


# REMS

[www.rems.de](http://www.rems.de)



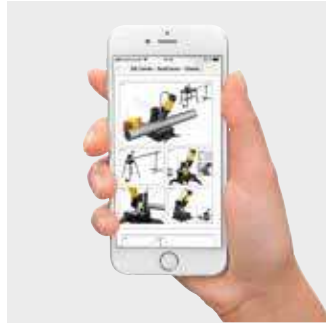
Innovative  
manufacturer of  
machines and tools  
for pipe working

**2023**

Catalogue



Product information



Operating instructions



Parts lists



Product films

## REMS App – All product information available any time, anywhere – quickly and easily.

On the building site or at your dealer: All operating instructions, parts lists, product information, product films and more can be called upon immediately\*. Many other functions are also available to you.



### Scan product logo

Are you standing in front of a REMS product? Just scan the product logo and you will get all the product details.



### Scan product illustration

You can scan the product illustrations in our offer brochures and get all the details about the product.



### Scan QR code

You can scan the REMS QR code and get all the details about the product.


















### REMS App

Free application software from the Apple App Store or Android App at Google Play.



\*Only with an existing data link via network operator or wifi.

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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. We reserve the right to increase prices. These prices supersede all previous prices.

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REMS GmbH & Co KG, Waiblingen.

**Sale through specialist dealers.**



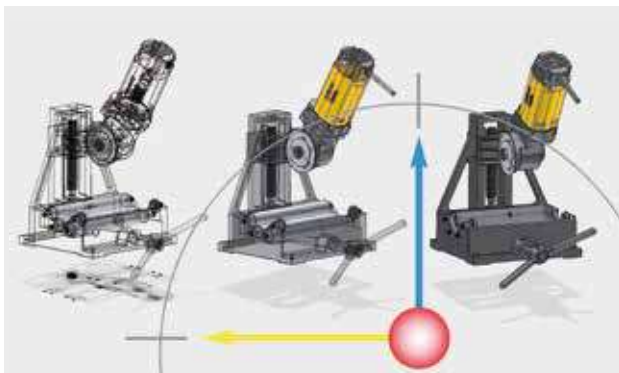
They are creative and have plenty of practical experience, they continuously find possibilities for improvement of the work of the installation professional: REMS development engineers are innovative and therefore important factors in the success of the company.

# REMS – heading technical progress for more than 110 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 14 V ACC, REMS Multi-Push – products, which have revolutionised the application technology.



Fully automatic 3D measuring machines are a part of the comprehensive quality control system at REMS. The accuracy of measurements at 0.001 mm guarantees the highest precision.

# 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.



Reliable staff with many years experience are responsible for ensuring that the optimum progression of the hardening process in the material for each component is realised exactly.



# 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.



**REMS**  
for Professionals

**REMS**  
for Professionals

**REMS**  
for Professionals



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.

# 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.



Product training in the  
REMS training centre:  
Become familiar with,  
compare, evaluate.

# 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.

Enrico Müller, Andreas Düssmann, Thomas Kirschner and Rüdiger Lohse, four of more than 200 qualified REMS specialist advisors are flexible and, when needed, swiftly on location for training courses and presentations.



**REMS**

REMS GmbH & Co KG  
Maschinen- und Werkzeugfabrik  
Telefon +49 7151 1707-0  
Mobiltelefon +49 172 7137108  
[www.rems.de](http://www.rems.de)

**REMS**  
for Professionals

# 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 professionals 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.

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# 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](http://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 contacts 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.

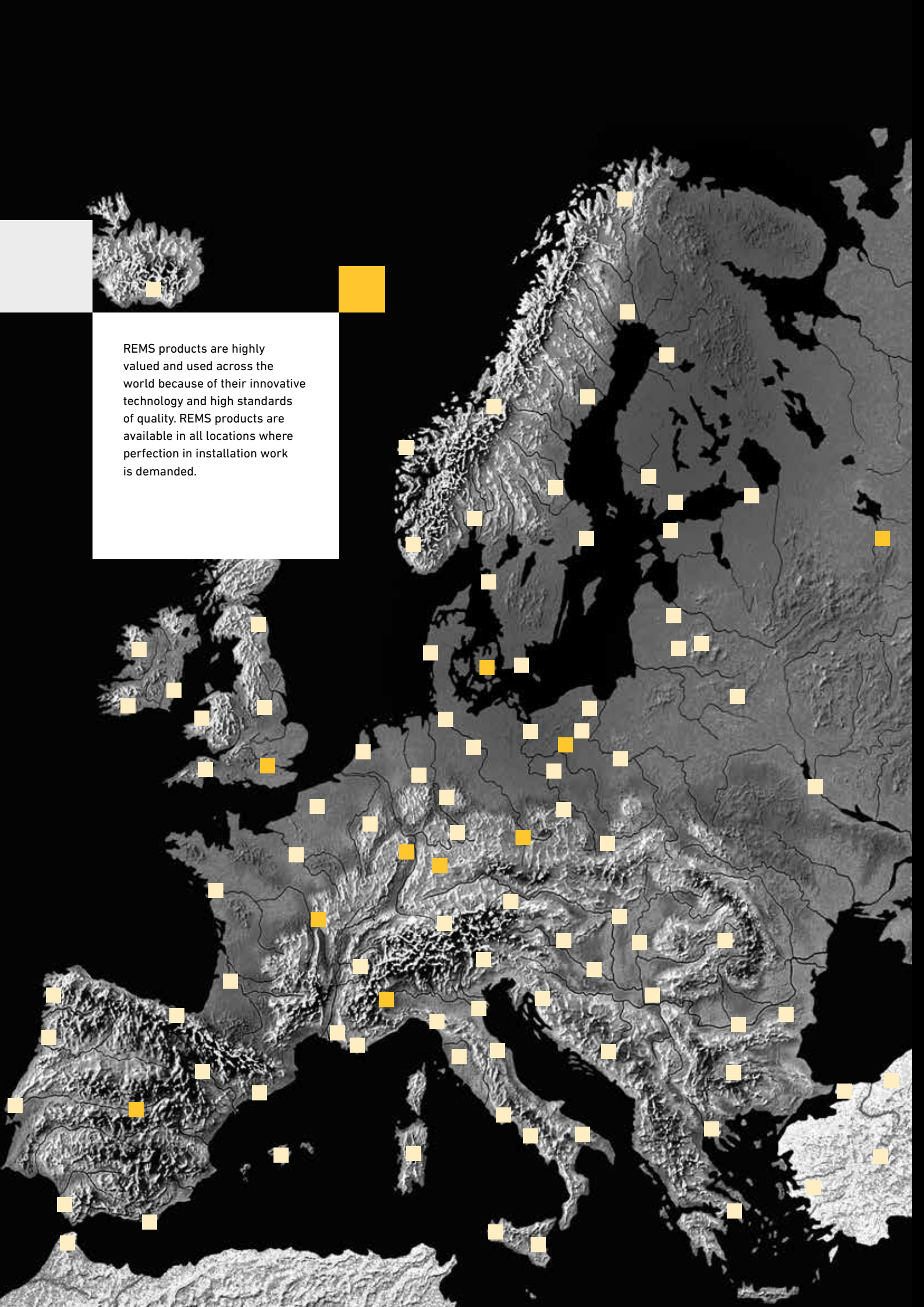


The online information system at [www.rems.de](http://www.rems.de)



REMS App





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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Proven quality die stock with excellent threading capabilities.

Pipe threads	1/8" – 2", 16 – 50 mm
Bolt threads	6 – 30 mm, 1/4" – 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 1 1/4" 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 23).

### 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



Info

### Supply format

**REMS eva Set.** Hand die stock with quick-change die heads. For pipe threads 1/8" – 2", 16 – 50 mm, bolt threads 6 – 30 mm, 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	Art.-No.
<b>REMS eva Set in steel case</b>	
R 1/2 + 3/4 + 1	520014
R 1/2 + 3/4 + 1 + 1 1/4	520015
R 3/8 + 1/2 + 3/4 + 1 + 1 1/4	520013
R 1/2 + 3/4 + 1 + 1 1/4 + 1 1/2 + 2	520017
R 3/8 + 1/2 + 3/4 + 1 + 1 1/4 + 1 1/2 + 2	520016
M 16 + 20 + 25 + 32 (M x 1,5)	520010
M 20 + 25 + 32 + 40 (M x 1,5)	520009
<b>REMS eva Set in cardboard box</b>	
R 1/2 + 3/4	520008
R 1/2 + 3/4 + 1	520004
R 3/8 + 1/2 + 3/4 + 1 + 1 1/4	520003

REMS eva sets available for left-handed threads and NPT threads.

### Accessories

Description	Art.-No.
<b>Ratchet lever</b> for complete work range	522000
<b>Quick-change die heads S</b> see page 23.	
<b>Quick-change die heads, dies, attachment heads for button dies</b> , see page 30 – 31.	
<b>Steel case</b> with inlay, for REMS eva 3/8" – 2"	526050
<b>Thread-cutting oil</b> see page 49.	
<b>REMS Nippelspanner</b> 3/8" – 2" see page 48.	
<b>REMS Aquila 3B</b> , pipe workstation with chain pipe vice on folding tripod stand, see page 105.	
<b>REMS Aquila WB</b> , chain pipe vice for workbench, see page 105.	



# REMS quick-change die heads S

Accessories for REMS eva and other makes

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

Pipe threads 3/8 – 1 1/4"

## 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 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



Info

### 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	Art.-No.
Set R 3/8 + 1/2 + 3/4	520025
Set R 1/2 + 3/4 + 1	520026
Set NPT 1/2 + 3/4 + 1	520056



### Accessories

Description	Size	Art.-No.
<b>Ratchet lever</b> for complete work range		522000
<b>Quick-change die heads S</b> Pipe threads tapered, right ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 3/8	521026
	R 1/2	521036
	R 3/4	521046
	R 1	521056
	R 1 1/4	521066
<b>Extension</b> 300 mm		522051
<b>Steel case</b> with inlay for ratchet lever, 4 quick-change die heads S and extension.		526052



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	1/8 – 1", 16 – 32 mm
Bolt threads	6 – 30 mm, 1/4 – 1"

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



Info

## Supply format

**REMS Amigo E Set.** Electric die stock with quick-change die heads. For pipe threads 1/8 – 1", 16 – 32 mm, bolt threads 6 – 30 mm, 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	Art.-No.
Set R 1/2 + 3/4 + 1	530013
Set M 20 + 25 + 32	530014

REMS Amigo E Set for NPT threads available.

## Accessories

Description	Art.-No.
<b>Quick-change die heads, dies, attachment heads for button dies, see page 30 – 31.</b>	
REMS Amigo E drive unit	530003
Support bracket	533000
REMS REG St 1/4 – 2", pipe deburrer, see page 99.	731700
Dual purpose holder for threading and sawing with REMS Amigo E, Amigo, Amigo 2 and REMS Tiger	543100
Ratchet lever see page 22.	522000
Thread-cutting oil see page 49.	
REMS Nippelspanner 3/8 – 2" see page 48.	
Steel case with inlay	536000





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  $\frac{1}{8}$  –  $1\frac{1}{4}$ " , 16 – 40 mm  
 Bolt threads 6 – 30 mm,  $\frac{1}{4}$  – 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  $\frac{3}{8}$  –  $1\frac{1}{4}$ " (2") (page 48).



German Quality Product



## Supply format

**REMS Amigo Set.** Electric die stock with quick-change die heads. For pipe threads  $\frac{1}{8}$  –  $1\frac{1}{4}$ " , 16 – 40 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, 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	Art.-No.
Set R $\frac{1}{2}$ + $\frac{3}{4}$ + 1 + $1\frac{1}{4}$	530020
Set M 16 + 20 + 25 + 32 (M x 1,5)	530022
Set M 20 + 25 + 32 + 40 (M x 1,5)	530023

REMS Amigo Set for NPT threads available.

## Accessories

Description	Art.-No.
<b>Quick-change die heads, dies, attachment heads for button dies, see page 30 – 31.</b>	
<b>REMS Amigo drive unit</b>	530000
<b>Support bracket</b>	533000
<b>REMS REG St <math>\frac{1}{4}</math> – 2"</b> , pipe deburrer, see page 99.	731700
<b>Dual purpose holder</b> for threading and sawing with REMS Amigo E, Amigo, Amigo 2 and REMS Tiger	543100
<b>Ratchet lever</b> see page 22.	522000
<b>Thread-cutting oil</b> see page 49.	
<b>REMS Nippelspanner <math>\frac{3}{8}</math> – 2"</b> see page 48.	
<b>Steel case</b> 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  $\frac{1}{8}$  – 2", 16 – 50 mm  
Bolt threads 6 – 30 mm,  $\frac{1}{4}$  – 1"

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.

### 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, 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  $\frac{3}{8}$  – 1" (2") (page 48).



German Quality Product



Info



## Supply format

**REMS Amigo 2 Set.** Electric die stock with quick-change die heads. For pipe threads  $\frac{1}{8}$  – 2", 16 – 50 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, 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	Art.-No.
Set R $\frac{1}{2}$ + $\frac{3}{4}$ + 1 + 1 $\frac{1}{4}$ + 1 $\frac{1}{2}$ + 2	540020
Set M 20 + 25 + 32 + 40 + 50 (M x 1,5)	540022

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



## Accessories

Description	Art.-No.
<b>Quick-change die heads, dies, attachment heads for button dies</b> , see page 30 – 31.	
<b>REMS Amigo 2 drive unit</b>	540000
<b>Support bracket Amigo 2</b>	543000
<b>REMS REG St <math>\frac{1}{4}</math> – 2"</b> , pipe deburrer, see page 99.	731700
<b>Dual purpose holder</b> for threading and sawing with REMS Amigo E, Amigo, Amigo 2 and REMS Tiger	543100
<b>Ratchet lever</b> see page 22.	522000
<b>Thread-cutting oil</b> see page 49.	
<b>REMS Nippelspanner <math>\frac{3}{8}</math> – 2"</b> see page 48.	
<b>Steel case with inlay</b>	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  $\frac{1}{8}$  – 2", 16 – 50 mm  
Bolt threads 6 – 30 mm,  $\frac{1}{4}$  – 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, 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  $\frac{3}{8}$  – 1" (2") (page 48).



German Quality Product



Info



## Supply format

**REMS Amigo 2 Compact Set.** Electric die stock with quick-change die heads. For pipe threads  $\frac{1}{8}$  – 2", 16 – 50 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, 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	Art.-No.
Set R $\frac{1}{2}$ + $\frac{3}{4}$ + 1 + 1 $\frac{1}{4}$	540023
Set R $\frac{1}{2}$ + $\frac{3}{4}$ + 1 + 1 $\frac{1}{4}$ + 1 $\frac{1}{2}$ + 2	540024
Set M 20 + 25 + 32 + 40 + 50 (M x 1,5)	540025

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



## Accessories

Description	Art.-No.
<b>Quick-change die heads, dies, attachment heads for button dies, see page 30 – 31.</b>	
<b>REMS Amigo 2 Compact drive unit</b>	540001
<b>Support bracket Amigo 2 Compact</b>	543010
<b>REMS REG St <math>\frac{1}{4}</math> – 2"</b> , pipe deburrer, see page 99.	731700
<b>Ratchet lever</b> see page 22.	522000
<b>Thread-cutting oil</b> see page 49.	
<b>REMS Nippelspanner <math>\frac{3}{8}</math> – 2"</b> see page 48.	
<b>Steel case with inlay</b>	546000



# REMS Amigo 22V

Cordless die stock with quick-change die heads

Powerful, mobile, handy electric tool for threading with unique support bracket. Ready for use any-where, without vice. Ideal for repair, renovation, job site. Li-Ion 22V Technology. For battery and corded operation.

Pipe threads	1/8 – 1", 16 – 32 mm
Bolt threads	6 – 30 mm, 1/4 – 1"

Thread types see page 30, 31.

**REMS Amigo 22V – mobile, handy, light.**

**Li-Ion 21.6V, 9.0 Ah battery, for approx. 52 3/4" threads with one battery charge\*.**

## 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. Mobile, handy, light. Drive unit with battery pack weighs only 5.6 kg. Practical D-shaped handle with soft grip. Perfect seating of quick-change die heads. Machine status check with overload protection of the drive unit against too high currents, with overheating protection by motor temperature monitoring (NTC), with electronic battery charging status check by a 2-coloured green/red LED.

## Drive

Solid, maintenance-free gear. Powerful battery motor 21.6V, with large power reserve, 500W output. High cutting speed 27 – 20 rpm. Safety tip switch.

## Battery or mains operation

Li-Ion 22V Technology. Highly resistant Li-Ion 21.6V batteries with 9.0Ah capacity for long service life. Light and powerful, for 52 3/4" threads with one battery charge\*. Graduated charging status check by coloured LEDs. Operating temperature range –10 to +60 °C. No memory effect for maximum battery power. Rapid charger 100 – 240V, 90 W. Rapid charger 100 – 240V, 290 W, for shorter charging times, as accessory. Voltage supply 220 – 240V/21.6V, 40A output, for mains operation instead of Li-Ion battery 21.6 V, as accessory.

## 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



Info



## Supply format

**REMS Amigo 22V Set.** Cordless die stock with quick-change die heads. For pipe threads  $\frac{1}{8}$ –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 battery motor 21.6V, 500 W. Safety switch. Right and left-hand rotation, machine status check with overload protection, temperature monitoring, battery charging status check. Li-Ion 21.6V, 9.0Ah battery, 100–240V, 50–60 Hz, 90 W rapid charger. 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	Art.-No.
<b>Set R <math>\frac{1}{2}</math> + <math>\frac{3}{4}</math> + 1</b>	530015
<b>Set M 20 + 25 + 32</b>	530016

REMS Amigo 22V Set for NPT threads available.  
Other voltages on request.



## Accessories

Description	Art.-No.
<b>Quick-change die heads, dies, attachment heads for button dies, see page 30–31.</b>	
<b>REMS Akku-Amigo 22V drive unit, without battery</b>	530004
<b>Support bracket Amigo 2 Compact</b>	543010
<b>Battery Li-Ion 21.6V, 9.0Ah</b>	571583
<b>Rapid charger 100–240V, 50–60 Hz, 90W</b>	571585
<b>Rapid charger 100–240V, 50–60 Hz, 290W</b>	571587
<b>Voltage supply 220–240V/21.6V, 50–60 Hz, 40A, for mains operation instead of battery Li-Ion 21.6V</b>	571578
<b>REMS REG St <math>\frac{1}{4}</math>–2", pipe deburrer, see page 99.</b>	731700
<b>Ratchet lever see page 22.</b>	522000
<b>Thread-cutting oil see page 49.</b>	
<b>REMS Nippelspanner <math>\frac{3}{8}</math>–2" see page 48.</b>	
<b>Steel case with inlay</b>	566030
<b>REMS Lumen 2800 22V, cordless LED flood light, see page 111</b>	



# 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	Art.-No.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 1/8	521000
	R 1/4	521010
	R 3/8	521020
	R 1/2	521030
	R 3/4	521040
	R 1	521050
	R 1 1/4	521060
	R 1 1/2	521070
	R 2	521080
Pipe threads R tapered, left-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 1/8 LH	521100
	R 1/4 LH	521110
	R 3/8 LH	521120
	R 1/2 LH	521130
	R 3/4 LH	521140
	R 1 LH	521150
	R 1 1/4 LH	521160
	R 1 1/2 LH	521170
R 2 LH	521180	
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT 1/8	521200
	NPT 1/4	521210
	NPT 3/8	521220
	NPT 1/2	521230
	NPT 3/4	521240
	NPT 1	521250
	NPT 1 1/4	521260
	NPT 1 1/2	521270
	NPT 2	521280
Threads M for electric conduit EN 60423	M 16 x 1.5	521300
	M 20 x 1.5	521310
	M 25 x 1.5	521320
	M 32 x 1.5	521330
	M 40 x 1.5	521340
	M 50 x 1.5	521350



Right-hand pipe thread



Left-hand pipe thread

German Quality Product

# REMS dies

Accessories for REMS die stocks

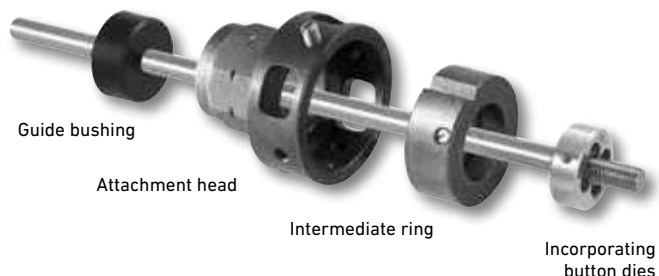
## REMS dies

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.

Thread type	Size	Art.-No.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 1/8	521002
	R 1/4	521012
	R 3/8	521022
	R 1/2	521032
	R 3/4	521042
	R 1	521052
	R 1 1/4	521062
	R 1 1/2	521072
	R 2	521082
Pipe threads R tapered, left-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 1/8 LH	521102
	R 1/4 LH	521112
	R 3/8 LH	521122
	R 1/2 LH	521132
	R 3/4 LH	521142
	R 1 LH	521152
	R 1 1/4 LH	521162
	R 1 1/2 LH	521172
R 2 LH	521182	
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT 1/8	521202
	NPT 1/4	521212
	NPT 3/8	521222
	NPT 1/2	521232
	NPT 3/4	521242
	NPT 1	521252
	NPT 1 1/4	521262
	NPT 1 1/2	521272
	NPT 2	521282
Threads M for electric conduit EN 60423	M 16 x 1.5	521302
	M 20 x 1.5	521312
	M 25 x 1.5	521322
	M 32 x 1.5	521332
	M 40 x 1.5	521342
	M 50 x 1.5	521352



German Quality Product



**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	Art.-No.
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**

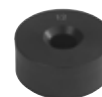
Intermediate rings for different outside diameters of button dies.

Description	Size	I.D. mm	Art.-No.
Intermediate rings to attachment head 731200	M 6-9	20/25	731205
	M 10-11	30	731210
	M 12-14 (Pg 7-9)	38	731220
	M 16-20 (Pg 11-13,5)	45	731230
	M 22-24 (Pg 16)	55	731240
without intermediate ring	M 27-30 (Pg 21-29)	65	
Intermediate rings to attachment head 541401	Ø 65/105 (Pg 21-29)	65	541404
	Ø 75/105	75	541406
	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	Art.-No.
Guide bushings to attachment head 731200	Ø 6	731301
	Ø 8	731302
	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
Ø 28.6 (Pg 21)	731325	
Ø 37.3 (Pg 29)	731326	
Guide bushings to attachment head 541401	Ø 28.6 (Pg 21)	541413
	Ø 37.3 (Pg 29)	541414
	Ø 47.3 (Pg 36)	541415
	Ø 54.3 (Pg 42)	541416



German Quality Product

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

Pipe threads	(1/16) 1/8–2", 16–63 mm
Bolt threads	(6) 10–60 mm, 1/4–2"

Thread types see page 40.

Pipe grooving with REMS roll grooving attachment	DN 25–200 1–8"
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### 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 positioning.

#### 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. 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.

#### 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. Collets are available for clamping pipes <math>\varnothing 1/8''</math> and bolts <math>< \varnothing 10\text{ mm}</math>.

#### 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

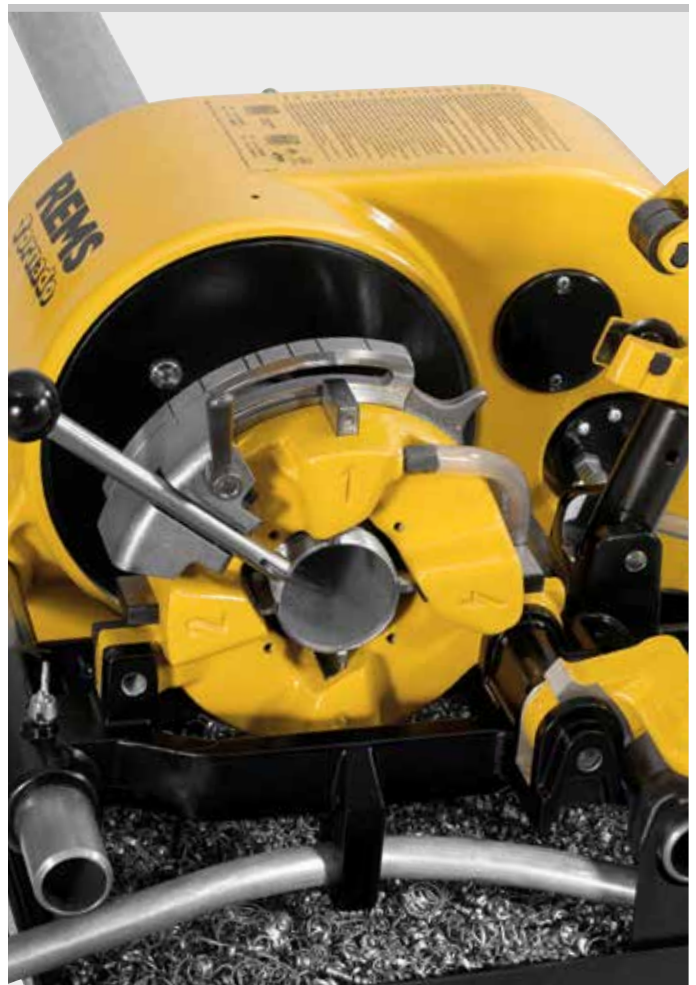
Robust, easy-to-handle deburring device with adjustable deburring positioning. Specially hardened and designed deburring blade ensures easy deburring and extremely long service life. Two cutting edges for optimum chip flow, specially for small diameters.

#### 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.

#### Nipple-threading

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



German Quality Product



Info



Choice of 3 powerful motors.





### 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).  
Roll grooving with REMS Tornado up to DN 200, 8".



Version T

Wheel stand (accessory)



Version T

Collapsible wheel stand (Accessory)

### Supply format

**REMS Tornado.** Threading machine for pipe threads ( $\frac{1}{16}$ – $2''$ ), 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.

Description	Version	Art.-No.
<b>2000</b>	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm. Portable, 3 legs.	340200
<b>2010</b>	Pole-reversible capacitor, motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running. Portable, 3 legs.	340201
<b>2020</b>	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
<b>2000 T</b>	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm. For work bench, stand or wheel stand.	340206
<b>2010 T</b>	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
<b>2020 T</b>	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

Other voltages and NPT versions on request.

### Accessories

Description	Art.-No.
<b>Stand</b>	344105
<b>Wheel stand with material shelf</b>	344100
<b>Collapsible wheel stand</b>	344150
<b>Dies</b> see page 40.	
<b>Universal automatic die head <math>\frac{1}{16}</math>–<math>2''</math></b> quick-change die head instead of changing the dies	341000
<b>REMS cutter wheel St <math>\frac{1}{8}</math>–<math>4''</math>, s 8</b>	341614
<b>Thread-cutting oil</b> see page 49.	
<b>Nipple holder</b> see page 48.	
<b>REMS Herkules</b> material supports, see page 107.	
<b>REMS roll grooving attachment</b> for pipe grooving, see page 50.	347000



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	(1/16) 1/8 – 2", 16 – 63 mm
Bolt threads	(6) 8 – 60 mm, 1/4 – 2"

Thread types see page 40.

Grooving of pipes with REMS roll grooving attachment	DN 25 – 300 1 – 12"
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### 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 62 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. Collets are available for clamping pipes <math>\varnothing 1/8''</math> and bolts <math>< \varnothing 8 \text{ mm}</math>.

#### 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. 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.

#### 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



Info



Choice of 3 powerful motors.





Stand (Accessory)



Wheel stand (accessory)



Collapsible wheel stand (Accessory)

### Supply format

**REMS Magnum.** Threading machine for pipe threads ( $\frac{1}{16}$ )  $\frac{1}{8}$ –2", 16–63 mm, bolt thread (6) 8–60 mm,  $\frac{1}{4}$ –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 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  $\frac{1}{2}$ – $\frac{3}{4}$ " 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.

Description	Version	Art.-No.
<b>2000 L-T</b>	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm.	340226
<b>2010 L-T</b>	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running.	340227
<b>2020 L-T</b>	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running.	340228
<b>2000 T*</b>	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm.	340220
<b>2010 T*</b>	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running.	340221
<b>2020 T*</b>	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running.	340222

Other voltages and NPT versions on request.

\*T versions with REMS roll grooving device for roll grooving can only be used up to DN 200, 8".

### Accessories

Description	Art.-No.
<b>Stand</b>	344105
<b>Wheel stand</b> with material shelf	344100
<b>Collapsible wheel stand</b>	344150
<b>Dies</b> see page 40.	
<b>Universal automatic die head</b> $\frac{1}{16}$ –2" quick-change die head instead of changing the dies	341000
<b>Changeover valve</b> , for reversing flow direction of the coolant-lubricant pump for cutting left-handed threads with REMS Magnum 2010, 2020, 3010, 3020, 4010 and 4020	342080
<b>REMS cutter wheel</b> St $\frac{1}{8}$ –4", s 8	341614
<b>Thread-cutting oil</b> see page 49.	
<b>Nipple holder</b> see page 48.	
<b>REMS Herkules</b> material supports, see page 107.	
<b>REMS roll grooving attachment</b> for pipe grooving, see page 50.	347000



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	(1/16) 1/2–3", 16–63 mm
Bolt threads	(6) 18–60 mm, 1/2–2"

Thread types see page 40.

Pipe grooving with REMS roll grooving attachment	DN 25–300 1–12"
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**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.

#### Choice of 3 powerful motors:

- 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. Collets are available for clamping pipes <math>\varnothing</math> 1/2" and bolts <math>\varnothing</math> 18 mm.

### 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 1/2–3" for all threads, including long threads; automatic opening with automatic thread-length-stop for tapered threads. 5 dies 2 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 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.

### Tool sets

For 2 1/2–3" and 1/2–2" 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.



### 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 ½–3" (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) ½–3", 16–63 mm, bolt threads (6) 18–60 mm, ½–2". 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 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.

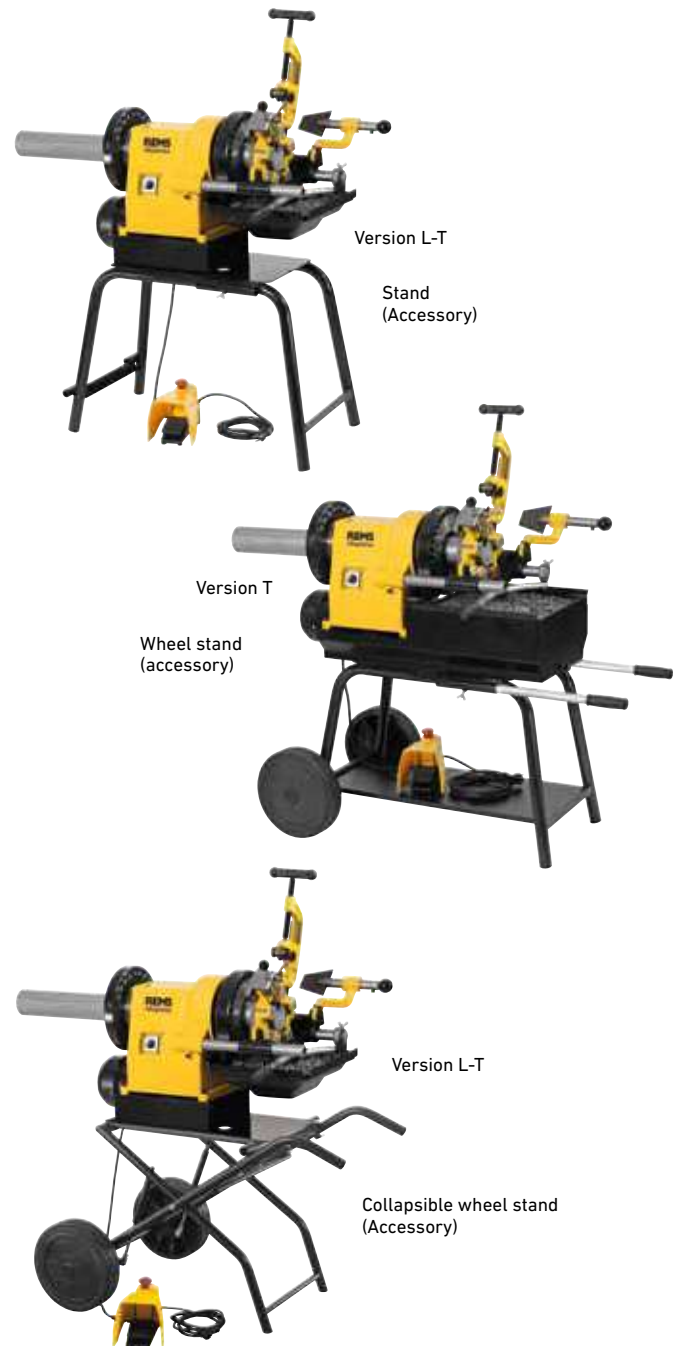
Description	Version/Equipment	Art.-No.
<b>3000 L-T</b>	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 23 rpm. <b>Equipment R 2½–3</b>	380303
	<b>Equipment R ½–3</b>	380309
<b>3010 L-T</b>	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 20/10 rpm, also under full load. Extremely quiet running. <b>Equipment R 2½–3</b>	380304
	<b>Equipment R ½–3</b>	380310
<b>3020 L-T</b>	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 20/10 rpm, also under full load. Extremely quiet running. <b>Equipment R 2½–3</b>	380305
	<b>Equipment R ½–3</b>	380311
<b>3000 T*</b>	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 23 rpm. <b>Equipment R 2½–3</b>	380306
	<b>Equipment R ½–3</b>	380312
<b>3010 T*</b>	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 20/10 rpm, also under full load. Extremely quiet running. <b>Equipment R 2½–3</b>	380307
	<b>Equipment R ½–3</b>	380313
<b>3020 T*</b>	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 20/10 rpm, also under full load. Extremely quiet running. <b>Equipment R 2½–3</b>	380308
	<b>Equipment R ½–3</b>	380314

Other voltages and NPT versions on request.

\*T versions with REMS roll grooving device for roll grooving can only be used up to DN 200, 8".

### Accessories

Description	Art.-No.
<b>Stand</b>	344105
<b>Wheel stand</b> with material shelf	344100
<b>Collapsible wheel stand</b>	344150
<b>Dies</b> see page 40.	
<b>Tool set R ½–2" complete</b> with universal automatic die head 1/16–2", dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R ½–¾" and R 1–2" right-hand, pipe cutter, inner pipe deburrer, pressing lever.	340100
<b>Universal automatic die head</b> 1/16–2" and others	341000
<b>Universal automatic die head</b> 2½–3"	381050
<b>Universal automatic die head</b> 2½–4"	381000
<b>Changeover valve</b> , for reversing flow direction of the coolant-lubricant pump for cutting left-handed threads with REMS Magnum 2010, 2020, 3010, 3020, 4010 and 4020	342080
<b>REMS cutter wheel</b> St ½–4", s 8	341614
<b>REMS cutter wheel</b> St 1–4", s 12	381622
<b>Thread-cutting oil</b> see page 49.	
<b>Nipple holder</b> see page 48.	
<b>REMS Herkules</b> material supports, see page 107.	
<b>REMS roll grooving attachment</b> for pipe grooving, see page 50.	347000



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 (1/16) 1/2–4", 18–63 mm  
Bolt threads (6) 20–60 mm, 1/2–2"

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.

#### Choice of 3 powerful motors:

- 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. Collets are available for clamping pipes <math>\varnothing 1/2''</math> and bolts <math>\varnothing 18\text{ mm}</math>.

### 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 1/2–4" for all threads, including long threads; automatic opening with automatic thread-length-stop for tapered threads. 6 dies 2 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 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.

### Tool sets

For 2 1/2–4" and 1/2–2" 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



Info



Choice of 3 powerful motors.



### 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 ½–4" or with manual internal clamping REMS Nippelspanner ¾–2" (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 (1/16) ½–4", 16–63 mm, bolt threads (6) 18–60 mm, ½–2". 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 2 1/2–4", 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	Art.-No.
<b>4000 L-T</b>	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 23 rpm.	
	<b>Equipment R ½–2</b>	380447
	<b>Equipment R 2 1/2–4</b>	380441
	<b>Equipment R ½–4</b>	380444
<b>4010 L-T</b>	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 20/10 rpm, also under full load. Extremely quiet running.	
	<b>Equipment R ½–2</b>	380448
	<b>Equipment R 2 1/2–4</b>	380442
	<b>Equipment R ½–4</b>	380445
<b>4020 L-T</b>	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 20/10 rpm, also under full load. Extremely quiet running.	
	<b>Equipment R 2 1/2–4</b>	380443
	<b>Equipment R ½–4</b>	380446
<b>4000 T*</b>	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 23 rpm.	
	<b>Equipment R 2 1/2–4</b>	380426
	<b>Equipment R ½–4</b>	380429
<b>4010 T*</b>	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 20/10 rpm, also under full load. Extremely quiet running.	
	<b>Equipment R 2 1/2–4</b>	380427
	<b>Equipment R ½–4</b>	380430
<b>4020 T*</b>	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 20/10 rpm, also under full load. Extremely quiet running.	
	<b>Equipment R 2 1/2–4</b>	380428
	<b>Equipment R ½–4</b>	380431

Other voltages and NPT versions on request.

\*T versions with REMS roll grooving device for roll grooving can only be used up to DN 200, 8".

### Accessories

Description	Art.-No.
<b>Stand</b>	344105
<b>Wheel stand</b> with material shelf	344100
<b>Collapsible wheel stand</b>	344150
<b>Dies</b> see page 40.	
<b>Tool set R ½–2" complete</b> with universal automatic die head 1/16–2", dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R ½–¾" and R 1–2" right-hand, pipe cutter, inner pipe deburrer, pressing lever.	340100
<b>Universal automatic die head 1/16–2" and others</b>	341000
<b>Universal automatic die head 2 1/2–4"</b>	381000
<b>Changeover valve</b> , for reversing flow direction of the coolant-lubricant pump for cutting left-handed threads with REMS Magnum 2010, 2020, 3010, 3020, 4010 and 4020	342080
<b>REMS cutter wheel St 1/8–4", s 8</b>	341614
<b>REMS cutter wheel St 1–4", s 12</b>	381622
<b>Thread-cutting oil</b> see page 49.	
<b>Nipple holder</b> see page 48.	
<b>REMS Herkules material supports</b> , see page 107.	
<b>REMS roll grooving attachment</b> for pipe grooving, see page 50.	347000

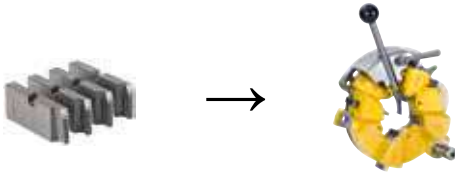


## REMS dies (set)

The proven 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 materials < 500 N/mm<sup>2</sup> (MPa) for extremely long die life.

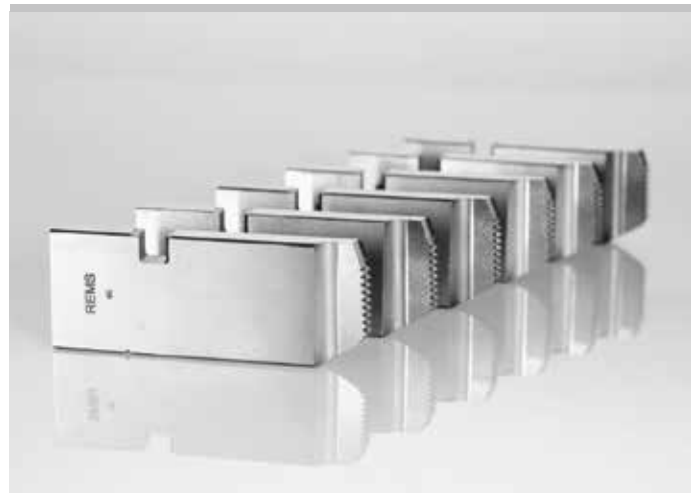
Dies for other threads (e.g. BSW) on request. HSS dies for materials that are difficult to cut ≥ 500 N/mm<sup>2</sup> (MPa) 50 % surcharge.

<sup>1)</sup> Some dies only available in HSS.

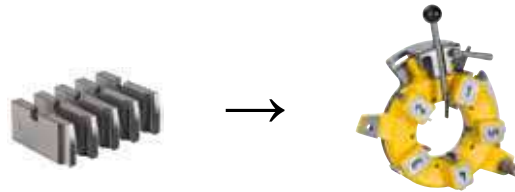


### For universal automatic die head 1/16 – 2"

Thread type	Size	Art.-No.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 1/16 – 1/8 HSS <sup>1)</sup>	341401
	R 1/4 – 3/8	341402
	R 1/2 – 3/4	341403
	R 1 – 2	341404
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	G 1/16 – 1/8	341406
	G 1/4 – 3/8	341407
	G 1/2 – 3/4	341408
	G 1 – 2	341409
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT 1/16 – 1/8 HSS <sup>1)</sup>	341411
	NPT 1/4 – 3/8	341412
	NPT 1/2 – 3/4	341413
	NPT 1 – 2	341414
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1.20.1	NPSM 1/8	341416
	NPSM 1/4 – 3/8	341417
	NPSM 1/2 – 3/4 HSS <sup>1)</sup>	341418
	NPSM 1 – 2 HSS <sup>1)</sup>	341419
Conduit threads Pg DIN 40430	Pg 7	341466
	Pg 9	341467
	Pg 11	341468
	Pg 13.5	341469
	Pg 16	341470
	Pg 21	341471
	Pg 29	341472
	Pg 36	341473
	Pg 42	341474
	Pg 48	341475
Conduit threads M EN 60423	M 16 x 1.5	341493
	M 20 x 1.5	341494
	M 25 x 1.5	341495
	M 32 x 1.5	341496
	M 40 x 1.5	341497
	M 50 x 1.5	341498
	M 63 x 1.5	341499
Metric bolt threads M ISO 261 (DIN 13)	M 6	341426
	M 8	341427
	M 10	341428
	M 12	341429
	M 14	341430
	M 16	341431
	M 18	341432
	M 20	341433
	M 22	341434
	M 24	341435
	M 27	341436
	M 30	341437
	M 33	341438
	M 36	341439
	M 39	341440
	M 42	341441
	M 45	341442
	M 48	341443
	M 52	341444
	M 56 HSS <sup>1)</sup>	341445
M 60 HSS <sup>1)</sup>	341446	
Bolt threads UNC Unified Inch Screw Thread ASME B1.1	UNC 1/4 – 20 HSS <sup>1)</sup>	341476
	UNC 5/16 – 18	341477
	UNC 3/8 – 16 HSS <sup>1)</sup>	341478
	UNC 7/16 – 14	341479
	UNC 1/2 – 13 HSS <sup>1)</sup>	341480
	UNC 9/16 – 12	341481
	UNC 5/8 – 11 HSS <sup>1)</sup>	341482
	UNC 3/4 – 10 HSS <sup>1)</sup>	341483
	UNC 7/8 – 9 HSS <sup>1)</sup>	341484
	UNC 1 – 8 HSS <sup>1)</sup>	341485
	UNC 1 1/8 – 7	341486
	UNC 1 1/4 – 7 HSS <sup>1)</sup>	341487
	UNC 1 3/8 – 6	341488
	UNC 1 1/2 – 6 HSS <sup>1)</sup>	341489
	UNC 1 3/4 – 5	341490
UNC 2 – 4.5	341491	

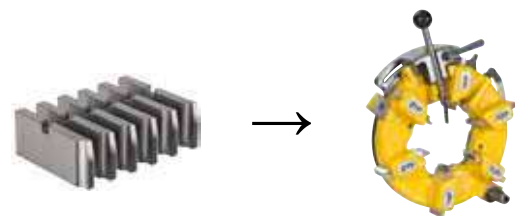


German Quality Product



### For universal automatic die head 2 1/2 – 3"

Thread type	Size	Art.-No.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 2 1/2 – 3	381430
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	G 2 1/2 – 3 HSS <sup>1)</sup>	381431
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT 2 1/2 – 3 HSS <sup>1)</sup>	381432
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1.20.1	NPSM 2 1/2 – 3 HSS <sup>1)</sup>	381433



### For universal automatic die head 2 1/2 – 4"

Thread type	Size	Art.-No.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 2 1/2 – 4	381401
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	G 2 1/2 – 4 HSS <sup>1)</sup>	381405
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT 2 1/2 – 4 HSS <sup>1)</sup>	381410
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1.20.1	NPSM 2 1/2 – 4 HSS <sup>1)</sup>	381415





**REMS**  
Unimat 77

**REMS**  
Unimat 75

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

Bolt threads	6 – 72 mm 1/4 – 2 3/4"	
Pipe threads	1/16 – 2 1/2", 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

Thread types see page 44.



German Quality Product

### 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 continuous 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 < 500 N/mm<sup>2</sup> (MPa). HSS chasers for hard-to-machine material ≥ 500 N/mm<sup>2</sup> (MPa). 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.

Machining examples



Info



### 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  $\frac{1}{16}$ – $1\frac{1}{4}$ " or with the automatic internal clamping REMS Nippelfix  $\frac{1}{2}$ – $2\frac{1}{2}$ " or with the manual internal clamping REMS Nippelspanner  $\frac{3}{8}$ – $2$ " (page 48).



### Supply format

**REMS Unimat 75 Basic.** Semi-automatic threading machine for bolt threads 6–72 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.

Description	Version	Art.-No.
<b>REMS Unimat 75 Basic mS</b>	manual clamping device	750003
<b>REMS Unimat 75 Basic pS</b>	oil-hydraulic/pneumatic vice clamping device	750004

Other voltages on request.

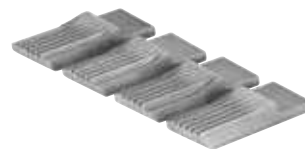
### Accessories

Description	Art.-No.
<b>Chasers and holders (threading sets) and chasers</b> see page 44.	
<b>Universal automatic die head</b> , without threading sets, without closing lever	751000
<b>Closing lever</b> for closing and opening the chasers	
<b>R</b> for taper pipe threads, right-hand	751040
<b>R-L</b> for taper pipe threads, left-hand	751050
<b>G</b> for cylindrical pipe threads, right-hand	751060
<b>G-L</b> for cylindrical pipe threads, left-hand	751070
<b>M</b> for all bolt threads, right-hand	751080
<b>M-L</b> for all bolt threads, left-hand	751090
<b>Chamfering/peeling die head 45°, Ø 7–62 mm</b> , with chamfering/peeling chasers 45°, Ø 7–62 mm, HSS, with holder	751100
<b>Chamfering/peeling die head 45°, Ø 7–62 mm</b> , without threading sets	751102
<b>Chamfering/peeling chasers 45°, Ø 7–46 mm</b> , HSS, with holder	751096
<b>Chamfering/peeling chasers 45°, Ø 40–62 mm</b> , HSS, with holder	751098
<b>Chamfering/peeling chasers 45°, Ø 7–62 mm</b> , pack of 4, with holder	751097
<b>Special clamping jaws, pair</b> , for drawn material, stud bolts and hex screws. Workpiece length protrude from vice without thread, minimum 15 mm, Ø 6–42 mm	753240
<b>Thread-cutting oil</b> see page 49.	
<b>Nipple holder</b> see page 48.	
<b>REMS Herkules material supports</b> , see page 107.	





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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 < 500 N/mm<sup>2</sup> (MPa). HSS chasers for hard-to-machine material ≥ 500 N/mm<sup>2</sup> (MPa). The chasers sit in a special holder system. Chasers and holders together form a threading set.

Thread type	Size	Art.-No.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 1/16 - 1/8	759250
	R 1/4 - 3/8	759251
	R 1/2 - 3/4	759252
	R 1 - 2	759253
	R 2 1/2	759254
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	G 1/16 - 1/8	759255
	G 1/4 - 3/8 HSS <sup>1)</sup>	759256
	G 1/2 - 3/4 HSS <sup>1)</sup>	759257
	G 1 - 2 HSS <sup>1)</sup>	759258
	G 2 1/2 HSS <sup>1)</sup>	759259
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1. 20.1	NPT 1/16 - 1/8	759360
	NPT 1/4 - 3/8 HSS <sup>1)</sup>	759361
	NPT 1/2 - 3/4 HSS <sup>1)</sup>	759362
	NPT 1 - 2 HSS <sup>1)</sup>	759363
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1. 20.1	NPSM 1/16 - 1/8	759365
	NPSM 1/4 - 3/8	759366
	NPSM 1/2 - 3/4 HSS <sup>1)</sup>	759367
	NPSM 1 - 2 HSS <sup>1)</sup>	759368
Conduit threads Pg DIN 40430	Pg 7	759260
	Pg 9 - 16	759261
	Pg 21 - 48	759262
Conduit threads M EN 60423	M 16 - 20 x 1.5	759263
	M 25 - 32 x 1.5	759264
	M 40 - 50 x 1.5	759265
	M 63 x 1.5 HSS <sup>1)</sup>	759330
Threads M for rebar ISO 261 (DIN 13)	M 14 - 16 HSS	759274
	M 18 - 22 HSS	759275
	M 24 - 27 HSS	759276
	M 30 - 33 HSS	759277
	M 36 - 39 HSS	759278
	M 42 - 45 HSS	759279
Metric bolt threads M ISO 261 (DIN 13)	M 6 HSS <sup>1)</sup>	759270
	M 8	759271
	M 10	759272
	M 12	759273
	M 14 - 16	759274
	M 18 - 22	759275
	M 24 - 27	759276
	M 30 - 33	759277
	M 36 - 39	759278
	M 42 - 45	759279
	M 48 - 52 HSS <sup>1)</sup>	759280
	M 56 - 60 HSS <sup>1)</sup>	759281
	M 64 - 72 HSS <sup>1)</sup>	759282
Bolt threads UNC Unified Inch Screw Thread ASME B1.1	UNC 1/4 - 20	759370
	UNC 5/16 - 18	759371
	UNC 3/8 - 16	759372
	UNC 7/16 - 14	759373
	UNC 1/2 - 13	759374
	UNC 9/16 - 12	759375
	UNC 5/8 - 11	759376
	UNC 3/4 - 10	759377
	UNC 7/8 - 9	759378
	UNC 1 - 8 HSS <sup>1)</sup>	759379
	UNC 1 1/8 - 7	759380
	UNC 1 3/8 - 6	759381
	UNC 1 3/4 - 5	759382
	UNC 2 - 2 1/4 - 4.5	759383
	UNC 2 1/2 - 2 3/4 - 4	759384

Dies for other threads (e.g. bicycle threads, fine threads, BSW) and HSS chaser dies for materials above 500 N/mm<sup>2</sup> (MPa) that are difficult to cut on request. Dies with HSS chaser dies with 50% surcharge on chaser dies. <sup>1)</sup> Some chasers only available in HSS. Threading sets for left-hand threads 50% extra charge on chasers.

### 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 < 500 N/mm<sup>2</sup> (MPa). HSS chasers for hard-to-machine material ≥ 500 N/mm<sup>2</sup> (MPa).

Thread type	Size	Art.-No.
Pipe threads R tapered, right-hand ISO 7-1, EN 10226 (DIN 2999, BSPT)	R 1/16 - 1/8	751501
	R 1/4 - 3/8	751502
	R 1/2 - 3/4	751503
	R 1 - 2 1/2	751504
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	G 1/16 - 1/8 HSS <sup>1)</sup>	751505
	G 1/4 - 3/8	751506
	G 1/2 - 3/4 HSS <sup>1)</sup>	751507
	G 1 - 2 1/2 HSS <sup>1)</sup>	751508
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1. 20.1	NPT 1/16 - 1/8	751544
	NPT 1/4 - 3/8 HSS <sup>1)</sup>	751545
	NPT 1/2 - 3/4 HSS <sup>1)</sup>	751546
	NPT 1 - 2 HSS <sup>1)</sup>	751547
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1. 20.1	NPSM 1/16 - 1/8	751549
	NPSM 1/4 - 3/8	751550
	NPSM 1/2 - 3/4 HSS <sup>1)</sup>	751551
	NPSM 1 - 2	751552
Conduit threads Pg DIN 40430	Pg 7	751509
	Pg 9 - 16	751510
	Pg 21 - 48	751511
Conduit threads M EN 60423	M 16 - 63 x 1.5 (M 10)	751518
Threads M for rebar ISO 261 (DIN 13)	M 14 - 16 HSS	751520
	M 18 - 22 HSS	751521
	M 24 - 27 HSS	751522
	M 30 - 33 HSS	751523
	M 36 - 39 HSS	751524
	M 42 - 45 HSS	751525
Metric bolt threads M ISO 261 (DIN 13)	M 6	751516
	M 8	751517
	M 10 (M 16 - 63 x 1.5)	751518
	M 12	751519
	M 14 - 16	751520
	M 18 - 22	751521
	M 24 - 27	751522
	M 30 - 33	751523
	M 36 - 39	751524
	M 42 - 45	751525
	M 48 - 52	751526
	M 56 - 60	751527
	M 64 - 72	751528
Bolt threads UNC Unified Inch Screw Thread ASME B1.1	UNC 1/4 - 20	751557
	UNC 5/16 - 18	751558
	UNC 3/8 - 16	751559
	UNC 7/16 - 14	751560
	UNC 1/2 - 13	751561
	UNC 9/16 - 12	751562
	UNC 5/8 - 11	751563
	UNC 3/4 - 10	751564
	UNC 7/8 - 9	751565
	UNC 1 - 8 HSS <sup>1)</sup>	751566
	UNC 1 1/8 - 7	751567
	UNC 1 3/8 - 6	751568
	UNC 1 3/4 - 5	751569
UNC 2 - 2 1/4 - 4.5	751570	
UNC 2 1/2 - 2 3/4 - 4	751571	

Chaser dies for other threads (e.g. bicycle threads, fine threads, BSW) and HSS chaser dies for materials above 500 N/mm<sup>2</sup> (MPa) that are difficult to cut on request. HSS chaser dies with 50% surcharge. <sup>1)</sup> Some chasers only available in HSS. Chasers for left-hand threads 50% extra charge.

# Thread tables

## Taper Pipe Threads

Whitworth Pipe Thread ISO 7-1, EN 10226 (DIN 2999, BSPT) External thread taper 1:16 Flank angle 55°		
Nominal Size <b>R</b> <b>BSPT</b>	Outside Ø of thread mm	T.P.I.
1/16	7.723	28
1/8	9.728	28
1/4	13.157	19
3/8	16.662	19
1/2	20.955	14
3/4	26.441	14
1	33.249	11
1 1/4	41.910	11
1 1/2	47.803	11
2	59.614	11
2 1/2	75.184	11
3	87.884	11
4	113.030	11

Standard Taper Pipe Thread NPT, ASME B 1.20.1 External thread taper 1:16 Flank angle 60°		
Nominal Size <b>NPT</b>	Outside Ø of thread mm	T.P.I.
1/16	7.938	27
1/8	10.287	27
1/4	13.716	18
3/8	17.145	18
1/2	21.336	14
3/4	26.670	14
1	33.401	11.5
1 1/4	42.164	11.5
1 1/2	48.260	11.5
2	60.325	11.5
2 1/2	73.025	8
3	88.900	8
3 1/2	101.600	8
4	114.300	8

Whitworth Pipe Thread ISO 228-1 (DIN 259, BSPP) External thread parallel Flank angle 55°		
Nominal Size <b>G</b> <b>BSPP</b>	Outside Ø of thread mm	T.P.I.
1/16	7.723	28
1/8	9.728	28
1/4	13.157	19
3/8	16.662	19
1/2	20.955	14
3/4	26.441	14
1	33.249	11
1 1/4	41.910	11
1 1/2	47.803	11
2	59.614	11
2 1/2	75.184	11
3	87.884	11
3 1/2	100.330	11
4	113.030	11

## Parallel Pipe Threads

Straight Pipe Thread for Fixtures NPSM, ASME B 1.20.1 External thread parallel Flank angle 60°		
Nominal Size <b>NPSM</b>	Outside Ø of thread mm	T.P.I.
1/8	10.083	27
1/4	13.360	18
3/8	16.815	18
1/2	20.904	14
3/4	26.264	14
1	32.842	11.5
1 1/4	41.605	11.5
1 1/2	47.676	11.5
2	59.715	11.5
2 1/2	72.161	8
3	88.062	8
3 1/2	100.787	8
4	113.436	8

## Metric Bolt Thread

Metric ISO Thread ISO 261 (DIN 13) External thread Flank angle 60°		
Nominal Size <b>M</b>	Outside Ø of thread mm	Pitch mm
6	5.974	1
8	7.972	1.25
10	9.968	1.5
12	11.966	1.75
14	13.962	2
16	15.962	2
18	17.958	2.5
20	19.958	2.5
22	21.958	2.5
24	23.952	3
27	26.952	3
30	29.947	3.5
33	32.947	3.5
36	35.940	4
39	38.940	4
42	41.937	4.5
45	44.937	4.5
48	47.929	5
52	51.929	5
56	55.925	5.5
60	59.925	5.5
64	63.920	6
68	67.920	6
72	71.920	6

## American and British Bolt Threads

Unified Inch Screw Thread UNC, ASME B 1.1 External thread Flank angle 60°		
Nominal Size <b>UNC</b>	Outside Ø of thread mm	T.P.I.
1/4	6.322	20
5/16	7.907	18
3/8	9.491	16
7/16	11.076	14
1/2	12.661	13
9/16	14.246	12
5/8	15.834	11
3/4	19.004	10
7/8	22.176	9
1	25.349	8
1 1/8	28.519	7
1 1/4	31.694	7
1 3/8	34.864	6
1 1/2	38.039	6
1 3/4	44.381	5
2	50.726	4.5
2 1/4	57.076	4.5
2 1/2	63.421	4
2 3/4	69.768	4

British Standard Parallel Screw Thread of Whitworth Form B.S.W. BS 84 (obsolete): External thread Flank angle 55°		
Nominal Size <b>BSW</b>	Outside Ø of thread mm	T.P.I.
1/4	6.350	20
5/16	7.937	18
3/8	9.525	16
7/16	11.112	14
1/2	12.700	12
5/8	15.875	11
3/4	19.050	10
7/8	22.225	9
1	25.400	8
1 1/8	28.575	7
1 1/4	31.750	7
1 1/2	38.100	6
1 3/4	44.450	5
2	50.800	4.5
2 1/4	57.150	4
2 1/2	63.500	4
2 3/4	69.850	3.5

## Threads for Electric Conduit

Conduit Thread DIN 40 430 External thread parallel Flank angle 80°		
Nominal Size <b>Pg</b>	Outside Ø of thread mm	T.P.I.
7	12.5	20
9	15.2	18
11	18.6	18
13.5	20.4	18
16	22.5	18
21	28.3	16
29	37	16
36	47	16
42	54	16
48	59.3	16

Conduit Thread EN 60423 External thread parallel Flank angle 60°		
Nominal Size <b>M</b>	Outside Ø of thread mm	Pitch mm
16	15.968	1.5
20	19.968	1.5
25	24.968	1.5
32	31.968	1.5
40	39.968	1.5
50	49.968	1.5
63	62.968	1.5

Outside diameter of thread is always the maximum diameter, for taper pipe threads this is measured at the scale line.

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

Pipe threads	¼ – 4"
Thread length	≤ 120 mm

**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 continuous 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 of material with specially toothed and hardened clamping jaws (¼ – ¾", 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 < 500 N/mm<sup>2</sup> (MPa). HSS chasers for hard-to-machine material ≥ 500 N/mm<sup>2</sup> (MPa). 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 ½ – 4" or with the manual internal clamping REMS Nippelspanner ¾ – 2" (page 48).



German Quality Product

Machining examples



Info





### Supply format

**REMS Unimat 77 Basic.** Semi-automatic threading machine for pipe threads ¼ – 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	Art.-No.
<b>REMS Unimat 77 Basic mS</b>	manual clamping device	770003
<b>REMS Unimat 77 Basic pS</b>	Oil-hydraulic/pneumatic vice clamping device	770004

Other voltages on request.

### Accessories

#### Chasers and holders (threading set)

Thread type	Size	Art.-No.
Pipe threads R tapered, right-hand ISO 7-1 (EN 10226, DIN 2999, BSPT)	R ¼ – ¾	771110
	R ½ – ¾	771120
	R 1 – 2	771130
	R 2½ – 4	771140
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	G ¼ – ¾	771160
	G ½ – ¾ HSS <sup>1)</sup>	771170
	G 1 – 2 HSS <sup>1)</sup>	771180
	G 2½ – 4 HSS <sup>1)</sup>	771190
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT ¼ – ¾	771210
	NPT ½ – ¾ HSS <sup>1)</sup>	771220
	NPT 1 – 2 HSS <sup>1)</sup>	771230
	NPT 2½ – 4 HSS <sup>1)</sup>	771240
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1.20.1	NPSM ¼ – ¾	771260
	NPSM ½ – ¾ HSS <sup>1)</sup>	771270
	NPSM 1 – 2	771280

#### Chasers (set)

Thread type	Size	Art.-No.
Pipe threads R tapered, right-hand ISO 7-1 (EN 10226, DIN 2999, BSPT)	R ¼ – ¾	751502
	R ½ – ¾	751503
	R 1 – 4	771136
Pipe threads G parallel, right-hand ISO 228-1 (DIN 259, BSPP)	G ¼ – ¾ HSS <sup>1)</sup>	751506
	G ½ – ¾ HSS <sup>1)</sup>	751507
	G 1 – 4 HSS <sup>1)</sup>	771186
Pipe threads NPT tapered, right-hand Taper Pipe Thread ASME B1.20.1	NPT ¼ – ¾ HSS <sup>1)</sup>	751545
	NPT ½ – ¾ HSS <sup>1)</sup>	751546
	NPT 1 – 2 HSS <sup>1)</sup>	751547
	NPT 2½ – 4 HSS <sup>1)</sup>	771246
Pipe threads NPSM parallel, right-hand Straight Pipe Thread ASME B1.20.1	NPSM ¼ – ¾	751550
	NPSM ½ – ¾ HSS <sup>1)</sup>	751551
	NPSM 1 – 2	751552

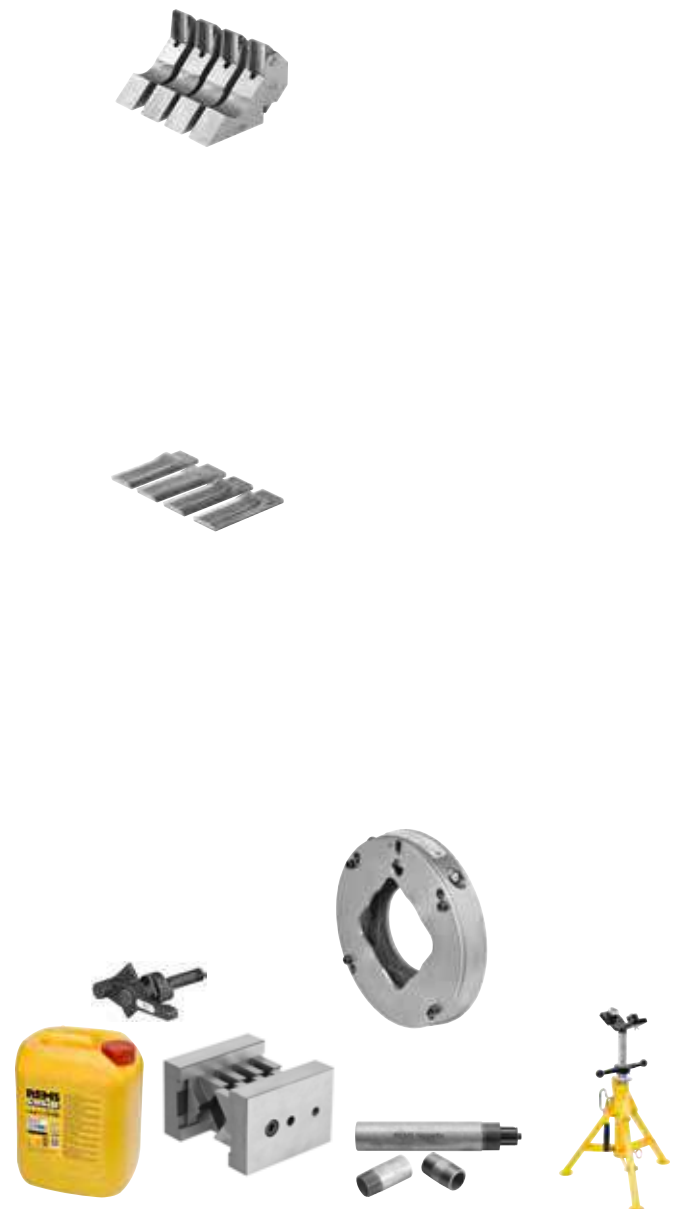
Dies and chaser dies for other threads and HSS chaser dies for materials above 500 N/mm<sup>2</sup> (MPa) that are difficult to cut on request. Dies and HSS chaser dies with 50% surcharge on chaser dies. <sup>1)</sup>Some threading sets and chasers only available in HSS. Threading sets and chasers for left-hand threads 50% extra charge.

Description	Art.-No.
<b>Universal automatic die head,</b> without threading sets, without closing lever	771000
<b>Closing lever</b> for closing and opening the chasers	
<b>R</b> for taper pipe threads, right-hand	751040
<b>R-L</b> for taper pipe threads, left-hand	751050
<b>G</b> for cylindrical pipe threads, right-hand	751060
<b>G-L</b> for cylindrical pipe threads, left-hand	751070
<b>Clamping jaws ¼ – ¾" (pack of 2)</b>	773060

**Thread-cutting oil** see page 49.

**Nipple holder** see page 48.

**REMS Herkules material supports,** see page 107.



# 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 Amigo E, REMS Amigo, REMS Amigo 2, REMS Amigo 2 Compact, REMS Amigo 22V, 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.

Description	Size	Art.-No.
<b>REMS Nippelspanner</b>	3/8"	110000
	1/2"	110100
	3/4"	110200
	1"	110300
	1 1/4"	110400
	1 1/2"	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	Art.-No.
<b>Set 1/2 + 3/4 + 1 + 1 1/4"</b>	110620
<b>Set 1/2 + 3/4 + 1 + 1 1/4 + 1 1/2 + 2"</b>	110621



German Quality Product



# REMS Nippelfix

Accessories for threading machines with opening die head

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 Nippelfix out of the clamping device.

Internal clamping, so no thread required for clamping.

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	Art.-No.
<b>REMS Nippelfix</b>	1/2"	111000
	3/4"	111100
	1"	111200
	1 1/4"	111300
	1 1/2"	111400
	2"	111500
	2 1/2"	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.

Description	Art.-No.
<b>Set 1/2 + 3/4 + 1 + 1 1/4"</b>	111620
<b>Set 1/2 + 3/4 + 1 + 1 1/4 + 1 1/2 + 2"</b>	111621



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# REMS Spezial

Thread-cutting oil

High-alloyed mineral oil based thread-cutting oil.  
For all materials.

For drinking water supplies, comply with local regulations! Mineral oil based thread cutting materials are not permitted for drinking water pipes in AUT, CHE, DEU, DNK and FRA for example.

**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.

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.



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## Supply format

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

Description	Packing	Art.-No.
<b>REMS Spezial</b>	5 l can	140100
	10 l can	140101
	50 l barrel	140103
	600 ml spray	140105
	500 ml squirt bottle	140106

# REMS Sanitol

Thread-cutting oil

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

**REMS Sanitol – mineral oil-free, ethanol-free. Completely water soluble. High lubricating and cooling effect.**

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.

Completely water soluble. Mineral oil-free, ethanol-free. Therefore no negative influence on the drinking water in terms of appearance, smell and taste.

Red in colour for flushing control. Perfect corrosion protector.

Viscosity at -10°C: ≤ 250 mPa s (cP). Pumpable to -28°C.

Also well suited as a cooling lubricant for sawing metals.

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

REMS Sanitol squirt bottle without propellants. Refillable.



German Quality Product

## Supply format

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

Description	Packing	Art.-No.
<b>REMS Sanitol</b>	5 l can	140110
	50 l barrel	140113
	600 ml spray	140115
	500 ml squirt bottle	140116



DW-0201 AS2032



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# 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 1 – 1½", 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



Info



## 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	Art.-No.
<b>REMS roll grooving attachment</b>	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
<b>Roll grooving attachment R 300</b>	Ridgid 300	347001

<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 up to DN 200, 8" on T versions.

Roll grooving attachments for other makes on request.

## Accessories

Description	Art.-No.
<b>Grooving rollers 1 – 1½"</b> (pair), for steel pipes	347030
<b>Grooving rollers INOX 1 – 1½"</b> (pair), for stainless steel pipes	347053
<b>Grooving rollers 2 – 6"</b> (pair), for steel pipes	347035
<b>Grooving rollers INOX 2 – 6"</b> (pair), for stainless steel pipes	347046
<b>Grooving rollers 8 – 12"</b> (set), for steel pipes	347040
<b>Grooving rollers INOX 8 – 12"</b> (pair), for stainless steel pipes	347047
<b>Grooving rollers Cu 54 – 159</b> (pair) for Cu pipes	347034
<b>Conversion kit Amigo / Amigo 2 / Amigo 2 Compact / Amigo 22V</b>	347007

REMS Herkules material supports, see page 107.



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.

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

Stainless steel pipes, copper, aluminium, PVC pipes

**REMS Collum – 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 or wheel stand as an accessory, for easy transport, optimum working height and stable positioning.

### Drive

Fast and powerful, e.g. roll grooving of 6" steel pipe with REMS Collum in just 52 s. Sturdy, compact gear, maintenance-free. Robust, powerful 1200 W universal motor (REMS Collum and REMS Collum 2 Compact) or 1700 W universal motor (REMS Collum 2) for intensive use at large dimensions. Safety switch. Foot switch with coupling 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 1 – 1½", 2 – 6" and 8 – 12". Grooving rollers for aluminium, PVC pipes on request.

### Material support

Extra sturdy REMS Herkules XL 12" material support for roll grooving of pipes up to 12" (page 107).



German Quality Product



Info



Wheel stand (Accessory)

Herkules 3B (Accessory)

### Supply format

**REMS Collum.** 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, stand or wheel stand. In a carton.

Description	Version	Art.-No.
<b>Collum</b>	Universal motor 230 V, 50 – 60 Hz, 1200 W, overload protection. 29 min <sup>-1</sup>	347006
<b>Collum 2</b>	Universal motor 230 V, 50 – 60 Hz, 1700 W. 28 min <sup>-1</sup>	347008
<b>Collum 2 Compact</b>	Universal motor 230 V, 50 – 60 Hz, 1200 W, overload protection. 26 min <sup>-1</sup>	347009

Other voltages on request.

### Accessories

Description	Art.-No.
<b>Stand</b>	849315
<b>Wheel stand</b>	849310
<b>Foot switch with coupling</b>	347010

**REMS Herkules** material supports, see page 107.

**Grooving rollers** and other accessories, see page 50.



Powerful, mobile, cordless 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. Li-Ion 22V Technology. For battery and corded operation.

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

Stainless steel pipes, copper, aluminium, PVC pipes

**REMS Collum 22 V – electrical roll grooving up to 12".**  
**Mobile, fast, economical. Feed of the pressure roller with oil-hydraulic pressure cylinder. Li-Ion 21.6 V, 9.0 Ah battery, for approx. 23 DN 100/4" grooves with one battery charge\*.**

### Design

Compact, robust, building site-compatible, mobile. Convenient dimensions, comfortable weight, cordless roll grooving machine with drive unit just 34 kg. Practical D-shaped handle with soft grip. Machine status check with overload protection of the drive unit against too high currents, with overheating protection by motor temperature monitoring (NTC), with electronic battery charging status check by a 2-coloured green/red LED. For work bench. Stand or wheel stand as an accessory, for easy transport, optimum working height and stable positioning.

### Drive

Powerful and fast, e.g. roll grooving of 4" steel pipe in just 77 s. Solid, maintenance-free gear. Powerful battery motor 21.6 V, with high power reserve, 500 W output, for intensive use with large dimensions. High grooving speed 27 – 20 rpm. Safety tip switch.

### Battery or mains operation

Li-Ion 22V Technology. Highly resistant Li-Ion 21.6 V batteries with 9.0 Ah capacity for long service life. Light and powerful, for approx. 23 DN 100/4" grooves with one battery charge\*. Graduated charging status check by coloured LEDs. Operating temperature range –10 to +60 °C. No memory effect for maximum battery power. Rapid charger 100 – 240 V, 90 W. Rapid charger 100 – 240 V, 290 W, for shorter charging times, as accessory. Voltage supply 220 – 240 V/21.6 V, 40 A output, for mains operation instead of Li-Ion battery 21.6 V, as 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 1 – 1½", 2 – 6" and 8 – 12". Grooving rollers for aluminium, PVC pipes on request.

### Material support

Extra sturdy REMS Herkules XL 12" material support for roll grooving of pipes up to 12" (page 107).



German Quality Product



Info





Wheel stand (Accessory)

Herkules 3B (Accessory)



Stand (Accessory)

Herkules XL 12" (Accessory)



### Supply format

**REMS Collum 22V.** Cordless roll grooving machine for grooving pipes for DN 25–300, 1–12" pipe coupling systems. 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. Drive unit with maintenance-free gear, powerful battery motor 21.6V, 500 W. Safety switch. Right and left-hand rotation, machine status check with overload protection, temperature monitoring, battery charging status check. Universal support. Li-Ion 21.6V, 9.0Ah battery, 100–240V, 50–60 Hz, 90W rapid charger. For workbench, stand or wheel stand. In a carton.

	Art.-No.
	347005

Other voltages on request.

### Accessories

Description	Art.-No.
<b>REMS Amigo 22V drive unit, without battery</b>	530004
<b>Battery Li-Ion 21.6V, 9.0Ah</b>	571583
<b>Rapid charger 100–240V, 50–60 Hz, 90W</b>	571585
<b>Rapid charger 100–240V, 50–60 Hz, 290W</b>	571587
<b>Voltage supply 220–240V/21.6V, 50–60 Hz, 40A, for mains operation instead of battery Li-Ion 21.6V</b>	571578
<b>Stand</b>	849315
<b>Wheel stand</b>	849310

**REMS Herkules** material supports, see page 107.

**Grooving rollers** and other accessories, see page 50.

**REMS Lumen 2800 22V**, cordless LED flood light, see page 111



\* Ambient temperature approx. 20°C.

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" $s \leq 7.2 \text{ mm}$
-------------	---

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 1–1½", 2–6" and 8–12". Grooving rollers for aluminium, PVC pipes on request.

### Conversion kit for threading

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

### Material support

Extra sturdy REMS Herkules XL 12" material support for roll grooving of pipes up to 12" (page 107).



German Quality Product



Info



Stand  
(Accessory)



Wheel stand (Accessory)

Herkules 3B (Accessory)

### 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	Art.-No.
<b>2000 RG-T</b>	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 53 rpm.	340230
<b>2010 RG-T</b>	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 52/26 rpm, also under full load. Extremely quiet running.	340231
<b>2020 RG-T</b>	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 52/26 rpm, also under full load. Extremely quiet running.	340232

Other voltages on request.

### Accessories

Description	Art.-No.
<b>Stand</b>	344105
<b>Wheel stand with material support</b>	344100
<b>Collapsible wheel stand</b>	344150
<b>REMS Herkules material supports, see page 107.</b>	
<b>Grooving rollers and other accessories, see page 50.</b>	
<b>Conversion kit Magnum RG-T to L-T for threading.</b>	340110









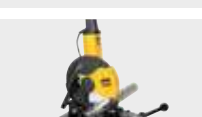

Collapsible wheel stand (Accessory)







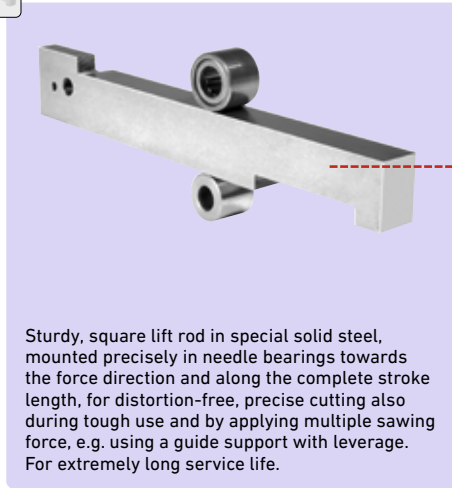
# Sawing

	<b>Universal electric reciprocating saws</b>	<b>60</b>
	<b>Cordless universal reciprocating saw</b>	<b>62</b>
	<b>Electric reciprocating pipe saws</b>	<b>64</b>
	<b>Pneumatic reciprocating pipe saw</b>	<b>66</b>
	<b>Cordless pipe reciprocating saw</b>	<b>68</b>
	<b>Saw blades for reciprocating saws</b>	<b>70</b>
	<b>Circular pipe sawing machine</b>	<b>72</b>
	<b>Universal circular metal sawing machine</b>	<b>73</b>



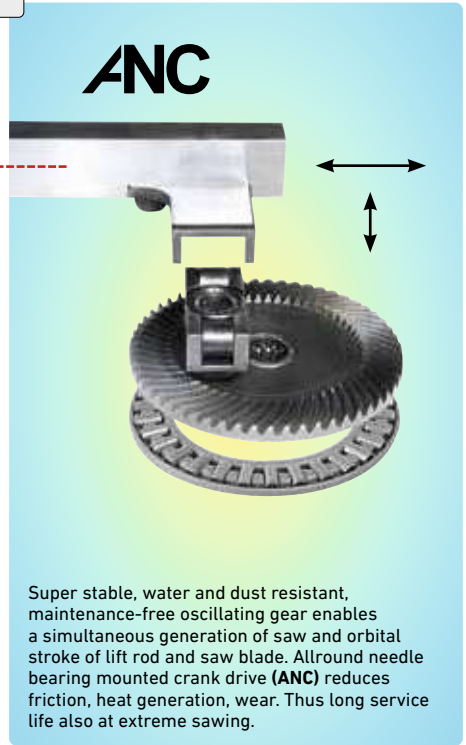
**Aggressive orbital action** by vertical hacking motion of saw blade provides forceful, fast forward feed, excellent chip flow and long service life of saw blades.

**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 in-feed pressure and the heavy-duty requirements of forceful cutting of steel pipes, particularly when a guide support with leverage is being used.

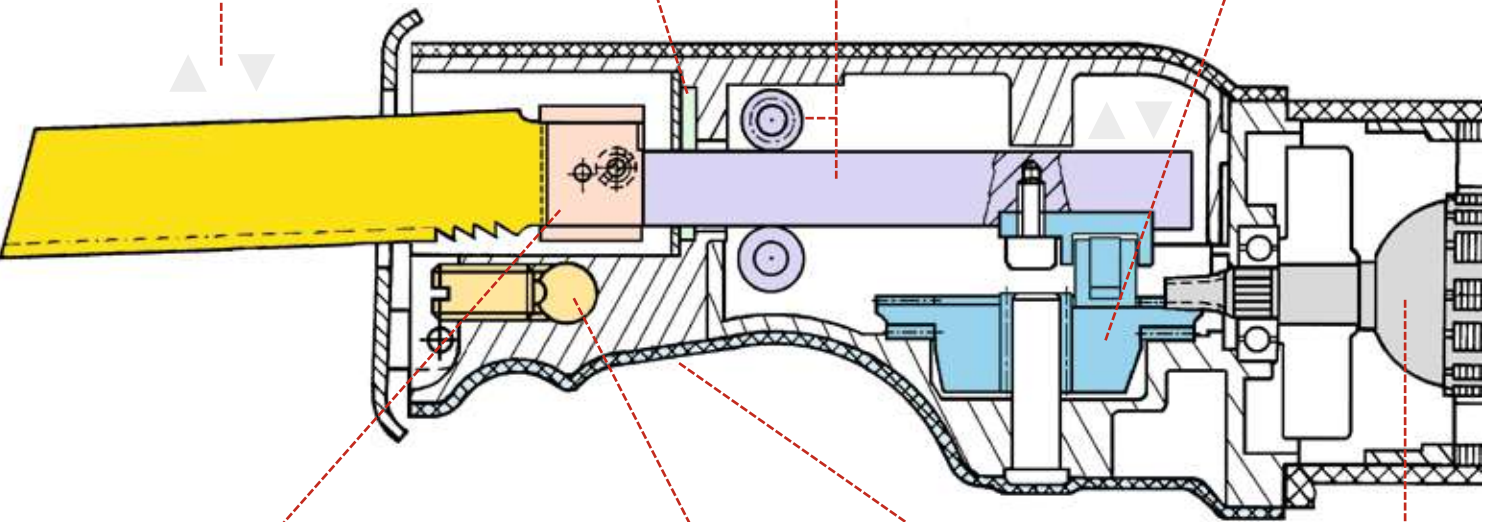


Sturdy, square lift rod in special solid steel, mounted precisely in needle bearings towards the force direction and along the complete stroke length, for distortion-free, precise cutting also during tough use and by applying multiple sawing force, e.g. using a guide support with leverage. For extremely long service life.

Special high sliding silicone gasket protects gear against water and dust.



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



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



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

V/bar  
Drive motors  
230 V, 110 V, 48 V,  
22 V, 6 bar

Ergonomically shaped front housing grip with slip resistant protection cover, for forceful feed forward while sawing free-hand.



**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 VE, REMS Tiger VE) or 0 to 1,900 rpm (REMS Cat 22V VE, REMS Tiger 22V 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. Guide support with five-fold force transmitting leverage allows effortless, fast, right angled sawing anywhere on site, without a 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, fatigue-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 22 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

Universal electric reciprocating saw

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

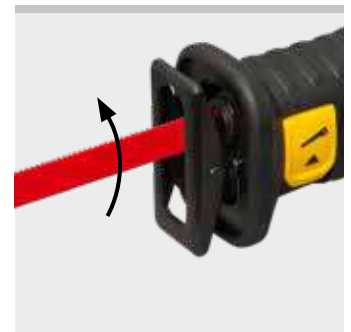
Practical saw blade holder with quick-change system for fast saw blade changing without tools. For holding single tang saw blades. Saw blade can be inserted with the teeth facing down or turned 180° facing up for cuts in confined spaces with difficult access.

### REMS saw blades

Full range of REMS saw blades for free-hand sawing of different materials (page 71).

### 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.



Info

### Supply format

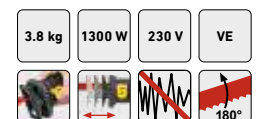
**REMS Puma VE Set.** Electric universal reciprocating saw with Vario-Electronic (VE) for free-hand sawing, with anti-vibration system. Drive machine with D-shaped handle with soft grip, maintenance-free crank drive, powerful 230 V, 50–60 Hz, 1,300 W universal motor, safety switch, connecting cable 4 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. Hexagon key, 1 REMS saw blade 210-1.8/2.5. In sturdy steel case.

	Art.-No.	
	560023	

Other voltages on request.

### Accessories

Description	Art.-No.	
<b>REMS Puma VE drive unit</b>	560003	
<b>REMS saw blades</b> see page 71.		
<b>Steel case</b>	566051	



# REMS Cat VE

Universal electric reciprocating saw

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 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

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.

### 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

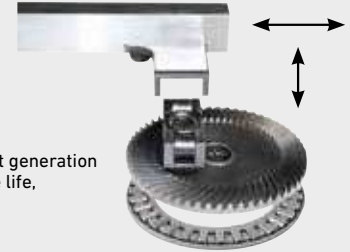
Only 1 REMS universal saw blade (page 70) for all sawing work instead of many different saw blades. Double tang for free-hand sawing and sawing with guide holder.

### REMS saw blades

Full range of REMS saw blades for free-hand sawing of different materials (page 71).



# ANC



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



German Quality Product



Info

## Supply format

**REMS Cat 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.

	Art.-No.
	560040

Other voltages on request.

## Accessories

Description	Art.-No.
<b>REMS Cat VE drive unit</b>	560004
<b>REMS saw blades</b> see page 70 – 71.	
<b>Steel case</b>	566005



REMS



# REMS Cat 22V VE

Cordless universal reciprocating saw

Powerful, mobile, handy power tool for universal free-hand sawing. Only 3.1 kg. Ideal for assembly, dismantling, repair. Li-Ion 22V Technology. For battery and corded operation.

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 22V VE – saws anything, anywhere. Mobile, handy, light. Li-Ion 21.6V, 5.0 Ah battery, for approx. 75 1" steel pipe cuts with one battery charge\*.**

## 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. Mobile, handy, light. Drive unit with battery pack weighs only 3.1 kg. Slim form. Ergonomically shaped front housing grip with slip resistant, heat insulating protection cover with soft grip, for forceful feed forward. Practical D-shaped handle with soft grip. 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 21.6 V battery motor with ample reserve capacity, 500 W output. Safety tip switch. Machine status check with overload protection of the drive unit against too high currents, with overheating protection by motor temperature monitoring (NTC), with electronic battery charging status check with charging level indication by a 2-coloured green/red LED.

## 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 1,900 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.

## Battery or mains operation

Li-Ion 22V Technology. Highly resistant Li-Ion 21.6V battery with 4.4, 5.0 or 9.0 Ah capacity, for long service life. Light and powerful. Li-Ion 21.6V, 4.4Ah battery, for approx. 66 1" steel pipe cuts, 5.0 Ah battery, for approx. 75 1" steel pipe cuts, 9.0 Ah for approx. 140 1" steel pipe cuts with one battery charge\*. Graduated charging status check by coloured LEDs. Operating temperature range – 10 to + 60 °C. No memory effect for maximum battery power. Rapid charger 100–240V, 90W. Rapid charger 100–240V, 290W, for shorter charging times, as accessory. Voltage supply 220–240V/21.6V, 40 A output, for mains operation instead of Li-Ion battery 21.6 V, as accessory.

## 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 70) 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 71).



# ANC

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

German Quality Product



Info

### Supply format

**REMS Cat 22V VE Set.** 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 21.6 V battery motor, safety tip switch. Electronic stepless speed control (acceleration switch) 0 to 1,900 rpm. Machine status check with overload protection, temperature monitoring, battery charging status check. Li-Ion 21.6V, 5.0Ah battery, 100–240V, 50–60 Hz, 90W rapid charger. Universal saw blade clamp. Hexagon key. 1 pcs REMS universal saw blade 150-1.8/2.5. In sturdy steel case.

	Art.-No.
	560052

Other voltages on request.

### Accessories

Description	Art.-No.
<b>REMS saw blades</b> see page 70 – 71.	
<b>REMS Cat 22V VE drive unit,</b> without battery	560010
<b>Battery Li-Ion 21.6V, 4.4 Ah</b>	571574
<b>Battery Li-Ion 21.6V, 5.0 Ah</b>	571581
<b>Battery Li-Ion 21.6V, 9.0 Ah</b>	571583
<b>Rapid charger 100–240V, 50–60 Hz, 90W</b>	571585
<b>Rapid charger 100–240V, 50–60 Hz, 290W</b>	571587
<b>Voltage supply 220–240V/21.6V, 50–60 Hz, 40A,</b> for mains operation instead of battery Li-Ion 21.6V	571578
<b>Steel case with inlay</b>	566030
<b>REMS Lumen 2800 22V,</b> cordless LED flood light, see page 111	



\* Ambient temperature approx. 20°C.

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 SR with electronic stroke speed control.

## REMS Tiger – the saw for the pipe fitter.

**Saws effortlessly, 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. Guide support with five-fold force transmitting leverage allows effortless, fast, right angled sawing anywhere on site, without a 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 70), 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 70) 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 71).

### 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, advantageous during free-hand sawing, or straight machine handle, advantageous 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 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) protects motor, gear and saw blade. The electronic tachometer speed controller (REMS Tiger 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 monitoring of the field winding of the motor with PTC resistance (Positive Temperature Coefficient) and blocking protection for gearbox and motor.

### Sturdy, square lift rod

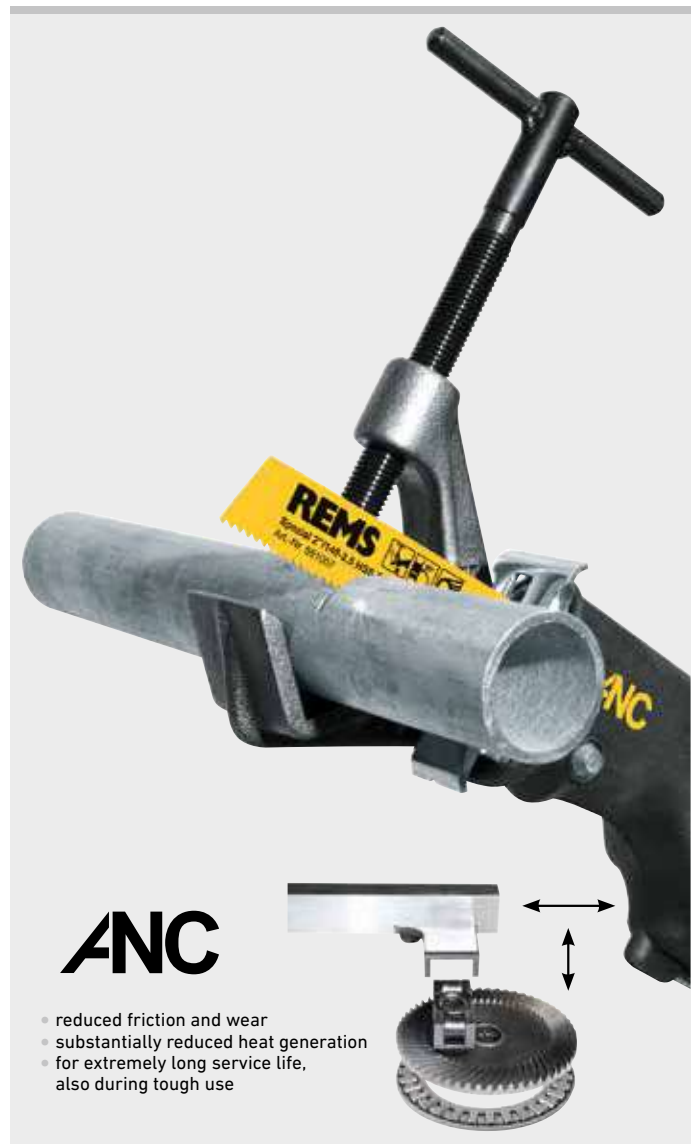
In special solid steel, mounted precisely in needle bearings towards the force direction and along the complete stroke length, for distortion-free, precise cutting also during tough use. For extremely long service life. Drive rod runs in an enclosed housing for safe work.

### Oscillating drive with ANC

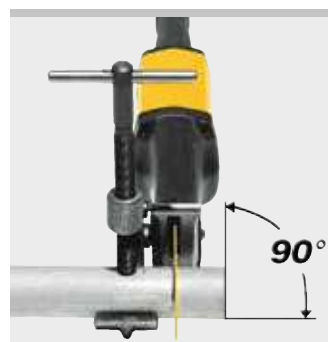
Super stable, water and dust resistant, maintenance-free oscillating drive for simultaneous generation of sawing stroke and orbital action of lift rod and saw blade. Allround needle bearing mounted crank drive (ANC) reduces friction, heat generation, wear. For long service life of drive also at extreme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





# REMS Tiger/VE/SR

Electric reciprocating pipe saws

## Ideal speed (REMS Tiger)

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 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 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.



Anywhere,  
without vice!



German Quality Product



## Supply format

**REMS Tiger 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.

	Art.-No.
	560020

Other voltages, also 48 V on request.

## Supply format

**REMS Tiger 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) 0 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.

	Art.-No.
	560027

Other voltages on request.

## Supply format

**REMS Tiger 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.

	Art.-No.
	560026

Other voltages on request.

## Accessories

Description	Art.-No.
<b>REMS Tiger drive unit</b>	560000
<b>REMS Tiger VE drive unit</b>	560008
<b>REMS Tiger ANC SR drive unit</b>	560001
<b>REMS saw blades</b> see page 70–71.	
<b>Guide support 2"</b> , for pipes $\varnothing$ 1/2–2"	563000
<b>Guide support 4"</b> , for pipes $\varnothing$ 2 1/2–4"	563100
<b>Guide support 6"</b> , for pipes $\varnothing$ 5–6"	563200
<b>Dual purpose holder</b> for sawing and threading, with REMS Tiger and REMS Amigo E, Amigo, Amigo 2	543100
<b>Protective cap for guide support 2"</b> , 4" and 6", for clamping of thin-walled material	563008
<b>Steel case</b>	566051



# REMS Tiger pneumatic

Pneumatic reciprocating pipe saw

Powerful, robust, handy compressed air tool with force-transmitting 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 SR with electronic stroke speed control.

## REMS Tiger pneumatic – for sawing in dangerous environment.

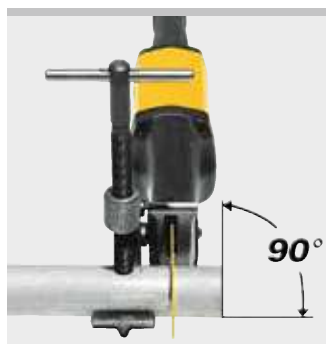
**Saws effortless, fast, right-angle. Force transmitting guide support for 400 % more sawing power. Sturdy, square lift rod. Oscillating drive with ANC.**

**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  $\leq 1.6 \text{ m}^3/\text{min}$ . Safety switch with lock.

Additional description see REMS Tiger, page 64–65.



German Quality Product



Info



3.8 kg 1000 W 6 bar



### Supply format

**REMS Tiger 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.

	Art.-No.
	560022

### Accessories

Description	Art.-No.
<b>REMS saw blades</b> see page 70–71.	
<b>REMS Tiger pneumatic drive unit</b>	560002
<b>Guide support 2"</b> , for pipes $\varnothing \frac{1}{8} - 2"$	563000
<b>Guide support 4"</b> , for pipes $\varnothing 2\frac{1}{2} - 4"$	563100
<b>Guide support 6"</b> , for pipes $\varnothing 5 - 6"$	563200
<b>Dual purpose holder</b> for sawing and threading, with REMS Tiger and REMS Amigo E, Amigo, Amigo 2	543100
<b>Protective cap for guide support 2", 4" and 6"</b> , for clamping of thin-walled material	563008
<b>Steel case</b>	566051





**REMS**

Spezial 2" / 140-3,2 HSS-Bi Made in Germany  
Art.-Nr. 501001

**ANC**

**REMS**  
22V VR

**REMS**  
22V OPEN

**REMS**  
22V

**REMS 22V 9.0**

**REMS 55A 8.0**

**REMS**

**REMS**

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**REMS**

**REMS**

**REMS**

**REMS**

Powerful, mobile, 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 3.4 kg. Ideal for assembly, dismantling, repair. Li-Ion 22V Technology. For battery and corded operation.

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

## REMS Tiger 22 V VE – the saw for the pipe fitter.

**Saws effortless, fast, right angle. Mobile, handy, light.**

**Li-Ion 21.6V, 9.0Ah battery, for approx. 80 1" steel pipe cuts with guide holder for approx. 140 1" steel pipe cuts without guide holder with one battery charge\*.**

### Power-transferring guide support

400% additional sawing force for effortless, super fast sawing, e.g. 2" steel pipe in only 11 s. For assembly and dismantling. Guide support with five-fold force transmitting leverage allows effortless, fast, right angled sawing anywhere on site, without a 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.

### 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 70), 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 70) 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 71).

### 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. Mobile, handy, light. Drive unit with battery pack weighs only 3.4 kg. Slim form. Can be used anywhere. Ergonomically shaped front housing grip with slip resistant protection cover for forceful feed forward during free-hand sawing. Practical D-shaped handle with soft grip. 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 21.6 V battery motor with ample reserve capacity, 500 W output. Safety tip switch. Machine status check with overload protection of the drive unit against too high currents, with overheating protection by motor temperature monitoring (NTC), with electronic battery charging status check with charging level indication by a 2-coloured green/red LED.

### 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.

### 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 1,900 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.



German Quality Product



## Battery or mains operation

Li-Ion 22V Technology. Highly resistant Li-Ion 21.6V battery with 9.0 Ah capacity, for long service life. Light and powerful, for approx. 80 1" steel pipe cuts with guide holder or approx. 135 1" steel pipe cuts without guide holder with one battery charge\*. Graduated charging status check by coloured LEDs. Operating temperature range - 10 to + 60 °C. No memory effect for maximum battery power. Rapid charger 100-240V, 90W. Rapid charger 100-240V, 290W, for shorter charging times, as accessory. Voltage supply 220-240V/21.6V, 40A output, for mains operation instead of Li-Ion battery 21.6V, as accessory.

## Universal saw blade clamp

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

## Supply format

**REMS Tiger 22 V VE Set.** Cordless pipe reciprocating saw with Vario Electronics (VE) for effortless, fast, right-angled sawing with guide holder and for free-hand sawing. Drive unit with spade handle, maintenance-free, water and dust proof oscillation drive with all-round needle bearing crank drive (ANC), aggressive orbital stroke, powerful 21.6V, 500 W battery motor, safety switch. Continuous, electronic stroke speed control (accelerator switch) 0 to 1900 rpm. Machine status check with overload protection, temperature monitoring, battery charging status check. Li-Ion 21.6V, 9.0Ah battery, 100-240V, 50-60 Hz, 90W rapid charger. Universal saw blade clamp. Hexagon key. Guide support 2". 2 pcs. REMS special saw blades 2"/140-3.2. In sturdy steel case.

	Art.-No.
	560053

Other voltages on request.

## Accessories

Description	Art.-No.
<b>REMS Tiger 22 V VE drive unit, without battery</b>	560011
<b>REMS saw blades</b> see page 70 - 71.	
<b>Guide support 2"</b> , for pipes $\varnothing$ 1/2 - 2"	563000
<b>Battery Li-Ion 21.6V, 9.0 Ah</b>	571583
<b>Rapid charger 100-240V, 50-60 Hz, 90W</b>	571585
<b>Rapid charger 100-240V, 50-60 Hz, 290W</b>	571587
<b>Voltage supply 220-240V/21.6V, 50-60 Hz, 40A</b> , for mains operation instead of battery Li-Ion 21.6V	571578
<b>Steel case</b> with inlay	566030
<b>REMS Lumen 2800 22V</b> , cordless LED flood light, see page 111	



\* Ambient temperature approx. 20°C.

# REMS special saw blades

For REMS Tiger/VE/SR, Tiger pneumatic, Tiger 22V VE and other makes

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.

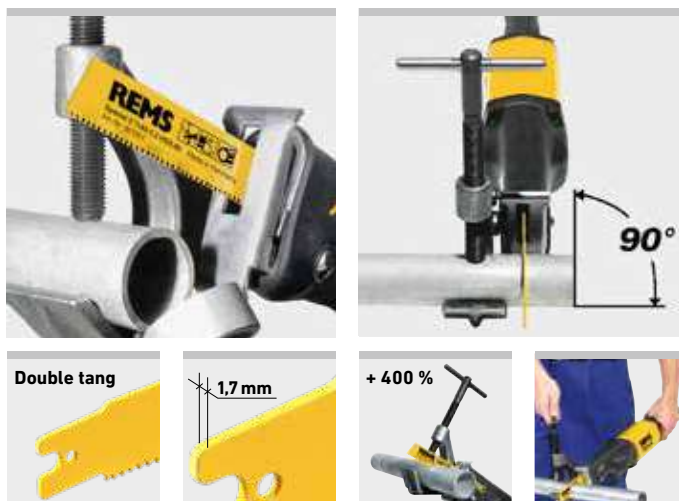
Specially developed for REMS Tiger.

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.



German Quality Product



REMS special saw blades → REMS Tiger, etc.	Ø inches/ Length mm	Tooth pitch mm	Material*	Teeth	Colour			Art.-No.
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		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 SR with electronic speed regulation (page 65).

# REMS universal saw blades

For REMS Cat VE, Tiger/VE/SR, Cat 22V VE and other makes

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



REMS universal saw blades → REMS Tiger, REMS Cat, etc.	Length mm	Tooth pitch mm	Material*	Teeth	Colour			Art.-No.
REMS universal saw blade 100-1.8/2.5 for all sawing work	100	Combo 1.8/2.5	HSS-Bi flexible		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		red	5		561005
REMS universal saw blade 200-1.8/2.5 for all sawing work	200	Combo 1.8/2.5	HSS-Bi flexible		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		red	5		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 SR with electronic speed regulation (page 65).





# REMS saw blades

For REMS Puma VE, Cat VE, Tiger/VE/SR, Cat 22V VE, Tiger 22V 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.
-  Straight teeth for saw blades with very wide carbide teeth.
-  Carbide-granulate for materials that are difficult to cut.



















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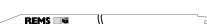






REMS saw blades for metal → REMS Puma, REMS Cat, REMS Tiger, etc.	Length mm	Tooth pitch mm	Material*	Teeth	Colour			Art.-No.
<b>REMS saw blade 150-1</b> sheet metal, metal, also stainless steel, ≥ 1.2 mm	150	1	HSS-Bi flexible		red	5		561105
<b>REMS saw blade 200-1</b> sheet metal, metal, also stainless steel, ≥ 1.2 mm	200	1	HSS-Bi flexible		red	5		561106
<b>REMS saw blade 90-1.4</b> , curved blade metal, also stainless steel, ≥ 1.5 mm	90	1.4	HSS-Bi		red	5		561107
<b>REMS saw blade 150-1.4</b> metal, also stainless steel, ≥ 1.5 mm	150	1.4	HSS-Bi flexible		red	5		561104
<b>REMS saw blade 200-1.4</b> metal, also stainless steel, ≥ 1.5 mm	200	1.4	HSS-Bi flexible		red	5		561108
<b>REMS saw blade 100-1.8</b> metal, also stainless steel, ≥ 2 mm	100	1.8	HSS-Bi flexible		red	5		561101
<b>REMS saw blade 150-1.8</b> metal, also stainless steel, ≥ 2 mm	150	1.8	HSS-Bi flexible		red	5		561103
<b>REMS saw blade 200-1.8</b> metal, also stainless steel, ≥ 2 mm	200	1.8	HSS-Bi flexible		red	5		561102
<b>REMS saw blade 200-2.5</b> metal, also stainless steel, ≥ 3 mm	200	2.5	HSS-Bi flexible		red	5		561109
<b>REMS saw blade 280-2.5</b> metal, also stainless steel, ≥ 3 mm	280	2.5	HSS-Bi flexible		red	5		561112

German Quality Product



REMS saw blades for wood and metal → REMS Puma, REMS Cat, REMS Tiger, etc.	Length mm	Tooth pitch mm	Material*	Teeth	Colour			Art.-No.
<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		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		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		561116
<b>REMS saw blade 300-4.2</b> wood	300	4.2	WS		black	5		561111
<b>REMS saw blade 225-3.2/5.0</b> wood, wood with nails	225	Combo 3.2/5.0	HSS-Bi flexible		black	5		561117
<b>REMS saw blade 290-5.0/6.35</b> green wood	290	Combo 5.0/6.35	WS		black	5		561118
<b>REMS saw blade 150-6.35</b> wood	150	6.35	WS		black	5		561119



REMS saw blades for different purposes → REMS Puma, REMS Cat, REMS Tiger, etc.	Length mm	Tooth pitch mm	Material*	Teeth	Colour			Art.-No.
<b>REMS saw blade 150-4.2</b> breeze blocks, plasterboard	150	4.2	WS		white	5		561115
<b>REMS saw blade 225-8.5</b> breeze blocks, hard wood	225	8.5	HM		white	1		561120
<b>REMS saw blade 300-8.5</b> breeze blocks, hard wood	300	8.5	HM		white	1		561121
<b>REMS saw blade 400-8.5</b> breeze blocks, hard wood	400	8.5	HM		white	1		561122
<b>REMS saw blade 235-12</b> breeze blocks, pumice, brick	235	12	HM		white	1		561123
<b>REMS saw blade 300-12</b> breeze blocks, pumice, brick	300	12	HM		white	1		561124
<b>REMS saw blade 300-12</b> , extra high blade breeze blocks, pumice, brick	300	12	HM		white	1		561125
<b>REMS saw blade 200</b> cast iron etc.	200		HM-G		white	2		561126



\* HSS-Bi: bimetal high speed steel WS: tool steel HM: carbide HM-G: carbide-granulate

# REMS Turbo Cu-INOX

Circular pipe sawing machine

Compact, portable circular pipe sawing machine for burr-reduced, right angle and rapid sawing. For stainless steel pipes, carbon steel pipes and copper pipes of the press fitting systems etc. Also for cutting thin-walled sections for front-wall installation. For job site and workshop.

Stainless steel pipes, carbon steel pipes, copper pipes 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:

**Dry sawing**, so no damage to O-rings from lubricants.

**Burr-reduced** through double clamping vice.

**Optimum cutting** 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, stand or wheel stand as an accessory, for easy transport, optimum working height and stable positioning.

### 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 mm, 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 × 2 × 32 mm, 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 ½–2 ¼", for electric drive with the REMS Turbo Cu-INOX pipe circular sawing machine and others, see page 101.

### Supply format

**REMS Turbo Cu-INOX Basic.** Circular pipe saw with universal double clamping vice for burr-reduced, right angle, rapid sawing. For stainless steel pipes, carbon steel pipes and copper pipes of the press fitting systems etc. Also for cutting thin-walled sections for front-wall installation. 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, stand or wheel stand. In a carton.

	Art.-No.
	849006

Other voltages on request.

### Accessories

Description	Art.-No.
<b>REMS circular saw blade HSS</b> for metal, specially for stainless steel pipes, fine-toothing, 225 × 2 × 32 mm, 220 teeth.	849703
<b>REMS circular saw blade HSS-E</b> (cobalt alloyed) circular saw blade HSS-E (cobalt alloyed) toothing, 225 × 2 × 32 mm, 220 teeth. Very long service life.	849706
<b>REMS REG 10–54 E</b> outer/inner pipe deburrer, see page 101	
<b>Stand</b>	849315
<b>Wheel stand</b>	849310
<b>REMS Jumbo</b> , folding workbenches, see page 106.	
<b>REMS Herkules</b> , material supports, see page 107.	



German Quality Product



Info





# 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.

↶	○	□	▭	└	●	■	■
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, stand or wheel stand as an accessory, for easy transport, optimum working height and stable positioning.

### 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 mm 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 mm, 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 mm, 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



Info

### 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, stand or wheel stand. In a carton.

	Art.-No.
	849007

Other voltages on request.

### Accessories

Description	Art.-No.
<b>REMS universal circular saw blade HSS</b> for metal, 225 × 2 × 32 mm, 120 teeth	849700
<b>REMS circular saw blade HSS for metal</b> , fine-toothed, 225 × 2 × 32 mm, 220 teeth	849703
<b>REMS circular saw blade HSS-E</b> (cobalt alloyed) for metal, fine-toothed, 225 × 2 × 32 mm, 220 teeth. Very long service life.	849706
<b>Electronic speed regulator</b> for hard-to-machine materials, e.g. stainless steel pipes, hard cast iron pipes. Fixed, optimum speed.	565051
<b>Cooling lubricants</b> see page 49.	
<b>Stand</b>	849315
<b>Wheel stand</b>	849310
<b>REMS Jumbo</b> , folding workbenches, see page 106.	
<b>REMS Herkules</b> , material supports, see page 107.	





Made in Germany

REMS

# Cutting Chamfering Deburring

	<b>Pipe cutters</b>	<b>76</b>
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	<b>Pipe cutting and pipe chamfering tools</b>	<b>96</b>
	<b>Pipe deburrers</b>	<b>99</b>

Robust quality tools for cutting pipes.  
Meets high demands and long service life.

Steel pipes  $\varnothing$  1/8 – 4",  $\varnothing$  10 – 115 mm

### 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  $\varnothing$  1/8 – 4" (10 – 115 mm), wall thickness  $s \leq 8$  mm, suitable for both pipe cutters. Cutter wheel for pipes  $\varnothing$  1 – 4" to wall thickness  $s \leq 12.5$  mm available as accessory.



German Quality Products



### Supply format

REMS RAS St. Pipe cutter for steel pipes. With cutter wheel. In a carton.

Description	Pipes $\varnothing$ mm/inch	Wall thickness $s \leq$ mm	Art.-No.
St 1/8 – 2"	1/8 – 2" 10 – 60	8	113000
St 1 1/4 – 4"	1 1/4 – 4" 30 – 115	8	113100

### Accessories

Description	$s \leq$ mm	Art.-No.
REMS cutter wheel St 1/8 – 4", s 8 for REMS RAS St 1/8 – 2" and St 1 1/4 – 4"	8	341614
REMS cutter wheel St 1 – 4", s 12 for REMS RAS St 1 1/4 – 4"	12.5	381622



# REMS RAS Cu-INOX

## Pipe cutters

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 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.** Pipe 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	Art.-No.
<b>Cu-INOX 3–16</b>	3–16 1/8–5/8"	4	113200
<b>Cu-INOX 3–25</b>	3–25 1/8–1"	4	113230
<b>Cu-INOX 3–28 Mini</b>	3–28 1/8–1 1/8"	4	113240
<b>Cu-INOX 3–28 S Mini on needle bearings</b>	3–28 1/8–1 1/8"	4	113241



Info



### 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	Art.-No.
<b>Cu-INOX 3–35</b>	3–35 1/8–1 3/8"	4	113350
<b>Cu-INOX 3–35 S on needle bearings</b>	3–35 1/8–1 3/8"	4	113351
<b>Cu-INOX 3–42</b>	3–42 1/8–1 3/4"	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  $\varnothing$  3 – 120 mm.



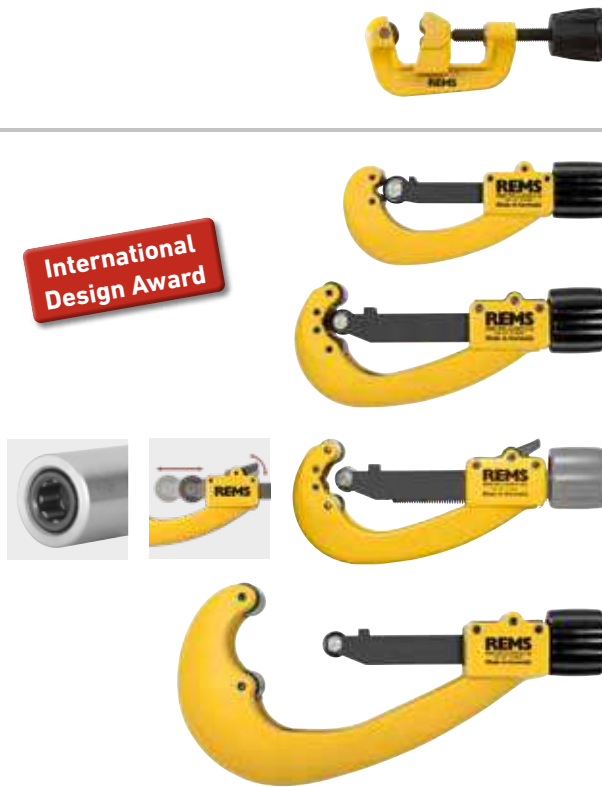
### Supply format

**REMS RAS Cu-INOX.** Pipe 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 $\varnothing$ mm/inch	Wall thickness s $\leq$ mm	Art.-No.
<b>Cu-INOX 3 – 28</b>	3 – 28 1/8 – 1 1/8"	4	113300
<b>Cu-INOX 6 – 42</b>	6 – 42 1/4 – 1 5/8"	4	113380
<b>Cu-INOX 6 – 64</b>	6 – 64 1/4 – 2 1/2"	4	113400
<b>Cu-INOX 8 – 64 S</b> on needle bearings, with quick adjustment	8 – 64 3/8 – 2 1/2"	4	113401
<b>Cu-INOX 64 – 120</b>	64 – 120 2 1/2 – 4"	4	113500

### Accessories

Description	Wall thickness s $\leq$ mm	Art.-No.
<b>REMS cutter wheel Cu-INOX 3 – 120, s 4</b>	4	113210
<b>REMS cutter wheel Cu-INOX 3 – 120 S, s 4, on needle bearings</b>	4	113213
<b>Universal deburring blade, ground</b>		113360



German Quality Products



Robust quality tools for cutting tubes.

Copper tubes

Ø 3 – 64 mm  
Ø 1/8 – 2 1/2"

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

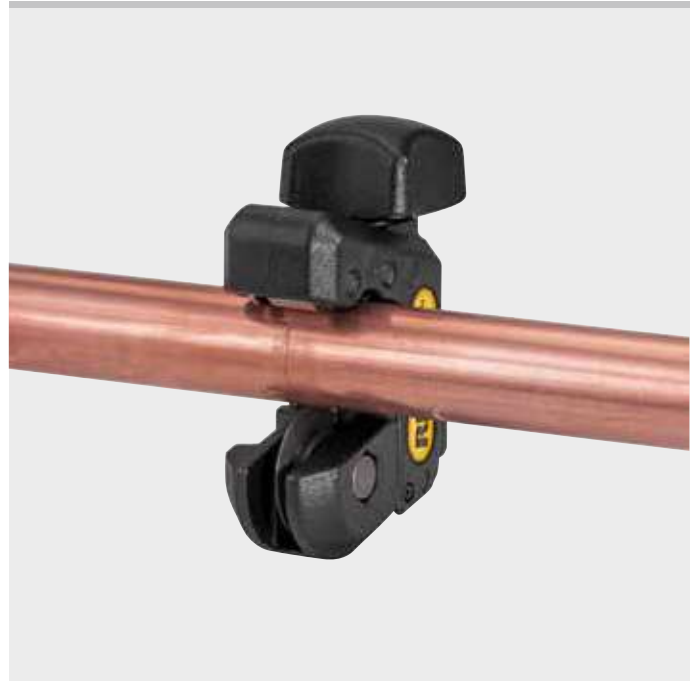
Small, handy, specially for use in restricted spaces.

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.



### Supply format

REMS RAS Cu. Pipe cutter for copper tubes. With cutter wheel. In blister pack.

Description	Pipes Ø mm/inch	Wall thickness s ≤ mm	Art.-No.
<b>Cu 3 – 16</b>	3 – 16 1/8 – 5/8"	3	113250
<b>Cu 3 – 25</b>	3 – 25 1/8 – 1"	3	113255
<b>Cu 3 – 28</b>	3 – 28 1/8 – 1 1/8"	3	113260

### 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.

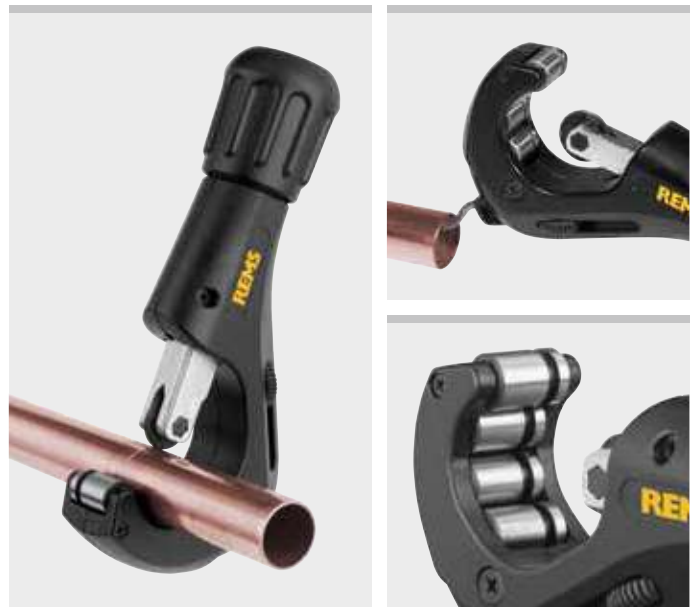
Ergonomic, handy operating knob in metal for easy work and long service life.

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. Pipe cutter for copper tubes, with integrated pipe deburring device. With cutter wheel. In blister pack.

Description	Pipes Ø mm/inch	Wall thickness s ≤ mm	Art.-No.
<b>Cu 3 – 35</b>	3 – 35 1/8 – 1 3/8"	3	113340
<b>Cu 3 – 42</b>	3 – 42 1/8 – 1 3/4"	3	113320



# REMS RAS Cu

## Pipe cutters

### 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  $\varnothing$  3 – 120 mm.



German Quality Products

#### Supply format

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

Description	Pipes $\varnothing$ mm/inch	Wall thickness s $\leq$ mm	Art.-No.
<b>Cu 8 – 42</b> with quick adjustment	8 – 42 $\frac{3}{8}$ – $1\frac{5}{8}$ "	3	113370
<b>Cu 8 – 64</b> with quick adjustment	8 – 64 $\frac{3}{8}$ – $2\frac{1}{2}$ "	3	113410

#### Accessories

Description	Wall thick- ness s $\leq$ mm	Art.-No.
<b>REMS cutter wheel Cu 3 – 120, s 3</b>	3	113225
<b>Universal deburring blade, ground</b>		113360

International  
Design Award



# REMS RAS P

## Pipe cutters

### REMS RAS P – 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 P.** Pipe cutter for plastic pipes and multi-layer composite tubess, with integrated pipe deburring device. With cutter wheel. In blister pack.

Description	Pipes $\varnothing$ mm/inch	Wall thickness s $\leq$ mm	Art.-No.
<b>P 10 – 32 T</b>	10 – 32 $\frac{1}{2}$ – $1\frac{3}{8}$ "	4,5	290001
<b>P 10 – 40 T</b>	10 – 40 $\frac{1}{2}$ – $1\frac{5}{8}$ "	4,5	290002





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

Plastic pipes,  
multi-layer composite tubes  $\varnothing$  10–315 mm  
 $\varnothing$  ½–12"

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

Solid, handy, U-shaped design.

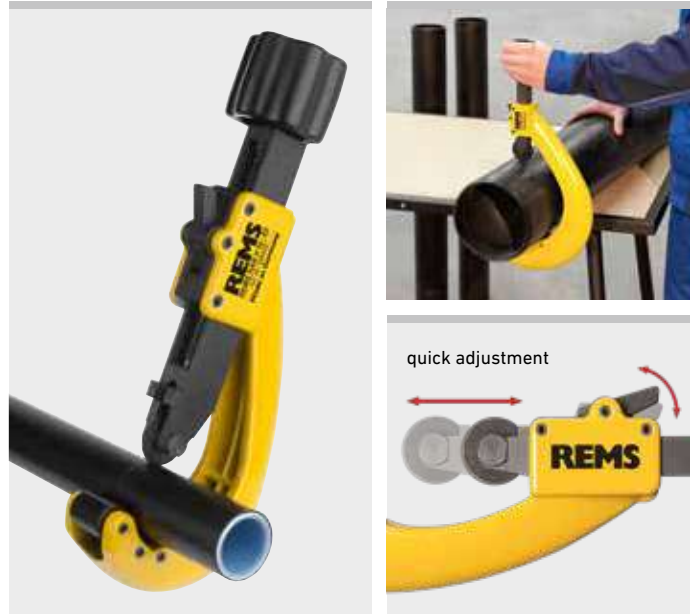
Sturdy spindle, long spindle guidance and hardened back pressure rollers provide exact alignment to the pipe, easy in-feed, easy cutting and precise, right angle cut. Ergonomic, handy operating knob in metal for easy work and long service life.

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).



German Quality Products



Info

International  
Design Award

P 50–110, s11  
P 50–110, s16  
P 50–110, s19



### Supply format

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

Description	Pipes $\varnothing$ mm/inch	Wall thickness s ≤ mm	Art.-No.
<b>P 10–40</b> with quick adjustment	10–40 ½–1½"	7	290050
<b>P 10–63</b> with quick adjustment	10–63 ½–2"	7	290000
<b>P 50–110, s11</b> with quick adjustment	50–110 2–4"	11	290100
<b>P 50–110, s16</b> with quick adjustment	50–110 2–4"	16	290100
<b>P 50–110, s19</b> with quick adjustment	50–90 2–3"	19	290100
<b>P 110–160</b> with quick adjustment	110–160 4–6"	16	290200

### REMS RAS P – cutting up to $\varnothing$ 315 mm, s ≤ 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

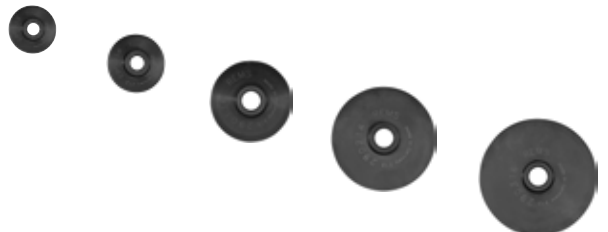
**REMS RAS P.** Pipe cutter for plastic pipes and multi-layer composite tubes.  
With cutter wheel and spare cutter wheel. In sturdy steel case.

Description	Pipes $\varnothing$ mm/inch	Wall thickness s ≤ mm	Art.-No.
<b>P 180–315</b> with quick adjustment	180–315 7–12"	16	290300



### Accessories

Description	s ≤ mm	Art.-No.
<b>REMS cutter wheel P 10–40, s 4,5</b> for REMS RAS P 10–32 T, 10–40 T	4,5	290023
<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



# REMS RAS P/SW 45/L

Pipe cutter/pipe slitter

Robust quality tool with two cutting systems for cutting and slitting plastic corrugated protective pipes.

Cutting	$\varnothing \leq 45 \text{ mm}$ $\varnothing \leq 1\frac{3}{4}''$
Slitting (lengthwise cutting)	ID $\geq \varnothing 14 \text{ mm}$

## REMS RAS P/SW 45/L – Cutting and slitting of plastic corrugated protective pipes.

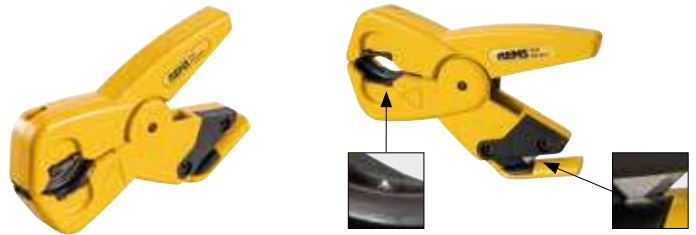
Stable magnesium version, extremely light.

Specially hardened and specially ground blades for cutting and slitting. German quality product.

Four-edged, wedge-shaped blades with a cutting angle of 90°, rotatable 4 times by 90° for four times longer life. Right-angled, burr-free cutting by pipe rest with shaft guide.

Automatic contact pressure when cutting.

Cutting depth limiting of the cutting tools during cutting prevents damage to the inside of the pipe.



### Supply format

**REMS RAS P/SW 45/L.** Pipe cutter/pipe slitter for plastic corrugated protective pipes. With 3 blades. In blister pack.

Pipes $\varnothing$ mm/inch	Art.-No.
$\leq 45 \text{ mm} / \leq 1\frac{3}{4}''$	113480

### Accessories

Description	Art.-No.
<b>Blade P/SW 45/L (pack of 3)</b> for REMS RAS P/SW 45/L	113481



# REMS RAS W INOX

Pipe cutter

Highly resistant quality tool for cutting pipes.

Corrugated metal hoses (corrugated pipes) of stainless steel, also jacketed  $\text{DN } 10 - 32 (40)$   
 $\frac{3}{8} - 1\frac{1}{2}'' (2'')$

## REMS RAS W INOX 10–32/40 S – Quality pipe cutter especially for cutting corrugated metal hoses (corrugated pipes) made of stainless steel.

Compact design for tough use.

Easy in-feed, easy cutting and precise, right angle cut.

Sturdy telescopic spindle, long spindle guide, cutting wheel on needle bearing and 2 specially hardened counter pressure rollers on needle bearings. Three high-molecular plastic guide rollers each on both sides, arranged triangularly for straight guidance of the corrugated metal hose (corrugated pipe) during the cutting process.

Ergonomically designed, comfortable rotary handle.

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.



German Quality Products



### Supply format

**REMS RAS W INOX 10–32/40 S.** Pipe cutter for corrugated metal hoses (corrugated pipes) of stainless steel, also jacketed. Counter pressure rollers on needle bearings. With cutting wheel, on needle bearing. In blister pack.

Pipes	Art.-No.
$\text{DN } 10 - 32 (40) / \frac{3}{8} - 1\frac{1}{2}'' (2'')$	113450

### Accessories

Description	Art.-No.
<b>REMS cutter wheel W INOX 10–32/40 S</b> on needle bearings	113461



# REMS cutter wheels

German Quality Products  
For REMS pipe cutters and other makes

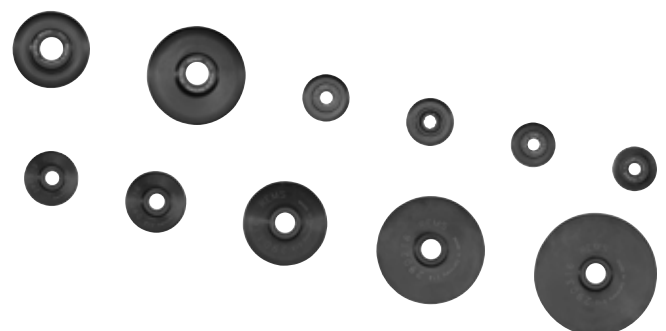
Specially hardened cutter wheels in approved, tough-hard REMS die steel, ensure a long service life. German Quality Products.

REMS cutter wheels also fit in suitable pipe cutters of other makes, see table with dimensional data.

REMS cutter wheel	Material	Wall thickness	to fit following pipe cutters	Capacity Ø	Art.-No.
St ½–4", s 8	Steel pipes	s ≤ 8 mm	REMS RAS St ½–2" REMS RAS St 1¼–4"	½–2" 1¼–4"	341614
St 1–4", s 12	Steel pipes	s ≤ 12.5 mm	REMS RAS St 1¼–4"	1¼–4"	381622
Cu-INOX 3–120, s 4	Copper tubes, stainless steel tubes	s ≤ 4 mm	REMS RAS Cu-INOX 3–16 REMS RAS Cu-INOX 3–28 REMS RAS Cu-INOX 3–35 REMS RAS Cu-INOX 3–42 REMS RAS Cu-INOX 6–42 REMS RAS Cu-INOX 6–64 REMS RAS Cu-INOX 64–120 REMS RAS Cu 3–35 REMS RAS Cu 3–42	3–16 mm 3–28 mm 3–35 mm 3–42 mm 6–42 mm 6–64 mm 64–120 mm 3–35 mm 3–42 mm	113210
Cu-INOX 3–120 S, s 4, on needle bearings	Copper tubes, stainless steel tubes	s ≤ 4 mm	REMS RAS Cu-INOX 3–28 S REMS RAS Cu-INOX 3–35 S REMS RAS Cu-INOX 8–64 S	3–28 mm 3–35 mm 8–64 mm	113213
Cu-INOX b 3, s 4	Copper tubes, stainless steel tubes	s ≤ 4 mm	See table "Dimensional data for REMS cutter wheels"		113220
Cu 3–120, s 3	Copper tubes	s ≤ 3 mm	REMS RAS Cu-INOX 3–16 REMS RAS Cu-INOX 3–25 REMS RAS Cu-INOX 3–28 REMS RAS Cu-INOX 3–35 REMS RAS Cu-INOX 3–42 REMS RAS Cu-INOX 6–42 REMS RAS Cu-INOX 6–64 REMS RAS Cu-INOX 64–120 REMS RAS Cu 3–16 REMS RAS Cu 3–25 REMS RAS Cu 3–28 REMS RAS Cu 3–35 REMS RAS Cu 3–42 REMS RAS Cu 8–42 REMS RAS Cu 8–64	3–16 mm 3–25 mm 3–28 mm 3–35 mm 3–42 mm 6–42 mm 6–64 mm 64–120 mm 3–16 mm 3–25 mm 3–28 mm 3–35 mm 3–42 mm 8–42 mm 8–64 mm	113225
P 10–40, s 4,5	Plastic pipes, composite tubes	s ≤ 4,5 mm	REMS RAS P 10–32 T REMS RAS P 10–40 T	10–32 mm 10–40 mm	290023
P 10–63, s 7	Plastic pipes, composite tubes	s ≤ 7 mm	REMS RAS P 10–40 REMS RAS P 10–63	10–40 mm 10–63 mm	290016
P 50–315, s 11	Plastic pipes, composite tubes	s ≤ 11 mm	REMS RAS P 50–110 REMS RAS P 110–160 REMS RAS P 180–315	50–110 mm 110–160 mm 180–315 mm	290116
P 50–315, s 16	Plastic pipes, composite tubes	s ≤ 16 mm	REMS RAS P 50–110 REMS RAS P 110–160 REMS RAS P 180–315	50–110 mm 110–160 mm 180–315 mm	290216
P 50–315, s 19	Plastic pipes, composite tubes	s ≤ 19 mm	REMS RAS P 50–110 REMS RAS P 110–160 REMS RAS P 180–315	50–110 mm 110–160 mm 180–315 mm	290316
W INOX 10-32/40 S, on needle bearings	Corrugated metal hoses (corrugated pipes) of stainless steel		REMS RAS W INOX 10-32/40 S	DN 10–32 (40)	113461

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Dimensional data for REMS cutter wheels				
REMS cutter wheel	Art.-No.	OD mm	W mm	ID mm
St ½–4", s 8	341614	32.30	18.94	9.04
St 1–4", s 12	381622	41.30	18.94	9.04
Cu-INOX 3–120, s 4	113210	19.70	4.93	5.00
Cu-INOX 3–120 S, s 4	113213	19.70	4.93	5.00
Cu-INOX b 3, s 4	113220	18.70	3.07	4.80
Cu 3–120, s 3	113225	18.70	4.93	5.00
P 10–40, s 4,5	290023	20.50	4.93	5.00
P 10–63, s 7	290016	25.20	5.97	6.00
P 50–315, s 11	290116	35.30	10.95	8.00
P 50–315, s 16	290216	45.30	10.95	8.00
P 50–315, s 19	290316	51.30	10.95	8.00
W INOX 10-32/40 S	113461	26.60	4.93	5.00



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, copper	Ø 12 – 28 mm 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

**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, 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



Info

### Supply format

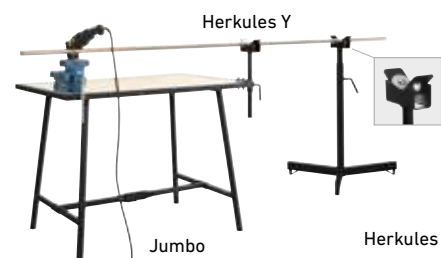
**REMS Nano Basic-Pack.** Electric pipe cutting machine for fast, right angled cutting of pipes Ø 10 – 40 mm, without outer burr. For pipes of the press fitting systems made of stainless steel, carbon steel, Ø 12 – 28 mm, copper Ø 10 – 35 mm. Multilayer composite tubes Ø 10 – 40 mm. With maintenance-free 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.

	Art.-No.	
	844010	



### Accessories

Description	Art.-No.	
<b>REMS cutter wheel Cu-INOX</b> for stainless steel pipes of pressfitting systems, copper, carbon steel	844050	
<b>REMS cutter wheel V</b> for multilayer composite pipes	844051	
<b>Carrying bag</b>	574436	
<b>L-Boxx system case</b> with inlay for REMS Nano/ Nano 11 V, rapid charger, battery, REMS REG 8 – 35, 2 x REMS cutter wheels, metre rule	844045	
<b>REMS Jumbo</b> , folding workbenches, see page 106.		
<b>REMS Herkules</b> , material supports, see page 107.		



# REMS Nano 11 V

Cordless pipe cutter

Powerful, mobile, 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, copper	Ø 12–28 mm Ø 10–35 mm
Multilayer composite pipes	Ø 10–40 mm

**REMS Nano 11 V – cutting up to Ø 40 mm. Mobile, handy, 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.

### 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-Ion technology

Battery Li-Ion 10.8 with 2.5 Ah capacity. Light and powerful. High energy density for many cuts. Overheating and overloading protection by temperature monitor (NTC). Rapid charger 220–240 V, 10.8–18 V, 65 W, for short charging times. No memory effect for maximum battery performance.

### REMS cutter wheels

Top German quality. Cutter wheels specially designed to the performance capability of the REMS Nano 11 V 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



Info

### Supply format

**REMS Nano 11 V 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, 2.5 Ah, rapid charger 220–240 V, 50–60 Hz, 10.8–18 V, 65 W. Counter pressures rollers made of hardened precision steel. Single open ended wrench size 8. Without cutting wheel. In carrying bag.

	Art.-No.	
	844011	

### Accessories

Description	Art.-No.
<b>REMS cutter wheel Cu-INOX</b> for stainless steel pipes of pressfitting systems, copper, carbon steel	844050
<b>REMS cutter wheel V</b> for multilayer composite pipes	844051
<b>Battery Li-Ion 10.8 V, 2.5 Ah</b>	844510
<b>Rapid charger 220–240 V, 50–60 Hz, 10.8–18 V, 65 W</b>	571560
<b>Carrying bag</b>	574436
<b>L-Boxx system case</b> with inlay for REMS Nano/ Nano 11 V, rapid charger, battery, REMS REG 8–35, 2x REMS cutter wheels, metre rule	844045
<b>REMS Jumbo</b> , folding workbenches, see page 106.	
<b>REMS Herkules</b> , material supports, see page 107.	



Light, portable compact machine. Universal for cutting and deburring pipes. For trade and industry. 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 6 – 100 Ø ½ – 4", Ø 10 – 115 mm
Cast iron pipes (SML) EN 877 (DIN 19522)	DN 50 – 100
Plastic pipes SDR 11	
Wall thickness $s \leq 10$ mm	Ø 10 – 110 mm Ø ½ – 4"
Multilayer composite pipes	Ø 10 – 110 mm
<b>REMS Cento RF Set</b>	
Welded drain pipe/down pipe made of stainless steel (EN 1124)	Ø 40 – 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. For workbench, stand or wheel stand as an accessory, for easy transport, optimum working height and stable positioning. An alternative feed lever is available for operating the drive unit on the floor, see accessories.

### Running rollers

4 strong hardened precision tubular steel running rollers on ball bearings for low-friction turning of the pipes Ø 22 – 115 mm, Ø ¾ – 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 x 220 mm on the running rollers. REMS Cento RF with 4 sturdy polyamide rollers mounted on ball bearings, to avoid damage to the pipe surfaces, for low-friction rotation of the welded drain pipes/downpipes of stainless steel (EN 1124) Ø 40 – 110 mm to be cut; pipe guides Ø 75 and 110 mm prevent the pipe from becoming oval shaped.

### 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.

### Pipe support

Pipe support, height adjustable, for pipes Ø 40 – 110 mm, Ø 1½ – 4", with operation of the drive unit with feed lever on the floor. 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.

### REMS pipe deburrer

Inner pipe deburrer REMS REG 28 – 108 for pipes Ø 28 – 108 mm, Ø ¾ – 4", with circulating friction element on the deburrer housing (**Patent EP 2 500 122**) for electrical rotary drive by the cutting wheel of the REMS Cento, REMS Cento 22V pipe cutting machine, as an accessory. Outer/inner pipe deburrer REMS REG 10 – 54 E for pipes Ø 10 – 54 mm, Ø ½ – 2½", for electric drive with the REMS Cento, REMS Cento 22V pipe cutting machines, see page 101.

### Marking device

Marking device for marking the insertion depth for fittings on pipes, as an accessory.

Patent EP 1 782 904



German Quality Product



Info

### Supply format

**REMS Cento Basic.** Pipe cutting machine for fast, right angled, cutting of pipes with no outer burr 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 6–100, Ø ½–4", Ø 10–115 mm, cast pipes (SML) EN 877 (DIN 19522) DN 50–100, plastic tubes SDR 11, wall thickness  $s \leq 10$  mm, Ø 10–110 mm, Ø ½–4", 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 foot-switch. Ring spanner. Without cutter wheel. For workbench, stand or wheel stand. In a carton.

	Art.-No.	
	845001	

Other voltages on request.



### Supply format

**REMS Cento RF Set.** Pipe cutting machine especially for fast, right-angled cutting of welded drain pipes/down pipes made of stainless steel (EN 1124) Ø 40–110 mm. As Art. No. 845001, but with rollers made of polyamide and pipe guides Ø 75 and 110 mm. Safety foot switch. Ring spanner. With cutting wheel RF. For workbench, stand or wheel stand. In a carton.

	Art.-No.	
	845003	

Other voltages on request.



### Accessories

Description	Art.-No.	
<b>Feed lever</b> with spring plug for operating the drive unit on the floor (for drive units manufactured from 2014 onwards).	845218	
<b>REMS cutter wheel Cu-INOX</b> for stainless steel pipes of pressfitting systems, copper, carbon steel	845050	
<b>REMS cutter wheel Cu</b> specially for pipes of copper pressfitting systems	845053	
<b>REMS cutter wheel St</b> for steel pipes, cast iron pipes (SML)	845052	
<b>REMS cutter wheel V</b> for plastic and multilayer composite pipes, wall thickness $s \leq 10$ mm	845051	
<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 cutting wheel RF</b> for cutting welded drain pipes/down pipes made of stainless steel (EN 1124) with REMS Cento RF.	845054	
<b>Pipe support 1</b> , height adjustable, for pipes Ø 40–110 mm, Ø ½–4", with operation of the drive unit with feed lever on the floor	845220	
<b>Hardened, precision tubular steel rollers (pack of 4)</b>	845118	
<b>Stainless tubular steel INOX rollers (pack of 4)</b>	845110	
<b>Polyamide roller (pack of 4)</b>	845131	
<b>Marking device</b> for marking the insertion depth for fittings on pipes. For REMS Cento, REMS Cento 22V.	845530	
<b>REMS REG 10–54 E</b> , outer/inner pipe deburrer, see page 101		
<b>REMS REG 28–108</b> , inner pipe deburrer for pipes Ø 28–108 mm, Ø ¾–4", for electric rotary drive by the cutting wheel of the REMS Cento, REMS Cento 22V pipe cutting machine (with REMS cutting wheel Art. No. 845050 or 845053).	113840	
<b>Stand</b>	849315	
<b>Wheel stand</b>	849310	
<b>REMS Jumbo</b> , folding workbenches, see page 106.		
<b>REMS Herkules</b> , material supports, see page 107.		



Patent EP 2 500 122

# REMS Cento 22V

Cordless pipe cutting machine

Light, mobile compact machine. Universal for cutting and deburring pipes. For trade and industry. For the building site and the workshop. Li-Ion 22V Technology. For battery and corded operation.

Stainless steel pipes of pressfitting systems, carbon steel, copper	Ø 8–108 mm
Steel pipes EN 10255 (DIN 2440)	DN 6–100 Ø ½–4", Ø 10–115 mm
Cast iron pipes (SML) EN 877 (DIN 19522)	DN 50–100
Plastic pipes SDR 11	
Wall thickness $s \leq 10$ mm	Ø 10–110 mm Ø ½–4"
Multilayer composite pipes	Ø 10–110 mm

**REMS Cento 22V – Mobile cutting and deburring up to Ø 115 mm. Super fast. Right angled. Chip-free. No outer burr. Dry cutting. Li-Ion 22V Technology. Li-Ion 21.6V, 5.0 Ah battery, for approx. 280 stainless steel pipe sections of the Ø 22 mm press fitting systems with one battery charge\*.**

**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 cordless pipe cutting machine for fast, right angled, cutting with no outer burr. Handy and light, drive unit with battery only 17.6 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. Practical handle for easy transport. Connection for driving outer/inner pipe deburrer REMS REG 10–54 E. For workbench, stand or wheel stand as an accessory, for easy transport, optimum working height and stable positioning. An alternative feed lever is available for operating the drive unit on the floor, see accessories.

## Running rollers

4 strong hardened precision tubular steel running rollers on ball bearings for low-friction turning of the pipes Ø 22–115 mm, Ø ¾–4" 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 x 220 mm on the running rollers.

## Drive

Robust gear, precisely mounted in roller and needle bearings, maintenance-free. Powerful 21.6 V battery motor, e.g. stainless steel pipe Ø 54 mm in just 7 s. Ideal speed 84 rpm for optimum cutting speed of the pipes. Machine status check with overload protection of the drive unit against too high currents, with overheating protection by motor temperature monitoring (NTC), with electronic battery charging status check with charging level indication by a 2-coloured green/red LED. Safety foot-switch with emergency stop.

## Battery or mains operation

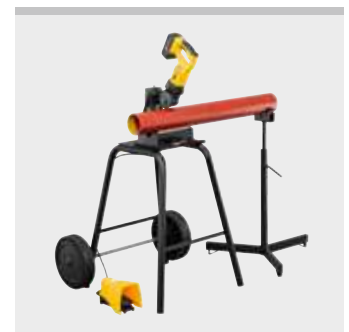
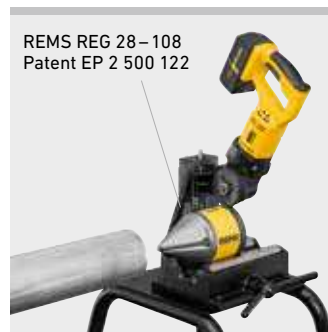
Li-Ion 22V Technology. Highly resistant Li-Ion 21.6V battery with 4.4, 5.0 or 9.0 Ah capacity, for long service life. Light and powerful. Li-Ion 21.6V, 4.4Ah battery for approx. 246 stainless steel pipe sections, 5.0Ah battery for approx. 280 stainless steel pipe sections, 9.0Ah for approx. 520 stainless steel pipe sections of the Ø 22mm press fitting systems with one battery charge\*. Graduated charging status check by coloured LEDs. Operating temperature range – 10 to + 60 °C. No memory effect for maximum battery power. Rapid charger 100–240V, 90W. Rapid charger 100–240V, 290W, for shorter charging times, as accessory. Voltage supply 220–240V/21.6V, 40A output, for mains operation instead of Li-Ion battery 21.6 V, as accessory.

## REMS cutter wheels

Top German quality. Cutter wheels specially designed to the performance capability of the REMS Cento 22V 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 support

Pipe support, height adjustable, for pipes Ø 40–110 mm, Ø 1½–4", with operation of the drive unit with feed lever on the floor. 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



Info



### REMS pipe deburrer

Inner pipe deburrer REMS REG 28–108 for pipes  $\varnothing$  28–108 mm,  $\varnothing$   $\frac{3}{4}$ –4", with circulating friction element on the deburrer housing (**Patent EP 2 500 122**) for electrical rotary drive by the cutting wheel of the REMS Cento, REMS Cento 22V pipe cutting machine, as an accessory. Outer/inner pipe deburrer REMS REG 10–54 E for pipes  $\varnothing$  10–54 mm,  $\varnothing$   $\frac{1}{2}$ –2 $\frac{1}{8}$ ", for electric drive with the REMS Cento, REMS Cento 22V pipe cutting machines, see page 101.

### Marking device

Marking device for marking the insertion depth for fittings on pipes, as an accessory.

### Supply format

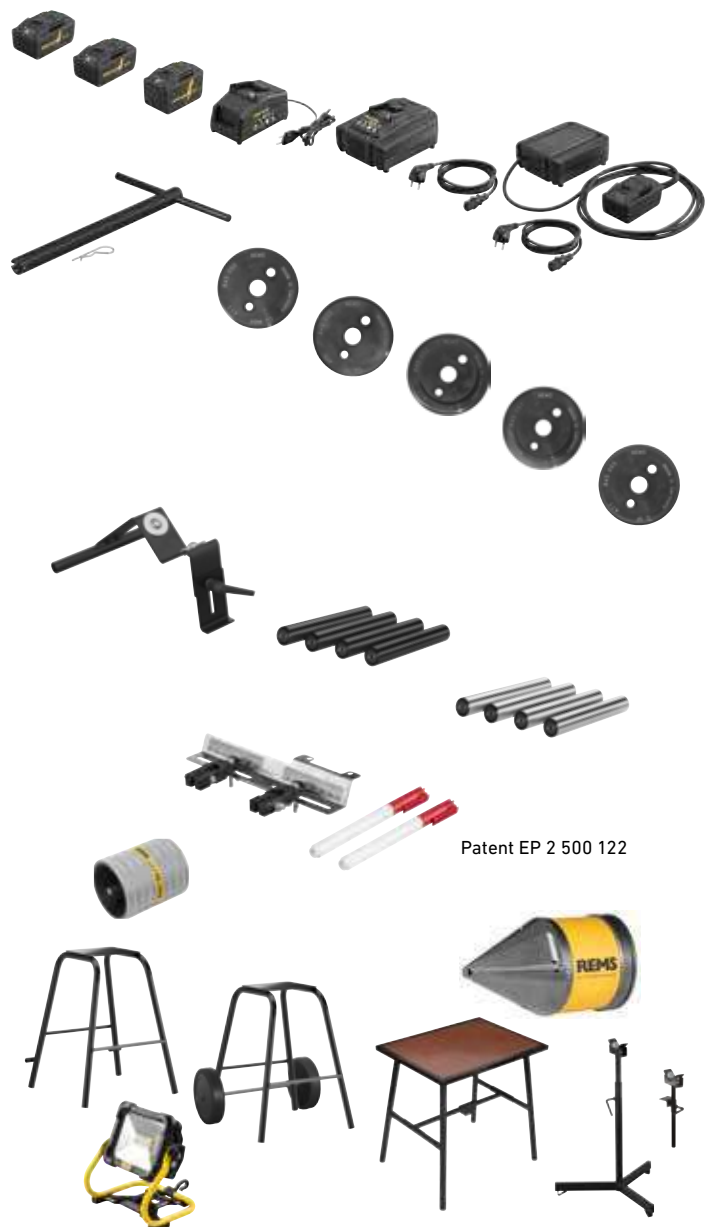
**REMS Cento 22V Basic.** Cordless pipe cutting machine for fast, right angled, cutting of pipes with no outer burr  $\varnothing$  8–115 mm. For pipes of the press fitting systems made from stainless steel, carbon steel, copper,  $\varnothing$  8–108 mm. For steel pipes EN 10255 (DIN 2440) DN 6–100,  $\varnothing$   $\frac{1}{8}$ –4",  $\varnothing$  10–115 mm, cast pipes (SML) EN 877 (DIN 19522) DN 50–100, plastic tubes SDR 11, wall thickness  $s \leq 10$  mm,  $\varnothing$  10–110 mm,  $\varnothing$   $\frac{1}{8}$ –4", composite tubes  $\varnothing$  10–110 mm. With maintenance-free gear, powerful 21.6 V battery motor. Speed 84 rpm. Machine status check with overload protection, temperature monitoring, battery charging status check. Rollers in hardened precision steel pipe for pipes  $\varnothing$  22–115 mm,  $\varnothing$   $\frac{3}{4}$ –4". Safety foot-switch. Li-Ion 21.6V, 5.0Ah battery, 100–240V, 50–60 Hz, 90W rapid charger. Ring spanner. Without cutter wheel. For workbench, stand or wheel stand. In a carton.

	Art.-No.
	845002

Other voltages on request.

### Accessories

Description	Art.-No.
<b>Battery Li-Ion 21.6V, 4.4 Ah</b>	571574
<b>Battery Li-Ion 21.6V, 5.0 Ah</b>	571581
<b>Battery Li-Ion 21.6V, 9.0 Ah</b>	571583
<b>Rapid charger 100–240V, 50–60 Hz, 90W</b>	571585
<b>Rapid charger 100–240V, 50–60 Hz, 290W</b>	571587
<b>Voltage supply 220–240V/21.6V, 50–60 Hz, 40A</b> , for mains operation instead of battery Li-Ion 21.6V	571578
<b>Feed lever</b> with spring plug for operating the drive unit on the floor.	845218
<b>REMS cutter wheel Cu-INOX</b> for stainless steel pipes of pressfitting systems, copper, carbon steel	845050
<b>REMS cutter wheel Cu</b> specially for pipes of copper pressfitting systems	845053
<b>REMS cutter wheel St</b> for steel pipes, cast iron pipes (SML)	845052
<b>REMS cutter wheel V</b> for plastic and multilayer composite pipes, wall thickness $s \leq 10$ mm	845051
<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>Pipe support 1</b> , height adjustable, for pipes $\varnothing$ 40–110 mm, $\varnothing$ $1\frac{1}{2}$ –4", with operation of the drive unit with feed lever on the floor	845220
<b>Hardened, precision tubular steel rollers (pack of 4)</b>	845118
<b>Stainless tubular steel INOX rollers (pack of 4)</b>	845110
<b>Marking device</b> for marking the insertion depth for fittings on pipes. For REMS Cento, REMS Cento 22V.	845530
<b>REMS REG 10–54 E</b> , outer/inner pipe deburrer, see page 101	
<b>REMS REG 28–108</b> , inner pipe deburrer for pipes $\varnothing$ 28–108 mm, $\varnothing$ $\frac{3}{4}$ –4", for electric rotary drive by the cutting wheel of the REMS Cento, REMS Cento 22V pipe cutting machine (with REMS cutting wheel Art. No. 845050 or 845053).	113840
<b>Stand</b>	849315
<b>Wheel stand</b>	849310
<b>REMS Jumbo</b> , folding workbenches, see page 106.	
<b>REMS Herkules</b> , material supports, see page 107.	
<b>REMS Lumen 2800 22V</b> , cordless LED flood light, see page 111	



Patent EP 2 500 122

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 40–150 Ø 1½–6"
Cast iron pipes (SML) EN 877 (DIN 19522)	DN 50–200
Plastic pipes SDR 11	
Wall thickness $s \leq 21$ 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.

**Right angled cutting**, according to requirements  
**Chip-free**, 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 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. 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 to be cut, arranged in convex square for centred thrust pressure of the cutting wheel in the working range Ø 100–225 mm, Ø 4–6", without setting work (**Patent EP 2 740 556**). Roller insert for cutting pipes Ø 40–110 mm, Ø 1½–4", 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 foot-switch 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

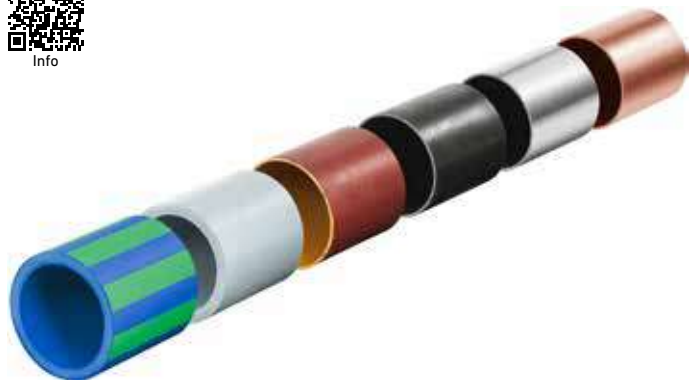
Pipe supports, height adjustable, for pipes Ø 40–110 mm, Ø 1½–4" and Ø 100–225 mm, Ø 4–8". Easy moving of the material in all directions when turning, pulling and pushing by four stainless steel balls mounted in a rust-protected housing. Safe guiding of long pipes by use of several pipe supports.



German Quality Product



Info



## 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 40–150, Ø 1½–6", cast pipes (SML) EN 877 (DIN 19522) DN 50–200, plastic tubes SDR 11, wall thickness  $s \leq 21$  mm, Ø 40–225 mm, Ø 1½–8", 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. 2 height adjustable pipe supports 1 for pipes Ø 100–225 mm, Ø 4–8". In a carton.

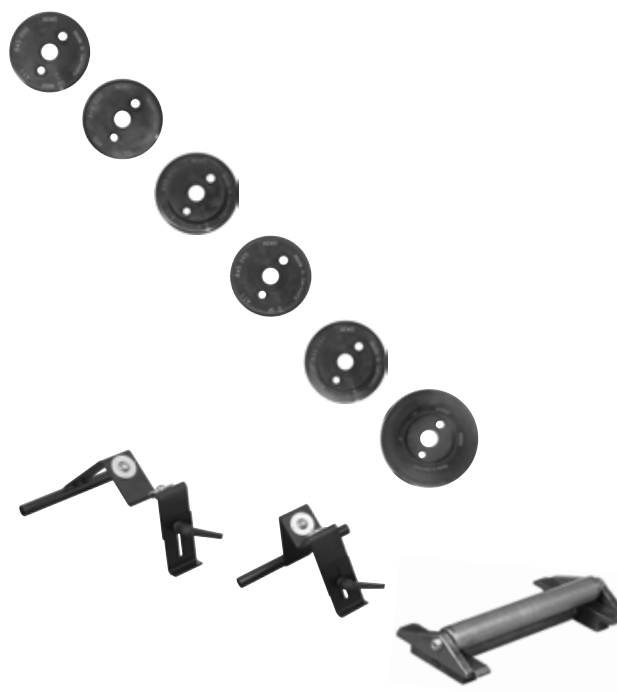
	Art.-No.	
	845004	

Other voltages on request.



## Accessories

Description	Art.-No.	
<b>REMS cutter wheel Cu-INOX</b> for stainless steel pipes of pressfitting systems, copper, carbon steel	845050	
<b>REMS cutter wheel Cu</b> 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 $s \leq 10$ mm	845051	
<b>REMS cutter wheel P, s 21</b> for plastic and multilayer composite tubes, wall thickness $s \leq 21$ mm	845057	
<b>Pipe support 1</b> , height adjustable for pipes Ø 100–225 mm, Ø 4–8"	845220	
<b>Pipe support 2</b> , height adjustable, for pipes Ø 40–110 mm, Ø 1½–4" (roller insert required)	845230	
<b>Roller insert</b> for cutting pipes Ø 40–110 mm, Ø 1½–4"	845060	



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

Flexible plastic hoses,  
soft plastic pipes  $\leq \varnothing 28 \text{ mm}$   
 $\leq \varnothing 1\frac{1}{8} \text{''}$

### REMS ROS P flex – Fast cutting in one cut. Ideal for cutting flexible plastic hoses and soft plastic pipes.

Stable magnesium version, extremely light.

Ergonomically designed handles for fast cutting in one cut. For one-hand operation.

Blade drawback by spring-loaded articulated lever.

Specially hardened and specially ground, wedge-shaped blade with cutting angle of 110°, PTFE-coated. Ideal for cutting hoses and soft plastic pipes.

Right-angled, burr-free cutting by pipe rests on both sides and bilaterally clamped blade.

One-hand locking for safe transport and protection of the blade.

Chip-free cutting – no chips left in the pipe.

REMS ROS P flex 28 S with softgrip. Needle bearing-mounted articulated lever for easy cutting in one step.



Info



### Supply format

REMS ROS P flex. One-hand pipe shears for flexible plastic hoses and soft plastic pipes. With blade. In blister pack.

Description	Pipes $\leq \varnothing$ mm/inch	Art.-No.
<b>P flex 14</b>	14 $\frac{9}{16} \text{''}$	291400
<b>P flex 22</b>	22 $\frac{7}{8} \text{''}$	291410
<b>P flex 28 S</b> on needle bearings	28 $1\frac{1}{8} \text{''}$	291430

### Accessories

Description	Art.-No.
<b>Blade P flex 14</b> for REMS ROS P flex 14	291401
<b>Blade P flex 22</b> for REMS ROS P flex 22	291411
<b>Blade P flex 28</b> for REMS ROS P flex 28 S	291431



# REMS ROS P 26/SW 35 S

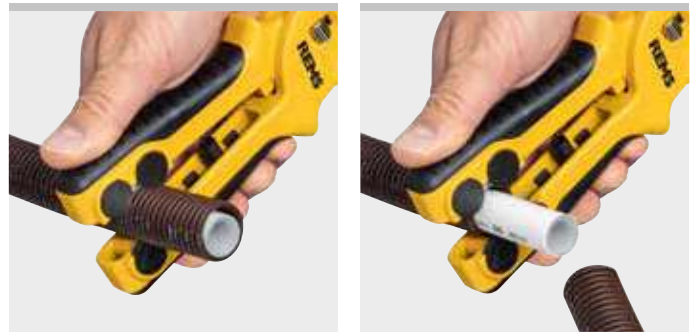
One-hand pipe shears

Robust quality tool for clean, fast cutting of pipes in one cut. With integrated pipe cutter for protective corrugated tubes. Stable magnesium version. For one-hand operation.

Plastic tubes, composite tubes	≤ Ø 26 mm ≤ Ø 1"
Protective corrugated plastic tubes	Ø 18–35 mm Ø ¾–1 ⅜"

**REMS ROS P 26/SW 35 S – Universal for many materials. Ideal for cutting composite pipes and PEX pipes. Fast cutting in one cut. With integrated pipe cutter for protective plastic corrugated tube.**

- Stable magnesium version, extremely light.
- Ergonomically designed handles with softgrip for fast cutting in one cut. For one-hand operation.
- Needle bearing-mounted articulated lever for easy cutting in one step.
- Blade drawback by spring-loaded articulated lever.
- One-hand locking for safe transport and protection of the blade.
- Specially hardened and specially ground, rounded blade for low-wear working, PTFE-coated. 4 counter pressure rollers on needle bearings. For easy swivelling of the pipe shears during the cutting process. Ideal for cutting composite pipes, PEX pipes and similar.
- Right-angled, burr-free cutting by extra-wide pipe rests on both sides and bilaterally clamped blade.
- Cutting of protective corrugated pipes by 4 cutting tools at the end of the handle.
- Three-edged, wedge-shaped cutting tools with a cutting angle of 120°, rotatable 3 times by 120° for three times longer life.
- Cutting depth limiting of the cutting tools during cutting of corrugated protective pipes prevents damage to the inside of the pipe.
- Chip-free cutting – no chips left in the pipe.



Info

## Supply format

**REMS ROS P 26/SW 35 S.** One-hand pipe shears for plastic and composite pipes with integrated pipe cutter for plastic corrugated protective pipes. 4 counter pressure rollers on needle bearings. With blade and 4 cutting tools. In blister pack.

	Pipes ≤ Ø mm/inch	Art.-No.
	P 26/1"	291242
	SW 35/1 ⅜"	

## Accessories

Description	Art.-No.
<b>Blade P 26/SW 35</b> for REMS ROS P 26/SW 35 S	291243
<b>Cutting tool P26/SW 35, pack of 4</b> for REMS ROS P 26/SW 35 S	291244



# REMS ROS P/PEX

## One-hand pipe shears

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

Plastic pipes, multilayer composite pipes  $\leq \varnothing 26 \text{ mm}$   
 $\leq \varnothing 1''$

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

Stable magnesium version, extremely light.

Ergonomically designed handles for fast cutting in one cut. For one-hand operation.

Blade drawback by spring-loaded articulated lever.

One-hand locking for safe transport and protection of the blade.

Specially hardened and specially ground blade, PTFE-coated.

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

Chipless cutting – no chips remaining in pipe.



Info



### Supply format

**REMS ROS P 26.** One-hand pipe shears for plastic and multilayer composite tubes. With blade. In blister pack.

	Pipes $\leq \varnothing$ mm/inch	Art.-No.	
	26		
	1"	291240	

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

PEX pipes and similar  $\leq \varnothing 28 \text{ mm}$   
 $\leq \varnothing 1\frac{1}{8}''$

### REMS ROS PEX 28 S – fast cutting in one cut. Ideal for cutting PEX pipes.

Stable magnesium version, extremely light.

Ergonomically designed handles with softgrip for fast cutting in one cut. For one-hand operation.

Needle bearing-mounted articulated lever for easy cutting in one step.

Blade drawback by spring-loaded articulated lever.

One-hand locking for safe transport and protection of the blade.

Specially hardened and specially ground, wedge-shaped blade with cutting angle of 150° for low-wear working, PTFE-coated. Ideal for cutting PEX pipes.

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

Chipless cutting – no chips remaining in pipe.



Info



### Supply format

**REMS ROS PEX 28 S.** One-hand pipe shears for PEX pipes, on needle bearing. With blade. In blister pack.

	Pipes $\leq \varnothing$ mm/inch	Art.-No.	
	28 / 1 1/8"	291420	

### Accessories

Description	Art.-No.	
<b>Blade P 26</b> for REMS ROS P 26	291241	
<b>Blade PEX 28</b> for REMS ROS PEX 28 S	291421	



# REMS ROS P

One-hand pipe shears with ratchet feed/  
pipe shears with ratchet feed

Handy quality tools for clean, fast pipe cuts.  
For thin-walled pipes also. Sturdy aluminium/  
magnesium version. For single-hand operation.

Plastic pipes, multi-layer composite tubes ≤ Ø 63 mm  
≤ Ø 2"

## REMS ROS P 35 / ROS P 35 A / ROS P 42 / ROS P 42 PS / ROS P 42 S / ROS P 63 P / ROS P 63 S

Sturdy aluminium version, REMS ROS P 42 S and magnesium (Mg) version  
P 63 S, ultra light.

Specially hardened, wedge-shaped blade, also for thin-walled pipes.

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.

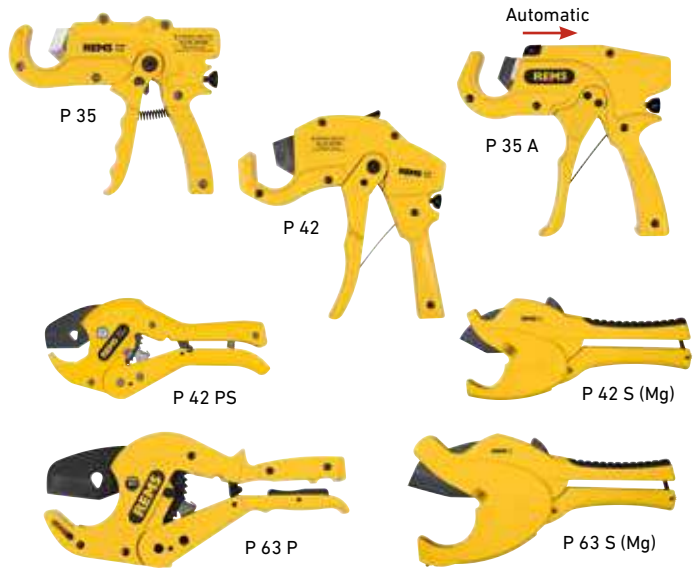
Chipless cutting – no chips remaining in pipe.



### Supply format

**REMS ROS P.** One-hand pipe shears for plastic pipes and multi-layer composite  
tubes. With blade. In blister pack/in box.

Description	Pipes ≤ Ø mm/inch	Art.-No.
<b>P 35</b> with quick reverse	35 1 3/8"	291200
<b>P 35 A</b> with automatic quick reverse	35 1 3/8"	291220
<b>P 42</b> with quick reverse	42 1 5/8"	291250
<b>P 42 PS</b> with quick reverse	42 1 5/8"	291000
<b>P 42 S</b> with quick reverse	42 1 5/8"	291010
<b>P 63 P</b> with quick reverse	63 2"	291270
<b>P 63 S</b> with quick reverse	63 2"	291290



Robust quality tools for clean, fast pipe cuts.  
Robust steel version.

Plastic pipes ≤ Ø 75 mm, ≤ Ø 2 1/2"

## REMS ROS P 75 P

Robust steel version for rugged conditions and long life, with end stop for  
powerful engagement, also ideal for thick-walled plastic pipes.

Rough, non-slip handle for good grip.

Specially hardened and specially ground, wedge-shaped blade with cutting angle  
of 150° for low-wear working.

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 75 P.** Pipe shear for plastic pipes. With blade. In a carton.

Description	Pipes ≤ Ø mm/inch	Art.-No.
	75 / 2 1/2"	291101

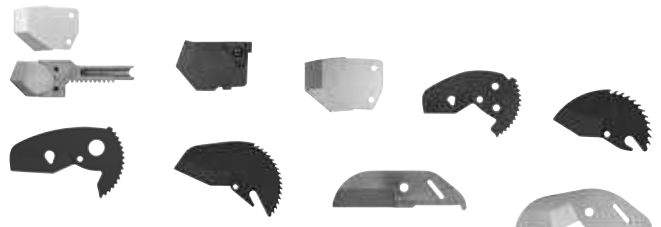


Info



### Accessories

Description	Art.-No.
<b>Blade P 35</b> for REMS ROS P 35	291201
<b>Blade P 35 A</b> for REMS ROS P 35 A	291221
<b>Blade P 42</b> for REMS ROS P 42	291251
<b>Blade P 42 PS</b> for REMS ROS P 42 PS	291023
<b>Blade P 42 S</b> for REMS ROS P 42 S	291036
<b>Blade P 63 P</b> for REMS ROS P 63 P	291271
<b>Blade P 63 S</b> for REMS ROS P 63 S	291037
<b>Blade P 75 P</b> for REMS ROS P 75 P	291112



# REMS Cut 110 P

Pipe cutting and pipe chamfering tool

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 accommodates 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

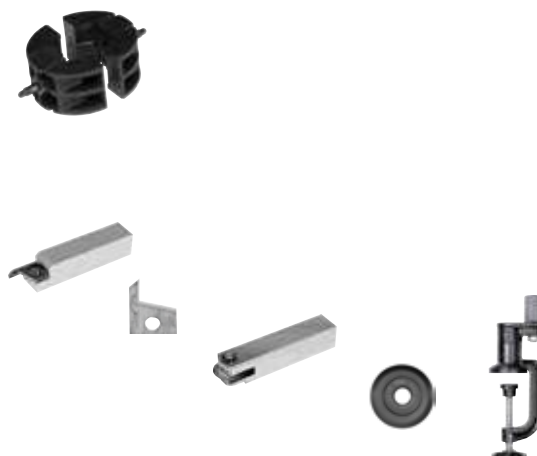
**REMS Cut 110 P Set.** Pipe cutting and pipe chamfering tool for plastic pipes in ABS, PB, PE, PE-HD, PE-X, PP, PVC, PVDF, Ø 40 – 110 mm. Quick clamping device Ø 110 mm with 2 each of clamping inserts Ø 50 and 75 mm. Tool set P with cutting and chamfering blade P, s 11. In sturdy case.

Description	Art.-No.
<b>Set 50 + 75 + 110</b>	290400



## Accessories

Description	Pipes Ø mm	Art.-No.
<b>Clamping inserts (pack of 2)</b>	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	
<b>Tool set P</b>		
with cutting and chamfering blade P, s 11		290432
<b>Cutting and chamfering blade P, s 11</b>		290430
<b>Cutting and chamfering blade P, s 15.5</b>		290431
<b>Tool set Cu-INOX</b>		
with cutter wheel Cu-INOX 3 – 120, s 4		290433
<b>REMS cutter wheel Cu-INOX 3 – 120, s 4</b>		113210
<b>Holder for work bench</b>		290440
<b>Case</b>		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 copper drainpipe/downpipe,  
Titanium zinc, stainless steel (EN 1124) Ø 50–110 mm

## REMS Cut 110 Cu-INOX – Easy cutting of downpipes.

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 96.



## Supply format

**REMS Cut 110 Cu-INOX Set.** Pipe cutter for welded drainpipes/downpipes made of copper, titanium zinc, stainless steel (EN 1124), Ø 50–110 mm. Quick action clamp Ø 110 mm with clamp inserts. Tool set Cu-INOX with cutter wheel Cu-INOX 3–120, s 4. In sturdy case.

Description	Art.-No.
<b>Set 50 + 75 + 110</b>	290412
<b>Set 60 + 80 + 100 + 110</b>	290410
<b>Set 76 + 87 + 100 + 110</b>	290411



## Accessories

Description	Art.-No.
<b>Clamp inserts</b> , see page 96.	
<b>Tool set Cu-INOX</b> with cutter wheel Cu-INOX 3–120, s 4	290433
<b>REMS cutter wheel Cu-INOX 3–120, s 4</b>	113210
<b>Holder for work bench</b>	290440



Handy quality tools for simple and fast external chamfering (15°) of pipes.

Plastic pipes  $\varnothing$  16 – 250 mm,  $\varnothing$  3/4 – 10"

Wall thickness  $\leq$  PN 16

### REMS RAG – chamfering at 15°.

Chamfering at 15° on commonly used plastic pipes.

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

Easily adjusted for pipe diameter and wall thickness.

Very fast and easy chamfering due to a particularly favourable cutting geometry of the chamfering blades.

Two adjacent, identical chamfering blades, one of which cuts the chamfer and the other one serves as a support for the pipe during chamfering. If the cutting chamfering blade is worn, it can be exchanged with the support part, for double the service life.

Easy-to-slide V-block with two different bevel angles for good guidance of small pipe sizes. In high-grade, glass-fibre reinforced polyamide.



German Quality Product



### Supply format

**REMS RAG.** Pipe chamfering tool for plastic pipes. With blades. In a carton.

Description	Pipes $\leq$ $\varnothing$ mm/inch	Art.-No.
<b>P 16 – 110</b>	16 – 110 / 3/4 – 4"	292110
<b>P 32 – 250</b>	32 – 250 / 1 1/4 – 10"	292210

### Accessories

Description	Art.-No.
<b>Chamfering blades (pack of 2)</b> 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.

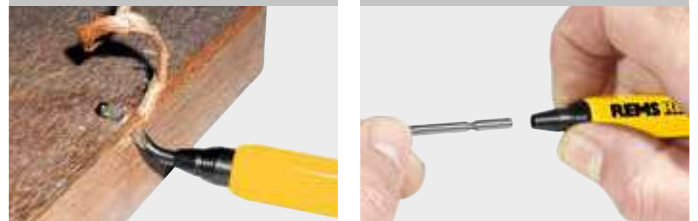
Robust metal design for tough use.

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

Description	Art.-No.	
<b>Universal deburring blade, ground</b>	113360	



# REMS REG St ¼ – 2"

Inner pipe deburrer

Robust quality tool for inner pipe deburring.

For electric operation.

Steel pipes and other pipes Ø ¼ – 2"

## REMS REG St ¼ – 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.



German Quality Product



### Supply format

**REMS REG St ¼ – 2".** Inner pipe deburrer for electric operation. For steel pipes and other pipes, Ø ¼ – 2". In a carton.

	Art.-No.	
	731700	

# REMS REG 3 – 35

Outer-inner tube deburrer

Sturdy manual tool for outer-inner tube deburring.

Copper, brass, aluminium, steel, plastic tubes

Ø 3 – 35 mm  
Ø ⅛ – 1⅜"

## 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.



German Quality Product

### Supply format

**REMS REG 3 – 35.** Outer-inner tube deburrer. For copper, brass, aluminium, steel, plastic tubes, Ø 3 – 35 mm, Ø ⅛ – 1⅜". In blister pack.

	Art.-No.	
	113900	

# REMS REG 8 – 35

Outer-inner pipe deburrer

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

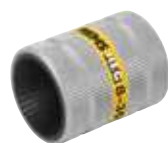
Stainless steel pipes, other steel pipes, copper, brass, aluminium, plastic pipes

Ø 8 – 35 mm  
Ø 3/8 – 1 3/8"

## 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, Ø 8 – 35 mm, Ø 3/8 – 1 3/8". In blister pack.

	Art.-No.	
	113825	

# REMS REG 10 – 42

Outer-inner pipe deburrer

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 1/2 – 1 5/8"

## 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 22V VE cordless drill/screwdriver (page 108) and other power drills/screwdrivers (speed ≤ 300 rpm), as an accessory.



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, Ø 10 – 42 mm, Ø 1/2 – 1 5/8". Without adapter for electric drive. In blister pack.

	Art.-No.	
	113810	

### Accessories

Description	Art.-No.	
<b>Adapter for REMS REG 10 – 42</b>	113815	
REMS Helix 22V VE, cordless drill/screwdriver, see page 108		



# 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

Ø 10 – 54 mm  
Ø ½ – 2 1/8"

## 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 ½ – 2 1/8". In blister pack.

	Art.-No.	
	113830	

# REMS REG 10 – 54 E

Outer-inner pipe deburrer

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 – 2 1/8"

## 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.

Integrated hexagonal driver for electrical drive by REMS Helix 22V VE cordless drill/screwdriver (page 108) and other power drills/screwdrivers with 1/4" bit holders (speed ≤ 300 rpm), by the REMS Cento or REMS Cento 22V pipe cutting machine (page 86 – 89) and by the REMS Turbo Cu-INOX pipe circular sawing machine (page 72) (**Patent EP 2 058 067**).

Robust metal design for tough use.



### 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 ½ – 2 1/8". In blister pack.

	Art.-No.	
	113835	

### Accessories

#### Description

**REMS Helix 22V VE**, cordless drill/screwdriver, see page 108

**REMS Cento**, pipe cutting machine, see page 86

**REMS Cento 22V**, cordless pipe cutting machine, see page 88

**REMS Turbo Cu-INOX**, pipe circular sawing machine, see page 72



# Assembling

	<b>Water pump pliers</b>	<b>104</b>
	<b>Pipe workstation Chain pipe vices</b>	<b>105</b>
	<b>Folding workbenches</b>	<b>106</b>
	<b>Material supports</b>	<b>107</b>
	<b>Cordless power drill/screwdriver</b>	<b>108</b>
	<b>Electric LED flood light Cordless LED flood light</b>	<b>110</b>

# REMS Catch S

Swedish pattern wrench 'S'

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

Swedish model according to DIN 5234 - Form C.

Pipes ≤ Ø 3"  
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 ≤ Ø inch	Width mm	Art.-No.
S ½"	36	116000
S 1"	47	116005
S 1½"	60	116010
S 2"	78	116015
S 3"	112	116020



# REMS Catch W

Water pump pliers

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

According to ISO 8976 with box joint.

Pipes ≤ Ø 1½"  
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.



## Supply format

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

Description	Pipes ≤ Ø inch	Art.-No.
W 175	1"	116050
W 240	1¼"	116055
W 300	1½"	116060





# REMS Aquila 3B

Portable pipe workstation with chain pipe vice

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 1/8 – 6"
Load capacity	≤ 450 kg

## 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 3/8 – 3/4", 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 107).



Info



### Supply format

**REMS Aquila 3B.** Pipe workstation with chain pipe vice for clamping pipes, solid material Ø 10 – 165 mm, Ø 1/8 – 6". Work plate with integrated chain pipe vice with double clamping jaws, pipe rest, tool holders, 3 benders for bending pipes Ø 10 – 26 mm, Ø 3/8 – 3/4", clamping head. Folding tripod stand with shelf plate. Load capacity ≤ 450 kg. In a carton.

	Art.-No.	
	120270	

# REMS Aquila WB

Chain pipe vice for workbench

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.

Clamping range	Ø 10 – 165 mm Ø 1/8 – 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. Pay attention to load capacity of the workbench.

REMS Herkules height adjustable material supports (see page 107).



German Quality Product



Info



### Supply format

**REMS Aquila WB.** High quality chain pipe vice for clamping pipes, solid material Ø 10 – 165 mm, Ø 1/8 – 6". Base plate with integrated chain pipe vice with double clamping jaws, pipe rest, bending device. For work bench. In a carton.

	Art.-No.	
	120250	

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 × 22 mm
Height	800 mm
Weight	23 kg
Load capacity	≤ 300 kg

### REMS Jumbo – the indestructible folding workbench.

#### Handy and light. German quality product.

Work top	Beech-Multiplex, 1100 × 700 × 26 mm
Height	800 mm
Weight	28 kg
Load 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



Info

### Supply format

**REMS Jumbo.** Folding workbench with toggle catch. Worktop in accordance with DIN 68 705. Load capacity ≤ 300 kg. In a carton.

Description	Work top	Size mm	Art.-No.
<b>REMS Jumbo E</b>	Birch-Multiplex	800 × 600	120240
<b>REMS Jumbo</b>	Beech-Multiplex	1100 × 700	120200



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  $\varnothing$  (1/8) 3/4 – 6",  $\varnothing$  (6) 26 – 168 mm  
Load capacity  $\leq$  150 kg

### 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  $\varnothing$  3/4 – 6",  $\varnothing$  26 – 168 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.

Height adjustable, REMS Herkules 3B from 690 to 1,180 mm from the floor, REMS Herkules Y from 35 to 580 mm from the workbench surface.

### Supply format

**REMS Herkules.** Vertically adjustable material support for pipes, solid material  $\varnothing$  (1/8) 3/4 – 6",  $\varnothing$  (6) 26 – 168 mm. Optionally on tripod or with clamping device for workbench. Load capacity  $\leq$  150 kg. In a carton.

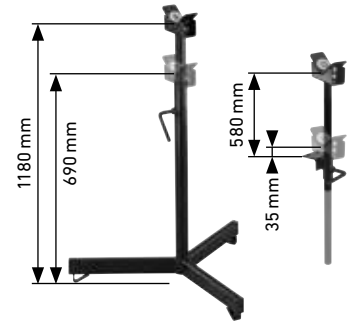
Description	Version	Art.-No.
<b>REMS Herkules 3B</b>	Tripod with protection caps	120120
<b>REMS Herkules Y</b>	Clamping fixture for work bench	120130



German Quality Product



Info



Height adjustable material support with ball guide for rotating and standing tubular and solid material. For trade and industry. For the building site and the workshop.

Pipes, solid material  $\varnothing$  (1/8) 1 1/4 – 12",  $\varnothing$  (6) 42 – 324 mm  
Load capacity  $\leq$  450 kg

### REMS Herkules XL 12" – extra stable for pipes up to 12".

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

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  $\varnothing$  1 1/4 – 12",  $\varnothing$  42 – 324 mm.

Robust, job site-proven design. Securely standing tripod, folds up for transport and storage.

Height adjustable from 505 to 915 mm from the floor.

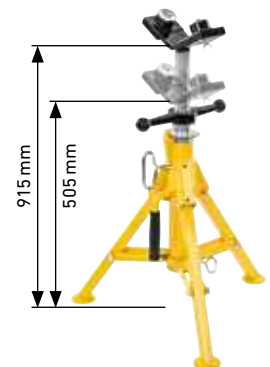
Threaded spindle for simple alignment of the pipe, with fixing device.

Practical handle for easy transport.

### Supply format

**REMS Herkules XL 12".** Height adjustable, fold-up for pipes, solid material  $\varnothing$  1 1/4 – 12",  $\varnothing$  42 – 324 mm. Load capacity  $\leq$  450 kg. In a carton.

Description	Version	Art.-No.
		120125



# REMS Helix 22 V VE

Cordless power drill/screwdriver

Powerful, mobile, handy power tool for drilling, driving in/loosening screws and deburring pipes. For assembly, disassembly, repair. Li-Ion 22V Technology. For battery and corded operation.

Drilling in steel, stone	≤ Ø 13 mm
Drilling in wood	≤ Ø 32 mm
Drilling with tile drills, e.g. in ceramic, fine clay, granite, marble	≤ Ø 14 mm
Driving in/loosening of screws	≤ Ø 8 mm

**REMS Helix 22 V VE – drilling, screw riving and deburring. With powerful, brushless battery motor.**

## Design

Ultra light, ultra small, ultra handy. Drive machine with battery pack weighs only 1.6 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 1.5–13 mm, right and left hand rotation. 2 continuously adjustable speed ranges from 0 to 560 rpm and 0 to 1,900 rpm, 15 torque stages plus drilling stage, hard torque of 50 Nm in both speed ranges, soft torque of 12 Nm in the fast and 30 Nm in the slow speed range for powerful screwdriving. 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, brushless battery motor 21.6 V, 500 W output, robust, 2-step, precision, ball bearing-mounted 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 560 rpm or 0 to 1,900 rpm (accelerator switch (VE)).

## Battery or mains operation

Li-Ion 22V Technology. Highly resistant Li-Ion 21.6 V battery with 1.5, 4.4, 5.0 or 9.0 Ah capacity, for long service life. Light and powerful. Graduated charging status check by coloured LEDs. Operating temperature range – 10 to + 60 °C. No memory effect for maximum battery power. Rapid charger 100–240 V, 90 W. Rapid charger 100–240 V, 290 W, for shorter charging times, as accessory. 220–240 V/21.6 V, 15 A output, voltage supply for mains operation instead of Li-Ion battery 21.6 V, as accessory.



Info

## Supply format

**REMS Helix 22 V VE Set.** Cordless power drill/screwdriver with Vario-Electronics (VE) for drilling in steel, stone,  $\leq \varnothing 13$  mm, wood  $\leq \varnothing 32$  mm and other materials and for driving in/loosening screws  $\leq \varnothing 8$  mm. Drive machine with keyless quick chuck, clamping range 1.5 – 13 mm, right and left hand rotation. Electromechanical drive with powerful, brushless battery motor 21.6 V, 500 W, 2-step robust gear. 2 continuously adjustable speed ranges from 0 to 560 rpm and 0 to 1,900 rpm, 15 torque stages plus drilling stage, hard torque of 50 Nm in both speed ranges. Safety switch. Integrated LED work light. Belt clip. Battery Li-Ion 21.6 V, 2.5 Ah, rapid charger 220–240 V or 110 V, 50–60 Hz, 70 W. 1 bit with double blade slot/cross-head, 50 mm long. In carrying bag.

	Art.-No.
	190110

Other voltages on request.



## Accessories

Description	Art.-No.
<b>REMS REG 10–42.</b> Outer/inner pipe deburrer for pipes $\varnothing 10–42$ mm, $\varnothing \frac{1}{2}–1\frac{1}{8}$ ", see page 100	
<b>REMS REG 10–54 E.</b> Outer/inner pipe deburrer for pipes $\varnothing 10–54$ mm, $\varnothing \frac{1}{2}–2\frac{1}{8}$ ", see page 101	
<b>REMS tile drilling,</b> $\varnothing 5–14$ mm, see page 318	
<b>REMS Helix 22 V VE drive unit,</b> without battery	190100
<b>Battery Li-Ion 21.6 V, 2.5 Ah</b>	571571
<b>Battery Li-Ion 21.6 V, 4.4 Ah</b>	571574
<b>Battery Li-Ion 21.6 V, 5.0 Ah</b>	571581
<b>Battery Li-Ion 21.6 V, 9.0 Ah</b>	571583
<b>Rapid charger 100–240 V, 50–60 Hz, 90 W</b>	571585
<b>Rapid charger 100–240 V, 50–60 Hz, 290 W</b>	571587
<b>Voltage supply 220–240 V/21.6 V, 50–60 Hz, 15 A,</b> for mains operation instead of battery Li-Ion 21.6 V.	571567
<b>Carrying bag</b>	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
<b>REMS Lumen 2800 22 V,</b> cordless LED flood light, see page 111	



# REMS Lumen 5000/7000/10000

Electric LED flood light

Powerful, electric LED flood light with high light intensity. For the building site and the workshop.

### REMS Lumen 5000

Light flux 5000 lm

### REMS Lumen 7000

Light flux 7000 lm

### REMS Lumen 10000

Light flux brightness stage 1 5000 lm

Light flux brightness stage 2 10000 lm

**REMS Lumen 5000/7000/10000 – electric lighting. With high light intensity. Handy, light. Continuous swivel.**

### Universal use

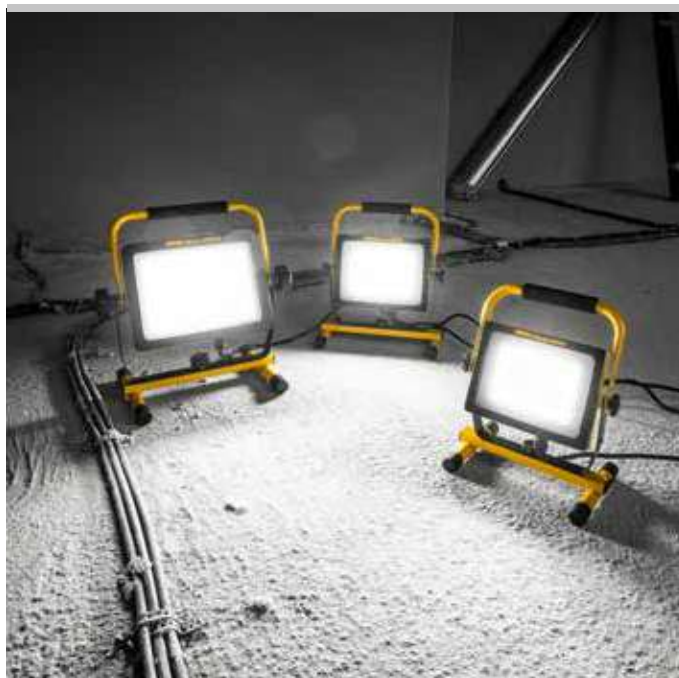
Powerful, mobile, electric LED flood light with high light intensity for universal use on the building site or in the workshop. REMS Lumen 10000 with 2 selectable brightness stages for any application purpose.

### Design

Handy, light, electric LED flood light. REMS Lumen 5000 only 1.8 kg, REMS Lumen 7000 only 2.2 kg, REMS Lumen 10000 only 3.0 kg. Impact-resistant aluminium housing, dust-proof, protected against water jets from all directions. LEDs protected by impact-resistant, unbreakable acrylic glass. Flood light housing swivels through 360°, fixable by star grips, for optimum alignment of the light. On/Off switch. Tubular steel frame with rubber feet for a firm stand. Practical, non-slip handle. Practical, sturdy, telescopic tripod stand, only 1.9 kg, for accurate positioning of the LED flood light, adjustable height from 615 to 1,590 mm above floor level, collapsible for easy transport, as an accessory.

### LED flood light

Modern, energy-saving LED flood light with high light intensity. Lights immediately without switch-on delay. Brightness of the LEDs in REMS Lumen 10000 selectable in 2 stages. 120° radiation angle for good illumination. Colour temperature 5,000 K. Efficient heat dissipation by high-quality, aluminium, ribbed heat sinks. Overheating regulates the power supply automatically, for continuous operation.



Info



### Supply format

REMS Lumen. Electric LED flood light with high light intensity. 230V, 50–60 Hz. 5 m connecting lead. In a carton.

Description	Light flux ≤lm	Power ≤W	Art.-No.
<b>Lumen 5000</b>	5000	50	175220
<b>Lumen 7000</b>	7000	70	175221
<b>Lumen 10000</b>	10000	100	175222

Other voltages on request.

### Accessories

Description	Art.-No.
<b>REMS 3B telescopic stand</b> , on a tripod, height-adjustable, collapsible	175230



# REMS Lumen 2800 22V

Cordless LED flood light

Powerful, mobile cordless LED flood light with high light intensity. Li-Ion 22V Technology. For battery and corded operation. For the building site and the workshop.

Light flux brightness stage 1	1100 lm
Light flux brightness stage 2	2000 lm
Light flux brightness stage 3	2800 lm

**REMS Lumen 2800 22V – lights everywhere. With high light intensity. Mobile, handy, light. For battery and corded operation. Continuous swivel.**

### Universal use

Powerful, mobile, cordless LED flood light with high light intensity for universal use on the building site or in the workshop. 3 selectable brightness stages, ideal for any application purpose.

### Design

Handy, lightweight, cordless LED flood light, only 1.7 kg, with battery only 2.1 kg. Impact-resistant plastic housing. LEDs protected by impact-resistant, unbreakable acrylic glass. Flood light housing swivels through 360°, fixable by wing nuts, for optimum alignment of the light. On/Off switch. Tubular steel frame with plastic plate and pluggable hook, for fastening or hanging the flood light. Practical, non-slip handle. 220–240V, 50–60 Hz, 138 W power supply, for mains operation included. Holder for REMS Li-Ion 21.6 V integrated into the housing for cordless instead of mains operation. In cordless operation with Li-Ion 21.6V, 2.5 Ah, 54 Wh (output). Practical, sturdy, telescopic tripod stand, only 1.9 kg, for accurate positioning of the LED flood light, adjustable height from 615 to 1,590 mm above floor level, collapsible for easy transport, as an accessory.

### LED flood light

Modern, energy-saving LED flood light with high light intensity. Lights immediately without switch-on delay. LED brightness selectable in 3 stages. 120° radiation angle for high illumination. Colour temperature 6,500 K. Efficient heat dissipation by high-quality, aluminium, ribbed heat sinks prevents overheating. For continuous operation.

### Battery or mains operation

Li-Ion 22V Technology. Highly resistant Li-Ion 21.6V battery with 2.5, 4.4, 5.0 or 9.0Ah capacity, for long service life. Light and powerful. Graduated charging status check by coloured LEDs. Operating temperature range – 10 to + 60 °C. No memory effect for maximum battery power. Rapid charger 100–240V, 90 W. Rapid charger 100–240V, 290W, for shorter charging times, as accessory.

Description	Operating hours h*		
	Stage 1	Stage 2	Stage 3
Battery Li-Ion 21.6V, 2.5Ah	5.4	2.4	1.6
Battery Li-Ion 21.6V, 4.4 Ah	9.6	4.2	2.8
Battery Li-Ion 21.6V, 5.0Ah	10.9	4.8	3.2
Battery Li-Ion 21.6V, 9.0Ah	19.6	8.6	5.7

### Supply format

**REMS Lumen 2800 22V Set Power-Edition.** Cordless LED flood light with high light intensity. For battery and corded operation. Light flux ≤ 2800 lm. Voltage supply 220–240V, 50–60 Hz, 138W. Without battery, without rapid charger. In a carton.

	Art.-No.
	175210

Other voltages on request.

### Supply format

**REMS Lumen 2800 22V Set.** Cordless LED flood light with high light intensity. For battery and corded operation. Light flux ≤ 2800 lm. Battery Li-Ion 21.6V, 2.5 Ah, rapid charger 220–240V or 110 V, 50–60 Hz, 70 W. Voltage supply 220–240V, 50–60 Hz, 138W. In a carton.

	Art.-No.
	175211

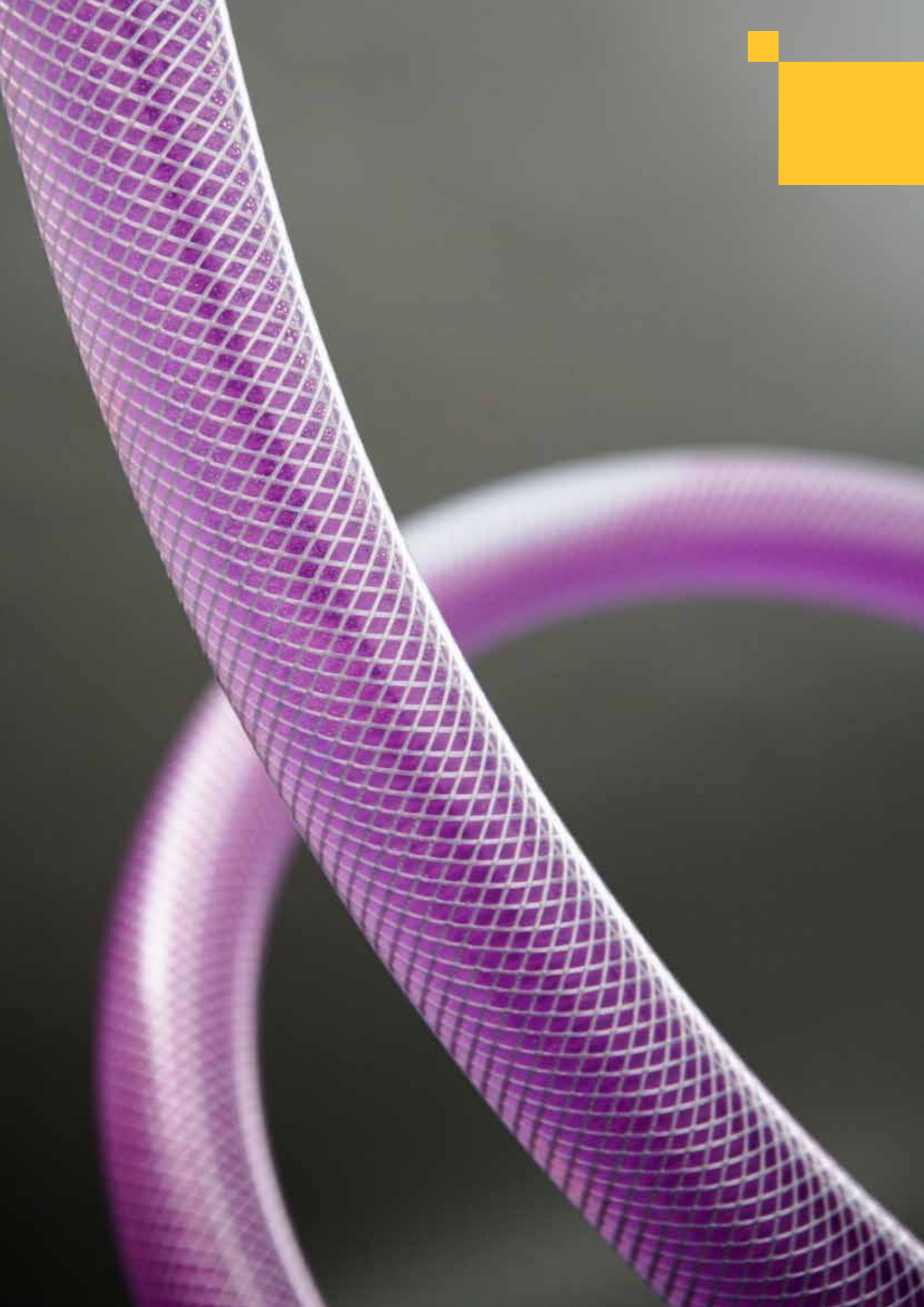
Other voltages on request.

### Accessories

Description	Art.-No.
<b>Battery Li-Ion 21.6V, 2.5 Ah</b>	571571
<b>Battery Li-Ion 21.6V, 4.4 Ah</b>	571574
<b>Battery Li-Ion 21.6V, 5.0 Ah</b>	571581
<b>Battery Li-Ion 21.6V, 9.0 Ah</b>	571583
<b>Rapid charger 100–240V, 50–60 Hz, 90W</b>	571585
<b>Rapid charger 100–240V, 50–60 Hz, 290W</b>	571587
<b>REMS 3B telescopic stand, on a tripod, height-adjustable, collapsible</b>	175230











\* Ambient temperature approx. 20°C.





**Pressure testing**  
**Cleaning**  
**Disinfecting**  
**Preserving**  
**Flushing**  
**Filling**

	<b>Hand pressure testing pump</b>	<b>114</b>
	<b>Electric pressure testing pump</b>	<b>115</b>
	<b>Electric decalcifying pump</b>	<b>116</b>
	<b>Electronic flushing unit with compressor</b>	<b>117</b>
	<b>Electronic flushing and pressure testing unit with compressor</b>	<b>120</b>
	<b>Disinfection unit TW, cleaning and preservation unit H</b>	<b>123</b>
	<b>Machine cleaner</b>	<b>123</b>
	<b>Electric filling and flushing unit</b>	<b>124</b>

Proven, reliable testing pump for pressure and tightness tests of piping systems and receptacles.

Testing and pressure range	≤ 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 ≤ 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.



Info

#### Supply format

**REMS Push.** Hand pressure testing pump with pressure gauge, p ≤ 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 ½"-connection. In a carton.

	Art.-No.
	115000

#### Supply format

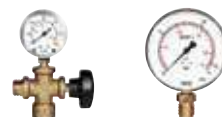
**REMS Push INOX.** Hand pressure testing pump with pressure gauge, p ≤ 6 MPa/60 bar/870 psi, for pressure and tightness testing of piping systems and receptacles up to 6 MPa/60 bar/870 psi. 12 ltr stainless steel tank. 1.5 m high-pressure hose with ½"-connection. In a carton.

	Art.-No.
	115001



#### Accessories

Description	Pressure p ≤ MPa/bar/psi	Art.-No.
<b>Connecting piece with pressure gauge and shut off valve</b>	6/60/870	115110
<b>Fine scale pressure gauge</b>	1.6/16/232	115045



# REMS E-Push 2

Electric pressure testing pump

Powerful, electric pressure testing pump for pressure and tightness tests of piping systems and receptacles.	
Testing and pressure range	≤ 6 MPa/60 bar/870 psi
Pumping capacity	6.5 l/min
Water, hydrous solutions, emulsions	
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 10 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 1/2"-connection. Connecting piece with pressure gauge, p ≤ 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.



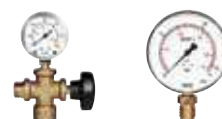
**Supply format**

**REMS E-Push 2.** Electric pressure testing pump with pressure gauge, p ≤ 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. 1.5 m suction hose with 1/2" connection and gaskets, suction filter with non-return valve. 1.5 m high-pressure hose with 1/2" connection and gaskets. In a carton.

	Art.-No.	
	115500	

**Accessories**

Description	Pressure p ≤ MPa/bar/psi	Art.-No.
<b>Connecting piece with pressure gauge and shut off valve</b>	6/60/870	115110
<b>Fine scale pressure gauge</b>	1.6/16/232	115045



Powerful, electric decalcifying pump for effective decalcifying of pipes and containers, e.g. flow heaters, boilers, hot water tanks, cold water tanks, heat exchangers, heating and cooling systems.

Useful container volume	21 l
Displacement	≤ 30 l/min
Displacement pressure	≤ 0.1 MPa/1.0 bar/15 psi
Transport height	≤ 10 m
Temperature of decalcifying solution	≤ 50°C

**REMS Calc-Push – effective electric decalcifying. High displacement. 3-way lever for reversal of flow direction, with zero setting.**

### Universal use

For effective decalcifying of pipes and containers, e.g. flow heaters, boilers, hot water tanks, cold water tanks, heat exchangers, heating and cooling systems.

### Design

Robust, compact, light, weights just 9.2 kg. Impact-proof plastic container for the decalcifying solution, useful container volume 21 l, with practical screw-on cap for closing the plastic container during transport. Flexible ½", 2.3m long flexible PVC fabric hoses, with hose screw fittings with Rp ½" female thread and caps. 3-way lever for reversing the flow direction to remove even heavy lime deposits from both sides, with zero setting to interrupt the flow. Easy to carry due to centrally arranged handle with practical hose holders.

### Unscrewable pump unit

Compact pump unit, consisting of a centrifugal pump and condenser motor, unscrewable, for easy cleaning of the pump unit and the plastic container after the decalcifying process. Self-sucking centrifugal pump, suitable for different decalcifying solutions of acetic acid, sulphuric acid, citric acid, formic acid, phosphoric acid, sulfamic acid. With proven, powerful condenser motor with quiet running, 165W, on/off switch. High displacement ≤ 30 l/min for effective decalcifying.



Info

### Supply format

**REMS Calc-Push.** Electric decalcifying pump for effective decalcifying of pipes and containers, e.g. flow heaters, boilers, hot water tanks, cold water tanks, heat exchangers, heating and cooling systems. Displacement ≤ 30 l/min, useful container volume 21 l. Pump unit with condenser motor 230V, 50 Hz, 165 W. Displacement pressure ≤ 0.1 MPa/1.0 bar/15 psi. Transport height ≤ 10 m. Flexible ½", 2.3m long flexible PVC fabric hoses, with hose screw fittings with Rp ½" female thread and caps. 2 double nipples ¾" – ½", 2 double nipples ½" – ¾". In a carton.

	Art.-No.	
	115900	

Other voltages on request.



Powerful, compact, electronic flushing unit with oil-free compressor. For flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems and for operation of pneumatic tools.

#### Flushing and desilting

Water pressure pipe network  $p \leq 1 \text{ MPa}/10 \text{ bar}/145 \text{ psi}$   
 Pipe diameter installation  $\leq \text{DN } 50, 2''$

Disinfection of drinking water installations

Cleaning and preservation of radiators and area heating systems

Water temperature  $5 - 35^\circ\text{C}$

Water flow  $\leq 5 \text{ m}^3/\text{h}$

Operation of pneumatic tools

Operating pressure  $p \leq 0.8 \text{ MPa}/8 \text{ bar}/116 \text{ psi}$

Suction rate  $\leq 230 \text{ NI}/\text{min}$

**REMS Multi-Push S – Flushing with water or a water/air mixture. Easy switching of the air supply during the flushing process when desilting. 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, e.g. for desilting, cleaning and preservation of radiators and area heating systems, flushing and disinfection of drinking water installations in accordance with EN 806-4:2010 and for operating pneumatic tools.

#### Design

Powerful, compact, electronic flushing unit with oil-free compressor. Handy, easily portable, only 32 kg. Measuring and control devices for automatically running the flushing programs and for documenting the results. Safety devices for avoiding contamination of the pipe network by flow-back. Overpressure valve for pressure limiting. 5  $\mu\text{m}$  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 rubber-tyred wheels for easy transport and 2 rubber feet for firm standing. Connecting cable with integrated personal protection switch (PRCD). 2 hooks for winding up the power cable. Captive seals for input and output of the REMS Multi-Push S to avoid contamination during transport and storage. Practical hood for protecting the machine during transport and storage as an accessory.

#### Compressor

Proven, powerful, oil-free piston compressor with crank drive, with capacitor motor 230 V, 1500 W. Pressure gauge for displaying the air pressure in the compressed air tank. Emergency stop button.

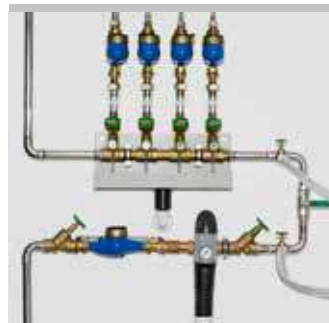
#### Hoses

Transparent  $\text{Ø } 1''$  suction/pressure hose, with fabric inlay, 1.5 m long, with 1" hose screw fittings, with caps, for flushing, disinfection, cleaning, preservation. Captive caps for the inputs and outputs of the hoses to avoid contamination during transport and storage. Connecting hose compressor/water connections, 0.6 m long, with quick coupling DN 7.2 and 1" hose screw fitting, 1" double nipple, for blowing out water remains from REMS Multi-Push S and suction/pressure hoses at the end of work.

#### Input and control unit

Easy desilting operation by buttons to switch over the air supply during the flushing process. Menu-guided input and menu-guided control for flushing drinking water installations according to EN 806-4:2010 with the possibility for the user to change the factory-set default values for adaptation to the applicable national safety provisions, rules and regulations 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 x 64 pixels. Permanent process monitoring during the program 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](http://www.rems.de) > Downloads > Software.

Patent EP 2 954 960



German Quality Product



Info

# REMS Multi-Push S

Electronic flushing unit with compressor

## Desilting and flushing

Buttons for easy switching of the air supply during the flushing process when desilting radiator and flat heater systems with the following possibilities: (1) without compressed air, (2) intermittent compressed air, (3) constant compressed air.

## Flushing according to EN 806-4

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).

## Disinfection

REMS V-Jet TW 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 1 l bottle of REMS Peroxi dosing solution for disinfection of approx. 100 l line volume and 20 ml bottle of red REMS Color dye for dyeing the dosing solution for filling and wash-out check, pipette for checking the effectiveness of the dosing solution, as an accessory. Feeding of the disinfectant solution without additional dosing pump (Patent EP 2 954 960).

## Cleaning and preservation

REMS V-Jet H cleaning and preservation unit for cleaning and preserving radiators and area heating systems, as an accessory. Cleaner, dyed green for filling and wash-out check and corrosion protection, dyed blue for filling check, for approx. 100 l line volume respectively, as an accessory. Feeding of cleaner and corrosion protection without additional dosing pump (Patent EP 2 954 960).

## Operation of pneumatic tools

Connection for pneumatic tools up to an air requirement  $\leq 230$  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 DN 7.2, as an accessory.

## Logging

Results of the flushing programs are saved with date, time and log number in the selected language and can be transferred to USB stick or printer for documentation. Printer as an accessory. Additions to saved data, e.g. customer name, project number, tester, are possible on external devices (e.g. PC, laptop, tablet-PC, Smartphone).



## Supply format

**REMS Multi-Push S Set.** Electronic flushing unit with oil-free compressor. For flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems, e.g. for desilting, cleaning and preservation of radiators and area heating systems, flushing and disinfection of drinking water installations and for operation of pneumatic tools  $\leq 230$  NI/min. Input and control unit. Piston compressor with crank drive, capacitor motor 230V, 50Hz, 1,500 W, person circuit breaker (PRCD). Mobile tubular steel frame. Fastenings for water input and output of the REMS Multi-Push S. Two  $\varnothing 1$ " suction/pressure hoses, with fabric inlay, 1.5 m long, with 1" hose screw fittings, with caps. Connecting hose compressor/ water connections, 0.6 m long, with quick coupling DN 7.2 and 1" hose screw fitting, 1" double nipple, for blowing out water remains from REMS Multi-Push S and suction/pressure hoses at the end of work. Without disinfection unit, without cleaning and preservation unit. In a carton

Art.-No.
115810

Other voltages on request.



# REMS Multi-Push S

Electronic flushing unit with compressor

Description	Art.-No.
<b>Fine filter with fine filter cartridge 90 µm</b> , washable, with large dirt collection vessel	115609
<b>Fine filter cartridge 90 µm</b> , for fine filter with fine filter cartridge 90 µm	043054
<b>Compressed air hose Ø 14 mm</b> , 1.5 m long, with quick couplings DN 7.2 (plug, socket), for connecting pneumatic tools	115621
<b>Ø 1" suction/pressure hose</b> , with fabric inlay, 1.5 m long, with G 1" screw fittings for flushing, disinfection, cleaning, preservation and pressure testing with water.	115633
<b>Double nipple 1"</b> , for connecting 2 suction/pressure hoses and blowing out the suction/pressure hoses	045159
<b>Printer</b> 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
<b>Paper roll</b> , pack of 5 for printer	090015
<b>Case</b> with inlays for printer, paper rolls and other accessories	115703
<b>REMS V-Jet TW</b> , disinfection unit for drinking water installations, for feeding dosing solution for disinfection	115602
<b>REMS Peroxi Color</b> , 1 l bottle of REMS Peroxi dosing solution for disinfection of approx. 100 l line volume, 20 ml bottle of red REMS Color dye for dyeing the dosing solution for filling and wash-out check, pipette for checking the effectiveness of the dosing solution.	115605
<b>Test strips H<sub>2</sub>O<sub>2</sub> 0–1,000 mg/l</b> , pack of 100, for checking the concentration of the disinfection solution	091072
<b>Test strips H<sub>2</sub>O<sub>2</sub> 0–50 mg/l</b> , pack of 100, for checking the complete flushing out of the disinfection solution after disinfection	091073
<b>REMS V-Jet H</b> , cleaning and preservation unit for radiators and area heating systems, for feeding cleaner and corrosion protection.	115612
<b>REMS CleanH</b> 1 l bottle of cleaner for radiators and area heating systems, dyed green for filling and wash-out check, for approx. 100 l line volume.	115607
<b>REMS NoCor</b> 1 l bottle of corrosion protection for preservation of radiators and area heating systems, dyed blue for filling check, for approx. 100 l line volume.	115608
<b>Hood</b> for protecting the machine during transport and storage	115677
<b>XL-Boxx system case</b> for hoses	579600



# REMS Multi-Push SL/SLW

Electronic flushing and pressure testing unit with compressor

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 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 and desilting

Water pressure pipe network  $p \leq 1 \text{ MPa}/10 \text{ bar}/145 \text{ psi}$   
 Pipe diameter installation  $\leq \text{DN } 50, 2''$

## Disinfection of drinking water installations

Cleaning and preservation of radiators and area heating systems

Water temperature  $5 - 35^\circ\text{C}$

Water flow  $\leq 5 \text{ m}^3/\text{h}$

## Pressure test

with compressed air  $p \leq 0.4 \text{ MPa}/4 \text{ bar}/58 \text{ psi}$

Pressure test with water  $p \leq 1.8 \text{ MPa}/18 \text{ bar}/261 \text{ psi}$

Pneumatic pump for controlled filling of all types of vessels with compressed air  $p \leq 0.8 \text{ MPa}/8 \text{ bar}/116 \text{ psi}$

## Operation of pneumatic tools

Operating pressure  $p \leq 0.8 \text{ MPa}/8 \text{ bar}/116 \text{ psi}$

Suction rate  $\leq 230 \text{ NI}/\text{min}$

**REMS Multi-Push SL/SLW – just one device with more than 10 automatically running flushing and pressure testing programs. 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 testing of pipe systems and vessels with compressed air or water, e.g. drinking water installations, radiators or area heating systems, for pressure testing of gas installations with compressed air, 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. (Patent EP 2 816 231).

## 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  $\mu\text{m}$  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 rubber-tyred wheels for easy transport and 2 rubber feet for firm standing. Connecting cable with integrated personal protection switch (PRCD). 2 hooks for winding up the power cable. Captive seals for inputs and outputs of the REMS Multi-Push SL/SLW to avoid contamination during transport and storage. Practical hood for protecting the machine during transport and storage as an accessory.

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.

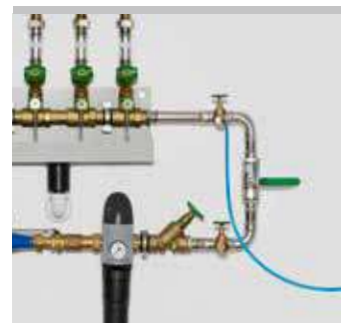
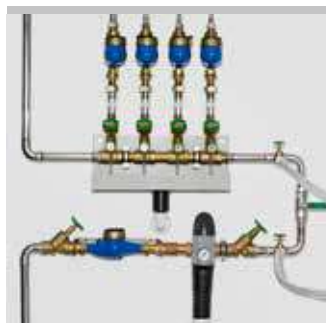
## Compressor

Proven, powerful, oil-free piston compressor with crank drive, with capacitor motor 230V, 1500W. Pressure gauge for displaying the air pressure in the compressed air tank. Emergency stop button.

## Hoses

Transparent  $\text{Ø } 1''$  suction/pressure hose, with fabric inlay, 1.5 m long, with 1" hose screw fittings, with caps, for flushing, disinfection, cleaning, preservation and pressure testing with water. High-pressure hose  $\text{Ø } \frac{1}{2}''$ , with fabric inlay, 1.5 m long, with  $\frac{1}{2}''$  hose screw fittings, with caps, for pressure testing with water with REMS Multi-Push SLW. Captive caps for the inputs and outputs of the hoses to avoid contamination during transport and storage. Compressed air hose  $\text{Ø } 8 \text{ mm}$ , 1.5 m long, with quick coupling DN 5 and  $\frac{1}{2}''$  hose screw fitting, for pressure testing with compressed air. Compressed air hose  $\text{Ø } 8 \text{ mm}$ , 1.5 m long, with quick coupling DN 5 (plug, socket) for gas testing with compressed air. Connecting hose compressor/water connections, 0.6 m long, with quick coupling DN 7.2 and 1" hose screw fitting, 1" double nipple, for blowing out water remains from REMS Multi-Push SL/SLW and suction/pressure hoses at the end of work.

Patent EP 2 816 231  
 Patent EP 2 954 960



German Quality Product



### Input and control unit

More than 10 flushing and test programs in 26 languages. Easy desilting operation by buttons to switch over the air supply during the flushing process. Menu-guided input and menu-guided control for flushing drinking water installations according to EN 806-4:2010 with the possibility for the user to change the factory-set default values for adaptation to the applicable national safety provisions, rules and regulations 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 x 64 pixels. Permanent process monitoring during the program 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](http://www.rems.de) > Downloads > Software.

### Desilting and flushing

Buttons for easy switching of the air supply during the flushing process when desilting radiator and flat heater systems with the following possibilities: (1) without compressed air, (2) intermittent compressed air, (3) constant compressed air.

### Flushing according to EN 806-4

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).

### Disinfection

REMS V-Jet TW 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 1 l bottle of REMS Peroxi dosing solution for disinfection of approx. 100l line volume and 20 ml bottle of red REMS Color dye for dyeing the dosing solution for filling and wash-out check, pipette for checking the effectiveness of the dosing solution (page 123). Feeding of the disinfectant solution without additional dosing pump (Patent EP 2 954 960).

### Cleaning and preservation

REMS V-Jet H cleaning and preservation unit for cleaning and preserving radiators and area heating systems, as an accessory. Cleaner, dyed green for filling and wash-out check and corrosion protection, dyed blue for filling check, for approx. 100 l line volume respectively (page 123). Feeding of cleaner and corrosion protection without additional dosing pump (Patent EP 2 954 960 pending).

### Pressure testing with compressed air

Leak testing of drinking water installations with compressed air according to information leaflet "Leak Testing of Drinking Water Installations with Compressed Air, Inert Gas or Water" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK), leak testing of gas installations with compressed air according to the technical rule "DVGW-TRGI 2018, Technical Rules for Gas Installations - DVGW Worksheet G 600" of the German Gas and Water Association (DVGW) and leak testing of other pipe systems and vessels with compressed air.

Load testing of drinking water installations with compressed air according to information leaflet "Leak Testing of Drinking Water Installations with Compressed Air, Inert Gas or Water" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK), load testing of gas installations with compressed air according to the technical rule "DVGW-TRGI 2018, Technical Rules for Gas Installations - DVGW Worksheet G 600" of the German Gas and Water Association (DVGW) and load testing of other pipe systems and vessels with compressed air.

### Pressure 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 with Compressed Air, Inert Gas or Water" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and for pressure 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  $\leq 230$  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 DN 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. Printer as an accessory. Additions to saved data, e.g. customer name, project number, tester, are possible on external devices (e.g. PC, laptop, tablet-PC, Smartphone).



# REMS Multi-Push SL/SLW

Electronic flushing and pressure testing unit with compressor

## 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, e.g. for desilting, cleaning and preservation of radiators and area heating systems, flushing and disinfection of drinking water installations, for pressure testing of pipe systems and vessels with compressed air, as a pneumatic pump for controlled filling of all types of vessels with compressed air  $p \leq 0.8 \text{ MPa}/8 \text{ bar}/116 \text{ psi}$ , and for operation of pneumatic tools  $\leq 230 \text{ NI}/\text{min}$ . Input and control unit. Piston compressor with crank drive, capacitor motor 230V, 50 Hz, 1,500 W, person circuit breaker (PRCD). Mobile tubular steel frame. Fastenings for water inputs and outputs of the REMS Multi-Push. Two  $\varnothing 1''$  suction/pressure hoses, with fabric inlay, 1.5 m long, with 1" hose screw fittings, with caps. One  $\varnothing 8 \text{ mm}$  compressed air hose, 1.5 m long, with quick coupling DN 5 and G  $\frac{1}{2}''$  hose screw fitting, for pressure testing with compressed air. Connecting hose compressor/water connections, 0.6 m long, with quick coupling DN 7.2 and 1" hose screw fitting, 1" double nipple, for blowing out water remains from REMS Multi-Push and suction/pressure hoses at the end of work. Without disinfection unit, without cleaning and preservation unit. In a carton

	Art.-No.
	115610

Other voltages on request.



Info



## Supply format

**REMS Multi-Push SLW Set.** Same as REMS Multi-Push SL Set, Art. No. 115610, additionally 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 and for pressure testing of other pipe systems and vessels. One high-pressure hose  $\varnothing \frac{1}{2}''$ , 1.5 m long, with  $\frac{1}{2}''$  hose screw fittings, with caps. In a carton.

	Art.-No.
	115611

Other voltages on request.



Info



## Accessories

Description	Art.-No.
<b>Fine filter with fine filter cartridge 90 <math>\mu\text{m}</math></b> , washable, with large dirt collection vessel	115609
<b>Fine filter cartridge 90 <math>\mu\text{m}</math></b> , for fine filter with fine filter cartridge 90 $\mu\text{m}$	043054
<b>Pressure gauge, <math>p \leq 6 \text{ MPa}/60 \text{ bar}/870 \text{ psi}</math></b> , for pressure and leak testing of pipe systems and vessels up to 6 MPa/60 bar/870 psi.	115140
<b>Fine scaled pressure gauge, <math>p \leq 1.6 \text{ MPa}/16 \text{ bar}/232 \text{ psi}</math></b> , for pressure and leak testing of pipe systems and vessels up to 1.6 MPa/16 bar/232 psi. CL 1.0.	115045
<b>Fine scaled pressure gauge, <math>p \leq 250 \text{ hPa}/250 \text{ mbar}/3.6 \text{ psi}</math></b> , for pressure and leak testing of pipe systems and vessels up to 250 hPa/250 mbar/3.6 psi. CL 1.6.	047069
<b>Compressed air hose <math>\varnothing 14 \text{ mm}</math></b> , 1.5 m long, with quick couplings DN 7.2 (plug, socket), for connecting pneumatic tools	115621
<b>Compressed air hose <math>\varnothing 8 \text{ mm}</math></b> , 7 m long, with quick coupling DN 5 (plug) and G $\frac{1}{2}''$ hose screw fitting, for pressure testing with compressed air.	115667
<b>Compressed air hose <math>\varnothing 8 \text{ mm}</math></b> , 1.5 m long, with quick coupling DN 5 (plug, socket) for gas testing with compressed air.	115747
<b>High-pressure hose <math>\varnothing \frac{1}{2}''</math></b> , 7 m long, with G $\frac{1}{2}''$ hose screw fittings, with caps, for pressure testing of pipe systems and vessels with water with REMS Multi-Push SLW.	115661
<b><math>\varnothing 1''</math> suction/pressure hose</b> , with fabric inlay, 1.5 m long, with G 1" screw fittings for flushing, disinfection, cleaning, preservation and pressure testing with water.	115633
<b>Double nipple 1"</b> , for connecting 2 suction/pressure hoses and blowing out the suction/pressure hoses	045159



# REMS Multi-Push SL/SLW

Electronic flushing and pressure testing unit with compressor

Description	Art.-No.
<b>Printer</b> 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
<b>Paper roll</b> , pack of 5 for printer	090015
<b>Case</b> with inlays for printer, paper rolls and other accessories	115703
<b>REMS V-Jet TW</b> , disinfection unit for drinking water installations, for feeding dosing solution for disinfection	115602
<b>REMS Peroxi Color</b> , 1 l bottle of REMS Peroxi dosing solution for disinfection of approx. 100 l line volume, 20 ml bottle of red REMS Color dye for dyeing the dosing solution for filling and wash-out check, pipette for checking the effectiveness of the dosing solution.	115605
<b>Test strips H<sub>2</sub>O<sub>2</sub> 0–1,000 mg/l, pack of 100</b> , for checking the concentration of the disinfection solution	091072
<b>Test strips H<sub>2</sub>O<sub>2</sub> 0–50 mg/l, pack of 100</b> , for checking the complete flushing out of the disinfection solution after disinfection	091073
<b>REMS V-Jet H</b> , cleaning and preservation unit for radiators and area heating systems, for feeding cleaner and corrosion protection.	115612
<b>REMS CleanH</b> 1 l bottle of cleaner for radiators and area heating systems, dyed green for filling and wash-out check, for approx. 100 l line volume.	115607
<b>REMS NoCor</b> 1 l bottle of corrosion protection for preservation of radiators and area heating systems, dyed blue for filling check, for approx. 100 l line volume.	115608
<b>Hood</b> for protecting the machine during transport and storage	115677
<b>XL-Boxx system case</b> for hoses	579600



## REMS CleanM

Machine cleaner

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.



German Quality Product



Info



### 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.

Packing	Art.-No.
500 ml spray bottle	140119

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.

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 l/min  
 Transport pressure ≤ 0.55 MPa/5.5 bar/80 psi  
 Temperature of the transported media (constant load) ≤ 60°C  
 pH value of the transported media 6.5 – 9.5

**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 ≤ 0.65 MPa/6.5 bar/94 psi  
 Temperature of the transported media (constant load) ≤ 80°C  
 pH value of the transported media 6.5 – 9.5

Media transported: heat transfer liquids, antifreeze, water, aqueous solutions, emulsions

**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, REMS Solar-Push I only 19 kg, REMS Solar-Push K only 20 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 3/4" 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 carrying 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, 940 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 ≤ 60°C. 2 pieces flexible, transparent PVC fabric hoses 1/2" T60, for pressure and return lines, each 3 m long, with 3/4" hose screw fittings, temperature-resistant ≤ 60°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 ≤ 80°C. 2 flexible EPDM fabric hoses 1/2" T100 (synthetic rubber) for pressure and return lines, each 3 m long, with 3/4" hose screw fittings, high temperature-resistant ≤ 100°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 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 3/4" connection for flushing underfloor heating/wall radiators and clearing sludge. Flow direction changeover valve complete with EPDM fabric hose 1/2" 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.



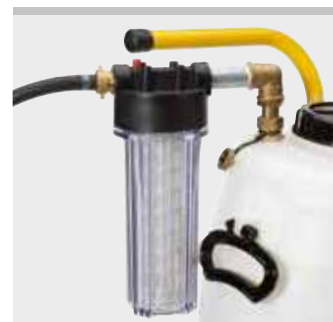
German Quality Product



K 60



I 80



## Supply format

**REMS Solar-Push K 60.** Electric filling and flushing unit for fast, easy filling, flushing and venting of closed systems. Transport volume  $\leq 36$  l/min, tank volume 30 l. With centrifugal pump, temperature-resistant for continuous load  $\leq 60^\circ\text{C}$ . Transport pressure  $\leq 0.55$  MPa/5.5 bar/80 psi. Condenser motor 230 V, 50 Hz, 940 W. 2 pieces flexible, transparent PVC fabric hoses  $\frac{1}{2}$ " T60, each 3 m long, temperature-resistant  $\leq 60^\circ\text{C}$ . On sturdy tubular steel frame with air-filled wheels. In box.

	Art.-No.	
	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  $\leq 80^\circ\text{C}$ . 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  $\frac{1}{2}$ " T100, each 3 m long, high temperature-resistant  $\leq 100^\circ\text{C}$ . On sturdy tubular steel frame with air-filled wheels. In box.

	Art.-No.	
	115311	

Other voltages on request.



Info








## Accessories

Description	Art.-No.
<b>PVC fabric hose <math>\frac{1}{2}</math>" T60</b> for pressure or return line, 3 m long, with $\frac{3}{4}$ " hose screw fittings, temperature-resistant $\leq 60^\circ\text{C}$ .	115314
<b>EPDM fabric hose <math>\frac{1}{2}</math>" T100</b> for pressure or return line, 3 m long, with $\frac{3}{4}$ " hose screw fittings, high temperature-resistant $\leq 100^\circ\text{C}$	115315
<b>EPDM fabric hose <math>\frac{1}{2}</math>" T165</b> for pressure or return line, 3 m long, with $\frac{3}{4}$ " hose screw fittings, high temperature-resistant $\leq 165^\circ\text{C}$	115319
<b><math>\frac{3}{4}</math>" shut-off valve</b> for closing the pressure or return line, e.g. during transport.	115324
<b>30 l plastic tank</b> made of UV-stabilised PE.	115375
<b>Pressure relief valve</b> for Solar-Push K 60.	115217
<b>Fine filter with fine filter bag 70 <math>\mu\text{m}</math></b> , consisting of a screw cap with return line connection for return line with $\frac{3}{4}$ " union, adapter, 1 file filter bag 70 $\mu\text{m}$ , for flushing underfloor heating/wall radiators and clearing sludge	115220
<b>Fine filter bag 70 <math>\mu\text{m}</math> (pack of 10)</b> , fine file filter with fine filter bag 70 $\mu\text{m}$	115221
<b>Fine filter with fine filter cartridge 90 <math>\mu\text{m}</math></b> , washable, with large dirt collection vessel, for return line with $\frac{3}{4}$ " union, for flushing underfloor heating/wall radiators and clearing sludge	115323
<b>Fine filter cartridge 90 <math>\mu\text{m}</math></b> , for fine filter with fine filter cartridge 90 $\mu\text{m}$	043054
<b>Flow direction changeover valve</b> complete with EPDM fabric hose $\frac{1}{2}$ " T100, for flushing underfloor heating/wall radiators and effective clearance of sludge by pressure surges when flow direction changes	115326
<b>Changeover valve</b> for alternative suction of the transport medium from another tank, e.g. for larger volumes.	115325





# Bending

	<b>Single-hand tube bender</b>	<b>128</b>
	<b>Oil-hydraulic hand pipe bender</b>	<b>130</b>
	<b>Cordless electro-hydraulic tube bender</b>	<b>132</b>
	<b>Oil-hydraulic pipe bender</b>	<b>134</b>
	<b>Electric pipe and tube bender</b>	<b>136</b>
	<b>Cordless tube bender</b>	<b>140</b>
	<b>Hand tube bender</b>	<b>142</b>

# REMS Swing

Single-hand tube bender

Practical one-hand pipe bender for dimensionally accurate bending of pipes up to 90°. Ideal for on-site work. For trade and industry. For the building site and the workshop.

Soft copper pipes, also thin-walled	Ø 10–22 mm Ø 3/8–7/8" s ≤ 1 mm
Coated soft copper tubes	Ø 10–18 mm Ø 3/8–5/8" s ≤ 1 mm
Soft, coated carbon steel pipes of the pressfitting systems	Ø 12–18 mm s ≤ 1.2 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. Ultra light, ultra small, ultra handy. Universally usable for many pipe types. Ultra fast operation by practical multifunction lever for fast in-feed and fast return. 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

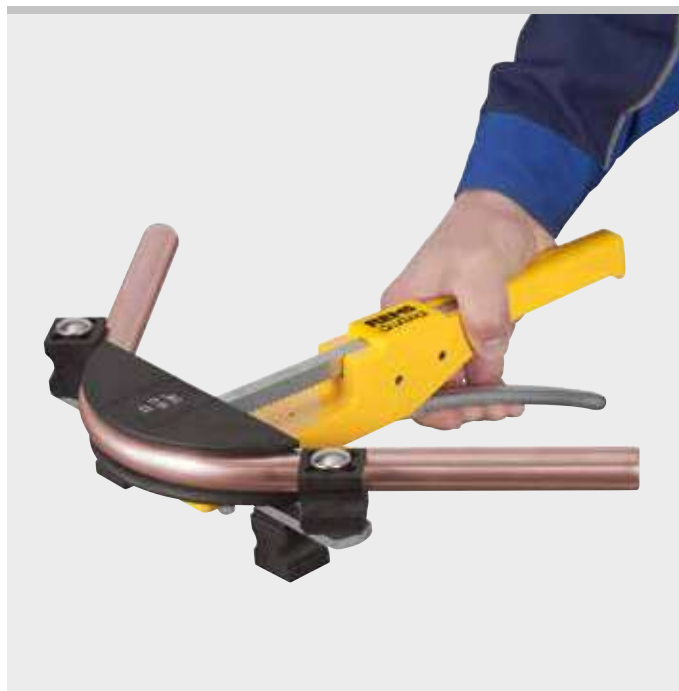
Compact, job site-proven. Handy and light, drive unit only 0.9 kg. Can be used anywhere, free-hand, in confined areas. Easy, quick working, e.g. Ø 22 mm copper pipe bend in just 9 s. Marked bending formers for exact bending. Overbend, tier bend possible. Easy and rapid changing of bending formers. Back former support S Ø 10–26 mm, rotatable according to the size of the pipe to be bent, with back formers for pipes Ø 10–26 mm, 3/8–7/8". Back former support Ø 32 mm with back formers for pipe Ø 32 mm. Device for reverse bending up to Ø 22 mm, 7/8".

## Bending formers and sliding pieces

In high-strength, high-slide, glass-fibre reinforced polyamide. See table on page 129 for bending formers. UP bending formers with smaller bending radii for Uponor Uni Pipe PLUS composite pipes, see below.

## Drive

Sturdy drive unit with proven, reliable ratchet feed for the complete work range up to Ø 32 mm. Practical multi-function lever for fast in-feed and fast return saves time and effort.



German Quality Product



Info



## Supply format

**REMS Swing UP Set.** Single-hand tube bender Ø 16–32 mm, up to 90°. for Uponor Uni Pipe PLUS composite pipes Ø 16–32 mm. With UP drive unit, UP bending formers with smaller bending radii, UP back former supports Ø 16–32 mm with back formers, in a sturdy steel box/case.

Description mm	Art.-No.
Set 16 + 20 + 25 + 32	153030

## Accessories

Description	Art.-No.
<b>REMS Swing UP</b> drive unit	153300
<b>UP back former support Ø 16–32 mm</b> with back formers for pipes Ø 16–32 mm	153307
<b>UP bending former Ø 16 mm</b> , bending radius 32 mm	153303
<b>UP bending former UP Ø 20 mm</b> , Biegeradius 40 mm	153304
<b>UP bending former UP Ø 25 mm</b> , Biegeradius 62,5 mm	153305
<b>UP bending former UP Ø 32 mm</b> , Biegeradius 80 mm	153306
<b>Steel case with inlay</b>	153265





## Supply format

**REMS Swing Set.** Single-hand tube bender Ø 10–32 mm, Ø 3/8–7/8", up to 90°. Soft copper pipes Ø 10–22 mm, Ø 3/8–7/8", s ≤ 1 mm, soft, coated copper pipes Ø 10–18 mm, Ø 3/8–5/8", s ≤ 1 mm, soft, coated carbon steel pipes of the pressfitting systems Ø 12–18 mm, s ≤ 1.2 mm, soft precision steel pipes Ø 10–18 mm, s ≤ 1 mm, composite tubes Ø 14–32 mm. Up to Ø 26 mm with drive unit, bending formers, back former supports S Ø 10–26 mm with back formers, in a sturdy steel box/case. Up to Ø 32 mm with drive unit, bending formers, 2 back former supports Ø 10–26 mm and Ø 32 mm with back formers, in a sturdy steel case.

Description mm	inch	Art.-No.
<b>Set 12 + 15 + 18 + 22</b>	1/2 + 5/8 + 3/4 + 7/8"	153025
<b>Set 10 + 12 + 15 + 18 + 22</b>	3/8 + 1/2 + 5/8 + 3/4 + 7/8"	153021
<b>Set 12 + 14 + 16 + 18 + 22</b>	1/2 + 3/4 + 7/8"	153020
<b>Set 14 + 16 + 20 + 25/26</b>		153026
<b>Set 14 + 16 + 18 + 20 + 25/26</b>		153022
<b>Set 16 + 20 + 25/26 + 32</b>		153029
<b>Set Allround 22</b>		
<b>10 + 12 + 14 + 15 + 16 + 17 + 18 + 20 + 22</b>	3/8 + 1/2 + 5/8 + 3/4 + 7/8"	153027
<b>Set 16 + 18 + 20 + 25/26 + 32</b>		153023
<b>Set Allround 32</b>		
<b>10 + 12 + 14 + 15 + 16 + 17 + 18 + 20 + 22 + 25/26 + 32</b>	3/8 + 1/2 + 5/8 + 3/4 + 7/8"	153028



## Accessories

Description	Art.-No.
<b>REMS Swing drive unit</b>	153100
<b>Back former support S Ø 10–26 mm</b> with back formers for pipes Ø 10–26 mm, 3/8–7/8"	153125
<b>Back former support Ø 32 mm</b> with back formers for pipe Ø 32 mm	153115
<b>Device for reverse bending</b> on laid pipes up to Ø 26 mm, 7/8"	153140
<b>Steel case with inlay</b>	153265
<b>Case with inlay</b>	153270

Bending former for tubes Ø mm/inch	Bending radius <sup>1)</sup> mm	suitable for					Art.-No.
		Cu	Cu-U	St 10305-U	St 10305	V	
10, 3/8"	30	●			●		153155
12, 10 U, 1/2"	36	●	●		●		153160
14, 12 U	50	●		●	●	●	153170
15, 12 U, 5/8"	55	●	●		●		153175
16, 14 U	55	●	●		●	●	153180
17, 15 U	60			●		●	153185
18, 14 U, 15 U, 16 U, 3/4"	72	●	●		●	●	153190
20, 18 U	79	●	●	●		●	153195
22, 18 U, 7/8"	86	●	●				153200
25, 26	88					●	153205
32	128					●	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 10305-U: soft, coated carbon steel pipes of the pressfitting systems EN 10305-3
- St 10305: soft precision steel pipes EN 10305-1, EN 10305-2, EN 10305-3
- U: coated
- V: multi-layer composite tubes of pressfitting systems



Effort-saving, oil-hydraulic hand pipe bender for dimensionally accurate bending of pipes up to 90°. Ideal for on-site work. For trade and industry. For the building site and the workshop.

Soft copper pipes, also thin-walled	Ø 10 – 22 mm Ø 3/8 – 7/8" s ≤ 1 mm
Coated soft copper tubes	Ø 10 – 18 mm Ø 3/8 – 5/8" s ≤ 1 mm
Pipes of press fitting systems made of: stainless steel, nickel steel	Ø 15 – 22 mm s ≤ 1.2 mm
Soft, coated carbon steel	Ø 12 – 18 mm s ≤ 1.2 mm
Soft precision steel tubes	Ø 10 – 22 mm s ≤ 1.5 mm
Multi-layer composite tubes	Ø 14 – 32 mm

**REMS Hydro-Swing – bending tubes where they are installed. Universally usable for many pipe types. Effortless working due to oil-hydraulic force transmission.**

### 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

Robust, compact drive unit with closed, maintenance-free hydraulic system. Handy and light, only 2.4 kg. Can be used anywhere, even in confined spaces. Easy, quick working, e.g. Ø 22 mm copper pipe bend in just 18 s. Marked bending formers for exact bending. Overbend, tier bend possible. Easy and rapid changing of bending formers. Back former support H-S Ø 10 – 26 mm, rotatable according to the size of the pipe to be bent, with back formers for pipes Ø 10 – 26 mm, 3/8 – 7/8". Back former support Ø 32 mm with back formers for pipes Ø 32 mm.

### Bending formers and sliding pieces

Bending formers and back formers made of high strength, high sliding, glass fibre reinforced polyamide or aluminium bending formers. See table on page 131 for bending formers.

### Drive

Oil-hydraulic drive unit with hydraulic cylinder made from high-quality, rolled hydraulic tube. Ergonomically designed thrust lever for strength saving pressure build-up with manual hydraulic pump. Reliable hydraulic thrust with overload protection in the foremost piston position and overpressure valves for safe working.



German Quality Product



Info

## Supply format

**REMS Hydro-Swing Set.** Oil-hydraulic hand pipe bender Ø 10–32 mm, Ø 3/8–7/8", up to 90°. Soft copper pipes Ø 10–22 mm, Ø 3/8–7/8", s ≤ 1 mm, soft, coated copper pipes Ø 10–18 mm, Ø 3/8–5/8", s ≤ 1 mm, pipes of the press fitting systems made of soft, coated carbon steel Ø 12–18 mm, s ≤ 1.2 mm, soft precision steel pipes Ø 10–18 mm, s ≤ 1.5 mm, composite tubes Ø 14–32 mm. Up to Ø 26 mm with drive unit, polyamide bending formers, back former support H-S Ø 10–26 mm with back formers, in a sturdy case. Up to Ø 32 mm with drive unit, polyamide bending formers, 2 back former supports Ø 10–26 mm and Ø 32 mm with back formers, in a sturdy case.

Description mm	inch	Art.-No.
<b>Set 12 + 15 + 18 + 22</b>	1/2 + 5/8 + 3/4 + 7/8"	153525
<b>Set 10 + 12 + 15 + 18 + 22</b>	3/8 + 1/2 + 5/8 + 3/4 + 7/8"	153521
<b>Set 12 + 14 + 16 + 18 + 22</b>	1/2 + 3/4 + 7/8"	153520
<b>Set 14 + 16 + 20 + 25/26</b>		153526
<b>Set 14 + 16 + 18 + 20 + 25/26</b>		153522
<b>Set 16 + 20 + 25/26 + 32</b>		153529
<b>Set Allround 22</b>		
<b>10 + 12 + 14 + 15 + 16 + 17 + 18 + 20 + 22</b>	3/8 + 1/2 + 5/8 + 3/4 + 7/8"	153527
<b>Set 16 + 18 + 20 + 25/26 + 32</b>		153523
<b>Set Allround 32</b>		
<b>10 + 12 + 14 + 15 + 16 + 17 + 18 + 20 + 22 + 25/26 + 32</b>	3/8 + 1/2 + 5/8 + 3/4 + 7/8"	153528



## Supply format

**REMS Hydro-Swing INOX Set.** REMS Hydro-Swing with aluminium bending formers, especially also for Geberit Mapress Stainless Steel (EN 10088, 1.4401), Geberit Mapress Stainless Steel (EN 10088, 1.4521, nickel-free), Geberit Mapress Carbon Steel (EN 10305-3, 1.0034 (E195)), Viega Sanpress (EN 10088, 1.4401), Viega Prestabo (EN 10305-3, 1.0308 (E235)).

Description mm	Art.-No.
<b>Set 15 + 18 + 22</b>	153510

## Accessories

Description	Art.-No.
<b>REMS Hydro-Swing drive unit</b>	153500
<b>Back former support H-S Ø 10–26 mm</b> with back formers for pipe Ø 10–26 mm, 3/8–7/8"	153501
<b>Back former support Ø 32 mm</b> with back formers for pipe Ø 32 mm	153115
<b>Case with inlay</b>	153570

Bending former for tubes Ø mm/inch	Bending radius <sup>1)</sup> mm	suitable for						Art.-No.
		Cu	Cu-U	St 10217	St 10305	St 10305-U	V	
10, 3/8"	30	●			●			153155
12, 10 U, 1/2"	36	●	●		●			153160
14, 12 U	50	●			●	●	●	153170
15 <sup>2)</sup>	55	●	●	●	●			153531
15, 12 U, 5/8"	55	●	●		●			153175
16, 14 U	55	●	●				●	153180
17, 15 U	60					●	●	153185
18 <sup>2)</sup>	72	●	●	●	●		●	153532
18, 14 U, 15 U, 16 U, 3/4"	72	●	●		●		●	153190
20, 18 U	79	●	●			●	●	153195
22, 18 U, 7/8" <sup>2)</sup>	86	●	●	●	●			153540
22, 18 U, 7/8"	86	●	●					153200
25, 26	88						●	153205
32	128						●	153210

<sup>1)</sup> Bending radius mm at the neutral axis of the bend (DVGW GW 392)

<sup>2)</sup> Aluminium bending formers

- Cu: soft copper tubes, also thin-wall, EN 1057
- St 10217: stainless, nickel steel pipes of the press fitting systems EN 10217-7, EN 10312, series 2, material 1.4401
- St 10305: soft precision steel pipes EN 10305-1, EN 10305-2, EN 10305-3
- St 10305-U: soft, coated carbon steel pipes of the pressfitting systems EN 10305-3
- U: coated
- V: multi-layer composite tubes of pressfitting systems



# REMS Hydro-Swing 22V

Cordless tube bender

Universal, mobile, handy electric tool for dimensionally accurate bending of pipes up to 90°. Ideal for on-site work. For trade and industry. For the building site and the workshop. Li-Ion 22V Technology. For battery and corded operation.

Soft copper pipes, also thin-walled	Ø 10 – 22 mm Ø 3/8 – 7/8" s ≤ 1 mm
Coated soft copper tubes	Ø 10 – 18 mm Ø 3/8 – 5/8" s ≤ 1 mm
Pipes of press fitting systems made of: stainless steel, nickel steel	Ø 15 – 22 mm s ≤ 1.2 mm
Soft, coated carbon steel	Ø 12 – 18 mm s ≤ 1.2 mm
Soft precision steel tubes	Ø 10 – 22 mm s ≤ 1.5 mm
Multi-layer composite tubes	Ø 14 – 32 mm

**REMS Hydro-Swing 22V – bending tubes where they are installed. Mobile, handy, light. Universally usable for many pipe types. Li-Ion 21.6V, 2.5Ah battery, for approx. 110 stainless steel pipe bends of the Ø 22 mm press fitting systems with one battery charge\*.**

## 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

Cordless tube 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

Robust, compact drive unit with closed, maintenance-free hydraulic system. Mobile, handy, light. Drive machine with battery pack weights only 3.0 kg. Can be used anywhere, even in confined spaces. Easy, quick working, e.g. Ø 22 mm stainless steel pipe bend in just 8 s. Marked bending formers for exact bending. Overbend, tier bend possible. Easy and rapid changing of bending formers. Back former support H-S Ø 10 – 26 mm, rotatable according to the size of the pipe to be bent, with back formers for pipes Ø 10 – 26 mm, 3/8 – 7/8". Back former support Ø 32 mm with back formers for pipes Ø 32 mm. LED work light for illuminating the work place.

## Bending formers and sliding pieces

Bending formers and back formers made of high strength, high sliding, glass fibre reinforced polyamide or aluminium bending formers. See table on page 133 for bending formers.

## Drive

Tons of thrust for crease-free bending within seconds. Thrust force 9 kN. Powerful electro-hydraulic drive with powerful battery motor 21.6 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 22V Technology. Highly resistant Li-Ion 21.6V battery with 2.5, 4.4, 5.0 or 9.0 Ah capacity, for long service life. Light and powerful. Li-Ion 21.6V, 2.5 Ah battery for approx. 110 pipe bends, 4.4 Ah for approx. 190 pipe bends, 5.0 Ah for approx. 220 pipe bends, 9.0 Ah for approx. 396 pipe bends of the stainless steel Ø 22 mm press fitting systems with one battery charge\*. Graduated charging status check by coloured LEDs. Operating temperature range – 10 to + 60 °C. No memory effect for maximum battery power. Rapid charger 100 – 240V, 90W. Rapid charger 100 – 240V, 290W, for shorter charging times, as accessory. Voltage supply 220 – 240V/21.6V, 15A output, for mains operation instead of Li-Ion battery 21.6 V, as accessory.

## Supply format

**REMS Hydro-Swing 22V INOX Set.** REMS Hydro-Swing 22V with aluminium bending formers, especially also for Geberit Mapress Stainless Steel (EN 10088, 1.4401), Geberit Mapress Stainless Steel (EN 10088, 1.4521, nickel-free), Geberit Mapress Carbon Steel (EN 10305-3, 1.0034 (E195)), Viega Sanpress (EN 10088, 1.4401), Viega Prestabo (EN 10305-3, 1.0308 (E235)).

Description mm	Art.-No.
Set 15 + 18 + 22	153419

Other voltages on request.



German Quality Product



Info



# REMS Hydro-Swing 22 V

Cordless tube bender

## Supply format

**REMS Hydro-Swing 22 V Set.** Cordless tube bender Ø 10–32 mm, Ø ⅜–⅞", up to 90°. Soft copper pipes Ø 10–22 mm, Ø ⅜–⅞", s ≤ 1 mm, soft, coated copper pipes Ø 10–18 mm, Ø ⅜–⅝", s ≤ 1 mm, pipes of the press fitting systems made of soft, coated carbon steel Ø 12–18 mm, s ≤ 1.2 mm, soft precision steel pipes Ø 10–18 mm, s ≤ 1.5 mm, composite tubes Ø 14–32 mm. Electro-hydraulic drive with powerful battery motor 21.6 V, 380 W, robust planetary gear, eccentric reciprocating pump and compact high power hydraulic system. Safety tip switch. LED work light. Battery Li-Ion 21.6 V, 2.5 Ah, rapid charger 220–240V or 110 V, 50–60 Hz, 70 W. Up to Ø 26 mm with polyamide bending formers, back former support H-S Ø 10–26 mm with back formers. Up to Ø 32 mm with polyamide bending formers, 2 back former supports Ø 10–26 mm and Ø 32 mm with back formers. In XL-Boxx system case.

Description mm	inch	Art.-No.
<b>Set 12 + 15 + 18 + 22</b>	½ + ⅝ + ¾ + ⅞"	153410
<b>Set 10 + 12 + 15 + 18 + 22</b>	⅜ + ½ + ⅝ + ¾ + ⅞"	153411
<b>Set 12 + 14 + 16 + 18 + 22</b>	½ + ⅜ + ⅞"	153412
<b>Set 14 + 16 + 20 + 25/26</b>		153413
<b>Set 14 + 16 + 18 + 20 + 25/26</b>		153414
<b>Set 16 + 20 + 25/26 + 32</b>		153415
<b>Set Allround 22</b>		
<b>10 + 12 + 14 + 15 + 16 + 17 + 18 + 20 + 22</b>	⅜ + ½ + ⅝ + ¾ + ⅞"	153416
<b>Set 16 + 18 + 20 + 25/26 + 32</b>		153417
<b>Set Allround 32</b>		
<b>10 + 12 + 14 + 15 + 16 + 17 + 18 + 20 + 22 + 25/26 + 32</b>	⅜ + ½ + ⅝ + ¾ + ⅞"	153418
<b>Basic-Pack</b> (ohne Biegesegmente und Gleitstücke)		153401

Other voltages on request.



## Accessories

Description	Art.-No.
<b>REMS Hydro-Swing 22 V drive unit, without battery</b>	153400
<b>Back former support H-S Ø 10–26 mm</b> with back formers for pipe Ø 10–26 mm, ⅜–⅞"	153501
<b>Back former support Ø 32 mm</b> with back formers for pipe Ø 32 mm	153115
<b>Battery Li-Ion 21.6 V, 2.5 Ah</b>	571571
<b>Battery Li-Ion 21.6 V, 4.4 Ah</b>	571574
<b>Battery Li-Ion 21.6 V, 5.0 Ah</b>	571581
<b>Battery Li-Ion 21.6 V, 9.0 Ah</b>	571583
<b>Rapid charger 100–240 V, 50–60 Hz, 90 W</b>	571585
<b>Rapid charger 100–240 V, 50–60 Hz, 290 W</b>	571587
<b>Voltage supply 220–240 V/21.6 V, 50–60 Hz, 15 A</b> , for mains operation instead of battery Li-Ion 21.6 V	571567
<b>XL-Boxx system case</b> with inserts	153455

Bending former for tubes Ø mm/inch	Bending radius <sup>1)</sup> mm	suitable for					Art.-No.
		Cu	Cu-U	St 10217	St 10305	St 10305-U	
10, ⅜"	30	●			●		153155
12, 10 U, ½"	36	●	●		●		153160
14, 12 U	50	●			●	●	153170
15 <sup>2)</sup>	55	●	●	●	●		153531
15, 12 U, ⅝"	55	●	●		●		153175
16, 14 U	55	●	●		●	●	153180
17, 15 U	60					●	153185
18 <sup>2)</sup>	72	●	●	●	●	●	153532
18, 14 U, 15 U, 16 U, ¾"	72	●	●		●	●	153190
20, 18 U	79	●	●			●	153195
22, 18 U, ⅞" <sup>2)</sup>	86	●	●	●	●		153540
22, 18 U, ⅞"	86	●	●				153200
25, 26	88					●	153205
32	128					●	153210

<sup>1)</sup> Bending radius mm at the neutral axis of the bend (DVGW GW 392)

<sup>2)</sup> Aluminium bending formers

- Cu: soft copper tubes, also thin-wall, EN 1057
- St 10217: stainless, nickel steel pipes of the press fitting systems EN 10217-7, EN 10312, series 2, material 1.4401
- St 10305: soft precision steel pipes EN 10305-1, EN 10305-2, EN 10305-3
- St 10305-U: soft, coated carbon steel pipes of the pressfitting systems EN 10305-3
- U: coated
- V: multi-layer composite tubes of pressfitting systems



\* Ambient temperature approx. 20°C.

Robust, oil-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	Ø 3/8 – 2"
Multilayer composite tubes	Ø 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. Also for producing level bends in different planes.**

### Universal use

For locksmith work, sanitary and heating installation and machine and plant engineering. Excellently suitable for steel pipes EN 10255 and for multilayer composite tubes of the pressfitting systems.

### System advantage

Only **one** bender drive for the whole working range up to Ø 2", Ø 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, oil-hydraulic drive unit with closed, maintenance-free hydraulic system. 2 slide roller supports and 2 slide rollers form a closed bending frame for high rigidity and precision when 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°. Upper slide roller support with laterally adjustable slide roller bearing plate for producing over-bends and level bends according to requirements also in different planes. 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 135. 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

Oil-hydraulic drive unit with hydraulic cylinder made from high-quality, rolled hydraulic tube. Overload protection of the hydraulic thrust in the foremost piston position and overpressure valves 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



Bridges.



Info



Doglegs on several levels.



### Supply format

**REMS Python Set.** Oil-hydraulic pipe bender for dimensionally accurate bending of pipes up to 90°. Steel pipes EN 10255 Ø ¾ – 2", multilayer composite tubes Ø 32 – 75 mm. Drive unit with back former supports, upper back former support with laterally adjustable back former support bearing plate, 2 back formers, bending formers St or V. In sturdy carrying case.

Description	Art.-No.
<b>Set St ¾ + ½ + ¾ + 1 + 1½"</b>	590020
<b>Set St ½ + ¾ + 1 + 1½ + 1½ + 2"</b>	590021
<b>Set V 40 + 50 + 63 mm</b>	590022

### Accessories

Description	Art.-No.
<b>Drive unit</b> with back former supports and back formers	590000
<b>Slide piece Ø 75 mm (pack of 2)</b>	590111
<b>Tripod</b>	590150
<b>Carrying case</b> with practical handles	590160
<b>Angle gauge</b> for dimensionally accurate bending	590153

Bending former for pipes Ø mm/inch	Bending radius <sup>1)</sup> mm	Bending radius <sup>2)</sup> mm	suitable for					Art.-No.
			St 10255	>				
St ¾"	50		●					590051
St ½"	65		●					590052
St ¾"	85		●					590053
St 1"	100		●					590054
St 1¼"	150		●					590055
St 1½"	170		●					590056
St 2"	220		●					590057
V 32 mm	112	128		●				590061
V 40 mm	140	160		●				590058
V 50 mm	175	200		●				590059
V 63 mm	220	252		●				590060
V 75 mm	260	298		▲				590062

St 10255: Steel pipes (threaded pipes) EN 10255  
 V: multilayer composite pipes of the pressfitting systems  
 ▲ 2 slide pieces Ø 75 mm (Art. No. 590111) required

<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)



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 3/8 – 1 3/8"
Coated soft copper tubes, also thin-wall	Ø 10 – 18 mm
Thick-walled copper pipes K65 for refrigeration and air conditioning technology EN 12735-1	Ø 3/8 – 1 3/8"
Pipes of press fitting systems made of stainless steel	Ø 12 – 28 mm
Carbon steel (coated)	Ø 12 – 28 mm
Soft precision steel tubes	Ø 10 – 28 mm
Steel pipes EN 10255	Ø 1/4 – 3/4"
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 22V, REMS Curvo, REMS Curvo 50 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 absorption 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. Overbend, double bend, tier bend, reversed bend 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 (page 143).

### 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



Info





### Supply format

**REMS Curvo Set.** Electric pipe and tube bender Ø 10–40 mm, Ø ¼–1½", up to 180°. Hard, semi-hard, soft copper pipes, also thin-walled, Ø 10–35 mm, Ø ¾–1½", soft coated copper pipes, also thin-walled, Ø 10–18 mm, thick-walled copper pipes K65 for refrigeration and air conditioning technology EN 12735-1 Ø ¾–1½", pipes of the press fitting systems 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 ¼–¾", electrical installation pipes EN 50086 Ø 16–32 mm, composite tubes Ø 14–40 mm, etc. 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.

Description	Art.-No.
Set 15 + 18 + 22	580026
Set 15 + 18 + 22 + 28 <sup>1)</sup>	580027
Set 15 + 18 + 22 + 28 <sup>2)</sup>	580036
Set 15 + 18 + 22 + 28 <sup>3)</sup>	580035
Set 12 + 15 + 18 + 22	580020
Set 12 + 15 + 18 + 22 + 28 <sup>1)</sup>	580033
Set 12 + 15 + 18 + 22 + 28 <sup>2)</sup>	580037
Set 15 + 22 + 28 <sup>1)</sup>	580022
Set 15 + 22 + 28 <sup>2)</sup>	580040
Set 17 + 20 + 24	580023
Set 12 + 14 + 16 + 18 + 22	580021
Set 12 + 14 + 16 + 18 + 22 + 28 <sup>1)</sup>	580031
Set 12 + 14 + 16 + 18 + 22 + 28 <sup>2)</sup>	580038
Set 14 + 16 + 18 + 22 + 28 <sup>1)</sup>	580028
Set 14 + 16 + 18 + 22 + 28 <sup>2)</sup>	580039
Set ¾ + ½ + ¾ + ¾ + ¾"	580024
Set 16 + 20 + 26 + 32	580025
Set 16 + 20 + 25 + 32	580034
Set 20 + 25 + 32	580029
Set 32 + 40	580030
<b>Basic-Pack</b> (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 143.

<sup>1)</sup> Bending former and back former 28, R102, Art. No. 581070, for hard, semi-hard copper pipes, also thin-walled. See page 143.

<sup>2)</sup> Bending former and back former 28, ¾" (DN 20), R102, Art. No. 581260, for hard copper pipes Ø 28 mm, Ø 1½", pipes of the press fitting systems of stainless steel/carbon steel Ø 28 mm, steel pipes ¾". See page 143.

<sup>3)</sup> Bending former and back former 28, ¾" (DN 20), R114, Art. No. 581310, for hard, semi-hard copper pipes Ø 28 mm, pipes of the press fitting systems of stainless steel/carbon steel Ø 28 mm, steel pipes ¾". According to DVGW work sheet GW 392 for hard and semi-hard copper pipes Ø 28 mm minimum bending radius 114 mm necessary. Wall thickness ≥ 0.9 mm. See page 143.

### Accessories

Description	Art.-No.
<b>Bending formers and back formers</b> see page 143.	
<b>REMS Curvo drive unit</b>	580000
<b>Insert bolt</b>	582036
<b>REMS bending spray</b> , 400 ml	140120
<b>Steel case</b> with insert	586000
<b>Machine support 3B</b> , height adjustable, on tripod	586100
<b>Machine support WB</b> , height adjustable, for mounting on work bench	586150



Basic-Pack



3B



WB

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"
Stainless steel pipes EN ISO 1127, EN 10217-1	Ø ½ – 1¼" s ≤ 2.6 mm
Hard, half-hard, soft copper tubes	Ø 10 – 42 mm
Thin-wall copper tubes	Ø 10 – 35 mm
Thick-walled copper pipes K65 for refrigeration and air conditioning technology EN 12735-1	Ø ¾ – 1⅝"
Pipes of press fitting systems made of stainless steel	Ø 12 – 42 mm
Carbon steel, also coated	Ø 12 – 42 (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, 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 22V, REMS Curvo and REMS Sinus (page 143) 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 1¼" in only 37 s. Fast and creep speed operation for precise bending. Overbend, tier bend, reversed bend 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 (page 143). 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.



German Quality Product



## Supply format

**REMS Curvo 50 Basic-Pack.** Electric pipe and tube bender Ø 10–50 mm, up to 90°. Steel pipes EN 10255 Ø ¼–1¼", stainless steel pipes EN ISO 1127, EN 10217-7, Ø ½–1¼", s ≤ 2.6 mm, hard, semi-hard, soft copper pipes, Ø 10–42 mm, thin-walled copper pipes Ø 10–35 mm, thick-walled copper pipes K65 for refrigeration and air conditioning technology EN 12735-1 Ø ¾–1½", pipes of the press fitting systems of stainless steel Ø 12–42 mm, carbon steel Ø 12–42 mm, coated carbon steel Ø 12–28 mm, composite tubes Ø 14–50 mm, etc. 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	Art.-No.
<b>Bending formers and back formers</b> see page 143.	
<b>REMS Curvo 50 drive unit</b>	580100
<b>Adaptor block 35–50, Support 35–50</b> , for bending formers and back formers Ø 35 R 100, Ø 42 R 140, Ø 50 R 135, Ø 1" R 100, Ø 1¼" R 140 (see page 143).	582110
<b>Adaptor block 10–40, Support 10–40</b> , for bending formers and back formers REMS Curvo, REMS Curvo 22V, REMS Sinus (see page 143).	582120
<b>Insert bolt</b>	582036
<b>REMS bending spray</b> , 400 ml	140120
<b>Carrying case</b> with practical handles	590160
<b>Steel case</b> with insert for each bending former and back former R 100 and R 135/R 140, 90°	586012



# REMS Curvo 22V

Cordless tube bender

Universal, mobile 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. Li-Ion 22V Technology. For battery and corded operation.

Hard, half-hard, soft copper tubes also thin-wall	Ø 10 – 28 mm Ø 3/8 – 1 1/8"
Coated soft copper tubes, also thin-wall	Ø 10 – 18 mm
Thick-walled copper pipes K65 for refrigeration and air conditioning technology EN 12735-1	Ø 3/8 – 1 1/8"
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	Ø 1/4 – 3/4"
Electric conduit EN 50086	Ø 16 – 25 mm
Multi-layer composite tubes	Ø 14 – 40 mm

**REMS Curvo 22V – wrinkle-free bending of pipes. Mobile, handy, light. 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. Li-Ion 21.6V, 5.0Ah battery, for approx. 90 pipe bends of the stainless steel Ø 22 mm press fitting systems with one battery charge\*.**

## 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 Curvo 22V, REMS Curvo, REMS Curvo 50 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, mobile, handy electric tool with integral absorption of torque during bending. Super light, drive machine with battery pack weights only 8.5 kg. Electronic charging status check with low discharge protection. Practical D-shaped handle with soft grip. Can be used anywhere, anytime. No setting. Simple, effortless, fast working, e.g. 90° bend Ø 22 mm only 6 s. Fast and creep speed with immediate stop for precise bending. Overbend, double bend, tier bend, reversed bend 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 (page 143).

## Drive

Robust, maintenance-free gear. Final point safety in both directions through safety slipping clutch. Powerful battery motor 21.6 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. Machine status check with overload protection of the drive unit against too high currents, with overheating protection by motor temperature monitoring (NTC), with electronic battery charging status check with charging level indication by a 2-coloured green/red LED.

## Battery or mains operation

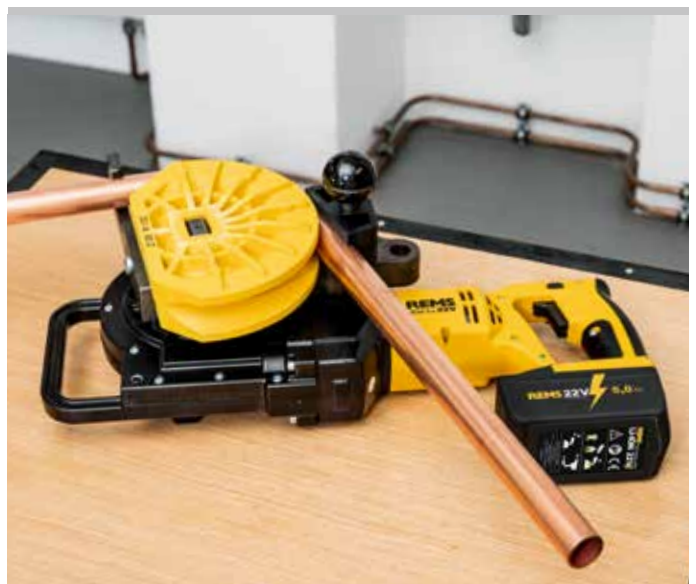
Li-Ion 22V Technology. Highly resistant Li-Ion 21.6V battery with 4.4, 5.0 or 9.0 Ah capacity, for long service life. Light and powerful. Li-Ion 21.6V, 4.4 Ah battery, for approx. 79 pipe bends, 5.0Ah battery, for approx. 90 pipe bends, 9.0 Ah for approx. 160 pipe bends of the stainless steel Ø 22 mm press fitting systems with one battery charge\*. Graduated charging status check by coloured LEDs. Operating temperature range – 10 to + 60 °C. No memory effect for maximum battery power. Rapid charger 100–240V, 90W. Rapid charger 100–240V, 290W, for shorter charging times, as accessory. Voltage supply 220–240V/21.6V, 40A output, for mains operation instead of Li-Ion battery 21.6 V, as accessory.



German Quality Product



Info



## 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 22V Set.** Cordless tube bender Ø 10–40 mm, Ø ¼–1½", to 180°. Hard, semi-hard, soft copper pipes, also thin-walled, Ø 10–28 mm, Ø ¾–1½", soft coated copper pipes, also thin-walled, Ø 10–18 mm, thick-walled copper pipes K65 for refrigeration and air conditioning technology EN 12735-1 Ø ¾–1½", pipes of the press fitting systems 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 ¼–¾", electrical installation pipes EN 50086 Ø 16–25 mm, composite tubes Ø 14–40 mm, etc. Drive machine with D-shaped handle, maintenance-free gear with safely slipping clutch, powerful battery motor 21.6 V, stepless, electronic safety switch with immediate stop, right and left-hand rotation. Machine status check with overload protection, temperature monitoring, battery charging status check. Li-Ion 21.6 V, 5.0 Ah battery, 100–240 V, 50–60 Hz, 90 W rapid charger. Insert bolt. Bending and back formers. In sturdy steel case.

Description	Art.-No.
<b>Set 15 + 18 + 22</b>	580051
<b>Set 15 + 18 + 22 + 28<sup>1)</sup></b>	580052
<b>Set 15 + 18 + 22 + 28<sup>2)</sup></b>	580053
<b>Set 15 + 18 + 22 + 28<sup>3)</sup></b>	580054
<b>Set 12 + 15 + 18 + 22</b>	580055
<b>Set 12 + 15 + 18 + 22 + 28<sup>1)</sup></b>	580056
<b>Set 12 + 15 + 18 + 22 + 28<sup>2)</sup></b>	580057
<b>Set 15 + 22 + 28<sup>1)</sup></b>	580058
<b>Set 15 + 22 + 28<sup>2)</sup></b>	580059
<b>Set 17 + 20 + 24</b>	580060
<b>Set 12 + 14 + 16 + 18 + 22</b>	580061
<b>Set 12 + 14 + 16 + 18 + 22 + 28<sup>1)</sup></b>	580062
<b>Set 12 + 14 + 16 + 18 + 22 + 28<sup>2)</sup></b>	580063
<b>Set 14 + 16 + 18 + 22 + 28<sup>1)</sup></b>	580064
<b>Set 14 + 16 + 18 + 22 + 28<sup>2)</sup></b>	580065
<b>Set ¾ + ½ + ¾ + ¾ + ¾"</b>	580066
<b>Set 16 + 20 + 26 + 32</b>	580067
<b>Set 16 + 20 + 25 + 32</b>	580068
<b>Set 20 + 25 + 32</b>	580069
<b>Basic-Pack (without bending and back formers)</b>	580014

Other voltages on request.

REMS Curvo 22V Set delivered with the smaller radius bending and back former (except Art.-No. 580069), see page 143.

<sup>1)</sup> Bending former and back former 28, R102, Art. No. 581070, for hard, semi-hard copper pipes, also thin-walled. See page 143.

<sup>2)</sup> Bending former and back former 28, ¾" (DN 20), R102, Art. No. 581260, for hard copper pipes Ø 28 mm, Ø 1½", pipes of the press fitting systems of stainless steel/carbon steel Ø 28 mm. See page 143.

<sup>3)</sup> Bending former and back former 28, ¾" (DN 20), R114, Art. No. 581310, for hard, semi-hard copper pipes Ø 28 mm, pipes of the press fitting systems of stainless steel/carbon steel Ø 28 mm, steel pipes ¾". According to DVGW work sheet GW 392 for hard and semi-hard copper pipes Ø 28 mm minimum bending radius 114 mm necessary. Wall thickness ≥ 0.9 mm. See page 143.

## Accessories

Description	Art.-No.
<b>Bending formers and back formers</b> see page 143.	
<b>REMS Curvo 22V drive unit, without battery</b>	580004
<b>Battery Li-Ion 21.6 V, 4.4 Ah</b>	571574
<b>Battery Li-Ion 21.6 V, 5.0 Ah</b>	571581
<b>Battery Li-Ion 21.6 V, 9.0 Ah</b>	571583
<b>Rapid charger 100–240 V, 50–60 Hz, 90 W</b>	571585
<b>Rapid charger 100–240 V, 50–60 Hz, 290 W</b>	571587
<b>Voltage supply 220–240 V/21.6 V, 50–60 Hz, 40 A, for mains operation instead of battery Li-Ion 21.6 V</b>	571578
<b>Insert bolt</b>	582036
<b>REMS bending spray, 400 ml</b>	140120
<b>Steel case with inlay</b>	566030
<b>Machine support 3B, height adjustable, on tripod</b>	586100
<b>Machine support WB, height adjustable, for mounting on work bench</b>	586150
<b>REMS Lumen 2800 22V, cordless LED flood light, see page 111</b>	



Basic-Pack



3B



WB

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 3/8 – 7/8"
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 – 18 mm
Carbon steel	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 Curvo 22V, REMS Curvo, REMS Curvo 50 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 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, drive unit in hardened steel for high stress. 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 143.

### 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 3/8–7/8", up to 180°. Hard, half-hard, soft copper tubes, also thin-wall Ø 10–22 mm, Ø 3/8–7/8", 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. Drive unit, insert bolt. Bending formers and back formers. REMS bending spray. In sturdy steel case.

Description	Art.-No.
<b>Set 15 + 18 + 22</b>	154001
<b>Set 14 + 16 + 18</b>	154002
<b>Set 12 + 15 + 18 + 22</b>	154003
<b>Set 10 + 12 + 14 + 16 + 18 + 22</b>	154004
<b>Basic-Pack</b> (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 143.

### Accessories

Description	Art.-No.
<b>Bending and back formers</b> see page 143.	
<b>Insert bolt</b>	582036
<b>REMS Curvo drive unit</b>	580000
<b>REMS Sinus drive unit</b>	154000
<b>REMS bending spray, 400 ml</b>	140120
<b>Steel case with inlay</b>	154160



German Quality Product



Info



# Bending formers and back formers

Accessories for REMS Curvo 50, REMS Curvo,  
REMS Curvo 22 V and REMS Sinus

Bending formers and back formers, 180°, form and pressure resistant, in high-strength, high-slide, glass-fibre reinforced polyamide or aluminum 90° (Ø 21.3 R 103, Ø 26.9 R 102, Ø 33.7 R 100, Ø 35 R 100, Ø 42 R 140, Ø 42.4 R 140, Ø 50 R 135, Ø 1" R 100, Ø 1¼" 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.



Bending former and back former for pipes Ø mm/inch O.D.	R mm	X mm 90°	X mm 45°	Bending former material	REMS Sinus				REMS Curvo				REMS Curvo 22 V				REMS Curvo 50				Art.-No.									
					Cu	Cu-U	St 10312	St 10305-U	St 10305	St 10255	St 50086	V	Cu	Cu 12735	Cu-U	St 10312	St 10305-U	St 10305	St 10255	St 50086		V	Cu	Cu 12735	Cu-U	St 10312	St 1127	St 10305-U	St 10305	St 10255
10	40	45	20	P	•		•				•			•					▲			▲		▲				▲	581400	
12	45	49	22	P	•	•	•				•			•					▲			▲		▲				▲	581410	
14, 10 U, ¼" (DN 6)	50	53	23	P	•	•	•				•			•					▲			▲		▲				▲	581420	
15, 12 U	55	56	25	P	•	•	•				•			•					▲			▲		▲				▲	581430	
16, 12 U	60	62	28	P	•	•	•				•			•					▲			▲		▲				▲	581440	
17, 15 U	56	60	27	P	•		•				•			•					▲			▲		▲				▲	581110	
18, 14 U, 15 U, ⅜" (DN 10)	70	75	33	P	•	•	•				•			•					▲			▲		▲				▲	581450	
20, 16 U, 18 U	75	80	36	P	•	•	•				•			•					▲			▲		▲				▲	581080	
21.3, ½" (s = 1.6/2.0/2.6)	103	110	50	S															■			■						■	581480	
22, 18 U, ½" (DN 15)	77	81	36	A	•	•	•				•			•					▲			▲		▲				▲	581460	
22, 18 U, ½" (DN 15)	88	91	41	P							•			•					▲			▲		▲				▲	581470	
24, 22 U	75	85	38	P							•			•					▲			▲		▲				▲	581130	
25	98	103	46	P							•			•					▲			▲		▲				▲	581180	
26	98	108	49	A							•			•					▲			▲		▲				▲	581270	
26.9, ⅜" (s = 1.6/2.0/2.6)	102	108	49	S															■			■						■	581490	
28 <sup>1)</sup>	102 <sup>3)</sup>	108	49	P							•			•					▲			▲		▲				▲	581070	
28, ¾" (DN 20) <sup>2)</sup>	102	110	50	A							•			•					▲			▲		▲				▲	581260	
28, ¾" (DN 20) <sup>2)</sup>	114	120	54	A							•			•					▲			▲		▲				▲	581310	
30, 28 U	98	105	47	P							•			•					▲			▲		▲				▲	581150	
32	98	110	50	P							•			•					▲			▲		▲				▲	581280	
32	114	121	54	A							•			•					▲			▲		▲				▲	581320	
1" (DN 25)	100	105	47	S																									■	581520
33.7, 1" (s = 1.6/2.0/2.6)	100	105	47	S																									■	581520
35	100	105	47	S																									■	581500
35	140	150	68	A							•			•					▲			▲		▲				▲	581350	
40	140	148	67	A							•			•					▲			▲		▲				▲	581330	
42	140	155	70	S															■			■		■				■	581510	
1¼" (DN 32)	140	150	68	S																									■	581530
42.4, 1¼" (s = 2.0/2.6)	140	150	68	S																									■	581530
50	135	143	64	S																									■	581540
⅜" (9.5 mm)	43	48	22	P	•						•			•					▲			▲		▲				▲	581200	
½" (12.7 mm)	52	60	27	P	•						•			•					▲			▲		▲				▲	581210	
⅝" (15.9 mm)	63	70	32	P	•						•			•					▲			▲		▲				▲	581220	
¾" (19.1 mm)	75	82	37	P	•						•			•					▲			▲		▲				▲	581230	
⅞" (22.2 mm)	98	107	48	P	•						•			•					▲			▲		▲				▲	581240	
1" (25.4 mm)	101	112	50	P							•			•					▲			▲		▲				▲	581370	
1⅛" (28.6 mm)	102	110	44	A							•			•					▲			▲		▲				▲	581260	
1⅞" (28.6 mm)	115	117	53	A							•			•					▲			▲		▲				▲	581380	
1¼" (31.8 mm)	114	123	55	A							•			•					▲			▲		▲				▲	581320	
1¼" (31.8 mm)	133	145	65	A							•			•					▲			▲		▲				▲	581390	
1⅜" (34.9 mm)	100	105	47	S																									■	581500
1⅜" (34.9 mm)	140	150	68	A							•			•					▲			▲		▲				▲	581350	
1⅝" (41.3 mm)	140	155	70	S																									■	581510

- R mm: Bending radius mm at the neutral axis of the bend (DVGW GW 392)
- X mm: Correction dimension for a 90° or 45° bend
- s mm: Wall thickness
- <sup>1)</sup>: hard, semi-hard copper pipes, also thin-walled, EN 1057
- <sup>2)</sup>: hard copper pipes EN 1057
- <sup>3)</sup>: According to DVGW work sheet GW 392 for hard and semi-hard copper pipes Ø 28 mm minimum bending radius 114 mm necessary. Wall thickness ≥ 0.9 mm.
- ▲: Adaptor block 10-40, support 10-40 (Art.-No. 582120) necessary.
- : Adaptor block 35-50, support 35-50 (Art.-No. 582110) necessary.
- Cu: hard, half-hard, soft copper tubes, also thin-wall, EN 1057
- Cu 12735: Copper pipes K65 for refrigeration and air conditioning technology in accordance with EN 12735-1, EN 12449
- St 10312: stainless steel pipes of the press fitting systems EN 10312, series 2, EN 10088, EN 10217-7
- St 1127: stainless steel pipes EN ISO 1127, EN 10217-7
- St 10305-U: coated, soft carbon steel pipes of the press fitting systems EN 10305-3
- St 10305: soft precision steel pipes EN 10305-1, EN 10305-2, EN 10305-3, carbon steel pipes EN 10305-3
- St 10255: Steel pipes (threaded pipes) EN 10255
- St 50086: Electrical installation pipes DIN EN 50086
- U: coated
- V: multi-layer composite tubes of pressfitting systems
- P: Bending former made of glass fibre-reinforced polyamide
- A: Bending former made of aluminium
- S: Bending former made of spheroidal iron

**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. The correction dimension X specified in Fig. 1 must be considered for a 90° or 45° bend. 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.

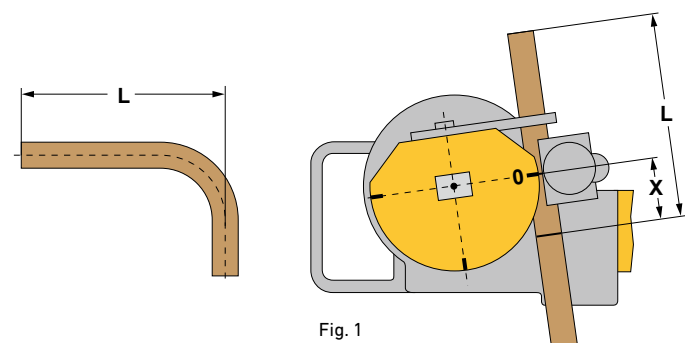


Fig. 1