

Core drilling in steel-reinforced concrete, masonry etc.

REMS Picus SR



REMS

for Professionals

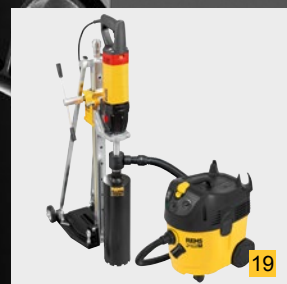
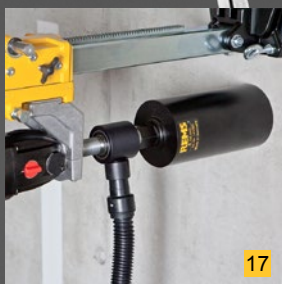
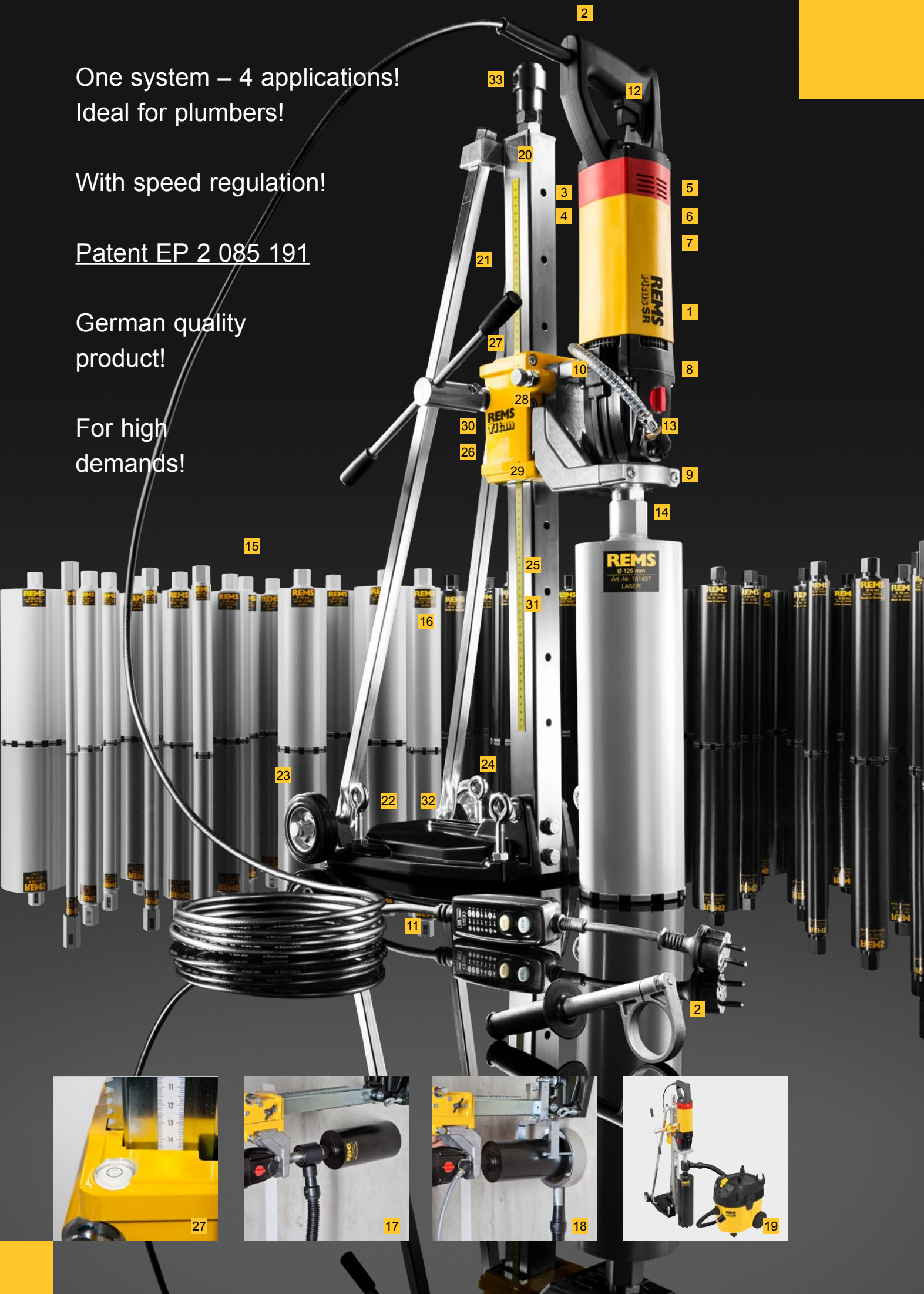
One system – 4 applications!
Ideal for plumbers!

With speed regulation!

Patent EP 2 085 191

German quality
product!

For high
demands!



REMS Picus SR. With speed regulation.

Constant speed even under load.

REMS Picus SR is the universal, handy diamond core drilling machine for dry or wet drilling, hand held or with drill stand. For core drilling in steel-reinforced concrete $\leq \varnothing 162$ (200) mm, masonry and other materials $\leq \varnothing 250$ mm. The wide operating range, the low weight of just 6.4 kg and the built-in electronic tachometer speed regulation make the machine unique in its handling and operation. Its compact design enable it to be used everywhere, even in tight corners and flush with the wall. The powerful universal motor with 2200 W enables fast working, e.g. core drilling 200 mm in $\varnothing 62$ mm steel-reinforced concrete in just 3 min.

- 1 Low weight. Drive unit only 6.4 kg.
- 2 Practical spade handle and stabiliser for hand held drilling.
- 3 Robust, powerful universal motor 230 V / 110 V, 50–60 Hz, 2200 W, for fast working.
- 4 Temperature control of the motor's field wires with a PTC resistor (Positive Temperature Coefficient) as overheating protection.
- 5 Continuous electronic speed control 250 rpm to 500 rpm (1st gear) or 600 rpm to 1,200 rpm (2nd gear) for selecting speed suitable for the material and for delicate drilling start.
- 6 **Speed-Regulation**
The electronic speed control that is being used keeps the selected speed constant, also under load. The speed of the drilling crown is kept at the nominal value until it meets with resistance and drops below a critical value. The drive motor stops. When the load on the drive unit is relieved again, the drill runs back up to nominal speed so that work can continue immediately at nominal speed (**Patent EP 2 085 191**).
Advantage:
The optimum drilling speed (load speed) selected for the respective material remains constant for the entire duration of the drilling. For the best drilling performance and maximum life of the drilling crowns.
- 7 Multifunction electronics with soft starting, idle speed limiting, overload protection
- 8 Stable, maintenance-free, 2-step gear for optimum speed Blocking protection by safety slip clutch
- 9 Chuck $\varnothing 60$ mm for holding the drive unit in the drill stand.
- 10 Spacer set for additional stabilisation of the REMS Picus SR drive unit on the REMS Titan drill stand.
- 11 Long connecting cable with integrated personal protection switch (PRCD)
- 12 Touch switch with lock
- 13 Water supply device for wet drilling, with adjustable shut-off valve and quick coupling with water stop and $\frac{1}{2}$ " hose connection
- 14 Drilling crown connection threads UNC $1\frac{1}{4}$ male and G $\frac{1}{2}$ female
- 15 REMS Universal diamond core drilling crowns for many materials, see accessories
- 16 REMS Titan. Highly stable drill stand for core drilling up to $\varnothing 300$ mm
- 17 **Dust extraction in accordance with EN 60335-2-69**
Suction of health hazardous dusts during dry drilling. Suction rotor for dust extraction in dry drilling with connection for REMS Pull and other suitable extractors, as accessory.
- 18 **Water extraction**
Water extraction device for wet drilling up to $\varnothing 170$ mm.
- 19 **REMS Pull L / M**, dry and wet extractor, certified as extractor and dust extractor for extracting health hazardous dusts in accordance with EN 60335-2-69

REMS Titan – for high demands.

Robust, highly stable drill stand for core drilling up to Ø 300 mm.

The REMS Titan drill stand sets new standards in stability and precision. For high demands. The robust, highly stable structure and the high precision of the in-feed drive ensure easy, low-vibration drilling and precise, low-vibration drill thrust. Ideal for core drilling in steel-reinforced concrete and other materials up to Ø 300 mm. The drill stand comes complete with a key set and a fastening set for masonry and concrete. It is therefore ready for immediate use anywhere.

- 20** Drill column made of rigid, unbendable square precision steel tube \varnothing 50 mm, cold solidified, with extra narrow tolerance, for low-vibration guiding of the slide. Continuously tiltable with degree scale up to 45°, with double support by adjustable, single-part steel girders, for maximum thrust pressure.
- 21** Highly stable, 3-sided guidance of the drill column in the base plate and triple cross fastening for high rigidity in vertical drilling.
- 22** Weight 19.5 kg.
- 23** Mobile drill stand for easy transport.
- 24** 4 eyebolts for compensating unevenness of the floor, for exact standing position.
- 25** Drilling depth scale.
- 26** Slide guided on all sides by adjustable, pretensioned plastic slide bearings. Precision in-feed drive ensures easy, low-vibration drilling and precise, low-vibration drill thrust. For high thrust pressure and long life of the drilling crowns.
- 27** Spirit level integrated in the slide for exact alignment of the drill stand.
- 28** Locking of the slide for simple assembly of the drilling crown and safe transport.
- 29** Rigid connection plate made of wear-resistant spheroidal iron. Quick-clamping device for accommodating drive units with a suitable connection plate. Highly stable clamping bracket, unbendable and rigid, for accommodating drive units with Ø 60 mm clamping throat.
- 30** Rack and pinion force transmission with ergonomically designed pressing lever which can be inserted in both sides of the slide.
- 31** Wide steel rack.
- 32** Base plate with groove for sealing ring of the vacuum fastening. Vacuum fastening as accessory.
- 33** Drill column with adjustable clamping head for clamping the drill stand between the ceiling and floor or between two walls.



Accessories



REMS Picus SR drive unit Art.-No. 183000 R220

Spacer set for additional stabilisation of the REMS Picus SR drive unit on the REMS Titan drill stand, consisting of spacer and 2 cylinder head screws M 8 × 65 Art.-No. 183632 R

Water pressure tank for 10 ltr of water, for wet drilling without water connection Art.-No. 182006 R

Titan drilling template for easy setting of the fastening holes. For REMS Titan drilling stand. Art.-No. 183605 R

Carbide masonry drills Ø 15 mm SDS-plus for hammer anchors M12 Art.-No. 079018

Hammer anchor M12 (pack of 50), for concrete Art.-No. 079005 R50

Setting iron for hammer anchor M12 Art.-No. 182050 R

Carbide masonry drill Ø 20 mm SDS-plus for splaying anchors M12 Art.-No. 079019

Splaying anchor M12 (pack of 10), for masonry, reusable Art.-No. 079006 R10

Quick clamping set 160 for fastening the drilling stand with anchors, consisting of cord threaded bar 160 mm with M12 × 52 thread, quick clamping nut, washer. Art.-No. 079010

Quick clamping set 500 for fastening the drilling stand without anchor, consisting of cord threaded bar 500 mm, 2 quick clamping nuts, 2 washers Art.-No. 183607 R

Titan vacuum fastening, consisting of cover plate with nipple for 3/8" screw connection and sealing ring for base plate. Art.-No. 183603 R

Vacuum pump, for vacuum ≤ -900 mbar (90%), consisting of dry running rotary slide pump, oil-free, performance 6 m3/h, condenser motor 230 V, 50–60 Hz, 250 W, splash water-protected, inside suction filter with silencer function and 5 m PVC fabric hose with bayonet coupling. Art.-No. 183670 R220

Laser drilling centre pointer Art.-No. 183604 R

Drilling start aid G 1/2, with bores for extracting the drilling dust from the bore hole by a suction rotor for dust extraction (Art. No. 181160 R), with carbide masonry drill Ø 8 mm Art.-No. 180140 R

Carbide masonry drill Ø 8 mm for drilling aid Art.-No. 079013

Single open ended wrench size 41 for loosening the universal diamond core drilling crowns Art.-No. 079003

Light loosening ring, for light loosening of the diamond core crown Art.-No. 180015

Drilling crown extension 200 mm Art.-No. 180155 R

Sharpening stone for diamond core drilling crowns Art.-No. 079012

Bull's eye level, magnetic, for aligning the drill stand Art.-No. 182010 R

Accessories



Suction rotor for dust extraction

with G ½ male connecting thread, UNC 1¼ male connecting thread and with connection for REMS Pull and other suitable extractors.

Art.-No. 180160 R

Water suction device, for wet drilling up to Ø 170 mm, consisting of water collection ring with pressure ring, rubber washer Ø 200 mm and universal pressure pad for all REMS drilling stands.

Art.-No. 183606 R

Rubber washer Ø 200 mm (pack of 10),

for water suction device

Art.-No. 183675 R10



REMS Pull L Set, dry and wet extractor, certified as extractor and dust extractor for extracting health hazardous dusts in accordance with EN 60335-2-69 Dust class L. Exposure limit/work place limit > 1 mg/m³, penetration level ≤ 1 %.

Art.-No. 185500 R220



Safety extractor of dust class L

REMS Pull L Set W

REMS Pull L Set including water-resistant flat pleated filter PES and water extraction device. Ideal for extraction of drilling sludge when wet drilling with REMS drill stands. See figure below.

Art.-No. 185503 R220



REMS Pull M Set, dry and wet extractor, certified as extractor and dust extractor for extracting health hazardous dusts in accordance with EN 60335-2-69 Dust class M. Exposure limit/work place limit > 0.1 mg/m³, penetration level ≤ 0.1 %.

Art.-No. 185501 R220



Safety extractor of dust class M

REMS Pull M Set D

REMS Pull M Set including suction rotor for dust extraction. Ideal for extracting health hazardous dusts when dry drilling with REMS Picus S1, Picus SR, Picus S3 etc. See figure below.

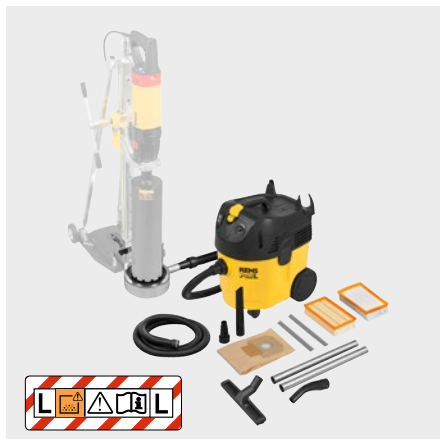
Art.-No. 185504 R220

REMS Pull L Set W

For water extraction

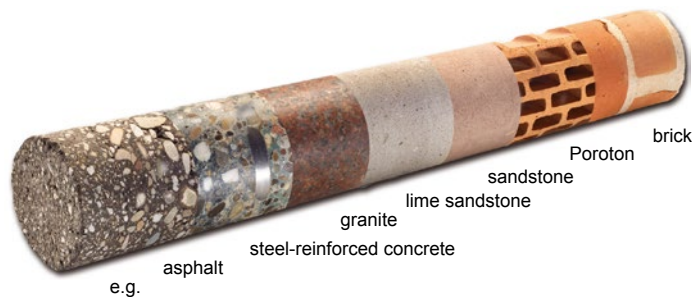
REMS Pull M Set D

For dust extraction in accordance with EN 60335-2-69



High quality REMS Universal diamond core drilling crowns. Universally usable for many materials.

Universally usable for dry and wet drilling, hand held or with drill stand. Uniform UNC 1¼ female connection thread. Drilling depth 420 mm. Diamond segments with wedge-shaped cut ("roof shape") for fast, easy and quiet drilling. Specially developed, high quality diamond segments with high diamond content and special bonding for excellent drilling performance and very long life Ideal for universal use in steel-reinforced concrete and masonry. Can be driven by all REMS Picus drive units and suitable drive units of other makes with a UNC 1¼ male connection thread. Adapter for connection of REMS Universal diamond core drilling crowns on drive machines with other connection thread as an accessory.




Inductively soldered!
Reusable!



REMS Universal diamond core drilling crowns

Inductively soldered on fully automatic soldering machines for constant high quality of the soldered connection
Drilling tubes with soldered diamond segments can be resoldered by simple hard soldering.

German quality product


Ø × drilling depth × connection		Art.-No.
UDKB 32 × 420 × UNC 1¼	4	181010 R
UDKB 42 × 420 × UNC 1¼	4	181015 R
UDKB 52 × 420 × UNC 1¼	5	181020 R
UDKB 62 × 420 × UNC 1¼	6	181025 R
UDKB 72 × 420 × UNC 1¼	7	181030 R
UDKB 82 × 420 × UNC 1¼	7	181035 R
UDKB 92 × 420 × UNC 1¼	8	181040 R
UDKB 102 × 420 × UNC 1¼	8	181045 R
UDKB 112 × 420 × UNC 1¼	9	181050 R
UDKB 125 × 420 × UNC 1¼	10	181057 R
UDKB 132 × 420 × UNC 1¼	11	181060 R
UDKB 152 × 420 × UNC 1¼	12	181065 R
UDKB 162 × 420 × UNC 1¼	12	181070 R
UDKB 182 × 420 × UNC 1¼	12	181075 R
UDKB 200 × 420 × UNC 1¼	12	181080 R
UDKB 225 × 420 × UNC 1¼	13	181085 R
UDKB 250 × 420 × UNC 1¼	14	181090 R
UDKB 300 × 420 × UNC 1¼	22	181095 R

Laser-welded!
High temperature-resistant!



REMS universal diamond core drilling crowns LS (LASER)

Laser-welded on fully automatic welding machines for consistent high quality of the weld High temperature-resistant, even under extreme temperature load, no desoldering of the segments due to overheating.

Ø × drilling depth × connection		Art.-No.
UDKB LS 32 × 420 × UNC 1¼	1	181410 R
UDKB LS 42 × 420 × UNC 1¼	4	181415 R
UDKB LS 52 × 420 × UNC 1¼	5	181420 R
UDKB LS 62 × 420 × UNC 1¼	6	181425 R
UDKB LS 72 × 420 × UNC 1¼	6	181430 R
UDKB LS 82 × 420 × UNC 1¼	7	181435 R
UDKB LS 92 × 420 × UNC 1¼	8	181440 R
UDKB LS 102 × 420 × UNC 1¼	9	181445 R
UDKB LS 112 × 420 × UNC 1¼	9	181450 R
UDKB LS 125 × 420 × UNC 1¼	10	181457 R
UDKB LS 132 × 420 × UNC 1¼	10	181460 R
UDKB LS 152 × 420 × UNC 1¼	11	181465 R
UDKB LS 162 × 420 × UNC 1¼	12	181470 R
UDKB LS 182 × 420 × UNC 1¼	13	181475 R
UDKB LS 200 × 420 × UNC 1¼	14	181480 R



REMS Picus SR

REMS Picus SR Basic-Pack. For core drilling in concrete, steel-reinforced concrete up to Ø 162 (200) mm, masonry and other materials up to Ø 250 mm. For dry or wet drilling, hand held or with drill stand. Drive machine with drilling crown connection thread UNC 1 ¼ male, G ½ female, maintenance-free 2-step gear with safety slip clutch, universal motor 230 V, 50–60 Hz, 2200 W. Stepless electronic speed regulation 250 rpm to 500 rpm (1st gear) or 600 rpm to 1200 rpm (2nd gear), overheating protection. Multifunction electronics with soft starting, idle speed limiting, overload protection, blocking protection. Touch switch with lock. Personal protection switch (PRCD). Water supply device with adjustable shut-off valve and quick coupling with water stop and ½" hose connection. Stabiliser. Spacer set. Single open ended wrench size 32. In sturdy steel case.

Art.-No. 183010 R220



REMS Picus SR Set Titan. REMS Picus SR Basic-Pack with REMS Titan drilling stand including fastening kit for masonry and concrete.

Art.-No. 183022 R220



REMS Picus SR Set 62-82-132 Titan. REMS Picus SR Basic-Pack with REMS Titan drilling stand including fastening kit for masonry and concrete and REMS Universal diamond core drilling crowns UDKB Ø 62-82-132 mm.

Art.-No. 183023 R220



REMS Titan

REMS Titan. Drill stand complete with Allen key size SW 6, single open ended wrench size SW 19 and SW 30 and fastening kit for masonry and concrete, consisting of 2 M12 splaying anchors, 10 M12 hammer anchors for concrete, setting iron for M12 hammer anchors, cord threaded bar M12 × 65, quick clamping nut, washer, carbide masonry drill Ø 15 mm SDS-plus in box.

Art.-No. 183600 R

Sale through specialist dealers.



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