

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.

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 323.

### REMS Krokodil 180 SR – 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

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

Robust, powerful universal motor, 2,000 W. Load speed of the drive shaft of the cutting discs 3,300 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 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 323), metal body in accordance with EN 13236. Mounting bore Ø 22.23 mm.

#### 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. REMS Pull 2 M, wet and dry dust extractor, certified for extracting health hazardous dusts of dust class M (page 324).



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.

## Supply format

**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. Chase depth 61 mm, continuously adjustable. Chase width ≤ 62 mm, stepped with spacer discs 3, 6, 10, 20 mm. Drive machine with drive shaft Ø 22.2 mm, for 1, 2 or 3 diamond cutting discs in accordance with EN 13236, ≤ Ø 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. Restart protection in case of mains failure. Connecting cable 5.7 m. Safety switch with lock. Load speed 3,300 rpm. Suction nozzle for connecting an extractor/dust extractor. Pin wrench size 13. In sturdy steel case.

	Art.-No.	€
	185011R110G	1,235.22

Other voltages on request.



## Accessories

Description	Art.-No.	€
<b>REMS Krokodil 180 SR drive unit</b>	185001R110G	1,183.32
<b>REMS Universal diamond cutting disc LS-Turbo</b> Ø 180 mm, laser-welded, high temperature-resistant, for fast cuts and cuts in very hard materials, with metal body in accordance with EN 13236	185026R	58.65
<b>REMS Universal diamond cutting disc LS H-P</b> Ø 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.	185027R	93.84
<b>Chasing chisel</b> for removing the ridge after chasing	185024R	25.22
<b>Steel case</b>	185058R	110.03
<b>REMS Pull 2 L / M</b> , dry and wet extractors, see page 324		

