

# REMS Krokodil 125/180 SR

Diamond chasing and cutting machines

Compact, handy power tool for dry chasing and cutting, e.g. of concrete, steel-reinforced concrete, all kinds of masonry, natural stone, all kinds of screed. For trade and industry.

## REMS Krokodil 125

Chase depth	≤ 38 mm
Chase width	≤ 43 mm
Number of diamond cutting discs	1–2

## REMS Krokodil 180 SR

Chase depth	≤ 61 mm
Chase width	≤ 62 mm
Number of diamond cutting discs	1–3

REMS Universal diamond cutting discs, also for suitable drive machines of other makes, see page 269.

## REMS Krokodil – chasing instead of chiselling. Full contact support plate. Multi-function electronics.

### Universal use

Universal drive machine for dry chasing and cutting. Ideal for producing chases/grooves for laying pipes and electric cables in heating, sanitary and electrical installation, air-conditioning and cooling technology.

### Design

**REMS Krokodil 125:** Compact, handy drive machine, only 5.8 kg. Robust, suitable for building site conditions. Fast, easy working, e.g. chases in masonry 500 mm long, 38 mm deep, only 25 s. Full contact support plate during the entire chasing/cutting process for guided plunge-in of the diamond cutting discs, dust-free, safe working and easy, even feed. Practical switch grip, adjustable in two positions, parallel or transversely to the machine axis and swivel handle, for optimum working position and ergonomic work. Locking of the drive shaft for easy changing of the universal diamond cutting discs. 4 spacer discs of different thicknesses according to desired chase width screws to the cutting discs in a stable block, ensure an even chase width. Continuously adjustable depth stop. Suction nozzle for connecting a dust extractor integrated into the housing.

**REMS Krokodil 180 SR:** Compact, handy drive machine, only 8.0 kg. Robust, suitable for building site conditions. Fast, easy working, e.g. chases in masonry 500 mm long, 61 mm deep, only 34 s. Full contact support plate during the entire chasing/cutting process for guided plunge-in of the diamond cutting discs, dust-free, safe working and easy, even feed. Practical switch handle with triple force-transmitting leverage for easy plunge-in and effective feeding. Swivel handle, for optimum working position and ergonomic work. Locking of the drive shaft for easy changing of the universal diamond cutting discs. Spacer discs of different thicknesses according to desired chase width screws to the cutting discs in a stable block, ensure an even chase width. Continuously adjustable depth stop. Suction nozzle for connecting a dust extractor integrated into the housing.

### Drive

**REMS Krokodil 125:** Robust, powerful universal motor, 1,850 W. Load speed of the drive shaft of the cutting discs 5,000 rpm. Strong, maintenance-free gear. Connecting cable 2.3 m. Safety switch with lock.

**REMS Krokodil 180 SR:** 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 motor's field winding with a PTC resistor (Positive Temperature Coefficient). Strong, maintenance-free gear. Connecting cable 5.7 m. Safety switch with lock. Restart protection in case of mains failure.

### Speed Regulation

The electronic tachometer speed control (REMS Krokodil 180 SR) used for regulation keeps the speed constant, also under load. 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.

### Multi-function electronics

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

### Universal diamond cutting discs

Universally usable for straight chasing and cutting. Specially developed, high quality diamond segments with high diamond content and special bonding for excellent chasing/drilling performance and very long life. Optionally REMS Universal diamond cutting discs LS Turbo, laser-welded, high temperature-resistant, for fast cuts and cuts in hard materials or REMS Universal diamond cutting discs LS H-P, high-performance, laser-welded, high temperature-resistant, for fast cuts and cuts in very hard materials, with long life (page 269), metal body in accordance with EN 13236. Mounting bore Ø 22.23 mm.



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.