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Diamond chasing and cutting machine

REMS Krokodil 180 SR



REMS

for Professionals



Full contact support plate during the entire chasing/cutting process
for guided plunge-in of the diamond cutting discs, dust-free,
safe working and easy, even feed.

Multifunction electronics

Speed-Regulation.

Patent EP pending.



Chase depth ≤ 61 mm

Chase width ≤ 62 mm



REMS Krokodil 180 SR – chasing instead of chiselling.

REMS Krokodil 180 SR is a compact, handy diamond chasing and cutting machine for dry chasing and cutting, for example, of concrete, steel-reinforced concrete, all kinds of masonry, natural stone, all kinds of screed.

The fully contacting shoes and the movable diamond cutting discs enable dust-free, safe start of cutting and easy, straight thrust. REMS Krokodil 180 SR is therefore ideal for producing chases for laying pipes and electric cables in heating, sanitary and electrical installation, air-conditioning and cooling technology. For trade and industry.

- 1 Drive**
Robust, powerful universal motor 2,000 W. Load speed of the drive shaft of the cutting discs 4,500 rpm. Overheating protection by temperature monitoring of the field winding of the motor with PTC resistor (Positive Temperature Coefficient). Strong, maintenance-free gear. Connecting cable 5.7 m. Restart protection in case of mains failure.
- 2 Safety switch with lock.**
- 3 Speed regulation (Patent EP 2 085 191)**
The electronic tachometer speed control used for regulation keeps the speed constant, also under load. The speed of the cutting disc 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 chasing and cutting speed (load speed) is maintained during the entire chasing and cutting process for a high chasing and cutting performance.
- 4 Multifunction electronics** with start-up current limiting for soft starting for delicate engagement of the diamond cutting discs, automatic idle speed limiting for noise reduction and preservation of the motor, overload and blocking protection for motor and gear.
- 5 Compact, handy drive machine, only 8 kg.**
Robust, suitable for building site conditions.
- 6 Full contact support plate during the entire chasing/cutting process** for guided plunge-in of the diamond cutting discs, dust-free, safe working and easy, even feed.
- 7 With practical switch handle with triple force transmitting leverage** for easy plunge-in and effective thrust.
- 8 Swivel handle, for optimum working position and ergonomic work.**
- 9 Locking of the drive shaft for easy changing of the universal diamond cutting discs.**
- 10 Seven spacer discs of different thicknesses, screwed together with the cutting discs in a stable block according to the desired chase width, ensure a uniform chase width.**
- 11 Continuously adjustable depth stop.**
- 12 Suction nozzle for connecting a dust extractor integrated into the housing.**
- 13 Universal diamond cutting discs**
Specially developed, high quality diamond segments with high diamond content and special bonding for excellent chasing/cutting performance and very long life. Metal body in accordance with EN 13236. For REMS Krokodil and for suitable drive units of other makes. Mounting bore Ø 22, 23 mm

REMS Krokodil 180 SR: Fast, easy working, e.g. chases in masonry 500 mm long, 61 mm deep, only 34 s.



Chase depth ≤ 61 mm / chase width ≤ 62 mm

REMS Krokodil 180 SR

REMS Krokodil 180 SR Basic-Pack. Electric diamond chasing and cutting grinder with speed regulation. For chasing and cutting concrete, steel-reinforced concrete, all kinds of masonry, natural stone, all kinds of screed for example. Chase depth ≤ 61 mm, continuously adjustable. Chase width ≤ 62 mm, stepped with spacer discs 3, 6, 10, 20 mm. Drive unit with drive shaft $\varnothing 22.2$ mm, for 1,2 or 3 diamond cutting discs in accordance with EN 13236, $\varnothing \leq 180$ mm, with maintenance-free gear, 230 V, 50–60 Hz, 2,000 W universal motor. Multifunction electronics with soft start, idling speed limiting, overload protection, overheating protection. Connecting cable 5.7 m. Safety switch with lock. Restart protection in case of mains failure. Load speed 4,500 rpm. Suction nozzle for connecting an extractor/dust extractor. Pin wrench size 13. In sturdy steel case.

Art.-No. 185011 R220

Accessories

REMS Krokodil 180 SR drive unit

Art.-No. 185001 R220

REMS universal diamond cutting disc LS Turbo $\varnothing 180$ mm

laser-welded, high temperature-resistant, for fast cuts and cuts in hard materials, with metal body in accordance with EN 13236

Art.-No. 185026 R

REMS universal diamond cutting disc LS H-P $\varnothing 180$ mm

high-performance, laser-welded, high temperature-resistant, for fast cuts and cuts in very hard materials, long life, with metal body in accordance with EN 13236.

Art.-No. 185027 R

Chasing chisel

for removing the ridge after chasing

Art.-No. 185024 R



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