolt, see page 167.

## **REMS Ax-Press 40**

#### Cordless axial press

Compact, handy electric tool for producing compression sleeve joints with crimping sleeve. For trade and industry. For the building site and the workshop.

Axial compression

Ø 12–32 mm

#### REMS Ax-Press 40 Li-lon - up to Ø 32 mm.

Complete assortment of REMS compression heads for all common compression sleeve systems with crimping sleeve. High-grade compression heads in forged and specially hardened steel. The REMS compression heads are system-specific and correspond to the respective compression sleeve system. Thus perfect systemconformity, safe jointing.

#### Design

Compact, handy, light. Drive unit with battery only 5.5 kg. Vertically from the drive unit located pressing device for seating the compression heads (Patent US 6,415,641). Works anywhere, free-hand, overhead, in confined areas. Optimum weight distribution for single-hand operation. Ergonomically shaped housing with recessed grip. Integrated LED work light for illuminating the work place. Swivelling compression device for working in confined area. Compression heads and expander heads quickly interchangeable, without tools. Secure spring lock seating of compression heads. For battery and corded operation. Electronic charging status check with flat battery protection and charging status indicator with 2-coloured LED.

#### Drive

Enormous pressing force for fast and perfect jointing. Powerful electro-hydraulic drive, eccentric reciprocating pump with robust planetary gear. Powerful elec-tro-hydraulic drive with powerful battery motor 14.4 V, 380 W output, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch.

Battery or mains operation Li-Ion PLUS technology. Highly resistant Li-Ion 14.4 V battery with 3.2 Ah capacity, for long service life. Powerful and light. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range - 10 to + 60 °C. No memory effect for maximum battery power. Rapid charger for short charging times. Li-Ion 230 V voltage supply for mains operation instead of Li-Ion 14.4 V battery, as accessory.

#### Supply format

**REMS Ax-Press 40 Set.** Cordless axial press for producing compression sleeve joints with crimping sleeve Ø 12–32 mm. Electro-hydraulic drive with powerful battery motor 14.4 V, 380 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system, safety tip switch, swivelling compression device. Integrated LED work light. Battery Li-Ion 14.4 V, 3.2 Ah, rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W. REMS compression heads corresponding to the respective compression sleeve system. In sturdy steel case

Description	Compression sleeve system	ArtNo.	
Set ME 16-20-26 Set LR 20-22-25	CONVAL, Brasstech Raptor/ Metalpex/Raptor 2/MULTItermo- SAN, Genral Fittings Serie 5400, Georg Fischer pfci ALUPEX-EX- PRESS/Alupex Gas-System Logstor	573061 573064	
Basic-Pack	without compression heads	573060	

#### Accessories

#### **REMS** compression heads

o		
Compression head	ArtNo.	
ME 14 (pack of 2) ME 16 (pack of 2) ME 20 (pack of 2) ME 26 (pack of 2)	573100 573102 573106 573108	
ME 14 (pack of 2) ME 16 (pack of 2) ME 20 (pack of 2) ME 26 (pack of 2)	573100 573102 573106 573108	
ME 14 (pack of 2) ME 16 (pack of 2) ME 20 (pack of 2) ME 26 (pack of 2)	573100 573102 573106 573108	
ME 14 (pack of 2) ME 16 (pack of 2) ME 20 (pack of 2) ME 26 (pack of 2)	573100 573102 573106 573108	
	ArtNo.	
rive unit, without battery	573006	
1	571555	
<b>230 V,</b> 50–60 Hz, 65 W	571560	
Voltage supply Li-Ion 230 V for mains operation instead of battery Li-Ion 14.4 V.		
	573282	
ee page 97	175200	
	ME 14 (pack of 2) ME 16 (pack of 2) ME 20 (pack of 2) ME 26 (pack of 2) ME 14 (pack of 2) ME 14 (pack of 2) ME 20 (pack of 2) ME 26 (pack of 2) ME 16 (pack of 2) ME 16 (pack of 2) ME 20 (pack of 2) ME 20 (pack of 2) ME 14 (pack of 2) ME 16 (pack of 2) ME 16 (pack of 2) ME 26 (pack o	ME 16 (pack of 2)         573102           ME 20 (pack of 2)         573106           ME 26 (pack of 2)         573108           ME 14 (pack of 2)         573100           ME 14 (pack of 2)         573100           ME 16 (pack of 2)         573106           ME 20 (pack of 2)         573106           ME 20 (pack of 2)         573106           ME 26 (pack of 2)         573108           ME 14 (pack of 2)         573100           ME 16 (pack of 2)         573108           ME 20 (pack of 2)         573108           ME 14 (pack of 2)         573108           ME 20 (pack of 2)         573100           ME 16 (pack of 2)         573100           ME 16 (pack of 2)         573102           ME 20 (pack of 2)         573108           ME 20 (pack of 2)         573108           ME 26 (pack of 2)         573108           ST1555         230 V, 50-60 Hz, 65 W         571565           230 V, 50-60 Hz, 65 W         571565           Growans operation V.         571565



German Quality Product









#### **REMS** compression heads

	nouuo	
Compression sleeve system	Compression head	ArtNo.
Logstor	ME 16 (pack of 2)	573102
	LR 20 (pack of 2)	573430
	LR 22 (pack of 2)	573432
	LR 25 (pack of 2)	573434
	LR 28 (pack of 2)	573436
	LR 32 (pack of 2)	573438





## Expanding Extracting

	Hand tube expander Cu	172
	Expander head Cu	172
	Cordless pipe expander Cu	173
	One-hand pipe expander	174
	Hand tube expander P	174
	Cordless pipe expander P	175
	Expander head Cu P	177
	Cordless pipe expander Q&E	178
T	Electro-hydraulic pipe expander Q&E	179
	Hand tube extractor	180
	Electric tube extractor Electric tube expander	181

## **REMS Ex-Press Cu**

Hand tube expander

Proven quality tool for expanding and calibrating pipes for pipe installation without fittings.

Soft copper tubes s ≤ 1.5 mm	Ø 8–42 mm Ø ℁−1%"
Soft aluminium tubes, soft precision steel tubes $s \le 1.2 \text{ mm}$	Ø 8–42 mm Ø ℁−1⅛"
Soft stainless steel tubes $s \le 1 \text{ mm}$	Ø 8–42 mm Ø ¾–1¼"

#### REMS Ex-Press Cu – for making sockets yourself. 6-face mandrel for even and concentric expanding. Extra long sockets according to DVGW. Expander heads with calibration neck, fit other makes as well.

#### Cost advantage

Pipe installation without fittings. No costs for fittings, storage, procurement. Savings in soldering joints, soldering material and working hours. Using up pipe pieces to provide sockets.

#### Design

Robust quality tool. Torsion-free, power-transmitting expander levers with ergonomically designed handles, for effortless expanding. 6-face mandrel for even and concentric expanding. Extra long sockets, spring-loaded return of mandrel

#### Expander heads

Quick-change. Extra long expander heads result in extra long sockets for perfect pipe connections according to DVGW. Special neck at expander head specially for calibration of deformed pipe ends.

#### Supply format

**REMS Ex-Press Cu Set.** Hand tube expander Ø 8–42 mm, Ø  $\frac{1}{6}$ –1 $\frac{1}{6}$ ". Soft copper tubes Ø 8–42 mm, Ø  $\frac{3}{6}$ –1 $\frac{1}{6}$ ", s ≤ 1,5 mm, soft aluminium tubes and soft steel precision tubes Ø 8–42 mm, Ø  $\frac{3}{6}$ –1 $\frac{1}{6}$ ", s ≤ 1,2 mm, soft stainless steel tubes Ø 8–42 mm, Ø  $\frac{3}{6}$ –1 $\frac{1}{6}$ ", s ≤ 1,2 mm. Soft stainless steel tubes Ø 8–42 mm, Ø  $\frac{3}{6}$ –1 $\frac{1}{6}$ ", s ≤ 1 mm. Expander drive. Choice of expander heads for pipes in mm or inch. In sturdy steel case.

Description	ArtNo.
Set 12-15-18-22	150000
Set 12-15-22-28	150005
Set 15-18-22-28	150006
Set 12-15-18-22-28	150007
Set 12-14-16-18-22	150010
Set <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>5</sup> / <sub>8</sub> - <sup>3</sup> / <sub>4</sub> - <sup>7</sup> / <sub>8</sub> -1 <sup>1</sup> / <sub>8</sub> "	150017
Set <sup>1</sup> /2- <sup>5</sup> /8- <sup>7</sup> /8-11/8"	150018
Set <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>5</sup> / <sub>8</sub> - <sup>7</sup> / <sub>8</sub> "	150019
Set <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>5</sup> / <sub>8</sub> - <sup>3</sup> / <sub>4</sub> - <sup>7</sup> / <sub>8</sub> -1"	150020

#### Accessories

Description	Pipes Ø mm/inch	ArtNo.
Expander head Cu	8	150100
(fit expander drives of	10	150105
REMS Akku-Ex-Press	12	150110
Cu ACC and other	14	150120
makes also)	15	150125
	16	150130
	18	150140
	20	150145
	22	150150
	24	150155
	25	150160
	26	150165
	28	150170
	30	150175
	32	150180
	34	150185
	35	150190
	36	150195
	40	150205
	42	150210
	3/8"	150220
	1/2"	150225
	5/8"	150230
	3/4"	150235
	7⁄8"	150240
	1"	150245
	11/8"	150250
Expander drive Cu		150500
Steel case with insert		150600



German Quality Product









## **REMS Akku-Ex-Press Cu ACC**

#### Cordless pipe expander with automatic return

Compact, handy electric tool for fast, easy expanding and calibration of pipes for pipe installation without fittings. For battery and corded operation. For trade and industry. For the building site and the workshop.

Soft copper tubes s ≤ 1.5 mm	Ø 8–42 mm Ø ℁−1¾"
Soft aluminium tubes, soft precision steel tubes $s \le 1.2 \text{ mm}$	Ø 8−42 mm Ø ℁−1¾"
Soft stainless steel tubes s $\leq$ 1 mm	Ø 8–42 mm Ø ℁−1¾"

## REMS Akku-Ex-Press Cu ACC – fast, easy electric expanding up to Ø 42 mm. With automatic return.

#### Cost advantage

Pipe installation without fittings. No costs for fittings, storage, procurement. Savings in soldering joints, soldering material and working hours. Using up pipe pieces to provide sockets.

#### Expander heads for all common systems

Quick-change. Extra long expander heads result in extra long sockets for perfect pipe connections according to DVGW. Special neck at expander head specially for calibration of deformed pipe ends.

#### Execution

Compact, handy, light. Drive unit with battery only 2.3 kg. Drive machine only 30 cm long. Works anywhere, free-hand, overhead, in confined areas. Optimum weight distribution for single-hand operation. Ergonomically shaped housing with recessed grip. For battery and corded operation. Integrated LED work light for illuminating the work place. Electronic charging status check with flat battery protection and charging status indicator with 2-coloured LED. Conical expanding mandrel (conical angle 18°) for even concentric expanding. Extra long sockets, spring-loaded return of mandrel.

#### Drive

High pressing force for fast, perfect expanding. Powerful electro-hydraulic drive with automatic return (ACC), with powerful battery motor 14.4 V, 380 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch.

#### Battery or mains operation

Li-Ion PLUS technology. Highly resistant Li-Ion 14.4 V battery with 1.6 or 3.2 Ah capacity for long service life. Powerful and light. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range –10 to +60 °C. No memory effect for maximum battery power. Rapid charger for short charging times. Li-Ion 230 V voltage supply for mains operation instead of Li-Ion 14.4 V battery, as accessory.



German Quality Product





# 

#### Supply format

**REMS Akku-Ex-Press Cu ACC Basic-Pack.** Cordless pipe expander for fast, easy expanding and calibration of pipes. Soft copper pipes Ø 8–42 mm, Ø %–1¼",  $s \le 1.5$  mm, soft aluminium pipes, soft precision steel pipes, Ø 8–42 mm, Ø %–1¼",  $s \le 1.2$  mm, soft stainless steel pipes Ø 8–42 mm, Ø %–1¼",  $s \le 1$  nm. Electro-hydraulic drive with automatic retraction, with powerful battery motor 14.4 V, 420 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch. Integrated LED work light. Battery Li-Ion 14.4 V, 16 Ah, rapid charger Li-Ion/Ni-Cd 230 V, 50–60 Hz, 65 W. Without expander heads. In sturdy steel case.

ArtNo.	
575016	

#### Other voltages on request.

Description	ArtNo.
Expander heads Cu see page 172.	
REMS Akku-Ex-Press Cu ACC drive unit, without battery	575006
Battery Li-Ion 14.4 V, 1.6 Ah	571545
Battery Li-Ion 14.4 V, 3.2 Ah	571555
Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W	571560
Voltage supply Li-lon 230 V for mains operation instead of battery Li-lon 14.4 V.	571565
Steel case with insert	578290
REMS cordless LED lamp see page 97	175200

## **REMS Ex-Press H**

German Quality Product

Hand tube expander

Robust, compact quality tool for expanding tubes. For one-hand operation.

PEX tubes Serie S 5 according to ISO 4065

Ø 12-40 mm

#### REMS Ex-Press H – universal up to Ø 40 mm.

Robust, compact quality tool. Super light, only 0.7 kg.

Stepped mandrels for expanding several tube dimensions, no tool change required. Torsion-free, leveraged expander tool for effortless expanding. For one-hand operation.

#### Supply format

REMS Ex-Press H. One-hand pipe expander for PEX tubes Serie S 5 according to ISO 4065 Ø 12-40 mm. In a carton.

ArtNo.	
150550	

## **REMS Ex-Press P**

Proven quality tool for expanding tubes.

Plastic tubes, multi-layer composite tubes Ø 12-32 mm

#### **REMS Ex-Press P – for expanding tubes.** Conical mandrel for even and concentric expanding.

#### Design

Robust quality tool. Torsion-free, power-transmitting expander levers with ergonomically designed handles, for effortless expanding. Conical mandrel (taper angle 18°) for even and concentric expanding. Long mandrel guidance, spring-loaded mandrel release.

#### Expander heads for all common systems

Complete assortment of REMS expander heads P for all common compression sleeve systems (page 177). Quickly interchangeable, without tools. The REMS expander heads are system-specific and comply with the requirements of the respective compression sleeve system. Thus perfect system-conformity, exact expanding.

#### Supply format

REMS Ex-Press P Set. Hand tube expander for plastic tubes and multi-layer composite tubes Ø 12-32 mm. REMS Ex-Press P. Expander heads P for tubes in mm. In sturdy steel case.

Description	Compr. sleeve system	ArtNo.	
Set AT P 16-20-25	aquatherm SHT PB/ PE-Rohre	150021	
Set AT V 16-20-25	aquatherm SHT		
	Mehrschicht-Metall-		
	verbundrohre	150033	
Set IV 16-20-25	IVT PRINETO, Würth		
	PRINETO	150026	
Set RH HAS 17-20-25	REHAU RAUTHERM		
	S (REHAU HAS)	150027	
Set RH HIS 16-20-25	REHAU RAUTITAN		
	flex/gas flex/pink/his,		
	General Fittings		
	Serie 3400 PEX,		
	Seppelfricke SD		
	Sistemi Italia		
	NEROflex/SYLVER	150028	
Set RH MKV 16-20-25	REHAU RAUTITAN		
	stabil/gas stabil,		
	General Fittings Serie	450000	
0-4 011 40 00 05	3400 PEX/AL/PEX	150022	
Set RH 16-20-25	REHAU RAUTHERM		
	(série S 5), REHAU	150000	
Set RO VA 16-20-25	(GBR) EVERLOC	150029 150023	
	I to I E/t	150023	
Set TC 16-18/20-25	TECE TECEflex,		
	General Fittings Serie 3700 PEX	150025	
	JIUUFEA	150025	

System-specific and/or national differences of the wall thickness (s) of tubes need to be considered selecting expander heads, see table page 177.

#### Accessorie

Description	ArtNo.	
Expander heads P see page 177.		
Expander drive REMS Ex-Press P (taper angle 18°)	150510	
Steel case with insert	150600	



#### German Quality Product

e.g.

IVT,





## **REMS Akku-Ex-Press P ACC**

#### Cordless pipe expander with automatic return

Compact, handy power tool with automatic return for fast, easy expansion of pipes. For battery and corded operation. For trade and industry. For the building site and the workshop.

Plastic tubes,

multi-layer composite tubes

Ø 12-40 mm

# REMS Akku-Ex-Press P ACC – Fast, easy electric expanding up to $\emptyset$ 40 mm. With automatic return. Conical mandrel for even and concentric expanding.

#### **Expander heads**

Quickly interchangeable, without tools. The REMS expander heads are systemspecific and comply with the requirements of the respective compression sleeve system. Thus perfect system-conformity, exact expanding.

#### Execution

Compact, handy, light. Drive unit with battery only 2.3 kg. Drive machine only 30 cm long. Works anywhere, free-hand, overhead, in confined areas. Optimum weight distribution for single-hand operation. Ergonomically shaped housing with recessed grip. Integrated LED work light for illuminating the work place. For battery and corded operation. Electronic charging status check with flat battery protection and charging status indicator with 2-coloured LED. Conical expanding mandrel (conical angle 18°) for even centric expanding. Long mandrel guide, spring-loaded mandrel recoil.

#### Drive

High pressing force for fast, perfect expanding. Powerful electro-hydraulic drive with automatic return (ACC), with powerful battery motor 14.4 V, 380 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch.

#### Battery or mains operation

Li-Ion PLUS technology. Highly resistant Li-Ion 14.4 V battery with 1.6 or 3.2 Ah capacity for long service life. Powerful and light. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range –10 to +60 °C. No memory effect for maximum battery power. Rapid charger for short charging times. Li-Ion 230 V voltage supply for mains operation instead of Li-Ion 14.4 V battery, as accessory.



German Quality Product

Tested by electrosuisse >>>





#### Supply format

**REMS Akku-Ex-Press P ACC Basic-Pack.** Cordless pipe expander for fast expanding of plastic and multilayer composite pipes Ø 12–40 mm. Electrohydraulic drive with automatic retraction, with powerful battery motor 14.4 V, 420 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch. Integrated LED work light. Battery Li-lon 14.4 V, 1.6 Ah, rapid charger Li-lon/Ni-Cd 230 V, 50–60 Hz, 65 W. Without expander heads. In sturdy steel case.

575018	
ArtNo.	

Other voltages on request.

#### Accessories

#### **REMS expander heads P**

Quickly interchangeable, without tools. The REMS expander heads are systemspecific and comply with the requirements of the respective compression sleeve system. Thus perfect system-conformity, exact expanding. Drive through expander REMS Ex-Press P (taper angle 18°), REMS Akku-Ex-Press P ACC and through suitable expanders of other makes.

Compression sleeve system	Expander head P Ø × s	ArtNo.	
ROTEX	RO VA 12 × 2,0	150814	
	RO VA 16 × 2,2	150851	
	RO VA 20 × 2,8	150890	
	RO VA 25 × 3,5	150918	
	RO VA 32 × 4,4	150919	
Description		ArtNo.	
REMS Akku-Ex-Press P ACC drive unit,			
without battery		575008	
Battery Li-Ion 14.4 V, 1.6 Ah		571545	
Battery Li-Ion 14.4 V, 3.2 Ah		571555	
Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W		571560	
Voltage supply Li-Ion 230 V for mains operation			
instead of battery Li-Ion 14.4 V.		571565	
Steel case with insert	Steel case with insert		
REMS cordless LED lamp s	see page 97	175200	



e.g. ROTEX



## **REMS Akku-Ex-Press P**

Compact, handy power tool with switch-off signal for fast, easy expansion of pipes. For battery and corded operation. For trade and industry. For the building site and the workshop.

Plastic tubes,

multi-layer composite tubes

Ø 12–40 mm

# REMS Akku-Ex-Press P – Fast, easy electric expanding up to Ø 40 mm. Conical mandrel for even and concentric expanding.

#### Expander heads for all common systems

Complete assortment of REMS expander heads P for all common compression sleeve systems (page 177). Quickly interchangeable, without tools. The REMS expander heads are system-specific and comply with the requirements of the respective compression sleeve system. Thus perfect system-conformity, exact expanding.

#### Execution

Compact, handy, light. Drive unit with battery only 2.3 kg. Drive machine only 30 cm long. Works anywhere, free-hand, overhead, in confined areas. Optimum weight distribution for single-hand operation. Ergonomically shaped housing with recessed grip. Integrated LED work light for illuminating the work place. For battery and corded operation. Electronic charging status check with flat battery protection and charging status indicator with 2-coloured LED. Conical expanding mandrel (conical angle 18°) for even centric expanding. Long mandrel guide, spring-loaded mandrel recoil.

#### Drive

High pressing force for fast, perfect expanding. Powerful electro-hydraulic drive with powerful battery motor 14.4 V, 380 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch. Acoustic signal after successfully finished expansion. The expanding heads stay open until switching over to return. Read and follow the installation and assembly instructions of the system provider/manufacturer.

#### Battery or mains operation

Li-Ion PLUS technology. Highly resistant Li-Ion 14.4 V battery with 1.6 or 3.2 Ah capacity for Iong service life. Powerful and light. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range –10 to +60 °C. No memory effect for maximum battery power. Rapid charger for short charging times. Li-Ion 230 V voltage supply for mains operation instead of Li-Ion 14.4 V battery, as accessory.



German Quality Product

Tested by electrosuisse >>>





#### Supply format

REMS Akku-Ex-Press P Basic-Pack. Cordless pipe expander for fast expanding of plastic and multilayer composite pipes Ø 12–40 mm. Electrohydraulic drive with switch-off signal, with powerful battery motor 14.4 V, 420 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch. Integrated LED work light. Battery Li-Ion 14.4 V, 1.6 Ah, rapid charger Li-Ion/Ni-Cd 230 V, 50–60 Hz, 65 W. Without expander heads. In sturdy steel case.

ArtNo.
575019

#### Other voltages on request.

#### Accessories

Description	ArtNo.
Expander heads P see page 177.	
REMS Akku-Ex-Press P drive unit, without battery	575009
Battery Li-Ion 14.4 V, 1.6 Ah	571545
Battery Li-Ion 14.4 V, 3.2 Ah	571555
Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W	571560
Voltage supply Li-Ion 230 V for mains operation instead of battery Li-Ion 14.4 V.	571565
Steel case with insert	578290
REMS cordless LED lamp see page 97	175200

e.g. aquatherm, General Fittings, IVT, REHAU, REVEL, TECE, TIEMME,

Würth



#### **REMS** expander heads P

Complete assortment of REMS expander heads P for all common compression sleeve systems. Quickly interchangeable, without tools. The REMS expander heads are system-specific and comply with the requirements of the respective compression sleeve system. Thus perfect system-conformity, exact expanding. Drive through expander REMS Ex-Press P (taper angle 18°), REMS Akku-Ex-Press P and through suitable expanders of other makes.

Ex-Press P and through suita	able expanders of other mak	es.
Compression sleeve system		ArtNo.
aquatherm SHT	AT P 14×2,0	150828
PB/PE-RT-Rohre		
PB/PE-RI-Ronre	AT P 16 × 2,0	150842
	AT P 18 × 2,0	150873
	AT P 20 × 2,0	150882
	AT P 25×2,3	150912
aquatherm SHT	AT V 16×2,4	150843
Mehrschicht-	AT V 20 × 2,4	150883
Metallverbundrohre	AT V 25 × 2,7	150913
(MVR)	AT V 32×3,2	150957
	AT V 40 × 3,5	150958
General Fittings	RH HIS 16 x 2,2	150849
Serie 3400 PEX	RH HIS 20 x 2,8	150888
	RH HIS 25 x 3,5	150916
	RH HIS 32 x 4,4	150945
Operated Fitting and		
General Fittings	RH MKV 16,2 x 2,6	150858
Serie 3400 PEX/AL/PEX	RH MKV 20 x 2,9	150897
	RH MKV 25 x 3,7	150926
	RH MKV 32 x 4,7	150952
General Fittings	TC 16	150855
Serie 3700 PEX	TC 18/20	150894
	TC 25	150923
	TC 32	150950
General Fittings	TC 16	150855
Serie 3700 PEX/AL/PEX	TC 18/20	150894
	TC 25	150923
	TC 32	150923
IVT PRINETO	IV 16 × 2,2/2,8	150845
	IV 20 × 2,8/3,4	150885
	IV 25 × 3,5/4,0	150914
	IV 32 × 4,4/4,9	150943
REHAU RAUTHERM	RH 12 x 1,1	150812
(série S 5)	RH 16 x 1,5	150846
	RH 20 x 1,9	150886
	RH 25 x 2,3 (RH HAS 25x2,3)	150915
	RH 32 x 2,9 (RH HAS 32x2,9)	150944
REHAU RAUTHERM S	RH HAS 17 x 2,0	150868
(REHAU HAS)	RH HAS 20 x 2,0	150887
()	RH HAS 25 x 2,3	150915
	RH HAS 32 x 2,9	150944
REHAU RAUTITAN flex/	RH HIS 16 x 2,2	150849
RAUTITAN gas flex/	RH HIS 20 x 2,8	150888
RAUTITAN gas liez/	RH HIS 25 x 3,5	150916
RAUTITAN his		
	RH HIS 32 x 4,4 RH HIS 40 x 5,5	150945 150946
	,	
REHAU RAUTITAN stabil/	RH MKV 16,2 x 2,6	150858
RAUTITAN gas stabil	RH MKV 20 x 2,9	150897
	RH MKV 25 x 3,7	150926
	RH MKV 32 x 4,7	150952
	RH MKV 40 x 6,0	150947
REHAU (GBR) EVERLOC	RH 16 x 1,5	150846
	RH 20 x 1,9	150886
	RH 25 x 2,3 (RH HAS 25x2,3)	150915
	RH 32 x 2,9 (RH HAS 32x2,9)	150944
REVEL	RH HIS 16 × 2,2	150849
	RH HIS 20 × 2,8	150888
	RH HIS 25 × 3,5	150916
	RH HIS 32 × 4,4	150945
Connolfriako CD	,	
Seppelfricke SD	RH HIS 16 × 2,2	150849
Sistemi Italia	RH HIS 20 × 2,8	150888
NEROflex/SYLVER	RH HIS 25 × 3,5	150916
	RH HIS 32 × 4,4	150945
TECE TECEflex	TC 12/14	150826
	TC 16	150855
	TC 18/20	150894
	TC 25	150923
	TC 32	150950
TIEMME ASSIALPEX	IV 16 × 2,2/2,8	150845
	IV 20 × 2,8/3,4	150885
	IV 25 × 3,5/4,0	150914
Würth PRINETO	IV 16 × 2,2/2,8	150845
	IV 20 × 2,8/3,4	150885
	IV 25 × 3,5/4,0	150914
	IV 32 × 4,4/4,9	150943
	Contraction and the second sec	

System-specific and/or national differences of the wall thickness (s) of tubes need to be considered selecting expander heads. REMS expander heads P for additional compression sleeve systems on request.

#### Choose expander heads yourself!

Search for the required compression sleeve system in the table below and select the correct expander heads.



German Quality Product

## REMS Akku-Ex-Press Q & E ACC

Compact, handy electric tool for fast, easy expanding of tubes/coil of the Uponor Quick & Easy system. For battery and corded operation. For trade and industry. For the building site and the workshop.

Expanding

Ø 16-40 mm

REMS Akku-Ex-Press Q&E ACC – Fast, easy electric expanding up to Ø 40 mm. Compact, handy, light. With automatic return. For Uponor Quick & Easy.

#### **Expander heads**

Large expanding capacity up to Ø 40 mm. Automatic, gradual expansion until reaching the given end position which is determined by the expander head. Use of original Uponor Quick & Easy expander heads, manual and hydraulic.

#### Execution

Compact, handy, light. Drive unit with battery only 2.3 kg. Drive machine only 30 cm long. Works anywhere, free-hand, overhead, in confined areas. Optimum weight distribution for single-hand operation. Ergonomically shaped housing with recessed grip. Integrated LED work light for illuminating the work place. For battery and corded operation. Electronic charging status check with flat battery protection and charging status indicator with 2-coloured LED.

#### Drive

High pressing force for fast, perfect expanding. Powerful electro-hydraulic drive with automatic return (ACC), with powerful battery motor 14.4 V, 380 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch.

#### Battery or mains operation

Li-Ion PLÚS technology. Highly resistant Li-Ion 14.4 V battery with 1.6 or 3.2 Ah capacity for long service life. Powerful and light. Total discharge and overload protection with single cell monitoring. Temperature monitoring during the charging process. Operating temperature range –10 to +60 °C. No memory effect for maximum battery power. Rapid charger for short charging times. Li-Ion 230 V voltage supply for mains operation instead of Li-Ion 14.4 V battery, as accessory.



German Quality Product

Tested by electrosuisse >>>



#### Supply format

REMS Akku-Ex-Press Q&E ACC Basic-Pack. Cordless tube expander for expanding tubes/coils of the Uponor Quick & Easy system Ø 16–40 mm, Ø <sup>1</sup>/<sub>2</sub>–11<sup>/2</sup>". Electro-hydraulic drive with automatic retraction, with powerful battery motor 14.4 V, 420 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch. Integrated LED work light. Battery Li-lon 14.4 V, 1.6 Ah, rapid charger Li-lon/Ni-Cd 230 V, 50–60 Hz, 65 W. Without expander heads. In sturdy steel case.

ArtNo.	
575015	

Note assembly instructions of system supplier. Battery tube expander for other systems on request. Other voltages on request.

Description	ArtNo.	
REMS Akku-Ex-Press Q&E ACC Li-lon drive unit, without battery	575005	
Battery Li-Ion 14.4 V, 1.6 Ah	571545	
Battery Li-lon 14.4 V, 3.2 Ah	571555	_
Rapid charger Li-Ion/Ni-Cd 230 V, 50-60 Hz, 65 W	571560	_
Voltage supply Li-Ion 230 V for mains operation instead of battery Li-Ion 14.4 V.	571565	
Steel case with insert	578290	_
REMS cordless LED lamp see page 97	175200	





### **REMS Power-Ex-Press Q & E ACC**

Compact, handy electric tool for fast, easy expanding of tubes/coil of the Uponor Quick & Easy system. For trade and industry. For the building site and the workshop.

Expanding	Ø 16–63 mm
	Ø ½–2"
	s ≤ 5,8 mm

# REMS Power-Ex-Press Q&E ACC – Fast, easy electric expanding up to Ø 63 mm. With automatic return. For Uponor Quick & Easy.

#### **Expander heads**

Large expanding capacity up to Ø 63 mm. Automatic, gradual expansion until reaching the given end position which is determined by the expander head. Use of original Uponor Quick & Easy expander heads, Ø 16–63 mm, Ø  $\frac{1}{2}$ -2", Expanding device for holding the original Uponor Quick & Easy 54–63 mm, 2" expanding heads. Expanding device for holding the original Uponor Quick & Easy 16–40 mm,  $\frac{1}{2}$ -1 $\frac{1}{2}$ ", expanding heads as an accessory.

#### Execution

Compact, robust, job site-proven. Small in size, slender design, drive unit only 5.3 kg. Works anywhere, free-hand, overhead, in confined areas. Ideal weight distribution for single handed operation. Ergonomically designed housing with recessed grip.

#### Drive

High pressing force for fast, perfect expanding. Powerful electro-mechanical drive with automatic return (ACC), with proven universal motor, 450 W, maintenance-free gear with safety slipping clutch and in-feed system with machine screw spindle. Safety tip switch.



German Quality Product

Tested by electrosuisse >>>

#### Supply format

**REMS Power-Ex-Press Q&E ACC Basic-Pack.** Electro-hydraulic pipe expander for expanding tubes/coils of the Uponor Quick & Easy system Ø 16–63 mm, Ø ½–2", s  $\leq$  5,8 mm. Electro-hydraulic drive with automatic retraction, ith proven universal motor 230 V or 110 V, 50–60 Hz, 450 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch. Expanding device 54–63 mm, 2". Without expander heads. In a carton.

ArtNo.	
575017	

Note assembly instructions of system supplier. Battery tube expander for other systems on request. Other voltages on request.

Description	ArtNo.	
Adapter 16–40 mm, $\frac{1}{2}$ –1 $\frac{1}{2}$ " for fitting the original expanding heads Uponor Quick & Easy 16–40 mm, $\frac{1}{2}$ –2".	575100	
Steel case with insert	575278	





## **REMS Hurrican H**

Economic manual tool for efficiently making T-branches for pipe installations without fittings.

<b>U</b>
Ø 10–22 mm
Ø 3⁄8-7⁄8"
s ≤ 1.5 mm

#### **REMS** Hurrican H – for making T-branches yourself. Inexpensive. Also on tubes already installed.

#### System advantage

Only **one** type of extractor tools for REMS Hurrican H, REMS Hurrican and REMS Twist/Hurrican. Simple, inexpensive storage. No confusion possible.

#### Cost advantage

No costs for T-pieces, storage, procurement. Savings in soldering joints, pressing joints and working hours. Higher safety by fewer tube joints.

#### Design

Compact, handy, light. Can be used anywhere, free-hand, on pipes already installed. Drill head for exact drilling start without centre punching, drilling depth stop according to size of the T-outlet. Limitation of insertion depth to avoid obstruction by using the dimpling pliers. Handy gripping tongs for fixing the tool holder on the pipe, as an accessory.

#### **Drill head drive**

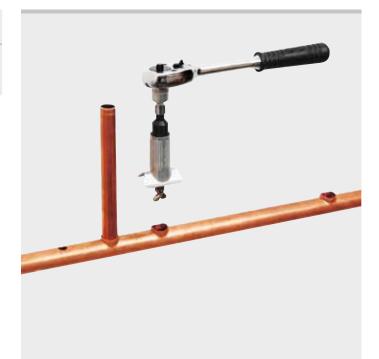
Drive with conventional electric drill.

#### Extractor tools

Special design of extractor tools facilitate even and smooth material deformation without burrs and notches. Therefore no secondary treatment required.

#### **Tool holder drive**

With standard ratchet and hexagon socket 11 mm or with spanner. Upgrade to electric pipe neck expander by buying the REMS Twist/Hurrican drive machine.



German Quality Product







**REMS Hurrican H Set.** Hand tube extractor for hard and soft copper tubes  $\emptyset$  10–22 mm,  $\emptyset \% - \%$ ", s  $\leq$  1.5 mm. Tool holder, drill head, dimpling pliers, lubricant. Extractor tools for tubes in mm or inch. In sturdy case.

Description	ArtNo.
Set 12-15-18-22	151003
Set 12-14-16-18-22	151004
Set <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>5</sup> / <sub>8</sub> - <sup>3</sup> / <sub>4</sub> - <sup>7</sup> / <sub>8</sub> "	151005

Description	Tubes Ø mm/inch	ArtNo.
Description		
Extractor tool	10	151105
	12	151110
	14	151120
	15	151125
	16	151130
	18	151140
	20	151145
	22	151150
	3/8"	151155
	1/2"	151160
	5/8"	151165
	3/1"	151170
	7/8"	151175
REMS Twist/Hurrican drive unit		
with stabiliser		151401
Grip wrench for clamping the tool holder		076117
Tool holder		151200
Drill head		151210
Dimpling pliers		151230
Ratchet 1/2"		074021
Hexagon socket 11 mm		074041
Lubricant (tin)		151240
Case with inlay		151618



## **REMS Hurrican**

Electric tube extractor

Powerful, compact electric tool for efficient machining of T-branches of hard and soft tubes for tube installations without fittings.

Hard and soft copper tubes	Ø 10–22 mm
	Ø 3⁄8-7⁄8"
	s ≤ 1.5 mm

### **REMS** Hurrican – for making T-branches yourself. Inexpensive. Also on tubes already installed.

#### System advantage

Only one type of extractor tools for REMS Hurrican H, REMS Hurrican and REMS Twist/Hurrican. Simple, inexpensive storage. No confusion possible.

### Cost advantage

No costs for T-branches, storage, procurement. Savings in soldering joints, soldering material and working hours. Higher safety by fewer tube joints.

### Design

Compact, handy, light. Can be used anywhere, free-hand, on pipes already installed. Drill head provides precise drilling without punching with any standard power drill. Drill depth-stop according to the size of T-branch. Tool holder for holding the extractor tools. Limitation of insertion depth to avoid obstruction by using the dimpling pliers. Handy grip wrench for clamping the tool holder onto the pipe.

#### Drive

Proven drive unit with hexagon mount. Enormously powerful. Handly, light, only 2 kg. Can be used anywhere, free-hand, also on pipes already installed. Robust, maintenance-free gear with safety slipping clutch. Universal motor, 600 W, high-torque forward and reverse at low speed. Stepless, electronic speed control. The speed between 0 and 550 rpm is controlled by pressing the tip switch steplessly (acceleration switch).

#### **Extractor tools**

Special design of extractor tools facilitate even and smooth material deformation without burrs and notches. Therefore no secondary treatment required.

#### **REMS** Twist/Hurrican

Space and weight-saving combination set for efficient production of T-branches and for efficient cold-expanding of hard and soft tubes for installations without fittings. Only one drive unit for expanding and extracting tools. Price advantage! See page 183.



German Quality Product







**REMS Hurrican Set.** Electric tube extractor for hard and soft copper tube  $\emptyset$  10–22 mm,  $\emptyset$   $\frac{3}{2}$ – $\frac{7}{6}$ ", s  $\leq$  .5 mm. Drive unit with hexagon mount, maintenance-free gear, universal motor 230 V or 110 V, 50–60 Hz, 600 W. High torque at low speed, left and right-hand rotation. Safety tip switch. Stepless, electronic speed control (acceleration switch). Drive holder. Tool holder, drill head, dimpling pliers, lubricant. Extractor tools for pipes in mm or inch. In sturdy steel case.

Description	ArtNo.
Set 12-15-18-22	151000
Set 12-14-16-18-22	151010
Set <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>5</sup> / <sub>8</sub> - <sup>3</sup> / <sub>4</sub> - <sup>7</sup> / <sub>8</sub> "	151002
Other voltages on request.	

Description	Tubes Ø mm/inch	ArtNo.	
Extractor tool	10	151105	
	12	151110	
	14	151120	
	15	151125	
	16	151130	
	18	151140	
	20	151145	
	22	151150	
	3/8"	151155	
	1/2"	151160	
	5/8"	151165	
	3/4"	151170	
	7⁄8"	151175	
<b>REMS</b> Twist/Hurric	an drive unit		
with stabiliser		151401	
Tool holder		151200	
Drill head		151210	
Dimpling pliers		151230	
Lubricant (tin)		151240	
Case with inlay		151618	



## **REMS Twist**

Powerful, compact electric tool for efficient coldexpanding of hard and soft tubes for pipe installations without fittings.

Hard and soft copper tubes	Ø 12–22 mm
	Ø 3⁄8-7⁄8"
	s ≤ 1 mm

### REMS Twist – for making sockets yourself. Cold-expanding of hard copper pipes.

#### Cost advantage

No costs for annealing hard copper tubes, for deburring and cleaning, for fittings, storage, procurement. Savings in soldering joints, soldering material and working hours. Higher safety by fewer tube joints. Using up tube pieces to make sockets.

### Design

Compact, robust, job site-proven. Simple and fast working free-hand, at vice or workbench. No adjustments. Integrated clamping device provides safe support against torque in both directions.

#### Drive

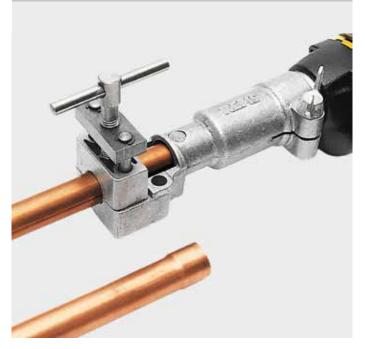
Proven drive unit with hexagon mount. Enormously powerful. Handly, light, only 2 kg. Can be used anywhere, free-hand, also on pipes already installed. Robust, maintenance-free gear with safety slipping clutch. Universal motor, 600 W, high-torque forward and reverse at low speed. Stepless, electronic speed control. The speed between 0 and 550 rpm is controlled by pressing the tip switch steplessly (acceleration switch).

### **Expander tools**

One quick-changing expander tool of each tube size with rotating mandrel for easy expanding and smooth operation. Without annealing, standard socket in just a few seconds, extra long.

#### **REMS Twist/Hurrican**

Space and weight-saving combination set for efficient production of T-branches and for efficient cold-expanding of hard and soft tubes for installations without fittings. Only one drive unit for expanding and extracting tools. Price advantage! See page 183.



German Quality Product

### Supply format

**REMS Twist Set.** Electric tube expander for hard and soft copper tubes  $\emptyset$  12–22 mm,  $\emptyset \% - \%$ ", s  $\leq$  1 mm. Drive unit with hexagon mount, maintenance-free gear, universal motor 230 V or 110 V, 50–60 Hz, 600 W. High torque at low speed, left and right-hand rotation. Safety tip switch. Stepless, electronic speed control (acceleration switch). Drive holder. Lubricant. Expander tools for mm

or inch. In sturdy steel case.

Description	ArtNo.
Set 12-15-18-22	156000
Set 12-14-16-18-22	156002
Set <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>5</sup> / <sub>8</sub> - <sup>3</sup> / <sub>4</sub> - <sup>7</sup> / <sub>8</sub> "	156004

### Other voltages on request.

Description	Tubes Ø mm/inch	ArtNo.	
Expander tool	12	156150	
•	14	156200	
	15	156225	
	16	156250	
	18	156300	
	22	156350	
	3/8"	156375	
	1/2"	156400	
	5/8"	156425	
	<sup>3</sup> / <sub>4</sub> "	156450	
	7⁄8"	156475	
<b>REMS</b> Twist/Hurrica	n drive unit		
with stabiliser		151401	
Lubricant (tin)		151240	
Steel case with insert		151600	









## **REMS Twist/Hurrican**

Electric tube extractor Electric tube expander

Powerful, compact electric tool for efficient machining of T-branches and for efficient cold-expanding of hard and soft tubes for tube installations without fittings.

Extracting:	
Hard and soft copper tubes	Ø 10-22 mm
	Ø 3⁄8-7⁄8"
	s ≤ 1.5 mm
Expanding:	
Hard and soft copper tubes	Ø 12–22 mm
	Ø 3⁄8-7⁄8"
	s ≤ 1 mm

### **REMS** Hurrican for making T-branches yourself. Inexpensive. Also on tubes already installed.

### REMS Twist for making sockets yourself. Cold-expanding of hard copper tubes.

Space and weight saving combi set. Only **one** drive unit for expander and extractor tools. Price advantage!

Description see REMS Hurrican and REMS Twist (page 181-182).

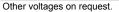


German Quality Product

### Supply format

**REMS Twist/Hurrican Combi Set.** Electric tube expander and electric tube extractor for hard and soft copper tubes. Expanding Ø 12–22 mm, Ø  $\frac{3}{6}-\frac{7}{6}^{m}$ , s  $\leq 1$  mm, extracting Ø 10–22 mm, Ø  $\frac{3}{6}-\frac{7}{6}^{m}$ , s  $\leq 1.5$  mm. Drive unit with hexagon mount, maintenance-free gear, universal motor 230 V or 110 V, 50–60 Hz, 600 W. High torque at low speed, left and right-hand rotation. Stepless, electronic safety switch. Drive holder. Tool holder, drill head, dimpling pliers, lubricant. Choice of expander and extractor tools for pipes in mm or inch. In sturdy steel case.

Description	ArtNo.
Set 12-15-18-22	156010
Set 12-14-16-18-22	156012
Set <sup>3</sup> / <sub>8</sub> - <sup>1</sup> / <sub>2</sub> - <sup>5</sup> / <sub>8</sub> - <sup>3</sup> / <sub>4</sub> - <sup>7</sup> / <sub>8</sub> "	156014



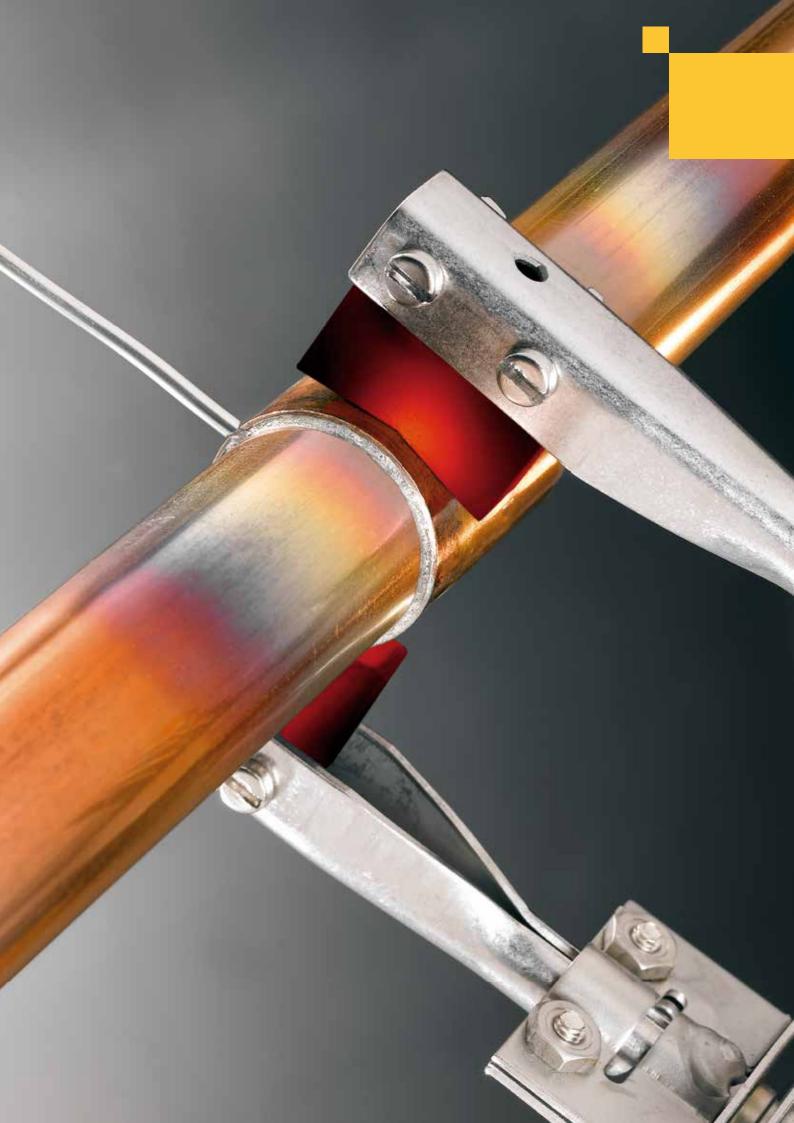
#### Accessories

Description         Tubes Ø mm/inch         ArtNo.           Expander tool         12         156150           14         156225           16         156250           18         156300           22         156350           ½"         156475           ½"         156475           Extractor tool         10         151105           12         151105           12         151105           12         151105           12         151105           ½"         156475           Extractor tool         10         151105           12         151105           12         151105           12         151105           14         151120           15         151130           18         151140           20         151145           22         151160           ½"         151165           ½"         151165           ½"         151160           ½"         151160           ½"         151170           Kems Twist/Hurrican drive unit         151200           With stabiliser				
14       156200         15       156225         16       156300         22       156350         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       156425         ½"       151105         12       15110         12       151130         18       151140         20       151155         ½"       151160         ½"       151160         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"	Description	Tubes Ø mm/inch	ArtNo.	
15       156225         16       156250         18       156300         22       156350         36"       156450         56"       156450         56"       156450         56"       156450         56"       156450         56"       156450         56"       156450         56"       156450         56"       156450         56"       156450         56"       156450         56"       156450         56"       156450         56"       151105         12       15110         14       151125         16       151130         18       151140         20       151145         22       151150         56"       151160         54"       151160         54"       151175         76"       151175         76"       151170         76"       151170         76"       151160         54"       151175         76"       151175         76"       151200	Expander tool	12	156150	
16       156250         18       156300         22       156350         36"       156375         ½"       156400         %"       156425         ½"       156425         ½"       156475         Extractor tool       10       151105         12       151110         14       151120         15       151125         16       151130         18       151140         20       151145         22       151150         ½"       151155         ½"       151150         ½%"       151155         ½"       151150         ½%"       151155         ½"       151160         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170		14	156200	
18       156300         22       156350         ½"       156400         ½"       156425         ½"       156475         Extractor tool       10       151105         12       151101         14       151120         15       151120         16       151130         18       151140         20       151145         22       151150         18       151140         20       151145         22       151150         ½"       151155         ½"       151150         %"       151155         ½"       151160         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         Øith stabiliser       151200				
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¾"         156450           ½"         156475           Extractor tool         10         151105           12         151110           14         151125           16         151140           20         151145           22         151150           ¾"         151155           ½"         151155           ½"         151155           ½"         151150           ¾"         151150           ¾"         151150           ¾"         151160           ½"         151170           ¾"         151170           ¾"         151170           ¾"         151170           ¾"         151170           ¾"         151170           ¾"         151170           ¾"         151170           ¾"         151170           ¾"         151170           ¾"         151170           ¾"         151170           ¾"         151170           ¾"         151170           ¾"         151170           151170         151170           151200         151200 <th></th> <th></th> <th></th> <th></th>				
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Extractor tool         10         151105           12         151110           14         151120           15         151120           16         151130           18         151140           20         151145           22         151155           ½"         151155           ½"         151155           ½"         151160           ½"         151175           ½"         151175           ½"         151175           ½"         151175           ½"         151175           ½"         151175           ½"         151175           ½"         151175           ½"         151175           ½"         151175           ½"         151175           ½"         151175           74"         151170           Tool holder         151200           Dimpling pliers         151200           Lubricant (tin)         151200				
12       151110         14       151120         15       151125         16       151130         18       151140         20       151145         22       151155         ½"       151155         ½"       151160         ½"       151160         ½"       151165         ½"       151175         REMS Twist/Hurrican drive unit         with stabiliser       151175         Tool holder         Dimpling pliers       151200         Dimpling pliers       151230         Lubricant (tin)       151240		7⁄8"	156475	
14       151120         15       151125         16       151130         18       151145         20       151145         22       151150         %"       151150         ½"       151165         ½"       151165         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         Displinger       151200         Dimpling pliers       15120         Lubricant (tin)       151230	Extractor tool			
15       151125         16       151130         18       151140         20       151145         22       151150         %"       151155         ½"       151165         ½"       151165         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151200         Dimpling pliers       151200         Lubricant (tin)       151230				
16       151130         18       151140         20       151145         22       151155         ½"       151155         ½"       151160         ½"       151160         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151170         ½"       151200         Dimpling pliers       151230         Lubricant (tin)       151240				
18       151140         20       151145         22       151150         %"       151155         ½"       151150         %"       151160         %"       151160         %"       151165         ½"       151175         Zer       151200         Dimpling pliers       151200         Lubricant (tin)       151240				
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22         151150           %"         151155           ½"         151160           %"         151165           ½"         151165           ¾"         151170           ¾"         151170           ½"         151170           %"         151170           %"         151170           %"         151170           %"         151170           %"         151170           %"         151170           %"         151170           Øred         151200           Drill head         151200           Dimpling pliers         151230           Lubricant (tin)         151240				
%"     151155       ½"     151155       ½"     151165       ½"     151170       ½"     151170       ½"     151170       ½"     151170       ½"     151170       ½"     151170       ½"     151170       ½"     151170       ½"     151170       ½"     151170       ½"     151200       Drill head     151210       Dimpling pliers     151230       Lubricant (tin)     151240				
½"         151160           %"         151165           ¾"         151175           %"         151175           REMS Twist/Hurrican drive unit           with stabiliser         151401           Tool holder         151200           Drill head         151210           Dimpling pliers         151230           Lubricant (tin)         151240		22	151150	
5%"         151165           3⁄4"         151170           3⁄4"         151170           7⁄6"         151175           REMS Twist/Hurrican drive unit with stabiliser           tool holder           Tool holder         151200           Drill head         151210           Dimpling pliers         151230           Lubricant (tin)         151240			151155	
¾"         151170           ½"         151175           REMS Twist/Hurrican drive unit with stabiliser           with stabiliser         151401           Tool holder         151200           Drill head         151210           Dimpling pliers         151230           Lubricant (tin)         151240				
151175           REMS Twist/Hurrican drive unit with stabiliser         151401           Tool holder         151200           Drill head         151210           Dimpling pliers         151230           Lubricant (tin)         151240			151165	
REMS Twist/Hurrican drive unit151401with stabiliser151401Tool holder151200Drill head151210Dimpling pliers151230Lubricant (tin)151240				
with stabiliser         151401           Tool holder         151200           Drill head         151210           Dimpling pliers         151230           Lubricant (tin)         151240		7⁄8"	151175	
Tool holder         151200           Drill head         151210           Dimpling pliers         151230           Lubricant (tin)         151240		ve unit		
Drill head         151210           Dimpling pliers         151230           Lubricant (tin)         151240	with stabiliser		151401	
Dimpling pliers151230Lubricant (tin)151240	Tool holder		151200	
Lubricant (tin) 151240	Drill head			
Steel case with insert 151600	Lubricant (tin)			
	Steel case with insert		151600	



리크잡





## Soldering

	Cleaning pads	186
	Electric soldering pliers	186
i	Electric soldering unit	187
	Turbo soldering torches	188
Service Servic	Solder wire and solder paste	189

## **REMS Cu-Vlies**

Metal-free, highly flexible cleaning pads for cleaning surfaces to be soldered on copper tubes and soldering fittings. Also for other materials.

### REMS Cu-Vlies - clean surfaces according to DVGW.

Universal use, for many materials, highly flexible. Cleans metallic clear, dirt and oxide-free, according to DVGW work sheet GW 2. Clean finish. Multiple use, reusable by washing out, thus long service life. Can be used wet or dry.

### Supply format

**REMS Cu-Vlies.** Metal-free, highly flexible cleaning pad for cleaning areas to be soldered on copper pipes and soldering fittings. Pack of 10.

ArtNo.	
160300	



German Quality Product

Electric soldering pliers

## **REMS Hot Dog 2**

Efficient, light-weight electric tool for soft soldering. Directly connected to a socket, no transformer required. For trade and industry. For the building site and the workshop.

Copper tubes	Ø 10–28 mm
	Ø 3⁄8-11⁄8"
Heating capacity	800°C

## **REMS** Hot Dog 2 – the smallest and most powerful soldering pliers. Super fast without flame.

Super fast soldering, e.g. Ø 18 mm in only 15 s. Enormous heating capacity up to 800°C through 2 heating cartridges. For permanent use. Super light and handy, complete only 0.7 kg. Can be used anywhere, in confined areas also.

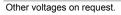


German Quality Product

### Supply format

**REMS Hot Dog 2 Set.** Electric soldering pliers for soft soldering copper tubes  $\emptyset \ 10-28 \text{ mm}, \emptyset \ \%-1\%$ ". 230 V, 50–60 Hz, 440 W. 250 g REMS Lot Cu 3 and REMS Paste Cu 3. Cleaning brush. In steel case with fire retarding insert.

ArtNo.	
163020	



Description	ArtNo.		
REMS soldering material see page 189.			
Steel case with fire-proof inlay	163350		





## **REMS Contact 2000**

Compact, powerful electric tool for soft soldering. With safety transformer. For trade and industry. For the building site and the workshop.

Copper tubes	Ø 6–54 mm
	Ø ¼-21⁄8"
Heating capacity	900°C (1650°F)

### REMS Contact 2000 – the smallest, strongest and fastest unit of its kind. 2000 W soldering power. 4 m long soldering tongs cable.

Handy, compact. Favourable weight, small in size for work and transport. L×W×H: 210×150×140 mm.

Enormous heating capacity (900°C) ensures super-fast soldering. Rated power = Soldering capacity = 2000 W! Soldering time, e.g. for  $\emptyset$  18 mm in only 18 s.

Can be used anywhere, with rod electrodes in tight spots also. Ready to solder any time, to be connected to a socket only. No adjustment of soldering current necessary. Wide work radius thanks to 4 m cable length. Flexible cable protector hose.

Indifferent to temperature influences electric control of soldering current. Prisma-electrodes for universal use, maximum use through favorable seat. Rod-electrodes for working in tight spots. Electrode holders and bolts in stainless steel. Electrodes can be easily replaced.



Prisma-electrodes for universal use, maximum use through favorable seat.

### Supply format

**REMS Contact 2000.** Electric soldering unit for soft soldering of copper tubes  $\emptyset 6-54 \text{ mm}, \emptyset \ \ 2-2\%$ ". 230 V, 50–60 Hz, 2000 W, control voltage 24 V. Soldering pliers with 4 m cable length. Safety transformer, 2 prism electrodes. In a carton.

ArtNo.	
164011	

Other voltages on request.

### Supply format

Accessories

**REMS Contact 2000 Super-Pack.** Electric soldering unit for soft soldering of copper tubes Ø 6–54 mm, Ø ¼–2¼". 230 V or 110 V, 50–60 Hz, 2000 W, control voltage 24 V. Soldering pliers with 4 m cable length, safety transformer, 4 prism electrodes, 2 rod electrodes, 250 g quality soft solder REMS Lot Cu 3, 250 g quality soft solder paste REMS Paste Cu 3, 1 tubing cutter REMS RAS Cu-INOX 3-35, pack of 10 cleaning pads REMS Cu-Vies. In sturdy steel case.

ArtNo.
164050

ArtNo.	
164111	
164110	
164115	
164250	
	164111 164110 164115





German Quality Product





## **REMS Blitz**

Handy self-lighting torch with turbo-flame for fast soft soldering and economic gas consumption.

Copper tubes			Ø	í ≤ 35 mm
Heating, annealing,	burning, ı	melting,	thawing,	shrinking
and similar thermal	procedure	es.		

Flame temperature 1950°C (3500°F)

### **REMS Blitz – extremely fast soft soldering.**

### **Piezo-electric self-lighting**

Without igniter! Pull trigger – flame comes on! Release trigger – flame goes out! Little gas consumption, only 160 g/h!

### Design

Super handy, ergonomic, with one hand only. No setting, no adjustment. Locking button for continuous operation. Only 1 universal flame tube. Small gas bottles can be used.

#### **Turbo-flame**

Spot-flame with turbo-twisting-booster for high heating capacity and super fast soft soldering.

### Supply format

**REMS Blitz.** Turbo soldering torch propane for soft soldering of copper tubes  $\emptyset \le 35$  mm. Piezo-electric self-lighting. Hose connector BSPP %" LH. Hollow cap nut and socket BSPP %" LH. In blister pack.

· · · ·				
			ArtNo.	
			160010	

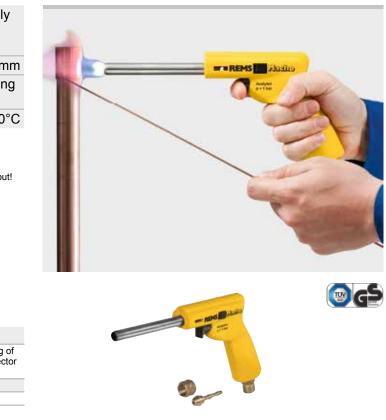
#### Accessories

Description	ArtNo.	
REMS soldering material see page 189.		
High pressure hose 3 m, BSPP % LH	152106	
Pressure reducer for 5 or 11 kg gas bottles (2 bar)	152109	



Turbo soldering torch acetylene

## **REMS Macho**



Handy self-lighting torch with turbo-flame for extremely<br/>fast brazing and soft soldering. Economic gas<br/>consumption.Copper tubes and others $\emptyset \le 64 \text{ mm}$ Heating, annealing, burning, melting, thawing, shrinking<br/>and similar thermal procedures. $\emptyset \le 500^{\circ}C$ 

### **REMS Macho – super fast brazing.**

### **Piezo-electric self-lighting**

Without igniter! Pull trigger – flame comes on! Release trigger – flame goes out! Little gas consumption, only 360 g/h!

### Acetylene only

Injection torch burns atmospheric oxygen. Hence only acetylene necessary. **Design** 

Super handy, ergonomic, with one hand only. No setting, no adjustment. Locking button for continuous operation. Only 1 universal flame tube.

### Turbo-flame

Spot-flame with turbo-twisting-booster for extremely high heating capacity and super fast brazing.

### Supply format

**REMS Macho.** Turbo soldering torch acetylene for brazing and soft soldering of copper tubes and others  $\emptyset \le 64$  mm. Piezo-electric self-lighting. Hose connector BSPP %" LH. Hollow cap nut and socket %" LH. In blister pack.

ArtNo.	
161010	

#### Accessories

REMS soldering material see page 189.





## **REMS Lot Cu 3**

Soft soldering of copper tubes with copper, red copper cast and brass fittings for cold and hot water installation, heating installation  $\leq 110^{\circ}$ C (230°F).

In accordance with DVGW work sheet GW 2.

Alloy (weight %) Melting temperature

97 % Sn, 3 % Cu 230–250°C (450–480°F)

### REMS Lot Cu 3 - quality soft solder.

Lead-free, harmless to health and environment. Silver-free, complies with standards. Very low price.

## Supply format

**REMS Lot Cu 3.** 250-g spool soft solder wire S-Sn97Cu3, EN 29453, Ø 3 mm, for soft soldering of copper tubes with copper, red copper cast and brass fittings for cold and hot water installation, heating installation  $\leq 110^{\circ}C$  (230°F).

ArtNo.	
160200	

## **REMS Paste Cu 3**



Soft solder paste of solder powder S-Sn97Cu3 according to EN 29453 and flux 3.1.1.C, EN 29454-1

Soft soldering of copper tubes with copper, red copper cast and brass fittings for cold and hot water installation, heating installation  $\leq 110^{\circ}$ C (230°F).

In accordance with DVGW work sheet GW 7 (DVGW-Reg.-Nr. DV-0101AP2793)

### **REMS** Paste Cu 3 – quality soft solder paste.

Lead-free, harmless to health and environment.

Silver-free, complies with standards. Very low price.

No additional flux consumption, paste contains flux already. Thus less danger of corrosion.

No overheating of tube and fitting because the melting of solder and the required temperature for soldering is clearly visible through the change of colour of paste. High filling level of soldering joint, thereby good stability. Easy cleaning of remnants which are soluable in cold water.

Plastic bottle with brush integrated in cap which cannot get lost.

### Supply format

**REMS Paste Cu 3.** 250-g soft solder paste of solder powder S-Sn97Cu3 according EN 29453 and flux 3.1.1.C, EN 29454-1, for soft soldering of copper tubes with copper, red copper cast and brass fittings for cold and hot water installation, heating installation  $\leq$  110°C (230°F). DVGW approval mark FI 038. In plastic bottle with integrated brush.

ArtNo.	
160210	

## **REMS Lot P6**

Brazing of copper tubes with copper, red copper cast and brass fittings in cold and hot water installation, gas installation, refrigerating and air conditioning applications.

In accordance with DVGW work sheet GW 2.

Alloy (weight %)	94 % Cu, 6 % P
Melting temperature	710-890°C (1310-1640°F)

### **REMS Lot P6 – quality brazing solder.**

Universally applicable for almost all types of joints in copper pipe installations. Specially useful for capillary brazing joints of copper pipe installations without fittings. Wide melting range due to low phosphor content result in higher toughness of soldering joint.

Silver-free, complies with standards. Very low price.

### Supply format

**REMS Lot P6.** 1 kg brazing solder (rods) B-Cu94P-710/890, EN 1044, # 2 mm, for brazing of copper tubes with copper, red copper cast and brass fittings for cold and hot water installation, gas installation, refrigerating and air conditioning applications. In a carton.

ArtNo.	
160220	



German Quality Product

### Brazing solder B-Cu94P-710/890, EN 1044





## Freezing



Pipe freezer CO<sub>2</sub>



Electric pipe freezing unit

193

192

## **REMS Eskimo**

Pipe freezer

Simple, fast freezing of unemptied pipes with a carbon dioxide coolant. For repair, extensions of piping systems.

Steel, copper, plastic, composite pipes

Ø 1⁄8−2" Ø 10−60 mm

Refrigerant: carbon dioxide.

Refrigerating capacity to -79°C (-110°F).

Non toxic, non flammable.

### REMS Eskimo – freezing instead of draining. Super fast. Automatic refrigerant feed. High cooling capacity, e.g. <sup>3</sup>/<sub>4</sub>" steel pipe in only 5 min. Very small, indestructible freeze collars.

### Refrigerant

Carbon dioxide coolant with high cooling performance up to -79°C. Non toxic. Non flammable. Easy to obtain.

### Design

Tight contact between freeze collars and pipe and direct flow of the refrigerant onto the pipe ensure extremely short freezing times and economic refrigerant consumption. Freezing is possible on one or two sides, with additional T-distributors further freeze collars can also be connected.

#### **Freeze collars**

Easy. Rapid assembly, without special tools. Very small, highly flexible, indestructible freeze collars in cold-resistant thermoplastic elastomer, for operating even in the tightest spots. Clamping screws cannot get lost.

### Handle piece with injector

Ergonomically designed handle pieces in plastic for comfortable operation. Unbreakable brass injector (injection nozzle). Fast and secure connection to freeze collars. No setting, the correct amount of refrigerant is automatically supplied.

### High pressure hoses

Flexible, buckling-resistant and fractureproof high pressure hoses. Extra long for wide work radius. Extendable any time. Turnable hollow cap nut at bottle connector prevents high pressure hoses from tangling.







German Quality Product



### Supply format

**REMS Eskimo Set.** Pipe freezing device for carbon dioxide coolant. For steel, cast iron, lead, copper, plastic pipes Ø  $\frac{1}{6}$ -2", Ø 10-60 mm. Two freezing jackets each in 10 different sizes for the whole working range, flange connection with T-junction, locking nut, 2 handles with injector, 2 high-pressure hoses. In sturdy carrying case.

		ArtNo.	
		130002	

Description	Size		ArtNo.	
Freezing jacket	1⁄8"	10/12 mm	130450	
	1⁄4"	15 mm	130455	
	3/8"	18 mm	130460	
	1/2"	22 mm	130465	
	3/4"	28 mm	130470	
	1"	35 mm	130475	
	11⁄4"	42 mm	130480	
	11/2"		130485	
		54 mm	130490	
	2"	60 mm	130495	
High-pressure hose 2 m			130415	
T-distributor for further collar			130207	
Locking nut			130209	
Double nipple			130208	
Handle piece with injector			130410	
Case with inlay			130430	



## **REMS Frigo 2**

Easy, fast freezing of pipes which are not drained. Closed refrigerant circuit. Environmentally safe. For repair and extension of piping systems.

Steel, copper, plastic,	
composite pipes	Ø 1⁄8–2"
	Ø 10–60 mm

Refrigerant: R-404A.

REMS Frigo 2 – electrically freezing instead of draining. Super fast up to 2". High cooling capacity, e.g. <sup>3</sup>/<sub>4</sub>" steel pipe in only 9 min\*. Particularly compact, patented deep-freezer heads, for very fast assembly. Temperature display with LCD digital thermometer.

### System advantage

Only one pipe freezing unit for the complete working range up to 2". One-size freezer heads for the core working range Ø  $\frac{1}{4}$ –1" / Ø 15–35 mm, no reducing inserts required. Aid the cooling process simply by spraying with water. Always clean freezer heads, no pastes/greases required.

### **Closed refrigerant circuit**

Electric pipe freezing unit with closed refrigerant circuit. Environmentally safe. Can be used anywhere, also in closed rooms. Refrigerant R-404A. High cooling capacity. Ideal also for longer repairs.

### Design

Robust, compact. Very small deep-freezer heads fitted parallel to the pipe leaving refrigerant hoses for working in confined areas and niches also. Single or double freezing possible.

### **Cooling aggregate**

Very quiet. Cooling aggregate, 430 W, in sturdy sheet metal housing with ventilating side openings for optimum air circulation. Large top compartment, easily accessible, for refrigerant hoses and accessories. Weighs only 23 kg. Easy to carry.

### **Deep-freezer heads**

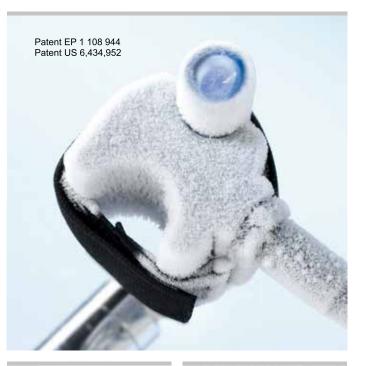
Very compact deep-freezer heads with special geometrically shaped cavities for seating different pipe diameters (Patent EP 1 108 944, Patent US 6,434,952). Very small, only 50 mm wide. All pipe sizes from  $\emptyset /_4 - 1^*$  resp.  $\emptyset 15 - 35$  mm can be frozen with only one deep-freezer head. Deep-freezer inserts for the rest of the capacity up to 2", 60 mm. Tightening straps for simple and quick assembly of deep-freezer heads onto the pipe, without tools.

### **Refrigerant hoses**

Flexible, extra-long refrigerant hoses in wear resistant, synthetic rubber for large work radius.

### LCD-Digital-Thermometer

LCD digital thermometer with clip, for exact temperature display directly at the freezing points.







German Quality Product



### Supply format

**REMS Frigo 2 Set.** Electric pipe freezing unit with closed refrigerant circuit. For steel, copper, plastic, composite pipes, Ø  $\frac{1}{2}$ –2", Ø 10–60 mm. Cooling aggregate 230 V or 110 V, 50 Hz, 430 W, 2 refrigerant hoses, 2 LCD digital thermometers, 2 tightening straps, squirt bottle. Equipped for Ø  $\frac{1}{2}$ –1 $\frac{1}{4}$ ", 15–42 mm. In sturdy sheet metal housing.

ArtNo.	
131011	

Description	Size	ArtNo.
Extension kit up to 2", 60 mm	1½-2"/54-60 mm	131160
Deep-freeze inserts (pack of 2)	<sup>1</sup> ∕₅" 10, 12 mm 1½"	131110 131156
	54 mm	131157
	2" 60 mm	131158





Pipe and Drain inspection Pipe and Drain cleaning

	Endoscope cameras	196
	Electronic camera inspection systems	200
~	Drain cleaner for manual and electric operation	202
-	Electric drain cleaning machine	203
R	Electric pipe and drain cleaning machines	204

## **REMS CamScope Wi-Fi**

Mobile, handy endoscope camera with Wi-Fi radio standard for low cost inspection and damage analysis of places with difficult access such as cavities, shafts, pipes etc. Wireless transmission of photos and videos to Smartphones/tablet PCs with Android and iOS operating systems.

Camera head

Ø 4.5/9/16 mm

## REMS CamScope Wi-Fi – Brilliant pictures and videos of cavities, shafts and pipes.

# Wireless transmission of photos and videos to Smartphones/tablet PCs with Android and iOS operating systems.

### Design

Ultra light and handy. Hand-held unit with camera cable set only 0.3 to 0.5 kg. Can be used everywhere, free hand, over head, also in very confined spaces Sturdy, impact-proof plastic housing with ergonomically shaped handle. On/off thumbwheel switch for continuous brightness control of the LEDs in the camera head. Power LED for indicating the operating state. Practical, removable battery holder for 4 commercially available 1.5 V, AA, LR6 batteries. Various camera cable sets can be used. Plug-screw connections for changing the camera cable sets and the push cable extensions without tools. Sturdy case for hand-held unit, camera cable set 16-1/9-1/4.5-1, push cable extension, controller unit, voltage supply/charger and accessories.

#### **Controller unit**

Controller unit with Wi-Fi radio standard for wireless transmission of photos and videos to Smartphones/tablet PCs with Android and iOS operating systems. REMS application software for Android or iOS operating systems required.

### **Application software**

REMS CamScope App application software for real time monitoring of the inspection results on the high resolution display of a Smartphone/Tablet-PC. Voice recording for simple commentary during the video recording. Immediate playback of saved recordings or transmission to other devices via e-mail for easy documentation. Free REMS application software from the Apple App Store or Android App at Google Play.

### Exchangeable camera cable set Color

Camera cable set Color, consisting of colour camera Ø 4,5 mm, Ø 9 mm or Ø 16 mm, with CMOS sensor with dimmable white light LEDs for optimum setting of the brightness and fixed focus function for automatic picture focus, protected against occasional immersion in water (IP 67). Camera cable set Color 16-1 and 9-1 with 1 m flexible push cable and add-on mirror, add-on hook, add-on magnet. Camera cable set Color 4.5-1 with 1 m flexible push cable, ideal for inspecting small pipe bends and narrow places, e.g. odour traps, bore holes, breakthroughs. Flexible 900 mm push cable extension, connectable up to a working length of 4.5 m, as an accessory. Camera cable set Color 16-1 90°, with right-angled colour camera Ø 16 mm, 640 × 480 pixels, with 1 m flexible push cable, as an accessory.















### Supply format

**REMS CamScope Wi-Fi Set.** Mobile, handy endoscope camera with Wi-Fi radio standard for low cost inspection and damage analysis of places with difficult access such as cavities, shafts, pipes etc. Wireless transmission of photos and videos with voice recording to Smartphones/tablet PCs with Android or iOS\* operating systems. Controller unit with 4 batteries 1.5 V, AA, LR6. In sturdy case. Optional with camera cable set 4.5-1, camera cable set 9-1 or camera cable set 16-1.

set 10-1.			
Description	Version	ArtNo.	
Set 16-1	Camera cable set Color 16-1, consisting of colour camera Ø 16 mm, 704 × 576 pixels, with dimmable white light LEDs and fixed focus function and 1 m form- able push cable. Add-on mirror, add-on hook, add-on magnet	175140	
Set 9-1	Camera cable set Color 9-1, consisting of colour camera Ø 9 mm, 640 ×480 pixels, with dimmable white light LEDs and fixed focus function and 1 m form- able push cable. Add-on mirror, add-on hook, add-on magnet	175141	
Set 4,5-1	Camera cable set Color 4.5-1, consisting of colour camera Ø 4.5 mm, 320 × 240 pixels, with dimmable white light LEDs and fixed focus function and 1 m formable push cable. Ide- al for inspecting small pipe bends and narrow places.	175142	

\*REMS CamScope App required. Free from the Apple App Store or Android App at Google Play.



#### Accessories

Description	ArtNo.	
<b>Camera cable set Color 16-1</b> , colour camera Ø 16 mm, 704 × 576 pixels, with 1 m flexible push cable. Add-on mirror, add-on hook, add-on magnet	175103	
<b>Camera cable set Color 16-1 90°</b> , right-angled colour camera Ø 16 mm, 640 × 480 pixels, with 1 m flexible push cable.	175106	
<b>Camera cable set Color 9-1,</b> colour camera Ø 9 mm, 640 × 480 pixels, with 1 m flexible push cable. Add-on mirror, add-on hook, add-on magnet	175104	
Camera cable set Color 4.5-1, colour camera $\emptyset$ 4.5 mm, 320 × 240 pixels, with 1 m flexible push cable.	175102	
<b>900 mm push cable extension,</b> flexible, connectable up to a working length of 4.5 m	175105	



4.5 mm

## REMS CamScope / CamScope S

Mobile, handy endoscope camera with radio signal transmission for low cost inspection and damage analysis of places with difficult access such as cavities, shafts, pipes etc. Documentation of photos and videos on MicroSD card. REMS CamScope S with voice recording. For battery and mains operation.

Camera head

Ø 4.5/9/16 mm

### REMS CamScope – Brilliant pictures and videos of cavities, shafts and pipes. Removable controller unit. Radio signal transmission MicroSD card slot.

REMS CamScope S - with voice recording.

### Design

Ultra light and handy. Hand-held unit with camera cable set only 0.3 to 0.5 kg. Can be used everywhere, free hand, over head, also in very confined spaces Sturdy, impact-proof plastic housing with ergonomically shaped handle. On/off thumbwheel switch for continuous brightness control of the LEDs in the camera head. Power LED for indicating the operating state. Practical, removable battery holder for 4 commercially available 1.5 V, AA, LR6 batteries. Various camera cable sets can be used. Plug-screw connections for changing the camera cable sets and the push cable extensions without tools. Sturdy case for hand-held unit, camera cable set 16-1/9-1/4.5-1, push cable extension, controller unit, voltage supply/charger and accessories.

#### Controller unit with TFT-LCD colour display Controller unit with 3.5" colour display with state of the art TFT-LCD technology for

Controller unit with 3.5" colour display with state of the art TFT-LCD technology for brilliant pictures and videos, 88 mm screen diagonal, 320 × 240 pixels, removable for radio signal transmission or securely pluggable to hand-held unit for direct signal transmission by contact pins. Very light and handy: REMS CamScope only 0.14 kg, REMS CamScope S only 0.24 kg. Sturdy plastic housing, spray water protected, REMS CamScope S with rubber impact protection. Small dimensions: REMS CamScope 102 × 71 × 25 mm, REMS CamScope S 105 × 92 × 42 mm. MicroSD card slot with spring release mechanism. Photos and videos can be saved on a MicroSD card for simple documentation of the inspection result. REMS CamScope S with voice recording for easy commentary during video recording. REMS CamScope S with 3× digital zoom. The date and time of the recording can be saved in the photo and video as an option. Immediate playback of saved recordings or transmission to other devices via MicroSD card. Playing of the voice recording in REMS CamScope S by external devices, e.g. PC or laptop. USB connector for direct connecting on external monitor. Connection for voltage supply/charger Li-lon 100–240 V.

### Cordless and mains operation

Li-Ion technology. Controller unit with integrated Li-Ion 3.7 V, 1.2 Ah battery. Powerful and light. High energy density for approx. 2 hours continuous operation. Voltage supply 100–240 V, 50–60 Hz, 9 W, for mains operation instead of battery with integrated electronic Li-Ion charger. No memory effect for maximum battery performance.

### Exchangeable camera cable set Color

Camera cable set Color, consisting of colour camera Ø 4,5 mm, Ø 9 mm or Ø 16 mm, with CMOS sensor with dimmable white light LEDs for optimum setting of the brightness and fixed focus function for automatic picture focus, protected against occasional immersion in water (IP 67). Camera cable set Color 16-1 and 9-1 with 1 m flexible push cable and add-on mirror, add-on hook, add-on magnet. Camera cable set Color 4.5-1 with 1 m flexible push cable, ideal for inspecting small pipe bends and narrow places, e.g. odour traps, bore holes, breakthroughs. Flexible 900 mm push cable extension, connectable up to a working length of 4.5 m, as an accessory. Camera cable set Color 16-1 90°, with right-angled colour camera Ø 16 mm, 640 × 480 pixels, with 1 m flexible push cable, as an accessory.













### Supply format

**REMS CamScope Li-Ion Set.** Mobile, handy endoscope camera with radio signal transmission for low cost inspection and damage analysis of places with difficult access such as cavities, shafts, pipes etc. Documentation of photos and videos on MicroSD card. Handheld unit with 4 batteries 1.5 V, AA, LR6 Removable controller unit with radio tsignal transmission, 3.5" TFT-LCD colour display, MicroSD card slot, USB port, video out socket PAL/NTSC, integrated Li-ion battery, 3.7 V, 1.2 Ah. 2 GB MicroSD card Voltage supply/charger Li-Ion 100-240 V, 50-60 Hz, 9 W, for controller unit. USB cable, video cable. In sturdy case. Optional with

camera cable set 4.5-1, camera cable set 9-1 or camera cable set 16-1.			
Description	Version	ArtNo.	
Set 16-1	Camera cable set Color 16-1, consisting of colour camera Ø 16 mm, 704 × 576 pixels, with dimmable white light LEDs and fixed focus function and 1 m form- able push cable. Add-on mirror, add-on hook, add-on magnet	175110	
Set 9-1	Camera cable set Color 9-1, consisting of colour camera Ø 9 mm, 640 × 480 pixels, with dimmable white light LEDs and fixed focus function and 1 m form- able push cable. Add-on mirror, add-on hook, add-on magnet	175111	
Set 4,5-1	Camera cable set Color 4.5-1, consisting of colour camera Ø 4.5 mm, $320 \times 240$ pixels, with dimmable white light LEDs and fixed focus function and 1 m formable push cable. Ide- al for inspecting small pipe bends and narrow places.	175112	









### Supply format

REMS CamScope S Li-Ion Set. Mobile, handy endoscope camera with radio signal transmission for low cost inspection and damage analysis of places with difficult access such as cavities, shafts, pipes etc. Documentation of photos and videos with voice recording on MicroSD card. Handheld unit with 4 batteries 1.5 V, AA, LR6 Removable controller unit with radio signal transmission, 3.5" TFT-LCD colour display, 3x digital zoom, MicroSD card slot, USB port, video out voltage supply/charger Li-lon 100–240 V, 50–60Hz, 9 W, for controller unit. USB cable, video cable. In sturdy case. Optional with camera cable set 4.5-1, camera cable set 9-1 or camera cable set 16-1.

Description	Version	ArtNo.
Set 16-1	Camera cable set Color 16-1, consisting of colour camera Ø 16 mm, 704 × 576 pixels, with dimmable white light LEDs and fixed focus function and 1 m form- able push cable. Add-on mirror, add-on hook, add-on magnet	175130
Set 9-1	Camera cable set Color 9-1, consisting of colour camera Ø 9 mm, 640 × 480 pixels, with dimmable white light LEDs and fixed focus function and 1 m form- able push cable. Add-on mirror, add-on hook, add-on magnet	175131
Set 4,5-1	Camera cable set Color 4.5-1, con- sisting of colour camera Ø 4.5 mm, 320 × 240 pixels, with dimmable white light LEDs and fixed focus function and 1 m formable push cable. Ideal for inspecting small pipe bends and narrow places.	175132

Description	ArtNo.	
<b>Camera cable set Color 16-1</b> , colour camera Ø 16 mm, 704 × 576 pixels, with 1 m flexible push cable. Add-on mirror, add-on hook, add-on magnet	175103	
<b>Camera cable set Color 16-1 90°</b> , right-angled colour camera Ø 16 mm, 640 × 480 pixels, with 1 m flexible push cable.	175106	
<b>Camera cable set Color 9-1,</b> colour camera Ø 9 mm, 640 × 480 pixels, with 1 m flexible push cable. Add-on mirror, add-on hook, add-on magnet	175104	
Camera cable set Color 4.5-1, colour camera Ø 4.5 mm, $320 \times 240$ pixels, with 1 m flexible push cable.	175102	
<b>900 mm push cable extension,</b> flexible, connectable up to a working length of 4.5 m	175105	



## **REMS CamSys**

Ultra light, handy camera inspection system for inexpensive inspection and damage analysis of pipes, drains, chimneys and other hollow cavities. With electronic metering. Also for inspection after pipe cleaning work and for acceptance of new installations or repairs. Documentation of pictures and videos on SD card. For battery and mains operation.

Camera head Ø 25 mm Pipe Ø (40) 50-150 mm Drains, chimneys, other cavities

**REMS CamSys Li-Ion – Brilliant pictures and videos** of pipes and drains. SD card slot. With electronic metering.

For battery and mains operation.

### System advantage

Only one controller unit with TFT-LCD colour display for connecting different camera cable sets for different requirements. Therefore inexpensive conversion possible.

### Design

Ultra light and handy. Can be used everywhere, even in very narrow places. Controller unit connected to the camera cable set by a 2 m connecting cable, removable for easy cleaning of the camera cable set. Various camera cable sets can be used. Plug-screw connections for changing the camera cable sets and the controller unit without tools. Sturdy case for controller unit, voltage supply/ charger and accessories.

## Controller unit with TFT-LCD colour display

Controller unit with 3.5" colour display with state of the art TFT-LCD technology for brilliant pictures and videos, 89 mm screen diagonal, 320×240 pixels. Very light and handy, only 0.4 kg. Sturdy, impact-proof plastic housing, spray protected. Small dimensions: 172×121×58 mm. Keys for setting the brightness of the LEDs of the colour camera head. Full screen, 2x zoom and reflection possibility. SD card slot with spring release mechanism. Pictures and videos can be saved on an SD card for simple documentation of the inspection result. The date and time of the recording as well as the insertion depth of the camera can be saved in the picture and video as an option. Pictures can be taken during video recording without impairing the video recording. Immediate playback of saved recordings or transmission to other devices via SD card. Pictures can also be taken later from the video during playback of recorded videos on the controller's colour display. USB connector for direct connection to PC or laptop. Video output socket Composite-Video PAL/NTSC for connecting an external monitor. Connection for voltage supply/charger Li-Ion 100-240 V.

## Cordless and mains operation

Li-Ion technology. Controller unit with integrated Li-Ion 3.7 V, 2.5 Ah battery. Powerful and light. High energy density for approx. 2 hours continuous operation. Power supply/charger 100-240 V, 50-60 Hz, 10 W, with USB port and USB cable for connecting power supply/charger, laptop or other voltage supply. No memory effect for maximum battery performance.

### High resolution special colour camera

High resolution special colour camera Ø 25 mm with CMOS image sensor and 8 ultra bright, white LEDs with adjustable light intensity up to 1700 mcd and concentrated radiation angle for brilliant colour pictures with even illumination. Low light requirement due to very high light sensitivity (0.1 lux). Fixed focus and special lens with 90° wide angle, also for detecting the smallest details.

### Exchangeable cable camera sets

Camera cable sets S-Color, consisting of special colour camera with optional 30 m push cable  $\emptyset$  5.4 mm, flexible, for  $\emptyset$  50–150 mm, in hasp with electronic metre counter, 20 m push cable Ø 4.5 mm, very flexible, for small pipe diameters and narrower bends Ø (40) 50-150 mm, in the hasp with electronic metre counter or 10 m push cable Ø 4.5 mm with length mark, very flexible, for small pipe diameters and narrower pipe bends Ø (40) 50–150 mm, in the cable reel, with connection for controller unit. Very small, rounded camera head Ø 25 mm, water-tight up to 20 m (0,2 MPa/2 bar/29 psi) and highly flexible sliding spring tapered towards the push cable for effortless feeding even through several pipe bends. Camera head with strong, quick-change protective cap made from high-strength polyacrylic with inserted mineral glass pane. Bend-manoeuvring push cable in hybrid technology, with glass fibre core, data cables and plastic sheath, very stable, for long life. Robust, powder-coated, easy to clean cable cage. Hasp with rotary cage for simple unwinding and winding of the push cable and integrated sensor for electronic metering

## **Guide bodies**

Various guide bodies for larger pipe diameters, firmly lockable on the camera head, as an accessory.











## **REMS CamSys**

### Supply format

Accessories

**REMS CamSys Li-Ion Set S-Color.** Electronic camera inspection system for low-cost inspection and damage analysis. Documentation of pictures and videos on SD card with specification of date and time. Controller unit in microprocessor technology with 3.5" TFT-LCD colour display, SD card slot, USB port, video out socket PAL/NTSC, integrated Li-ion battery, 3.7 V, 2.5 Ah, in sturdy, impact-proof plastic housing, spray protected. 2 m connecting cable from the controller unit to the camera cable set, voltage supply/charger 100–240 V, 50–60 Hz, 10 W, SD card 4 GB, USB cable, video cable, in sturdy case. Camera cable set S-Color with high resolution special colour camera Ø 25 mm with CMOS image sensor and push cable.

Description	Version	ArtNo.	
Set S-Color 10 K	10 m push cable Ø 4.5 mm with length mark, very flexible, in cable reel. For small pipe diameters and narrower pipe bends Ø (40) 50–150 mm, drains, shafts, stacks and other cavities.	175008	
Set S-Color 20 H	20 m push cable Ø 4.5 mm, very flexible, in the hasp with electronic metre counter. For small pipe diameters and narrower pipe bends Ø (40) 50–150 mm, drains, shafts, stacks and other cavities.	175007	
Set S-Color 30 H	30 m push cable Ø 5.4 mm, flexible, in the hasp with electronic metre counter. For pipes Ø 50–150 mm, drains, shafts, stacks and other cavities.	175010	



Description	ArtNo.	
REMS CamSys Li-Ion Basic-Pack Controller unit in microprocessor technology with 3.5" TFT-LCD colour display, SD card slot, USB port, video out socket PAL/NTSC, integrated Li-ion battery, 3.7 V, 2.5 Ah, in sturdy, impact-proof plastic housing, spray protected. 2 m connecting cable from the con- troller unit to the camera cable set, voltage supply/ charger 100–240 V, 50–60 Hz, 10 W, SD card 4 GB, USB cable, video cable, in sturdy case.	175000	
Camera cable set S-Color 10 K with high resolution special colour camera Ø 25 mm with CMOS image sensor, 10 m push cable Ø 4.5 mm with length marking, very flexible, with connection or controller unit, in cable reel. For small diameters and narrower pipe bends Ø (40) 50–150 mm.	175016	
<b>Camera cable set S-Color 20 H</b> with high resolution special colour camera Ø 25 mm with CMOS image sensor and 20 m push cable Ø 4.5 mm, flexible, in the hasp with electronic metering and connection for controller unit. For small diameters and narrower pipe bends Ø (40) 50–150 mm.	175012	
Camera cable set S-Color 30 H with high resolution special colour camera Ø 25 mm with CMOS image sensor and 30 m push cable Ø 5.4 mm, flexible, in the hasp with electronic metering and connection for controller unit. For Ø 50–150 mm.	175011	
Guide body Ø 62 mm	175057	
Guide body Ø 100 mm	175058	
Protective cap with mineral glass pane, sealing ring	175026	
Case with inlay	175018	

## **REMS Pull-Push**

Proven, reliable suction and pressure cleaning device for fast clearance of blockages.

### **REMS** Pull-Push – fast clearance of blockages.

High pressing force by front, adjustable handle. Optimum adaptation to the cleaning task by 2 sleeves: Short sleeve for wash basins and baths, long sleeve for toilets.







## Supply format

**REMS Pull-Push.** Suction and pressure cleaning device for fast clearance of blockages. With short and long sleeve. In a box.

	ArtNo.	
	170300	

## **REMS Mini-Cobra**

Proven hand unit for quick application to remove pipe blockages in kitchen, bath, toilet.

For pipes	Ø 20–50 (75) mm
For cables	Ø 6, 8, 10 mm

### REMS Mini-Cobra – by hand or electric. Indispensable to remove small blockages.

### Design

Simple, robust, practical design. Handy, light. Only 2.9 kg. Easy operation also in traps and tight bends. Easy insertion of cable directly through strainers in sinks and drains. Locking of cable by quick-action chuck.

### **Drain cleaning cables**

Cables in high quality spring steel. Specially hardened. Highly flexible for effortless feed-forward in tight bends. Cable end with bulbous head (sink strainer head), thus easy to bend.

### Cable drum

In hot-galvanized spring steel. Specially hardened. Highly flexible for effortless feed-forward in tight pipe bends. Cable end with bulbous head. Corrosion-resistant cable drum in shock-proof, glass-fibre reinforced plastic prevents pollution of the environment. Ventilation of the cable drum interior enables self-drying of cable. View to cable at all times.

### Drive

By hand with easy action, easy grip crank handle or with suitable electric drill/ with suitable electric screwdriver, speed ≤ 300 rpm. Hexagon adapter for electric drive located in the drum cover. Drain cleaner for manual and electric operation





German Quality Product



### Supply format

**REMS Mini-Cobra.** Pipe cleaning device for pipes Ø 20–50 (75) mm, with crank handle and hexagonal driver for electric drill/screwdriver. For drain cleaning cables Ø 6, 8 and 10 mm. Cable drum in shock-proof, glass-fibre reinforced plastic. Quick-action chuck. Cable Ø 8 mm × 7.5 m long. In a carton.

ArtNo.	
170010	

Description	Ø × Length	ArtNo.	
Drain cleaning cable	8 mm × 7.5 m 10 mm × 10 m	170200 170205	
Drain cleaning cable with core	8 mm × 7.5 m	170201	



## **REMS Mini-Cobra A**

### Electric drain cleaning machine

Electric drain cleaning machine with automatic feedforward and reverse. For effortless and quick application to remove pipe blockages in kitchen, bath, toilet.

### For pipes

For cables

Ø 20–50 (75) mm Ø 8, 10 mm

### REMS Mini-Cobra A – quick removal of blockages. With automatic feed-forward and reverse.

### Design

Compact unit of drive machine and cable drum. Handy, light. Only 5,2 kg. Combined thrust and grip handle for controlling the automatic feed-forward and reverse and for safe holding of the unit. Easy operation also in traps and tight bends. Easy insertion of cable directly through strainers in sinks and drains.

### **Drain cleaning cables**

Drain cleaning cables in high quality spring steel. Specially hardened. Highly flexible for effortless feed-forward in tight pipe bends. Cable end with bulbous head (sink strainer head), thus easy to bend. Drain cleaning cables with core in high quality spring steel prevents ingress of dirt and generation of long fibres in the cable windings.

#### Cable drum

Corrosion resistant cable drum in shock-proof, glass-fibre reinforced plastic prevents pollution of the environment. Ventilation of the cable drum interior enables self-drying of cable. View of the cable at any time.

### Drive

Proven drive unit with hexagon mount. Enormously powerful. Robust, maintenance-free gear with safety slipping clutch. Universal motor, 600 W, high-torque forward and reverse at low speed. Stepless, electronic speed control. The speed between 0 and 550 rpm is controlled by pressing the tip switch steplessly (acceleration switch).



German Quality Product



### Supply format

**REMS Mini-Cobra A.** Electric drain cleaning machine with automatic feedforward and reverse, for pipes Ø 20-50 (75) mm. For drain cleaning cables Ø 8 and 10 mm. Drive unit with maintenance-free gear, universal motor 230 V or 110 V, 50–60 Hz, 600 W, high-torque forward and reverse at low speed. Safety tip switch. Stepless, electronic speed control (acceleration switch). Cable drum in shock-proof, glass-fibre reinforced plastic. Cable Ø 8 mm , with core, 7.5 m long. In a carton.

ArtNo.	
170020	



Description	Ø × Length	ArtNo.	
Drain cleaning cable with core	8 mm × 7.5 m	170201	
Drain cleaning cable	10 mm × 10 m	170205	
Case with inlay		185058	





Handy, robust, compact machines for versatile use in pipe and drain cleaning. High-speed rotator with connectable cable sections. Proven technology. For pipes  $\emptyset$  20–250 mm For pipe and drain cleaning cables  $\emptyset$  8, 16, 22, 32 mm

All pipe and drain cleaning cables and tools

can also be used for other makes.

### REMS Cobra – clear pipe – easy and fast. High-speed rotator with cable sections for work length up to 100 m. Effective chain knocking and milling up to 740 rpm. Closed drive spindle protects motor and drive against dirt and water.

**High speed rotator with connectable cable sections** High-speed rotator, 740 rpm (REMS Cobra 22) resp. 520 rpm (REMS Cobra 32), with cable sections for effective fast operation, e.g. during chain knocking or milling. Under difficult conditions also, e.g. roots and hard incrustations. Cable sections to be connected as needed up to 70 m (REMS Cobra 22) resp. 100 m (REMS Cobra 32) work length. No unnecessary rotating of long pipe and drain cleaning cables.

### Design

Robust, practical, splash-proof. Maintenance-free. Small in size. Favourable weight, drive unit REMS Cobra 22 only 19 kg, drive unit REMS Cobra 32 only 24 kg. Machine frame made of distortion-free cast aluminium with protective covers in shock-proof plastic material. Chucking system which is located outside the machine housing with straight through undivided drive spindle for the pipe and drain cleaning cable. This enables a complete seal of the machine interior against dirt and water. Connecting cable with integrated personal protection switch (PRCD). Guide hose prevents excess rotation of pipe and drain cleaning cables and pollution of the environment. Legs with rubber caps guarantee a safe, floor-protecting stand.

### High-performance pipe and drain cleaning cables

Specially hardened. Highly flexible for effortless feed-forward in tight pipe bends. Rapid action coupling for fast extension and shortening. T-groove coupling with safety lock through spring-loaded thrust pin. Manual feed-forward for sensitive operation. Standard pipe and drain cleaning cable for universal pipe and drain cleaning jobs, highly flexible, specially suited for tight or several consecutive pipe bends. Pipe and drain cleaning cable S with thicker special spring steel for very difficult to remove obstructions, e.g. root cutting. Drain cleaning cables with weather-proof and temperature resistant plastic core prevents drain cleaning cable from dirt and generation of long fibres in the cable windings. Drive through REMS Cobra 22, REMS Cobra 32 or drive machines of other makes.

### Clamping jaws for cable drive

Clamping jaws in high-grade hardened steel, resistant to wear and precise fit. Instant and exact clamping and opening of pipe and drain cleaning cables allow optimum control, power transmission and operating safety. REMS Cobra 22: Choice of pipe and drain cleaning cables Ø 16 mm and 22 mm, without changing the clamping jaws. Pipe and drain cleaning cable Ø 8 mm with adapter drum 22/8 and integrated clamping jaws, as accessory. REMS Cobra 32: Choice of drain cleaning cables Ø 22 and 32 mm, without changing the clamping jaws. Drain cleaning cables Ø 16 mm with clamping jaws 16, as accessory. Pipe and drain cleaning cable Ø 8 mm with adapter drum 32/8 and integrated clamping jaws, as accessory.

### Drive

Powerful, quiet running capacitor motor with high torque, 750 W (REMS Cobra 22), 1050 W (REMS Cobra 32), right and left-hand rotation. Full transmission of motor power by a slipping-proof maintenance-free toothed belt drive. Straight through closed drive spindle. Permanently lubricated, maintenance-free roller bearings. Fast and secure run and stop of pipe and drain cleaning cable through strong, centrally located pressing lever provides central power input. Lever doubles as a carrying device without awkward locking.

### Pipe and drain cleaning tools

Large variety of pipe and drain cleaning tools (page 206–207), also fit into pipe and drain cleaning machines of other makes.





German Quality Product



Straight through closed drive spindle protects motor and drive against dirt and water.

### Supply format

**REMS Cobra 22 Set.** Electric pipe and drain cleaning machine for pipes  $\emptyset$  20–150 mm. Drive unit with maintenance-free belt drive, capacitor motor 230 V, 50 Hz, 750 W, right and left-hand rotation, guide hose. Personal protection switch (PRCD). Choice of cable and tool set 16 or/and 22. In a carton.

Description	Ausführung	ArtNo.	
Set 16	5 cable sections 16 × 2.3 m in cable carrier, straight auger 16, bulbous auger 16, toothed blade borer 16/25, cable joint separator, 1 pair of guide gloves, steel case for tool set	172010	
Set 22	5 cable sections 22 × 4.5 m in cable carrier, straight auger 22, retrieving auger 22, funnel auger 22, toothed cross-blade borer 22/35, cable joint separator 22/32, 1 pair of guide gloves, steel case for tool set	172011	
Set 16 + 22	5 cable sections 16 × 2.3 m in cable carrier, straight auger 16, bulbous auger 16, toothed blade borer 16/25, cable joint separator, 5 cable sections 22 × 4.5 m in cable carrier, straight auger 22, retrieving auger 22, funnel auger 22, toothed cross-blade borer 22/35, cable joint separator 22/32, 2 pairs of guide gloves, steel case for each tool set	172012	



### Supply format

**REMS Cobra 32 Set.** Electric pipe and drain cleaning machine for pipes  $\emptyset$  20–250 mm ( $\frac{1}{2}$ –10"). Drive unit with maintenance-free belt drive, capacitor motor 230 V, 50 Hz, 1050 W, right and left-hand rotation, guide hose. Personal protection switch (PRCD). Choice of cable and tool set 32 or cable and tool sets 22 and 32 or 16 and 22. In a carton.

Description	6 and 22. In a carton. Ausführung	ArtNo.	
Set 32	4 cable sections 32 × 4.5 m in cable carrier, straight auger 32, retrieving auger 32, funnel auger 32, toothed cross-blade borer 32/45, cable joint separator 22/32, 1 pair of guide gloves, case for tool set	174010	REMS
Set 22 + 32	5 cable sections 22 x 4.5 m in cable carrier, straight auger 22, retrieving auger 22, funnel auger 22, toothed- cross-blade borer 22/35, cable joint- separator 22/32, 4 cable sections 32 x 4.5 m in cable carrier, straightauger 32, retrieving auger 32, funnelauger 32, toothed cross-blade borer 32/45, cable joint separator 22/32,2 pairs of guide gloves, steel case/ case for each tool set	174011	
Set 16 + 22	5 cable sections 16 x 2.3 m in cable carrier, 2 clamping jaws 16, straight auger 16, bulbous auger 16, toothed blade borer 16/25, cable joint sepa- rator 16, 5 cable sections 22 x 4.5 m in cable carrier, straight auger 22, retrieving auger 22, funnel auger 22, toothed cross-blade borer 22/35, cable joint separator 22/32, 2 pairs of guide gloves,steel case for each tool set	174012	چ <sup>ر</sup> ب



Description	ArtNo.
REMS Cobra 22 drive unit	
with guide hose	172000
REMS Cobra 32 drive unit	
with guide hose	174000
Pipe and drain cleaning tools see page 206-207.	



Accessories for REMS Cobra 22, REMS Cobra 32 and other makes

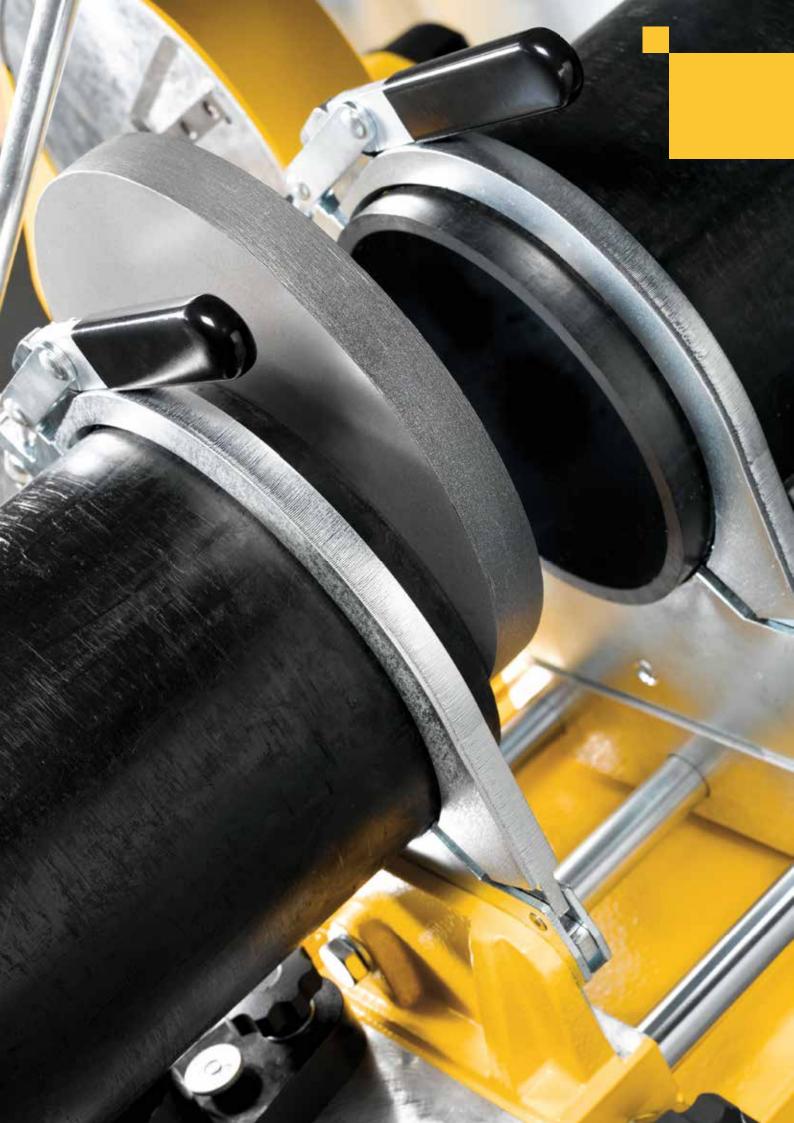
Description	Size	ArtNo.	
Cable and tool set 16 consisting of 5 cable sections 16 × 2.3 m in	cable		
carrier, straight auger 16, bulbous auger 16			
toothed blade borer 16/25, cable joint separ		172050	
1 pair of guide gloves, steel case for tool se	L	172050	
Cable and tool set 22			
consisting of 5 cable sections $22 \times 4.5$ m in			
carrier, straight auger 22, retrieving auger 2 funnel auger 22, toothed cross-blade borer			
cable joint separator, 1 pair of guide gloves,			
steel case for tool set		172051	
Cable and tool set 32			
consisting of 4 cable sections $32 \times 4.5$ m in			
carrier, straight auger 32, retrieving auger 3 funnel auger 32, toothed cross-blade borer			
cable joint separator 22/32, 1 pair of guide g			
case for tool set		174050	
Adapter drum REMS Cobra 22/8			
with cable $\emptyset$ 8 mm × 7.5 m long, with bulbo	us head	170011	
Adapter drum REMS Cobra 32/8 with cable Ø 8 mm × 7.5 m long, with bulboo	us head	170012	
		110012	
Clamping jaws 16 (pack of 2)			
for REMS Cobra 32 for clamping drain cleaning cables Ø 16 mm		174101	
Pipe and drain cleaning cable			
for pipe-Ø 10–50 (75) mm for pipe-Ø 25–125 mm	8 × 7.5 m 16 × 2.3 m	170200 171200	
for pipe-Ø 50–150 mm	22 × 4.5 m	172200	
for pipe-Ø 50-250 mm	32 × 4.5 m	174200	
Pipe and drain cleaning cable			
(5 pieces) in cable carrier			
for pipe-Ø 25-125 mm	16 × 2.3 m	171201	
Pipe and drain cleaning cable			
(5 pieces) in cable carrier			
for pipe-Ø 50-150 mm	22 × 4.5 m	172201	
Pipe and drain cleaning cable			
(4 pieces) in cable carrier			
for pipe-Ø 50-250 mm	32 × 4.5 m	174201	
Pipe and drain cleaning cable S			
With thick special spring steel			
for high stability, e.g. during root cutting, milling, chain knocking			
for pipe-Ø 25–125 mm	16 × 2 m	171205	
for pipe-Ø 50–150 mm for pipe-Ø 50–250 mm	22 × 4 m 32 × 4 m	172205 174205	
ער אישעוע זאי 200 אישעוע זאי	JZ ^ 4 III	11 4200	
Pipe and drain cleaning cable with core			
prevents clogging of pipe and drain cleaning cable with dirt			
for pipe-Ø 25–125 mm	16 × 2.3 m	171210	
for pipe-Ø 50-150 mm	22 × 4.5 m	172210	
for pipe-Ø 50-250 mm	32 × 4.5 m	174210	
Pipe and drain cleaning cable with core			
(5 pieces) in cable carrier	00 v 4 F	170000	
for pipe-Ø 50–150 mm	22 × 4.5 m	172203	
Pipe and drain cleaning cable with core			
(4 pieces) in cable carrier	20 1 4 5 1	174000	
for pipe-Ø 50-250 mm	32 × 4.5 m	174203	
Cable reduction 22/16			
for connecting individual	22/46	170454	
cables of different sizes	22/16	172154	
Cable reduction 32/22			
for connecting individual	22/22	474454	
cables of different sizes	32/22	174154	
Cable carrier (empty)	16	171150	
· · · · ·	22	172150	
	32	174150	
Cable joint separator	16	171151	
for releasing the safety lock	22/32	172151	



Description	Size	ArtNo.	
Straight auger for exploring the obstruction to withdraw a sample. Clearing of solid blockages caused by e.g. textiles, paper, kitchen waste	16 22 32	171250 172250 174250	
Bulbous auger for minor obstructions caused by textiles and papers. Flexible, facilitates advancement in tight bends.	16 22 32	171265 172265 174265	
<b>Funnel auger</b> for textile and paper obstructions in particular. Especially useful for cleaning larger diameter pipes. Also be used as a recovery tool for cables left in the pipe.	16 22 32	171270 172270 174270	
Retrieving auger with extended, specially angled grappling arms. Used to recover cables left in the pipe. Not suitable for boring operations.	16 22 32	171275 172275 174275	
Serrated blade borer for boring out greasy or heavily silted pipes, e.g. drains of washing machines, dishwashers. Riveted to the connector (not soldered or welded), so as to prevent any deformation of the hardened spring steel blades.	16/25 22/35 22/45 32/55	171280 172280 172281 174282	
Serrated cross-blade borer Universal use for obstructions of all kinds, including incrustations, e.g. limescale deposites on the inside of the pipe. Riveted to the connector (not soldered or welded), so as to prevent any defor- mation of the hardened spring steel blades. Operation with pipe and drain cleaning cable S recommended.	16/25 16/35 22/35 22/45 22/65 32/45 32/65 32/90 32/115	171290 171291 172290 172291 172293 174291 174293 174295 174296	
Forked cutter to remove moderate to severe silting or persistent grease contamination. Made of hardened spring steel.	16	171305	
<b>Cross-forked cutter</b> to remove moderate to severe silting or persistent grease contamination. Made of hardened spring steel. Operation with pipe and drain cleaning cable S recommended.	16	171306	
Serrated forked cutter Versatile use, e.g. for removal of slurries and for mincing (crushing) of root infested pipe. Made of hardened spring steel.	22/65 32/65 32/90	172305 174305 174306	
Root cutter specially designed for root infested pipe. Hardened, replacable ring-type saw, cutting to front and rear. Operation with pipe and drain cleaning cable S recommended.	22/65 32/65 32/90	172310 174310 174311	
Chain knocker, smooth rings for final pipe and drain cleaning for removal of grease deposites and incrustations, e.g. limescale deposites on the inside of the pipe. For sensitive pipes, e.g. plastic.	16 22 32	171340 172340 174340	
Chain knocker, spiked links for final pipe and drain cleaning for removal of grease deposites and incrustations, e.g. limescale deposites on the inside of the pipe. For cast and concrete pipes.	16 22 32	171341 172341 174341	
Guide gloves, pair for secure gripping and guiding of pipe and drain cleaning cables		172610	
Riveted guide glove, left Riveted guide glove, right for secure gripping and guiding of pipe and drain cleaning cables. Fully leather, inner surface riveted.		172611 172612	

Accessories for REMS Cobra 22, REMS Cobra 32 and other makes





## **Plastic Pipe Welding**

	Electric sleeve welding unit	210
	Sleeve welding units	211
Riters	Butt welding machines	212
	Butt welding units	216

## **REMS EMSG 160**

Powerful, handy unit for welding plastic drain pipes with electric sleeves in PE.

Plastic pipes and

electric sleeves in PE Ø 40–160 mm

For Geberit, Akatherm-Euro, Coes, Valsir, Waviduo, Vulcathene-Euro

### REMS EMSG 160 – automatic welding. Electronic control. Acoustic and visual monitoring of welding process.

Smallest sizes. Super-handy, light, only 0.7 kg. Can be used anywhere. Electronic control with micro controller for automatic adjustment of welding current (welding temperature) and welding time according to sleeve size. Automatic compensation of welding time in accordance with the ambient temperature.

Acoustic and visual monitoring of welding process.

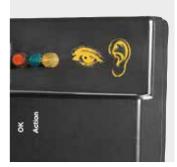
Wide work radius through extra-long cables.

Sturdy, shock-proof plastic casing with carrying strap. Splash-proof.





German Quality Product





### Supply format

**REMS EMSG 160.** Electric sleeve welding unit 230 V, 50 Hz, 1150 W, for welding plastic drain pipes with electric sleeves in PE made by Akatherm-Euro, Coes, Geberit, Valsir, Waviduo, Vulcathene-Euro, Ø 40–160 mm. Electronic control, with acoustic and visual monitoring of welding process. In sturdy, shock-proof plastic casing. Welding leads 4.40 m. In a carton.

Art.-No. 261001

Description	ArtNo.	
Case	151615	



## **REMS MSG**

Powerful electric tools for efficient sleeve welding. Can be used anywhere, free-hand or on the work bench.

Plastic pipes and fittings in PB, PE, PP, PVDF

Ø 16–125 mm

## **REMS MSG – heating element according to DVS.** High quality PTFE coating of heating spigots/sockets.

### Design

Handy, light, safe. Free-hand or work bench assembly. Supplied in standard with supporting stand and bench support for mounting the unit in a horizontal or vertical position (bench support not supplied for MSG 25).

#### Heating element according to DVS

Plate-shaped, plane parallel heating element according to DVS. Electric heater embedded in corrosion-resistant cast aluminium for indirect heat transfer. Heating spigots and heating sockets according to DVS. High-quality, long-lasting PTFE coating prevents adherence of plastic remnants as well as oxidizing, and enables easy cleaning. Ideal temperature distribution and constant temperature at the complete working area. Fastening screws in stainless steel.

### Temperature and temperature control

#### Choice of

adjustable temperature 180-290°C, preadjusted to 260°C for PP pipes, with electronic temperature control with tight tolerance (EE) or

fixed temperature to 260°C for PP pipes, with mechanical temperature control with a tolerance of +/- 10°C (FM)

The electronic and manual temperature control automatically controls the preadjusted temperature within the permitted range according to DVS. Temperature control lamp and power control lamp.

### Supply format

**REMS MSG.** Sleeve welding unit for plastic pipes and fittings in PB, PE, PP, PVDF. Heating element 230 V, 50–60 Hz, without PTFE-coated heating spigots and heating sockets. Choice of adjustable temperature 180-290°C, preadjusted to 260°C for PP pipes, with electronic temperature control (EE) or fixed temperature to 260°C for PP pipes, with mechanical temperature control (FM). Support stand. Bench support for mounting the welding unit in a horizontal or vertical position (not for MSG 25). Hexagon key for assembly and dismantling of heating spigots and heating sockets. In a carton

Description	Pipes Ø mm	Power W	ArtNo.
25 EE	16-25	500	256020
63 FM	16-63	800	256211
63 EE	16-63	800	256220
125 EE	16-125	1400	256320

Other voltages available.

### Supply format

REMS MSG 63 FM Set. As REMS MSG 63 FM, but with PTFE-coated heating spigots, heating sockets for Ø 20, 25, 32 mm. Fastening screws in stainless steel. In steel case.

Description	Pipes Ø mm	Power W	ArtNo.	
	16-63	800	256231	

Other voltages available.

### Supply format

REMS MSG 63 EE Set. As REMS MSG 63 EE, but with PTFE-coated heating spigots, heating sockets for Ø 20, 25, 32 mm. Fastening screws in stainless steel. In steel case.

16-63 800 256240	Description	Pipes Ø mm	Power W	ArtNo.	
		16-63	800	256240	

Other voltages available.

Description	Pipes Ø mm	ArtNo.	
Heating spigot, heating	16	256400	
socket, fastening screw	17	256410	
in stainless steel	18	256420	
	19	256430	
	20	256440	
	25	256450	
	32	256460	
	40	256470	
	50	256480	
	63	256490	
	75	256500	
	90	256510	
	110	256520	
	125	256530	
Steel case			
REMS MSG 25		256042	
REMS MSG 63		256242	
REMS MSG 125		256342	











## **REMS SSM 160RS**

Handy, easy-to-carry compact machine. Complete only 48 kg. Ideal for sanitary installations and installation of drain pipes, chimney reconstruction with PVDF pipes. For job site and workshop.

Plastic pipes and fittingsin PB, PE, PP, PVDFPE  $\emptyset$  40 - 90 mmSDR  $\ge$  6PE  $\emptyset$  40 - 110 mmSDR  $\ge$  9PE  $\emptyset$  40 - 125 mmSDR  $\ge$  11PE  $\emptyset$  40 - 140 mmSDR  $\ge$  21PE  $\emptyset$  40 - 160 mm

Ø 40-160 mm

### REMS SSM 160RS – ideal for the pipe fitter. Light and compact. Heating element according to DVS. Electronic temperature control. High-quality PTFE coating. Powerful facing cutter. Closed facing cutter housing.

### Design

Light and compact. Low weight, complete only 48 kg. Can be easily carried by one person.

- Base frame in cast aluminium
- Free suspension of butt welding unit REMS SSG 180 for exact alignment of the faces to be welded
- Electric facing cutter unit for plane-parallel machining of pipe ends
- Smooth sliding, roller-bearing mounting of butt welding unit and electric facing cutter unit
- Quick clamping device, also suitable for angular branches.
- Pressing device, clear scale for easy reading of jointing pressure, clamping handle for pressure holding
- Can be used on the workbench or on the tubular stand provided as standard (= sub-frame = transport device).

### Heating element according to DVS

Plate-shaped, plane parallel heating element according to DVS. Electric heater embedded in corrosion-resistant cast aluminium for indirect heat transfer. High-quality, long-lasting PTFE coating prevents adherence of plastic remnants as well as oxidizing, and enables easy cleaning. Ideal temperature distribution and constant temperature at the complete working area. Protective cover for heating element.

### Electronic temperature control

Adjustable temperature 180–290°C, preset for PE pipes. The electronic temperature control automatically controls the preset temperature within the permitted range according to DVS. Temperature control lamp and power control lamp.

### Facing cutter unit

Electric facing cutter unit with special, high torque universal motor, 500 W, for plane-parallel machining of one or both pipe ends according to DVS. Fast positioning of facing cutter with proven safety switch. Closed facing cutter housing. Specially hardened and specially ground planing blades guarantee easy, vibration-free planing.

### Quick clamping device, also for angular branches

Sturdy quick clamping device made of nickel-plated steel, consisting of 2 vices with 2 clamping inserts each for pipes of Ø 40, 50, 56, 63, 75, 90, 110, 125, 135, 140, 160 mm. Also suitable for angular branches.

#### **Pipe supports**

Multiple adjustment, easy positioning of pipe supports for pipes Ø 160 mm for supporting and easy axial alignment of pipes and fittings. 2 pipe support inserts each for pipes Ø 40, 50, 56, 63, 75, 90, 110, 125, 135, 140 mm.

### Supply format

**REMS SSM 160RS.** Butt welding machine for plastic pipes and fittings in PB, PE, PP, PVDF, PE Ø 40–90 mm SDR ≥ 6, PE Ø 40–110 mm SDR ≥ 9, PE Ø 40–125 mm SDR ≥ 11, PE Ø 40–140 mm SDR ≥ 17, PE Ø 40–160 mm SDR ≥ 21. Butt welding unit with PTFE-coated heating element 230 V, 50–60 Hz, 1200 W. Adjustable temperature 180–290°C, preset for PE pipes. Electronic temperature control. Protective cover for heating element. Electric planing device 230 V,50-60 Hz, 500 W. Pressing device. Quick clamping device, also for angular branches, consisting of 2 vices with 2 clamping inserts each Ø 40, 50, 56, 63, 75, 90, 110, 125, 135, 140, 160 mm. 2 pipe rests Ø 160 mm with pipe rest inserts Ø 40, 50, 56, 63, 75, 90, 110, 125, 135, 140 mm. Work key. Steel case for pipe support inserts and clamp inserts. Tubular stand = base frame = carrying device.

ArtNo.	
252026	

#### Accessories

DescriptionArt.-No.Planing blade (piece)252103





## **REMS SSM 160KS**

Powerful, proven, easy-to-transport compact machine. Ideal for sanitary installation, drain pipe installation, chimney reconstruction with PVDF pipes. For job site and workshop.

 Plastic pipes and fittings

 in PB, PE, PP, PVDF

 PE Ø 40-90 mm
 SDR ≥ 6

 PE Ø 40-110 mm
 SDR ≥ 11

 PE Ø 40-140 mm
 SDR ≥ 17

 PE Ø 40-160 mm
 SDR ≥ 21

Ø 40-160 mm

## REMS SSM 160KS – ideal for the pipe fitter. Heating element according to DVS. Electronic temperature control. High-quality PTFE coating. Powerful facing cutter. Closed facing cutter housing.

### Design

Compact, robust, job site-proven. Machine on sheet metal base weighs 90 kg. Easy to carry.

- Base frame in aluminium cast
- Free suspension of butt welding unit REMS SSG 180 for exact alignment of the faces to be welded
- Electric facing cutter unit for plane-parallel machining of pipe ends
- Smooth sliding, roller-bearing mounting of butt welding unit and electric facing cutter unit
- Quick clamping device, also suitable for angular branches.
- Pressing device, clear scale for easy reading of jointing pressure, clamping handle for pressure holding
- Machine on sheet steel base with built-in drawer for clamping and pipe rest inserts
- Suitable for use on a work bench or on the standard supplied sheet metal cabinet (= carrying case).

### Heating element according to DVS

Plate-shaped, plane-parallel heating element according to DVS. Electric heater embedded in corrosion-resistant cast aluminium for indirect heat transfer. High-quality, long-lasting PTFE coating prevents adherence of plastic remnants as well as oxidizing, and enables easy cleaning. Ideal temperature distribution and constant temperature at the complete working area. Protective cover for heating element.

### Electronic temperature control

Adjustable temperature 180–290°C, preset for PE pipes. The electronic temperature control automatically controls the preset temperature within the permitted range according to DVS. Temperature control lamp and power control lamp.

### Facing cutter unit

Electric facing cutter unit with special, high torque universal motor, 500 W, for plane-parallel machining of one or both pipe ends according to DVS. Fast positioning of facing cutter with proven safety switch. Closed facing cutter housing. Specially hardened and specially ground planing blades guarantee easy, vibration-free planing.

#### Quick clamping device, also for angular branches Sturdy quick clamping device made of nickel-plated steel, consisting of 2 vices

Sturdy quick clamping device made of nickel-plated steel, consisting of 2 vices with 2 clamping inserts each for pipes of Ø 40, 50, 56, 63, 75, 90, 110, 125, 135, 140, 160 mm. Also suitable for angular branches.

### Pipe supports

Multiple adjustment, easy positioning of pipe supports for pipes of Ø 160 mm for supporting and easy axial alignment of pipes and fittings. 2 pipe support inserts each for pipes Ø 40, 50, 56, 63, 75, 90, 110, 125, 135, 140 mm.

### Supply format

**REMS SSM 160KS.** Butt welding machine for plastic pipes and fittings in PB, PE, PP, PVDF, PE Ø 40–90 mm SDR  $\geq$  6, PE Ø 40–110 mm SDR  $\geq$  9, PE Ø 40–125 mm SDR  $\geq$  11, PE Ø 40–140 mm SDR  $\geq$  17, PE Ø 40–160 mm SDR  $\geq$  21. Butt welding unit with PTFE-coated heating element 230 V 50–60 Hz, 1200 W. Adjustable temperature 180–290°C, preset for PE pipes. Electronic temperature control. Protective cover for heating element. Electric planing device 230 V,50-60 Hz, 500 W. Pressing device. Quick clamping device, also for angular branches, consisting of 2 vices with 2 clamping inserts each Ø 40, 50, 56, 63, 75, 90, 110, 125, 135, 140, 160 mm. 2 pipe rests Ø 160 mm with pipe rest inserts Ø 40, 50, 56, 63, 75, 90, 110, 125, 135, 140 mm. Sheet steel base with built-in drawer. Work key. Closed sheet metal cabinet = carrying case.

	ArtNo.
	252046

Description	ArtNo.
Planing blade (piece)	252103





## **REMS SSM 250KS**

Powerful, proven, easy-to-transport compact machine. Ideal for sanitary installation, drain pipe installation, chimney reconstruction with PVDF pipes. For job site and workshop.

Plastic pipes and fittings in PB, PE, PP, PVDF PE Ø 75–140 mm SDR ≥ 6 PE Ø 75-160 mm SDR ≥ 9 PE Ø 75-180 mm SDR ≥ 11 PE Ø 75-200 mm PE Ø 75-225 mm SDR ≥ 13.6 SDR ≥ 17.6

Ø 75-250 mm

PE Ø 75-250 mm SDR ≥ 22

### REMS SSM 250KS – compact and robust.

### Design

Compact, robust, job site-proven. Easy to carry. Machine on sheet metal base weighs 109 kg.

- Base frame in aluminium cast
- Free suspension of butt welding unit for exact alignment of the faces to be welded
- Electric facing cutter unit for plane-parallel machining of pipe ends
- Smooth sliding, roller-bearing mounting of butt welding unit and electric facing cutter unit
- Quick clamping device, also suitable for angular branches.
- Pressing device, clear scale for easy reading of jointing pressure, clamping handle for pressure holding
- Machine on sheet steel base with built-in drawer for clamping and pipe rest inserts.
- Suitable for use on a work bench or on the standard supplied sheet metal cabinet (= carrying case).

### Heating element according to DVS

Plate-shaped, plane-parallel heating element according to DVS. Electric heater embedded in corrosion-resistant cast aluminium for indirect heat transfer. High-quality, long-lasting PTFE coating prevents adherence of plastic remnants as well as oxidizing, and enables easy cleaning. Ideal temperature distribution and constant temperature at the complete working area

### Electronic temperature control

Adjustable temperature 180-290°C, preset for PE pipes. The electronic temperature control automatically controls the preset temperature within the permitted range according to DVS. Temperature control lamp and power control lamp.

### Facing cutter unit

Electric facing cutter unit with special, high torque universal motor, 500 W, for plane-parallel machining of one or both pipe ends according to DVS. Fast positioning of facing cutter with proven safety switch. Closed facing cutter housing. Specially hardened and specially ground planing blades guarantee easy, vibration-free planing.

### Quick clamping device for angular branches

Sturdy quick clamping device made of nickel-plated steel which grips the pipe all round, consisting of 2 clamps Ø 250 mm with jaws Ø 250 mm, with 2 clamping jaws and 2 clamping inserts each for pipes of Ø 75, 90, 110, 125, 160, 200 mm. Also suitable for angular branches. Clamping jaws and clamping inserts available for pipes of Ø 140, 180, 225 mm.

### **Pipe supports**

Multiple adjustment, easy positioning of pipe supports for supporting and easy axial alignment of pipes and fittings. 2 pipe support inserts each for pipes Ø 75, 90, 110, 125, 140, 160, 180, 200, 225, 250 mm. Pipe rest inserts available for pipes of Ø 140, 180, 225 mm.

### Supply format

**REMS SSM 250K.** Butt welding machine for plastic pipes and fittings in PB, PE, PP, PVDF. PE Ø 75−140 mm SDR ≥ 6, PE Ø 75−160 mm SDR ≥ 9, PE Ø 75–180 mm SDR ≥ 11, PE Ø 75–200 mm SDR ≥ 13,6, PE Ø 75–225 mm SDR ≥ 17,6, PE Ø 75-250 mm SDR ≥ 22. Butt welding unit with PTFE-coated heating element 230 V, 50-60 Hz, 1300 W. Adjustable temperature 180-290°C, preset for PE pipes. Electronic temperature control. Electric facing cutter unit 230 V, 50–60 Hz, 500 W. Quick clamping device, also for angular branches, consisting of 2 clamps Ø 250 mm with jaws Ø 250 mm, with 2 clamping jaws and 2 clamping inserts each for pipes of Ø 75, 90, 110, 125, 160, 200 mm. 2 pipe rests with pipe rest inserts Ø 75, 90, 110, 125, 160, 200, 250 mm. Sheet steel base with built-in drawer. Work key. Closed sheet metal cabinet = carrying case

ArtNo.	
254025	

Description	ArtNo.	
Planing blade (piece)	254103	





## REMS SSM 315RF

Compact, easy-to-transport high-performance machine for sanitary installation, drain pipe installation, chimney reconstruction with PVDF pipes. For job site and workshop.

Plastic pipes and fittings

Ø 90-315 mm

in PB, PE, PP, PVDF PE Ø 90-180 mm SDR ≥ 6 PE Ø 90-200 mm SDR ≥ 7.4  $SDR \ge 9$ PE Ø 90-225 mm PE Ø 90-250 mm SDR ≥ 13.6 PE Ø 90-280 mm SDR ≥ 17 PE Ø 90-315 mm SDR ≥ 21

### REMS SSM 315RF - convenient for job site and workshop.

#### Design

- Compact, robust, job site-proven. Weight including tubular stand on wheels 154 kg. - Base frame in aluminium cast
- Free suspension of butt welding unit for exact alignment of the faces
- to be welded
- Electric facing cutter unit for plane-parallel machining of pipe ends \_ Smooth sliding, roller-bearing mounting of butt welding unit
- and electric facing cutter unit
- Quick clamping device Pressing device, clear scale for easy reading of jointing pressure, clamping handle for pressure holding
- Standard supply with tubular wheel stand for secure standing and easy transport.

### Heating element according to DVS

Plate-shaped, plane-parallel heating element according to DVS. Electric heater embedded in corrosion-resistant cast aluminium for indirect heat transfer. High-quality, long-lasting PTFE coating prevents adherence of plastic remnants as well as oxidizing, and enables easy cleaning. Ideal temperature distribution and constant temperature at the complete working area.

### Electronic temperature control

Adjustable temperature 180–290°C, preset for PE pipes. The electronic temperature control automatically controls the preset temperature within the permitted range according to DVS. Temperature control lamp and power control lamp.

#### Facing cutter unit

Electric facing cutter unit with special, high torque universal motor, 500 W, for plane-parallel machining of one or both pipe ends according to DVS. Fast positioning of facing cutter with proven safety switch. Closed facing cutter housing. Specially hardened and specially ground planing blades guarantee easy, vibration-free planing

#### Quick clamping device

Sturdy quick clamping devices made of nickel-plated steel which grip the pipe all round, for pipes of Ø 315 mm. 4 clamping inserts each for pipes of Ø 90, 110, 125, 160, 200, 250 mm. Clamping inserts available for pipes of Ø 140, 180, 225, 280 mm.

### **Pipe supports**

Multiple adjustment, easy positioning of pipe supports for pipes Ø 315 mm for supporting and easy axial alignment of pipes and fittings. 2 pipe rest inserts each for pipes of Ø 90, 110, 125, 160, 200, 250 mm. Pipe rest inserts available for pipes of Ø 140, 180, 225, 280 mm.

### Supply format

**REMS SSM 315RF.** Butt welding machine for plastic pipes and fittings in PB, PE, PP, PVDF. PE Ø 90–180 mm SDR  $\geq$  6, PE Ø 90–200 mm SDR  $\geq$  7,4, PE Ø 90–225 mm SDR  $\geq$  9, PE Ø 90–250 mm SDR  $\geq$  13,6, PE Ø 90–280 mm SDR ≥ 17, PE Ø 90-315 mm SDR ≥ 21. Butt welding unit with PTFE-coated heating element 230 V, 50-60 Hz, 3000 W. Adjustable temperature 180-290°C preset for PE pipes. Electronic temperature control. Electric facing cutter unit 230 V, 50–60 Hz, 500 W. Pressing device. 2 quick clamping devices Ø 315 mm with 2 clamping inserts each for pipes of Ø 90, 110, 125, 160, 200, 250 mm. 2 pipe supports Ø 315 mm with pipe support inserts Ø 90, 110, 125, 160, 200, 250 mm. Ring spanner. Boxes for clamping and pipe rest inserts. Tubular stand on wheels.

ArtNo.	
255020	

Description	ArtNo.		
Planing blade (piece)	255103		







## **REMS SSG**

### Powerful electric tools for efficient butt welding.

Can be used anywhere, free-hand or on the work bench.

Plastic pipes and fittings in PB, PE, PP, PVDF

Ø ≤ 280 mm

### REMS SSG – heating element according to DVS. Electronic temperature control. High-quality PTFE coating.

### Design

Handy, light, safe. Free-hand or work bench assembly. Supplied as standard with supporting stand. Bench support available as accessory for mounting the unit in a horizontal or vertical position.

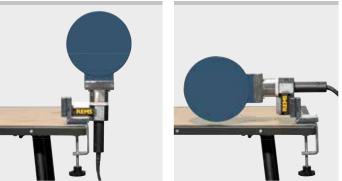
### Heating element according to DVS

Plate-shaped, plane parallel heating element according to DVS. Electric heater embedded in corrosion-resistant cast aluminium for indirect heat transfer. High-quality, long-lasting PTFE coating prevents adherence of plastic remnants as well as oxidizing, and enables easy cleaning. Ideal temperature distribution and constant temperature at the complete working area.

### Electronic temperature control

Adjustable temperature 180–290°C, preset for PE pipes. The electronic temperature control automatically controls the preset temperature within the permitted range according to DVS. Temperature control lamp and power control lamp.













**REMS MSG.** Butt welding unit for plastic pipes and fittings in PB, PE, PP, PVDF. PTFE-coated heating element 230 V, 50–60 Hz. Adjustable temperature 180–290°C, preset for PE pipes. Electronic temperature control. Support stand. In a carton.

	in a cartoin					
	Description	Heating element Ø mm	Pipes Ø ≤ mm	Power W	ArtNo.	
	110/45° EE	125	110	500	250020	
	125 EE	145	125	700	250120	
	180 EE	200	180	1200	250220	
	280 EE	300	280	1300	250320	

Description	ArtNo.	
Bench support for mounting the unit in a horizontal or vertical position REMS SSG 110/45°, 125, 180 REMS SSG 280	250041 250341	
Steel case REMS SSG 110/45° REMS SSG 125 REMS SSG 180 REMS SSG 280	250042 250142 250242 250342	
Protection cover for heating element REMS SSG 110, 110/45°, 125 REMS SSG 180 REMS SSG 280	250143 250243 250343	



Diamond core drilling Diamond chasing and cutting machine Wet and dry suction

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$\sqrt{a}$	Dry and wet extractor	236

# **REMS Picus S1**

Compact, handy power tool for core drilling,

Electric diamond core drilling machine

e.g. in concrete, steel-reinforced concrete, all kinds of masonry, natural stone, asphalt, all kinds of screed. Dry or wet drilling, hand held or with drill stand. For trade and industry.	
Concrete, steel-reinforced concrete	up to Ø 102 (132) mm
Masonry and others	up to Ø 162 mm
REMS Universal diamond core drilling crowns,	

also suitable for drive machines of other makes, see page 230–231.

# REMS Picus S1 – Core drilling instead of chiselling. Easy, fast, vibration-free.

# 1 system – 4 applications. Ideal for plumbers.

#### Universal use

Universal drive machine for dry or wet drilling, hand held or with drill stand. Can be used anywhere, in narrow angles, flush with the wall. For many materials. For pipeline and cable ducting, ventilation channels, test core drilling.

#### System advantage

Only **one** type of universal diamond core drilling crowns for all REMS Picus drive machines and other suitable makes of drive machines. Therefore simple, low cost storage. No confusion possible.

#### Design

Compact, handy drive machine for vibration-free core drilling, with drilling crown connecting thread UNC 11⁄4 male, BSPP 1⁄2 female. Robust, suitable for the building site. Extra light, only 5.2 kg. Simple, fast work, e.g. 200 mm in steel-reinforced concrete Ø 62 mm in only 3 min. Practical spade handle and stabiliser for hand held drilling. Throat Ø 60 mm for holding the drive machine in the drill stand. Water supply for wet drilling, with adjustable shut-off valve and quick-coupling with water stop and hose connection 1⁄2". Suction rotor for sucking off dust for dry drilling with connection for conventional vacuum cleaner, as accessory.

#### Drive

Robust, powerful 1850 W universal motor. Load speed drilling spindle 580 rpm. Stable, maintenance-free gear. Blocking protection by safety slip clutch. Tip switch with lock. Connecting cable with integrated personal protection switch (PRCD).

#### **Multifunction electronics**

Multifunction electronics with start-up current limiting for soft starting for delicate drilling start, automatic idle speed limiting for noise reduction and preservation of the motor, overload and blocking protection for motor and gear.

# Universal diamond core drilling crowns

Universally usable for dry and wet drilling, hand held or with drill stand. Optionally REMS Universal diamond core drilling crowns, inductively soldered, resolderable or REMS Universal diamond core drilling crowns LS, laser welded, high temperature-resistant (page 230–231). Connecting thread UNC 11/4 female. Drilling depth

420 mm. Specially developed, high quality diamond segments with high diamond percentage and special bonding, for excellent drilling performance and very long life. Ideal for universal applications in steel-reinforced concrete and masonry. Adapter for using the REMS Universal diamond core drilling crowns in drive machines of other makes, as accessory. Light loosening ring, for light loosening of the diamond core crown, as accessory.

#### Dust extraction in accordance with EN 60335-2-69

When working with mineral building materials, e.g. concrete, steel-reinforced concrete, masonry and screed, a high degree of mineral dust containing quartz is produced which is harmful to the health. Inhalation of quartz fine dust is harmful to the health. EN 60335-2-69 prescribes the use of at least one safety extractor of dust class M for the extraction of health hazardous dusts with an exposure limit/ work place limit of > 0.1 mg/m<sup>3</sup>). Observe the national regulations.

Suction rotor for dust extraction in dry drilling with connection for REMS Pull and other suitable extractors, as accessory. REMS Pull M, wet and dry dust extractor, certified for extracting health hazardous dusts of dust class M, see page 236.

#### Water extractor unit

Water extractor unit for wet drilling up to Ø 170 mm, consisting of a water collector ring with connection for REMS Pull or other suitable wet extractors, compression ring, rubber washer Ø 200 mm, adaptable to diameter of the drill crown and universal pressure pad for all REMS drill stands, as accessory.

#### **Drill stand**

REMS Simplex 2 or REMS Titan drill stands can be used optionally, see page 228.











**REMS Simplex 2** 

**REMS** Titan



**REMS Picus S1 Basic-Pack** 



REMS Picus S1 Set 62



REMS Picus S1 Set 62 Simplex 2





# Supply format

**REMS Picus S1 Basic-Pack.** Electric diamond core drilling machine for core drilling in concrete, steel-reinforced concrete up to Ø 102 (132) mm, masonry and other materials up to Ø 162 mm. For dry and wet drilling, hand held or with drill stand. Drive machine with drilling crown connecting thread UNC 1¼ male, BSPP ½ female, maintenance-free gear with safety slip clutch, universal motor 230 V, 50–60 Hz, 1850 W. Multifunction electronics with soft starting, idle speed limiting, overload protection, blocking protection. Touch switch with lock. Personal protection switch (PRCD). Load speed drilling spindle 580 rpm. Water supply device with adjustable shut-off valve and quick coupling with water stop and ½" hose connection. Stabiliser. Starting aid BSPP ½ with drill Ø 8 mm, Allen key size 3. Single open-ended wrench size 32. In sturdy steel case.

		ArtNo.	
		180010	

Other voltages on request.

#### Supply format

**REMS Picus S1 Set 62.** REMS Picus S1 Basic-Pack with REMS Universal diamond core drilling crown UDKB Ø 62 mm.

ArtNo.
180020

180031

Other voltages on request.

#### Supply format

 REMS Picus S1 Set 62 Simplex 2. REMS Picus S1 Basic-Pack with REMS

 Universal diamond core drilling crowns UDKB Ø 62 mm a REMS Simplex 2

 drilling stand including tools and fastening kit for masonry and concrete.

 Art.-No.

Other voltages on request.

Description	ArtNo.	
REMS Picus S1 drive unit	180000	
Steel case with inlay	180600	
<b>REMS Universal diamond core drilling crowns,</b> inductively soldered, resolderable, see page 230.		
<b>REMS universal diamond core drilling crowns LS,</b> laser welded, high temperature-resistant, see page 231.		
REMS Pull L / M, dry and wet extractors, see page 236		
Additional accessories see page 228–229.		

# **REMS Picus S3**

Powerful, handy power tool for core drilling,<br/>e.g. in concrete, steel-reinforced concrete,<br/>all kinds of masonry, natural stone, asphalt,<br/>all kinds of screed. Dry or wet drilling, hand held<br/>or with drill stand. For trade and industry.Concrete,<br/>steel-reinforced concreteup to Ø 152 (200) mmMasonry and othersup to Ø 250 mm

REMS Universal diamond core drilling crowns, also suitable for drive machines of other makes, see page 230–231.

# REMS Picus S3 – Core drilling instead of chiselling. Easy, fast, vibration-free.

1 system – 4 applications. Ideal for plumbers.

#### Universal use

Universal drive machine for dry or wet drilling, hand held or with drill stand. Can be used anywhere, in narrow angles, flush with the wall. Extremely versatile and efficient, e.g. drilling in steel-reinforced concrete, masonry and other materials. For pipeline and cable ducting, ventilation channels, test core drilling.

#### System advantage

Only **one** type of universal diamond core drilling crowns for all REMS Picus drive machines and other suitable makes of drive machines. Therefore simple, low cost storage. No confusion possible.

# Design

Compact, handy drive machine for vibration-free core drilling, with drilling crown connecting thread UNC 1¼ male, BSPP ½ female. Robust, suitable for the building site. Only 7.4 kg. Simple, fast work, e.g. 200 mm in steel-reinforced concrete Ø 62 mm in only 3 min. Practical spade handle and stabiliser for hand held drilling. Throat Ø 60 mm for holding the drive machine in the drill stand. Water supply for wet drilling, with adjustable shut-off valve and quick-coupling with water stop and hose connection ½". Suction rotor for sucking off dust for dry drilling with connection for conventional vacuum cleaner, as accessory.

#### Drive

Robust, powerful 2200 W universal motor. Stable, maintenance-free 3-speed gear for optimum selection of load speed according to the drilling diameter. Load speed drilling spindle 530 rpm, 1280 rpm, 1780 rpm. Blocking protection by safety slip clutch. Tip switch with lock. Connecting cable with integrated personal protection switch (PRCD).

#### **Multifunction electronics**

Multifunction electronics with start-up current limiting for soft starting for delicate drilling start, automatic idle speed limiting for noise reduction and preservation of the motor, overload and blocking protection for motor and gear.

#### Universal diamond core drilling crowns

Universally usable for dry and wet drilling, hand held or with drill stand. Optionally REMS Universal diamond core drilling crowns, inductively soldered, resolderable or REMS Universal diamond core drilling crowns LS, laser welded, high temperature-resistant (page 230–231). Connecting thread UNC 11/4 female. Drilling depth

420 mm. Specially developed, high quality diamond segments with high diamond percentage and special bonding, for excellent drilling performance and very long life. Ideal for universal applications in steel-reinforced concrete and masonry. Adapter for using the REMS Universal diamond core drilling crowns in drive machines of other makes, as accessory. Light loosening ring, for light loosening of the diamond core crown, as accessory.

## Dust extraction in accordance with EN 60335-2-69

When working with mineral building materials, e.g. concrete, steel-reinforced concrete, masonry and screed, a high degree of mineral dust containing quartz is produced which is harmful to the health. Inhalation of quartz fine dust is harmful to the health. EN 60335-2-69 prescribes the use of at least one safety extractor of dust class M for the extraction of health hazardous dusts with an exposure limit/ work place limit of > 0.1 mg/m<sup>3</sup>). Observe the national regulations.

Suction rotor for dust extraction in dry drilling with connection for REMS Pull and other suitable extractors, as accessory. REMS Pull M, wet and dry dust extractor, certified for extracting health hazardous dusts of dust class M, see page 236.

## Water extractor unit

Water extractor unit for wet drilling up to Ø 170 mm, consisting of a water collector ring with connection for REMS Pull or other suitable wet extractors, compression ring, rubber washer Ø 200 mm, adaptable to diameter of the drill crown and universal pressure pad for all REMS drill stands, as accessory.

#### Drill stand

REMS Simplex 2 or REMS Titan drill stands can be used optionally, see page 228.











**REMS Simplex 2** 

**REMS** Titan



**REMS Picus S3 Basic-Pack** 



**REMS Picus S3 Set Titan** 



REMS Picus S3 Set 62-82-132 Titan





# Supply format

**REMS Picus S3 Basic-Pack.** Electric diamond core drilling machine for core drilling in concrete, steel-reinforced concrete up to Ø 152 (200) mm, masonry and other materials up to Ø 250 mm. For dry and wet drilling, hand held or with drill stand. Drive machine with drilling crown connecting thread UNC 1½ male, BSPP ½ female, maintenance-free 3-speed gear with safety slip clutch, universal motor 230 V, 50-60 Hz, 2200 W. Multifunction electronics with soft starting, idle speed limiting, overload protection, blocking protection. Touch switch with lock, personal protection switch (PRCD). Load speed drilling spindle 530 rpm, 1280 rpm, 1780 rpm. Water supply with adjustable shut-off valve and quick-coupling with water stop and hose connection ½". Stabiliser. Starting aid BSPP ½, Allen key size 3. Single open-ended wrench size 32. In sturdy steel case.

ArtNo.	
180011	

Other voltages on request.

#### Supply format

**REMS Picus S3 Set Titan.** REMS Picus S3 Basic-Pack with REMS Titan drilling stand including fastening kit for masonry and concrete.

		ArtNo.	
		180029	

Other voltages on request.

#### Supply format

REMS Picus S3 Set 62-82-132 Titan. REMS Picus S3 B	asic-Pack	with
REMS Universal diamond core drilling crowns UDKB Ø 6	2-82-132 r	nm and
REMS Titan drilling stand including fastening kit for maso	nry and co	ncrete.
	ArtNo.	

180028

Other voltages on request.

Description	ArtNo.	
REMS Picus S3 drive unit	180001	
Steel case with inlay	180600	
<b>REMS Universal diamond core drilling crowns,</b> inductively soldered, resolderable, see page 230.		
<b>REMS universal diamond core drilling crowns LS,</b> laser welded, high temperature-resistant, see page 231.		
REMS Pull L / M, dry and wet extractors, see page 236		
Additional accessories see page 228–229.		

# **REMS Picus SR**

Electric diamond core drilling machine with speed regulation

e drilling,
oncrete, all kinds
all kinds of
r or wet drilling,
ade and industry.
up to Ø 162 (200) mm
up to Ø 250 mm

. ....

REMS Universal diamond core drilling crowns, also suitable for drive machines of other makes, see page 230–231.

# REMS Picus SR – Core drilling instead of chiselling. Easy, fast, vibration-free. With speed regulation.

# 1 system – 4 applications. Ideal for plumbers.

#### Universal use

Universal drive machine for dry or wet drilling, hand held or with drill stand. Can be used anywhere, in narrow angles, flush with the wall. Extremely versatile and efficient, e.g. drilling in steel-reinforced concrete, masonry and other materials. For pipeline and cable ducting, ventilation channels, test core drilling.

#### System advantage

Only **one** type of universal diamond core drilling crowns for all REMS Picus drive machines and other suitable makes of drive machines. Therefore simple, low cost storage. No confusion possible.

#### Design

Compact, handy drive machine for vibration-free core drilling, with drilling crown connecting thread UNC 1¼ male, BSPP ½ female. Robust, suitable for the building site. Extra light, only 6.4 kg. Simple, fast work, e.g. 200 mm in steel-reinforced concrete Ø 62 mm in only 3 min. Practical spade handle and stabiliser for hand held drilling. Throat Ø 60 mm for holding the drive machine in the drill stand. Water supply for wet drilling, with adjustable shut-off valve and quick-coupling with water stop and hose connection ½". Suction rotor for sucking off dust for dry drilling with connection for conventional vacuum cleaner, as accessory.

#### Drive

Robust, powerful 2200 W universal motor. Overheating protection by temperature monitoring of the motor's field winding with a PTC resistor (Positive Temperature Coefficient). Stable, maintenance-free, 2-step gear. Blocking protection by safety slip clutch. Tip switch with lock. Connecting cable with integrated personal protection switch (PRCD).

## **Speed-Regulation**

Stepless electronic speed regulation of the drive machine for selecting the speed according to the material. The speed is steplessly adjustable on the dial: 250 rpm to 500 rpm (1<sup>st</sup> gear) or 600 rpm to 1200 rpm (2<sup>nd</sup> gear). The electronic speed control that is being used keeps the selected speed constant, also under load. Advantage: The optimum drilling speed (load speed) selected for the respective material and the drilling crown diameter remains constant for the entire duration of the drilling. For the best drilling performance and maximum life of the drilling crowns.

## **Multifunction electronics**

Multifunction electronics with start-up current limiting for soft starting for delicate drilling start, automatic idle speed limiting for noise reduction and preservation of the motor, overload and blocking protection for motor and gear.

# Universal diamond core drilling crowns

Universally usable for dry and wet drilling, hand held or with drill stand. Optionally REMS Universal diamond core drilling crowns, inductively soldered, resolderable or REMS Universal diamond core drilling crowns LS, laser welded, high temperatureresistant (page 230–231). Connecting thread UNC 11⁄a female. Drilling depth 420 mm. Specially developed, high quality diamond segments with high diamond percentage and special bonding, for excellent drilling performance and very long life. Ideal for universal applications in steel-reinforced concrete and masonry. Adapter for using the REMS Universal diamond core drilling crowns in drive machines of other makes, as accessory. Light loosening ring, for light loosening of the diamond core crown, as accessory.

# **Drill stand**

REMS Simplex 2 or REMS Titan drill stands can be used optionally, see page 228.

# Dust extraction in accordance with EN 60335-2-69

When working with mineral building materials, e.g. concrete, steel-reinforced concrete, masonry and screed, a high degree of mineral dust containing quartz is produced which is harmful to the health. Inhalation of quartz fine dust is harmful to the health. EN 60335-2-69 prescribes the use of at least one safety extractor of dust class M for the extraction of health hazardous dusts with an exposure limit/ work place limit of > 0.1 mg/m<sup>3</sup>). Observe the national regulations.

Suction rotor for dust extraction in dry drilling with connection for REMS Pull and other suitable extractors, as accessory. REMS Pull M, wet and dry dust extractor, certified for extracting health hazardous dusts of dust class M, see page 236.





Tested by electrosuisse≫ German Quality Product

With speed regulation for the best drilling performance and maximum life of the drilling crowns.





**REMS Simplex 2** 

**REMS** Titan

# **REMS Picus SR**

Electric diamond core drilling machine with speed regulation

#### Water extractor unit

Water extractor unit for wet drilling up to Ø 170 mm, consisting of a water collector ring with connection for REMS Pull or other suitable wet extractors, compression ring, rubber washer Ø 200 mm, adaptable to diameter of the drill crown and universal pressure pad for all REMS drill stands, as accessory.



REMS Picus SR Basic-Pack



Supply format

**REMS Picus SR Basic-Pack.** For core drilling in concrete, steel-reinforced concrete up to Ø 162 (200) mm, masonry and other materials up to Ø 250 mm. For dry or wet drilling, hand held or with drill stand. Drive machine with drilling crown connection thread UNC 1¼ male, G ½ female, maintenance-free 2-step gear with safety slip clutch, universal motor 230 V, 50 – 60 Hz, 2200 W. Stepless electronic speed regulation 250 rpm to 500 rpm (1<sup>st</sup> gear) or 600 rpm to 1200 rpm (2<sup>nd</sup> gear), overheating protection. Multifunction electronics with soft starting, idle speed limiting, overload protection, blocking protection. Touch switch with lock. Personal protection switch (PRCD). Water supply device with adjustable shut-off valve and quick coupling with water stop and ½" hose connection. Stabiliser. Single open ended wrench size 32. In sturdy steel case.

ArtNo.	
183010	

183023

Other voltages on request.

#### Supply format

REMS Picus SR Set Titan. REMS Picus SR Basic-Pack with REMS Titan
drilling stand including fastening kit for masonry and concrete.

	ArtNo.	
	183022	
Other veltages on request		

Other voltages on request.

#### Supply format

 REMS Picus SR Set 62-82-132 Titan. REMS Picus SR Basic-Pack

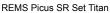
 with REMS Titan drilling stand including fastening kit for masonry and concrete

 and REMS Universal diamond core drilling crowns UDKB Ø 62-82-132 mm.

 Art.-No.

Other voltages on request.

Description	ArtNo.
REMS Picus SR drive unit	183000
<b>Spacer set,</b> for additional fastening of the REMS Picus SR drive machine to the REMS Titan drilling stand, consisting of spacer and two M 8 x 65 cylinder head screws	183632
Steel case with inlay	180600
<b>REMS Universal diamond core drilling crowns,</b> inductively soldered, resolderable, see page 230.	
REMS universal diamond core drilling crowns LS, laser welded, high temperature-resistant, see page 23 <sup>3</sup>	1.
REMS Pull L / M, dry and wet extractors, see page 236	6
Additional accessories see page 228–229.	





REMS Picus SR Set 62-82-132 Titan





# **REMS Picus S2/3,5**

Powerful. robust core drilling machine for core drilling, e.g. in concrete, steel-reinforced concrete, all kinds of masonry, natural stone, asphalt, all kinds of screed. Dry or wet drilling with drill stand. For installation, metalwork, industry.

Concrete, steel-reinforced concrete,

masonry and others

Ø 40-300 mm

REMS Universal diamond core drilling crowns, also suitable for drive machines of other makes, see page 230–231.

# REMS Picus S2/3,5 – Core drilling instead of chiselling. Easy, fast, vibration-free.

#### Universal use

Universal drive machine for dry or wet drilling, hand held or with drill stand. Can be used anywhere, in narrow angles, flush with the wall. Extremely versatile and efficient, e.g. drilling in steel-reinforced concrete, masonry and other materials. For pipeline and cable ducting, ventilation channels, test core drilling.

#### System advantage

Only **one** type of universal diamond core drilling crowns for all REMS Picus drive machines and other suitable makes of drive machines. Therefore simple, low cost storage. No confusion possible.

#### Design

Compact, handy drive machine for vibration-free core drilling, with drilling crown connecting thread UNC 11⁄4 male. Light loosening ring, for light loosening of the diamond core crowns. Compact, robust, suitable for the building site. Weight just 14.4 kg. Simple, fast work, e.g. 200 mm in steel-reinforced concrete Ø 62 mm in only 2 min. Clamping plate for fast clamping to the drill stand. Water supply for wet drilling, with adjustable shut-off valve and quick coupling with water stop and hose connection 1⁄2".

#### Drive

Robust, powerful 3420 W universal motor. Stable, maintenance-free 2-speed gear for optimum selection of load speed according to the drilling diameter. Load speed drilling spindle 320 rpm, 760 rpm. Blocking protection by safety slip clutch. Rocker switch. Connecting cable with integrated personal protection switch (PRCD).

#### **Multifunction electronics**

Multifunction electronics with start-up current limiting for soft starting for delicate drilling start, automatic idle speed limiting for noise reduction and preservation of the motor, overload and blocking protection for motor and gear.

# Universal diamond core drilling crowns

Universally usable for dry and wet drilling, hand held or with drill stand. Optionally REMS Universal diamond core drilling crowns, inductively soldered, resolderable or REMS Universal diamond core drilling crowns LS, laser welded, high temperature-resistant (page 230–231). Connecting thread UNC 1½ female. Drilling depth 420 mm. Specially developed, high quality diamond segments with high diamond percentage and special bonding, for excellent drilling performance and very long life. Ideal for universal applications in steel-reinforced concrete and masonry. Adapter for using the REMS Universal diamond core drilling crowns in drive machines of other makes, as accessory. Light loosening ring, for light loosening of the diamond core crown, as accessory.

#### Water extractor unit

Water extractor unit for wet drilling up to Ø 170 mm, consisting of a water collector ring with connection for REMS Pull or other suitable wet extractors, compression ring, rubber washer Ø 200 mm, adaptable to diameter of the drill crown and universal pressure pad for all REMS drill stands, as accessory.

## **Drill stand REMS Titan**

Robust, highly stable drilling stand for core drilling in steel-reinforced concrete and other materials up to Ø 300 mm. For high demands. Drill column made of rigid, unbendable square precision steel tube # 50 mm, with extra narrow tolerance, for low-vibration guiding of the slide. Continuously tiltable with degree scale up to 45°, with double support by adjustable, single-part steel girders, for maximum thrust pressure. Highly stable, 3-sided guidance of the drill column in the base plate and triple cross fastening for high rigidity in vertical drilling. 4 Eyebolts for levelling une-venness of the floor, for exact standing position. Drill depth scale. Slide guided on all sides by adjustable, pretensioned plastic slide bearings. Precision in-feed drive ensures easy, low-vibration drilling and precise, low-vibration drill thrust. For high thrust pressure and long life of the drilling crowns. Spirit level integrated in the slide for exact alignment of the drill stand. Locking of the slide for simple assembly of the drilling crown and safe transport. Rigid connection plate made of wear-resistant spheroidal iron. Quick-clamping device for accommodating drive units with a suitable connection plate. Highly stable clamping bracket, unbendable and rigid, for accommodating drive units with Ø 60 mm clamping throat. Rack and pinion force transmission with ergonomically designed pressing lever which can be inserted in both sides of the slide. Wide steel rack. Base plate with groove for sealing ring of the vacuum fastening. Vacuum fastening as accessory. Drill column with adjustable clamping head for clamping the drill stand between the ceiling and floor or between two walls. Mobile drill stand for easy transport. Weight 19.5 kg.

With tools, consisting of Allen key size 6, single open ended wrench size SW 19 and SW 30 and fastening kit for masonry and concrete, consisting of 2 M12 splaying anchors, 10 M12 hammer anchors for concrete, setting iron for M12 hammer anchors, cord threaded bar M12 × 65, quick clamping nut, washer, carbide masonry drill Ø 15 mm SDS-plus, in box.









**REMS** Titan

# Supply format

**REMS Picus S2/3,5 Basic-Pack.** Electric diamond core drilling machine for core drilling in concrete, steel-reinforced concrete, all kinds of masonry, natural stone, asphalt, all kinds of screed, up to Ø 300 mm. For dry and wet drilling with drill stand. Drive machine with drilling crown connecting thread UNC 11/4 male, maintenance-free 2-speed gear with safety slip clutch, universal motor 230 V, 50–60 Hz, 3420 W. Multifunction electronics with soft starting, idle speed limiting, overload protection, blocking protection. Touch switch with lock. Personal protection switch (PRCD). Load speed drilling spindle 320 rpm, 760 rpm. Water supply device with adjustable shut-off valve and quick coupling with water stop and hose connection ½". Light loosening ring. Single open-ended wrench size 32. In a carton.

180012	

Other voltages on request.

## Supply format

**REMS Picus S2/3,5 Set Titan.** REMS Picus SR/3.5 Basic-Pack with REMS Titan drilling stand including fastening kit for masonry and concrete.

ArtNo.	
180030	

Other voltages on request.





#### Accessories

Description REMS Universal diamond core drilling crowns, inductively soldered, resolderable, see page 230. REMS universal diamond core drilling crowns LS, laser welded, high temperature-resistant, see page 231. REMS Pull L / M, dry and wet extractors, see page 236

Additional accessories see page 228-229.





# **Drill stands**

# Accessories for REMS Picus S1, REMS Picus S3, REMS Picus SR, REMS Picus S2/3,5 and other makes

## Supply format

**REMS Simplex 2.** Robust, handy drilling stand for core drilling up to Ø 200 mm. **Drill** column made of rigid, unbendable square precision steel tube ₱ 50 mm, with extra narrow tolerance, for low-vibration guiding of the slide. Drilling column guided in sturdy stand and double bolted for high rigidity during drilling. Steel section stand. 4 Set screws for levelling unevenness of the floor, for exact standing position. Clamping bracket for holding drive machines with clamping throat Ø 60 mm. Slide guided on all sides by adjustable, pretensioned plastic slide bearings. Precision in-feed drive ensures easy, low-vibration drilling and precise, low-vibration drill thrust. For high thrust pressure and long life of the drill stand. Locking of the slide for simple assembly of the drilling crown and safe transport. Stable clamping bracket, unbendable and rigid, for accommodating drive units with Ø 60 mm clamping throat. Rack and pinion force transmission with ergonomically designed pressing lever which can be inserted in both sides of the slide. Wide steel rack Weight 12 kg.

With tools, consisting of Allen key size 6, single open ended wrench size SW 19 and SW 30 and fastening kit for masonry and concrete, consisting of 2 M12 splaying anchors, 10 M12 hammer anchors for concrete, setting iron for M12 hammer anchors, cord threaded bar M12 × 65, quick clamping nut, washer, carbide masonry drill Ø 15 mm SDS-plus, in box.

For REMS Picus S1, REMS Picus S3, REMS Picus SR and other makes.

ArtNo.	
183700	



## Supply format

**REMS Titan.** Robust, highly stable drilling stand for core drilling in steel-reinforced concrete and other materials up to Ø 300 mm. For high demands. Drill column made of rigid, unbendable square precision steel tube Phi 50 mm, with extra narrow tolerance, for low-vibration guiding of the slide. Continuously tiltable with degree scale up to 45°, with double support by adjustable, single-part steel girders, for maximum thrust pressure. Highly stable, 3-sided guidance of the drill column in the base plate and triple cross fastening for high rigidity in vertical drilling. 4 Eyebolts for levelling unevenness of the floor, for exact standing position. Drill depth scale. Slide guided on all sides by adjustable, pretensioned plastic slide bearings. Precision in-feed drive ensures easy, low-vibration drilling and precise, low-vibration drill thrust. For high thrust pressure and long life of the drilling crowns. Spirit level integrated in the slide for exact alignment of the drilling crown and safe transport. Rigid connection plate made of wear-resistant spheroidal iron. Quick-clamping device for accommodating drive units with a suitable connection plate. Highly stable clamping bracket, unbendable and rigid, for accommodating drive units with Ø 60 mm clamping throat. Rack and pinion force transmission with ergonomically designed pressing lever which can be inserted in both sides of the slide. Wide steel rack. Base plate with groove for sealing ring of the vacuum fastening. Vacuum fastening as accessory. Drill column with adjustable clamping head for clamping threat, Base plate with groove for sealing ring of the vacuum fastening. Vacuum fastening as accessory. Drill column with adjustable clamping head for clamping threat the ceiling and floor or between two walls. Mobile drill stand for easy transport Weight 19.5 kg.

With tools, consisting of Allen key size 6, single open ended wrench size SW 19 and SW 30 and fastening kit for masonry and concrete, consisting of 2 M12 splaying anchors, 10 M12 hammer anchors for concrete, setting iron for M12 hammer anchors, cord threaded bar M12 × 65, quick clamping nut, washer, carbide masonry drill Ø 15 mm SDS-plus, in box.

System advantage: For REMS Picus S1, REMS Picus S3, REMS Picus SR, REMS Picus S2/3,5 and other makes.

ArtNo.	
183600	

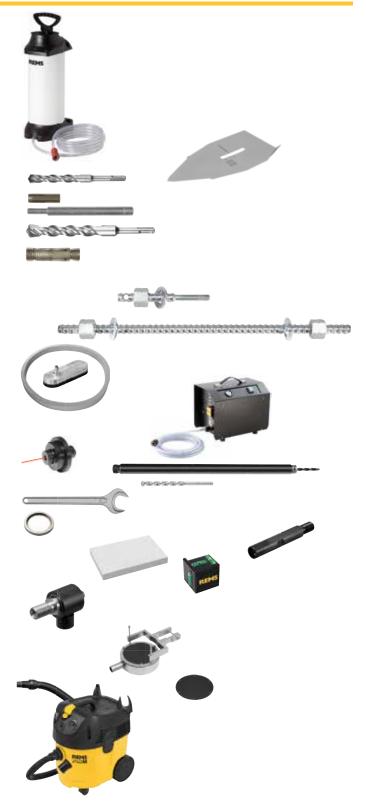


# Accessories

Description	ArtNo.	
Water pressure tank for 10 ltr of water,		
for wet drilling without water connection	182006	
<b>Titan drilling template</b> for easy setting of the fastening	102000	
holes. For REMS Titan drilling stand.	183605	
Carbide masonry drills Ø 15 mm SDS-plus		
for hammer anchors M12	079018	
Hammer anchor M12 (pack of 50), for concrete	079005	
Setting iron for hammer anchor M12	182050	
Carbide masonry drill Ø 20 mm SDS-plus		
for splaying anchors M12	079019	
Splaying anchor M12 (pack of 10), for masonry,		
reusable	079006	
Quick clamping set 160 for fastening the drilling stand		
with anchors, consisting of cord threaded bar 160 mm	070010	
with M12 × 52 thread, quick clamping nut, washer.	079010	
Quick clamping set 500 for fastening the drilling stand		
without anchor, consisting of cord threaded bar 500 mm, 2 quick clamping nuts, 2 washers	183607	
Titan vacuum fastening, consisting of cover plate	103007	
with nipple for <sup>3</sup> / <sub>8</sub> " screw connection and sealing ring		
for base plate.	183603	
Vacuum pump, for vacuum ≤ -900 mbar (90%),		
consisting of dry running rotary slide pump, oil-free,		
performance 6 m3/h, condenser motor 230 V, 50–60 Hz, 250 W, splash water-protected, inside		
suction filter with silencer function and 5 m PVC		
fabric hose with bayonet coupling.	183670	
Laser drilling centre pointer	183604	
<b>G</b> ½ drill aid with carbide masonry drill Ø 8 mm	180150	
Carbide masonry drill Ø 8 mm for drilling aid	079013	
Single open ended wrench size 41 for loosening	010010	
the universal diamond core drilling crowns	079003	
Light loosening ring, for light loosening		
of the diamond core crown	180015	
Drilling crown extension 200 mm	180155	
Sharpening stone for diamond core drilling crowns	079012	
Spirit level, magnetic, with 3 indicators for setting		
the stand 3-dimensionally	182009	
Suction rotor for dust extraction		
with G $\frac{1}{2}$ male connecting thread, UNC 1 $\frac{1}{4}$ male		
connecting thread and with connection for REMS Pull	400400	
and other suitable extractors.	180160	
Water suction device, for wet drilling up to Ø 170 mm,		
consisting of water collection ring with pressure ring, rubber washer Ø 200 mm and universal pressure pad		
for all REMS drilling stands.	183606	
Rubber washer Ø 200 mm (pack of 10),	100000	
for water suction device	183675	
		extractor

**REMS Pull L / M,** dry and wet extractor, certified as extractor and dust extractor for extracting health hazardous dusts in accordance with EN 60335-2-69, see page 236

For REMS Picus S1, REMS Picus SR, REMS Picus S3, REMS Picus S2/3,5 and other makes



# **REMS Universal diamond core** drilling crowns

For REMS Picus S1, REMS Picus SR, REMS Picus S3, REMS Picus S2/3,5 and other makes

High quality universal diamond core drilling crowns. Inductively soldered. Universally usable for dry and wet drilling, hand held or with drill stand. Ideal for universal applications in steel-reinforced concrete, masonry and many types of material. For installation, metalwork, industry.

Concrete, steel-reinforced concrete, all kinds of masonry, natural stone, asphalt, all kinds of screed and other

Ø 32-300 mm

# REMS Universal diamond core drilling crowns -Inductively soldered. Diamond segments with conical cut for fast, easy and guiet drilling. Versatile for many types of material.

#### Ideal for plumbers.

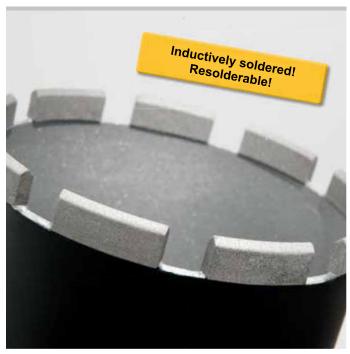
Universally usable for many materials, for dry and wet drilling, hand held or with drill stand.

Single connecting thread UNC 11/4 female. Drilling depth 420 mm.

Specially developed, high quality diamond segments with high diamond percentage and special bonding, for excellent drilling performance and very long life. Ideal for universal applications in steel-reinforced concrete and masonry.

Diamond segments with conical cut ("roof shape") for fast, easy and quiet drilling. Inductively soldered on fully automatic soldering machines for constant high quality of the soldered connection. Drilling tubes with soldered diamond segments can be resoldered by simple hard soldering.

Light loosening ring, for light loosening of the diamond core crowns, as accessory. Drive through all REMS Picus drive machines and suitable drive machines of other makes having connecting thread UNC 11/4 male. Adapter for using REMS Universal diamond core drilling crowns in drive machines having other connecting threads, as accessory.



German Quality Product





Poroton

Brickwork

## Supply format

REMS Universal diamond core drilling crown. Inductively soldered, resolderable. Universally usable for dry and wet drilling, hand held or with drill stand. For many materials, e.g. concrete, steel-reinforced concrete, all kinds of masonry, natural stone, asphalt, all kinds of screed. Connecting thread UNC 11/4 female.

			Drilling depth 420 mm. In a carton
	ArtNo.	Number of segments	Ø × drilling depth × connection
	181010	4	UDKB 32 × 420 × UNC 11/4
	181015	4	UDKB 42 × 420 × UNC 11/4
	181020	5	UDKB 52 × 420 × UNC 11/4
	181025	6	UDKB 62 × 420 × UNC 11/4
	181030	7	UDKB 72 × 420 × UNC 11/4
	181035	7	UDKB 82 × 420 × UNC 11/4
	181040	8	UDKB 92 × 420 × UNC 11/4
	181045	8	UDKB 102 × 420 × UNC 11/4
	181050	9	UDKB 112 × 420 × UNC 11/4
	181057	10	UDKB 125 × 420 × UNC 11/4
	181060	11	UDKB 132 × 420 × UNC 11/4
	181065	12	UDKB 152 × 420 × UNC 11/4
	181070	12	UDKB 162 × 420 × UNC 11/4
	181075	12	UDKB 182 × 420 × UNC 11/4
	181080	12	UDKB 200 × 420 × UNC 11/4
	181085	13	UDKB 225 × 420 × UNC 11/4
	181090	14	UDKB 250 × 420 × UNC 11/4
	181095	22	UDKB 300 × 420 × UNC 11/4
	181050 181057 181060 181065 181070 181075 181080 181085 181090	9 10 11 12 12 12 12 12 13 14	UDKB 112 × 420 × UNC 1¼ UDKB 125 × 420 × UNC 1¼ UDKB 132 × 420 × UNC 1¼ UDKB 152 × 420 × UNC 1¼ UDKB 162 × 420 × UNC 1¼ UDKB 182 × 420 × UNC 1¼ UDKB 200 × 420 × UNC 1¼ UDKB 225 × 420 × UNC 1¼ UDKB 250 × 420 × UNC 1¼

#### Accessories

Description	ArtNo.	
Light loosening ring, for light loosening of the diamond core crown	180015	
Drilling crown extension 200 mm	180155	
Adapter UNC 11/4 male – G 1/2 male	180052	
Adapter UNC 1¼ male – G ½ female	180056	
Adapter UNC 1¼ male – Hilti Bl	180053	
Adapter UNC 1¼ male – Hilti BU	180054	
Adapter UNC 1¼ male – Würth	180055	
Sharpening stone for diamond core drilling crowns	079012	
Single open ended wrench size 41 for UDKB	079003	

Additional adapters for using REMS Universal diamond core drilling crowns LS in drive machines of other makes, on request.







# **REMS Universal diamond core** drilling crowns LS

High quality universal diamond core drilling crowns. Laser welded. Universally usable for dry and wet drilling, hand held or with drill stand. Ideal for universal applications in steel-reinforced concrete, masonry and many types of material. For installation, metalwork, industry.

Concrete, steel-reinforced concrete, all kinds of masonry, natural stone, asphalt, all kinds of screed and other

Ø 32-200 mm

# REMS universal diamond core drilling crowns LS laser welded. Diamond segments with conical cut for fast, easy and guiet drilling. Versatile for many types of material.

#### Ideal for plumbers.

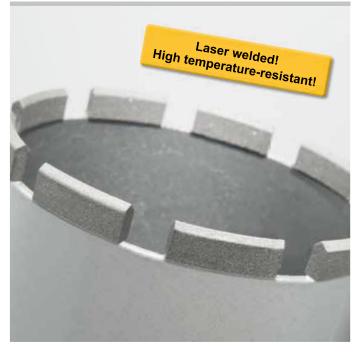
Universally usable for many materials, for dry and wet drilling, hand held or with drill stand.

Single connecting thread UNC 11/4 female. Drilling depth 420 mm.

Specially developed, high quality diamond segments with high diamond percentage and special bonding, for excellent drilling performance and very long life. Ideal for universal applications in steel-reinforced concrete and masonry.

Diamond segments with conical cut ("roof shape") for fast, easy and quiet drilling. Inductively soldered on fully automatic soldering machines for constant high quality of the soldered connection. Drilling tubes with soldered diamond segments can be resoldered by simple hard soldering.

Light loosening ring, for light loosening of the diamond core crowns, as accessory. Drive through all REMS Picus drive machines and suitable drive machines of other makes having connecting thread UNC 11/4 male. Adapter for using REMS Universal diamond core drilling crowns LS in drive machines having other connecting threads, as accessory.





#### Supply format

REMS Universal diamond core drilling crown. Laser welded! High temperature-resistant! Universally usable for dry and wet drilling, hand held or with drill stand. For many materials, e.g. concrete, steel-reinforced concrete, all kinds of masonry, natural stone, asphalt, all kinds of screed. Connecting thread UNC 11/4 female.

# Drilling depth 420 mm. In a carton.

Ø × drilling depth × connection	Number of segments	ArtNo.
UDKB LS 32 × 420 × UNC 11/4	1	181410
UDKB LS 42 × 420 × UNC 11/4	4	181415
UDKB LS 52 × 420 × UNC 11/4	5	181420
UDKB LS 62 × 420 × UNC 11/4	6	181425
UDKB LS 72 × 420 × UNC 11/4	6	181430
UDKB LS 82 × 420 × UNC 11/4	7	181435
UDKB LS 92 × 420 × UNC 11/4	8	181440
UDKB LS 102 × 420 × UNC 11/4	9	181445
UDKB LS 112 × 420 × UNC 11/4	9	181450
UDKB LS 125 × 420 × UNC 11/4	10	181457
UDKB LS 132 × 420 × UNC 11/4	10	181460
UDKB LS 152 × 420 × UNC 11/4	11	181465
UDKB LS 162 × 420 × UNC 11/4	12	181470
UDKB LS 182 × 420 × UNC 11/4	13	181475
UDKB LS 200 × 420 × UNC 11/4	14	181480

#### Accessories

Description	ArtNo.	
Light loosening ring, for light loosening of the diamond core crown	180015	
Drilling crown extension 200 mm	180155	
Adapter UNC 11/4 male – G 1/2 male	180052	
Adapter UNC 11/4 male – G 1/2 female	180056	
Adapter UNC 11/4 male – Hilti Bl	180053	
Adapter UNC 11/4 male – Hilti BU	180054	
Adapter UNC 11/4 male – Würth	180055	
Sharpening stone for diamond core drilling crowns	079012	
Single open ended wrench size 41 for UDKB	079003	

Additional adapters for using REMS Universal diamond core drilling crowns LS in drive machines of other makes, on request

Brickwork

231

Poroton

Sandstone

Limestone Granite

Asphalt f.e.

Steelreinforced concrete





# **REMS tile drilling**

Diamond tipped dry drilling crowns for fast, clean drilling in all kinds of tiles. Ideal for assembly and renovation.

Ceramic, fine clay, granite, marble etc.

# **REMS** tile drilling – for dry drilling.

Can be used universally for dry drilling without hammering in ceramic, fine clay, granite, marble and other materials. No cracking of the tiles. No water necessary.

Special wax filling inside the dry drilling crown as a cooling lubricant,

becomes liquid when heated and cools the dry drilling crown. Simple, free-hand starting by drill aid with vacuum fastening. Hexagon connection for  $\frac{1}{4}$ " bit holders.

Drive by cordless REMS Helix power drill (see page 93) and other electric drills/ screwdrivers (speed ≥ 1,000 rpm).





## Supply format

**REMS tile drilling Set 6-8-10.** Diamond-studded dry drilling crowns with special wax filling. For ceramic, fine clay, granite, marble and other materials. Tile drilling Ø 6, 8, 10 mm, drill aid with vacuum fastening. In blister pack.

ArtNo.	
181700	

Description	ArtNo.
REMS tile drilling Ø 5 mm	181710
REMS tile drilling Ø 6 mm	181711
REMS tile drilling Ø 8 mm	181712
REMS tile drilling Ø 10 mm	181713
REMS tile drilling Ø 12 mm	181714
REMS tile drilling Ø 14 mm	181715
REMS Helix, cordless drill/screwdriver, see p	bage 93







# Diamond chasing and cutting machines

Compact, handy power tool for dry chasing and cutting, e.g. of concrete, steel-reinforced concrete, all kinds of masonry, natural stone, all kinds of screed. For trade and industry.

REMS Krokodil 125	
Chase depth	≤ 38 mm
Chase width	≤ 43 mm
Number of diamond cutting discs	1–2
REMS Krokodil 180 SR	
Chase depth	≤ 63 mm
Chase width	≤ 62 mm
Number of diamond cutting discs	1-3

REMS Universal diamond cutting discs, also for suitable drive machines of other makes, see page 235.

# REMS Krokodil – chasing instead of chiselling. Full contact support plate. Multi-function electronics.

#### Universal use

Universal drive machine for dry chasing and cutting. Ideal for producing chases/ grooves for laying pipes and electric cables in heating, sanitary and electrical installation, air-conditioning and cooling technology.

#### Design

<u>REMS Krokodil 125:</u> Compact, handy drive machine, only 5.8 kg. Robust, suitable for building site conditions. Fast, easy working, e.g. chases in masonry 500 mm long, 38 mm deep, only 25 s. Full contact support plate during the entire chasing/cutting process for guided plunge-in of the diamond cutting discs, dust-free, safe working and easy, even feed. Practical switch grip, adjustable in two positions, parallel or transversely to the machine axis and swivel handle, for optimum working position and ergonomic work. Locking of the drive shaft for easy changing of the universal diamond cutting discs. Continuously adjustable depth stop. Suction nozzle for connecting a dust extractor integrated into the housing.

<u>REMS Krokodil 180 SR:</u> Compact, handy drive machine, only 7.2 kg. Robust, suitable for building site conditions. Fast, easy working, e.g. chases in masonry 500 mm long, 63 mm deep, only 34 s. Full contact support plate during the entire chasing/cutting process for guided plunge-in of the diamond cutting discs, dust-free, safe working and easy, even feed. Practical switch handle with triple force-transmitting leverage for easy plunge-in and effective feeding. Swivel handle, for o ptimum working position and ergonomic work. Locking of the drive shaft for easy changing of the universal diamond cutting discs. Continuously adjustable depth stop. Suction nozzle for connecting a dust extractor integrated into the housing.

#### Drive

<u>REMS Krokodil 125:</u> Robust, powerful universal motor, 1,850 W. Load speed of the drive shaft of the cutting discs 5,000 rpm. Strong, maintenance-free gear with safety slip clutch. Safety switch with lock.

<u>REMS Krokodil 180 SR</u>: Robust, powerful universal motor, 2,000 W. Load speed of the drive shaft of the cutting discs 5,000 rpm. Overheating protection by temperature monitoring of the motor's field winding with a PTC resistor (Positive Temperature Coefficient). Strong, maintenance-free gear. Safety switch with lock. Restart protection in case of mains failure.

#### **Speed Regulation**

The electronic tachometer speed control (REMS Krokodil 180 SR) used for regulation keeps the speed constant, also under load. Advantage: The chasing and cutting speed (load speed) is maintained during the entire chasing and cutting process for a high chasing and cutting performance.

#### **Multi-function electronics**

Multifunction electronics with start-up current limiting for soft starting for delicate engagement of the diamond cutting discs, automatic idle speed limiting for noise reduction and preservation of the motor, overload and blocking protection for motor and gear.

## Universal diamond cutting discs

Universally usable for straight chasing and cutting. Specially developed, high quality diamond segments with high diamond content and special bonding for excellent chasing/drilling performance and very long life. Optionally REMS Universal diamond cutting discs Eco, sintered, REMS Universal diamond cutting discs LS Turbo, laser-welded, high temperature-resistant, for fast cuts and cuts in hard materials or REMS Universal diamond cutting discs LS H-P, high-performance, laser-welded, high temperature-resistant, for fast cuts and cuts in very hard materials, with long life, (page 235). Metal body in accordance with EN 13236. Mounting bore Ø 22.23 mm

#### Dust extraction in accordance with EN 60335-2-69

When working with mineral building materials, e.g. concrete, steel-reinforced concrete, masonry and screed, a high degree of mineral dust containing quartz is produced which is harmful to the health. Inhalation of quartz fine dust is harmful to the health. EN 60335-2-69 prescribes the use of at least one safety extractor of dust class M for the extraction of health hazardous dusts with an exposure limit/ work place limit of > 0.1 mg/m<sup>3</sup>). Observe the national regulations. REMS Pull M, wet and dry dust extractor, certified for extracting health hazardous dusts of dust class M, see page 236.











# Supply format

**REMS Krokodil 125 Basic-Pack.** Electric diamond chasing and cutting grinder for chasing and cutting concrete, steel-reinforced concrete, all kinds of masonry, natural stone, all kinds of screed. Chase depth 38 mm, continuously adjustable. Chase width  $\leq$  43 mm, stepped with spacer discs 3, 6, 10, 20 mm. Drive machine with drive shaft Ø 22.2 mm, for 1 or 2 diamond cutting discs in accordance with EN 13236, Ø  $\leq$  125 mm, with maintenance-free gear with safety slip clutch, 230 V, 50–60 Hz, 1,850 W universal motor. Multifunction electronics with soft start, idling speed limiting, overload protection. Safety switch with lock. Load speed 5,000 rpm. Suction nozzle for connecting an extractor/dust extractor. Pin wrench size 13. In sturdy carrying case.

	ArtNo.	
	185010	
Other voltages on request.		



# Supply format

**REMS Krokodil 180 SR Basic-Pack.** Electric diamond chasing and cutting grinder with speed regulation. For chasing and cutting concrete, steel-reinforced concrete, all kinds of masonry, natural stone, all kinds of screed. Chase depth 63 mm, continuously adjustable. Chase with  $\leq 62$  mm, stepped with spacer discs 3, 6, 10, 20 mm. Drive machine with drive shaft Ø 22.2 mm, for 1, 2 or 3 diamond cutting discs in accordance with EN 13236, Ø  $\leq 180$  mm, with maintenance-free gear, 230 V, 50–60 Hz, 2,000 W universal motor. Multifunction electronics with soft start, idling speed limiting, overload protection, overheating protection. Restart protection nozzle for connecting an extractor/dust extractor. Pin wrench size 13. In sturdy steel case.

ArtNo.	
185011	

Other voltages on request.

Description	ArtNo.	
REMS Krokodil 125 drive unit	185000	
REMS Krokodil 180 SR drive unit	185001	
<b>REMS Universal diamond cutting disc Eco</b> Ø 125 mm, sintered, with metal body in accordance with EN 13236	185020	
<b>REMS Universal diamond cutting disc LS-Turbo</b> Ø 125 mm, laser-welded, high temperature-resistant, for fast cuts and cuts in very hard materials, with metal body in accordance with EN 13236	185021	
<b>REMS Universal diamond cutting disc LS H-P</b> Ø <b>125 mm</b> , high-performance, laser-welded, high temperature-resistant, for fast cuts and cuts in very hard materials, long life, with metal body in accordance with EN 13236.	185022	
<b>REMS Universal diamond cutting disc Eco</b> Ø 180 mm, sintered, with metal body in accordance with EN 13236	185025	
<b>REMS Universal diamond cutting disc LS-Turbo</b> Ø 180 mm, laser-welded, high temperature-resistant, for fast cuts and cuts in very hard materials, with metal body in accordance with EN 13236	185026	
<b>REMS Universal diamond cutting disc LS H-P</b> Ø 180 mm, high-performance, laser-welded, high temperature-resistant, for fast cuts and cuts in very hard materials, long life, with metal body in accordance with EN 13236.	185027	
Chasing chisel for removing the ridge after chasing	185024	
Case with inlay	185058	
REMS Pull L / M, dry and wet extractors, see page 236		





# **REMS Pull L / M**

Powerful, electric dry and wet extractor with automatic filter cleaning. For commercial use in trade and industry.

For extraction of dusts, dirt and liquids.

Ideal for dust extracting when chasing, cutting, drilling, core drilling and grinding.

Certified as extractor and dust extractor for extracting health hazardous dusts.

Ideal for extracting drilling sludge during core drilling. **REMS Pull L** 

Dust class in accordance with EN 60335-2-69	) L
Exposure limit/work place limit	> 1 mg/m <sup>3</sup>
Penetration level	≤ 1 %
REMS Pull M	
Dust class in accordance with EN 60335-2-69	9 M

Dust class in accordance with EN 00000-2-	03 101
Exposure limit/work place limit	> 0.1 mg/m <sup>3</sup>
Penetration level	≤ 0.1 %

# REMS Pull – for dry and wet suction. Constantly high suction performance by permanent automatic filter cleaning. Certified for extracting health hazardous dusts.

#### Universal use

Powerful, handy extractor for dry and wet suction. For extraction of dusts, dirt and liquids. Excellently suited for dust extracting when chasing, cutting, drilling, core drilling and grinding. Certified as an extractor and dust extractor for extracting health hazardous dusts of dust class L or M in accordance with EN 60335-2-69. For commercial use in trade and industry.

#### Design

Compact, handy design. REMS Pull L only 12.5 kg, REMS Pull M only 12.7 kg. Light and manoeuvrable by rubber wheels and steerable castors, lockable by castor with brake Large tank capacity 35 I, filling volume for liquids 19 I. On/off switch and switch for automatic filter cleaning with integrated green LED to display operation stand-by of the automatic filter cleaning. Adapter for connecting a power tool to the extractor, individually adaptable to the suction nozzle of the used power tool. Flexible suction hose 2.5 m, practical suction hose extension 2.5 m, ergonomically angled handle, 2 insertable, chrome-plated metal suction tubes 0.5 m for adapting the suction pipe length. Wide wet/dry surface attachment 300 mm with rubber-coated castors, optionally brush strips for extracting dusts and dirt or rubber lips for extracting liquids. Joint attachment for confined spaces. Large working radius by long 7.5 m connecting lead. Holders for connecting lead, suction hose, metal suction tubes and accessories integrated into the extractor. Practical handle for easy transport.

REMS Pull M is suitable and certified for the extraction of health hazardous dusts of dust class M in accordance with EN 60335-2-69, with electronic volume flow monitoring, selector switch for adapting the suction power to different suction hose diameters (21, 27, 35 mm) and stopper for the suction hose connection nozzle.

# Permanent automatic filter cleaning

REMS Pull L and REMS Pull M with innovative, patented, automatic filter cleaning, prevents clogging of the filter with dust, especially effective in fine dust applications. The flat folded filter is cleaned automatically every 15 s by targeted, powerful shots of air. The suction force remains constantly high during cleaning. Patented flat folded filter system.

## Drive

Robust, powerful bypass motor, 1,200 W, with high-power turbine. High suction power, continuously adjustable up to an air rate  $\leq 61$  l/s, for optimum adaptation to the suction surface and the extracted product.

#### Automatic switch-off

Filling level limiting with automatic switch off on reaching the maximum liquid filling level when extracting electrically conductive liquids.

## Automatic power tool on/off

Appliance socket for power tools up to 2,200 W, with electronic automatic on/off integrated into the extractor. The extractor switches on/off automatically when the power tool is switched on/off. For convenient working.

## Anti-static system (REMS Pull M)

Static charge is dissipated to the earthed upper section of the extractor by electrically conductive metal suction pipes, electrically conductive handle E, electrically conductive suction hose E, electrically conductive suction hose extension E and electrically conductive suction hose connection nozzle.

## Dust extraction in accordance with EN 60335-2-69

When working with mineral building materials, e.g. concrete, steel-reinforced concrete, masonry and screed, a high degree of mineral dust containing quartz is produced which is harmful to the health. Inhalation of quartz fine dust is harmful to the health. EN 60335-2-69 prescribes the use of at least one safety extractor of dust class M for the extraction of health hazardous dusts with an exposure limit/ work place limit of > 0.1 mg/m<sup>3</sup>. Observe the national regulations.







Certified extractor and dust extractor for extracting health hazardous dusts in accordance with EN 60335-2-69.



Extraction of health hazardous dusts when chasing and cutting: REMS Pull M Set



Extraction of health hazardous dusts when dry drilling: REMS Pull M Set D

# **REMS Pull L / M**

#### Water extraction

PES flat folded filter required for extraction of water. Use wet filter bag or polythene bag if necessary. Wet filter bags separate the water from the sucked up solids when extracting dirty water. Polythene bags simplify disposal of the dirt and prevent dirt from collecting in the tank.



# Supply format

**REMS Pull Set.** Electric dry and wet extractor for commercial use. For extraction of dusts, dirt and liquids. Ideal for dust extracting when chasing, cutting, drilling, core drilling and grinding. Certified extractor and dust extractor for extracting health hazardous dusts in accordance with EN 60335-2-69<sup>10</sup>. Bypass motor 230 V, 50-60 Hz, 1,200 W. On/off switch and switch for automatic filter cleaning with integrated green LED. Suction power switch for continuous adjustment of the air rate  $\leq$  61 //s. Filling level limiting with automatic switch-off. Automatic filter cleaning. Appliance socket for power tools up to 2,200 W, with electronic automatic on/off. Large tank capacity 35 I, filling volume for liquids 19 I. Mobile, 2 wheels, castor/ castor with brake. Connecting cable 7.5 m. 1 paper filter bag, 1 flat folded paper filter. 2 metal suction pipes 0.5 m each, handle, suction hose 2.5 m, suction hose extension 2.5 m. Wet/dry surface attachment 300 mm with rollers, brush strips, rubber lips. Joint attachment. Suction hose/power tool adapter. Integrated holders for connecting cable, suction hose and accessories. In a box.

Description	Version	ArtNo.	
Pull L Set	Dust class L. Exposure limit/work place limit > 1 mg/m <sup>3</sup> , penetration level $\leq$ 1 %.	185500	
Pull L Set W	REMS Pull L Set including water- resistant flat pleated filter PES and water extraction device. Ideal for extraction of drilling sludge when wet drilling with REMS drill stands.	185503	
Pull M Set	Dust class M. Exposure limit/work place limit > 0.1 mg/m³, penetration level ≤ 0.1 %. Electronic volume flow monitor with acoustic signal. Selector switch for suction hose diameter. Stopper for the suction hose connection nozzle. Anti-static system with elec- trically conductive metal suction pipes, handle, suction hose, suction hose extension, suction hose connection nozzle.	185501	
Pull M Set D	REMS Pull M Set including suction rotor for dust extraction. Ideal for extracting health hazardous dusts when dry drilling with REMS Picus S1, Picus SR, Picus S3 etc.	185504	

# Safety extractor of dust class M

**REMS Pull M Set** 

Description	ArtNo.		
Paper filter bag (pack of 5), cellulose, 2-ply, for wet extraction, M-certified, for normal dirt, fine dusts	185510		BRA
Felt filter bag (pack of 5), polyester felt, 3-ply, ear-proof, for wet and dry extraction, M-certified, for normal dirt, fine dusts, abrasive dusts, wet dirt	185511	-	1 de la companya de l
<b>Net filter bag (pack of 5)</b> , paper-polyester voven felt, tear-proof, for wet and dry extraction, or abrasive dusts, wet dirt, liquids	185512		
Polythene bag (pack of 10), for wet and dry extraction of non-health hazardous dusts, for normal dirt, ine dusts, abrasive dusts, wet dirt, liquids. Prevents soiling of the tank.	185513		
Flat, folded filter paper, cellulose, nano-coated, I piece, for dry extraction, M-certified	185514		
Flat folded filter PES, polyester, nano-coated, 1 piece, water-resistant, non-rotting, washable with water. For wet and dry extraction, M-certified	185515		
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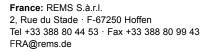
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