

# REMS Picus DP

Electric diamond core drilling machine  
with micro-pulse technology

Compact, handy power tool for core drilling, e.g. in concrete, steel-reinforced concrete, all kinds of masonry, natural stone, asphalt, all kinds of screed. With micro-pulse technology. Especially for dry drilling, hand held or with drill stand. For trade and industry.

Concrete, steel-reinforced concrete ≤ Ø 162 (202) mm

Masonry and other materials ≤ Ø 202 mm

REMS dry diamond core drilling crowns, also suitable for drive machines of other makes, see page 289.

**REMS Picus DP – with micro-pulse technology**  
**For core drilling without water. Clean, easy, fast,**  
**e.g. 200 mm in steel-reinforced concrete Ø 62 mm**  
**in only 5 min.**

## Especially for dry drilling

Drive machine with micro-pulse technology, specially developed for dry drilling, hand held or with drill stand. Can be used anywhere, in narrow angles, flush with the wall. Suitable for many, especially hard materials. For pipeline and cable ducting, ventilation channels, test core drilling. In combination with the REMS Pull M vacuum cleaner, ideal for making core bores in finished rooms, e.g. in residential, office and industrial buildings.

## Design

Compact, handy drive machine for low-vibration core drilling, with drilling crown connecting thread UNC 1¼ male, BSPP ½ female. Compact drive unit for low-vibration core drilling, with drilling crown connecting thread UNC 1¼ outside, G ½ inside. Micro-pulse technology can be switched on and off: Pulse disc with 24 teeth generates 28,800 pulses min<sup>-1</sup> in idle mode at 1,200 min<sup>-1</sup>, under load at 880 min<sup>-1</sup> 21,120 pulses min<sup>-1</sup>. Robust, suitable for the building site. Extra light, only 7 kg. Simple, fast work without water, e.g. 200 mm in steel-reinforced concrete Ø 62 mm in only 5 min. Practical spade handle and stabiliser for hand held drilling. Integrated suction rotor for dust extraction with connection for REMS Pull M and other suitable vacuum cleaners. Throat Ø 60 mm for holding the drive machine in the drill stand.

## Drive

Robust, powerful 2200 W universal motor. Load speed drilling spindle 8080 rpm. Stable, maintenance-free gear. Blocking protection by safety slip clutch. Tip switch with lock. Connecting cable with integrated personal protection switch (PRCD).

## Multifunction electronics

Multifunction electronics with start-up current limiting for soft starting for delicate drilling start, automatic idle speed limiting for noise reduction and preservation of the motor, overload and blocking protection for motor and gear.

## Dry diamond core drilling crowns LS

Especially for dry drilling with core drilling machines with micro-pulse technology, laser welded, high temperature-resistant (page 289), for drilling without water, hand held or with drill stand. Connecting thread UNC 1¼ female. Drilling depth 320 mm. Specially developed, high quality diamond segments with high diamond percentage and special bonding, for excellent drilling performance and very long life. Ideal for dry drilling in steel-reinforced concrete and masonry. Light loosening ring, for light loosening of the dry diamond core drilling crown, as accessory.

## Dust extraction in accordance with EN 60335-2-69

When working with mineral building materials, e.g. concrete, steel-reinforced concrete, masonry and screed, a high degree of mineral dust containing quartz is produced which is harmful to the health. Inhalation of quartz fine dust is harmful to the health. EN 60335-2-69 prescribes the use of at least one safety extractor of dust class M for the extraction of health hazardous dusts with an exposure limit/work place limit of > 0.1 mg/m<sup>3</sup>. Observe the national regulations.

Use REMS Pull M for high-performance extraction of drilling dusts from the drilling gap during dry drilling (page 294). The REMS Pull M safety vacuum cleaner is certified for extracting health hazardous dusts of dust class M.

## Drilling start aid

Drilling start aid G ½ TDKB, with bores for extracting the drilling dust from the bore hole, with carbide masonry drill Ø 8 mm.

## Drill stand

REMS Simplex 2 or REMS Titan drill stands can be used optionally (page 288).



German Quality Product



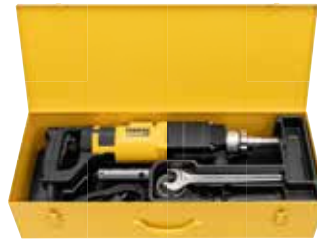
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REMS Simplex 2



REMS Titan



REMS Picus DP Basic-Pack



REMS Picus DP Set Simplex 2



REMS Picus DP Set Titan



REMS Picus DP/Pull M Set-Pack

### Supply format

**REMS Picus DP Basic-Pack.** Electric diamond core drilling machine with micro-pulse technology for core drilling without water in concrete, steel-reinforced concrete  $\leq \varnothing 162$  (202) mm, masonry and other materials  $\leq \varnothing 202$  mm, hand held or with drill stand. Drive unit with drilling crown male connection thread UNC 1 1/4, female connection thread G 1/2, maintenance-free gear with safety slip clutch, 110 V / 230 V, 50 – 60 Hz, 2200 W universal motor, integrated dust extraction. Multifunction electronics with soft starting, idle speed limiting, overload protection, blocking protection. Touch switch with lock. Load speed drilling spindle 880 rpm. Stabiliser. Drill start aid G 1/2 TDKB with  $\varnothing 8$  mm drill, size 3 Allen key. Size 32 opened ended wrench. In sturdy steel case.

	Art.-No.	
	180016	

Other voltages on request.

### Supply format

**REMS Picus DP Set Simplex 2.** REMS Picus DP Basic-Pack with REMS Simplex 2 drilling stand including tools and fastening kit for masonry and concrete.

	Art.-No.	
	180033	

Other voltages on request.

### Supply format

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

	Art.-No.	
	180035	

Other voltages on request.

### Supply format

**REMS Picus DP/Pull M Set-Pack.** REMS Picus DP Basic-Pack, Art.-No. 180016 R110G, and REMS Pull M Set, Art.-No. 185501 R220.

	Art.-No.	
	180034	

Other voltages on request.

### Accessories

Description	Art.-No.	
<b>REMS Picus DP drive unit</b>	180003	
<b>Steel case with inlay</b>	180600	
<b>REMS dry diamond core drilling crowns LS,</b> laser welded, high temperature-resistant, see page 289.		
<b>REMS Pull M,</b> dry and wet extractor, see page 294		
Additional accessories see page 288.		



Description	Art.-No.
<b>REMS Simplex 2.</b> Robust, handy drilling stand for core drilling up to Ø 202 mm. Description see page 282.	183700
<b>REMS Titan.</b> Robust, highly stable drilling stand for core drilling in steel-reinforced concrete and other materials up to Ø 300 mm. For high demands. Description see page 282.	183600
<b>Titan drilling template</b> for easy setting of the fastening holes. For REMS Titan drilling stand.	183605
<b>Carbide masonry drills Ø 15 mm SDS-plus</b> for hammer anchors M12	079018
<b>Hammer anchor M12 (pack of 50)</b> , for concrete	079005
<b>Setting iron for hammer anchor M12</b>	182050
<b>Carbide masonry drill Ø 20 mm SDS-plus</b> for splaying anchors M12	079019
<b>Splaying anchor M12 (pack of 10)</b> , for masonry, reusable	079006
<b>Quick clamping set 160</b> for fastening the drilling stand with anchors, consisting of cord threaded bar 160 mm with M12 × 52 thread, quick clamping nut, washer.	079010
<b>Quick clamping set 500</b> for fastening the drilling stand without anchor, consisting of cord threaded bar 500 mm, 2 quick clamping nuts, 2 washers	183607
<b>Titan vacuum fastening</b> , consisting of cover plate with nipple for 3/8" screw connection and sealing ring for base plate.	183603
<b>Vacuum pump</b> , for vacuum ≤ -900 mbar (90%), consisting of dry running rotary slide pump, oil-free, performance 6 m <sup>3</sup> /h, condenser motor 230 V, 50–60 Hz, 250 W, splash water-protected, inside suction filter with silencer function and 5 m PVC fabric hose with bayonet coupling.	183670
<b>Laser drilling centre pointer</b>	183604
<b>Drilling start aid G 1/2 TDKB</b> , with bores for extracting the drilling dust from the bore hole, with carbide masonry drill Ø 8 mm	180145
<b>Carbide masonry drill Ø 8 mm</b> for drilling aid	079013
<b>Single open ended wrench size 41</b> for loosening the universal diamond core drilling crowns	079003
<b>Light loosening ring</b> , for light loosening of the diamond core crown	180015
<b>Drilling crown extension 200 mm</b>	180155
<b>Sharpening stone</b> for diamond core drilling crowns	079012
<b>Circular spirit level</b> , magnetic, for aligning the drill stand	182010
<b>REMS Pull M</b> , dry and wet extractor, certified as extractor and dust extractor for extracting health hazardous dusts in accordance with EN 60335-2-69, see page 294	

