

**SINGLE-DISC DESIGN**

After removal of the splash protection ring, the working wheel is freely accessible.

The wheel is automatically arrested when placed on the new mounting system.

On lifting the wheel, all parts below are accessible for easy cleaning.

**RINSING TAP**

By pulling the flexible tube, the tap may be used for rinsing the entire working area and basin.

**SAPHIR 250 M/ECO**

The grinders and polishers of the SAPHIR 250 M and A series are characterized by high-quality, robust manufacture and modern design. Features like the new splash ring, open working area, water tap and slanted control panel ensure safe and convenient operation. The rotational direction of the working

wheel is selected via a switch at the rear of the device.

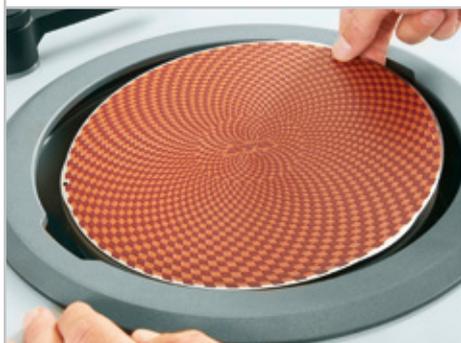
The innovative mounting system for the working wheel (single disc design) allows for time-saving changing of the grinding and polishing media and cleaning.

The devices are available either as single or twin wheel grinder.

**ERGONOMICALLY FORMED SPLASH RING**

The ergonomically formed splash ring significantly reduces splashing. Due to the recessed grips it is possible to change grinding and polishing media with the ring still in place.

It can also be used as a hand rest during a longer preparation process.

**COMBINATION WITH DOSING UNIT TOPAS**

The dosing unit TOPAS has been adapted to the new design and is now even more user-friendly and robust.

Four 500 ml glass bottles with screw caps hold 3 x suspension and 1 x lubricant or oder 4 x Dia-Complete and can be filled via a separate lid.

They are easily removed for cleaning.

The dosing system TOPAS is available as version M for manual and version ECO for automatic devices.





#### TURN SWITCH & BOOST FUNCTION

The ON/OFF switch with illuminated status indication and the turn switch with scale and integrated boost button allow for intuitive operation of the manual devices. Once the speed is set, it is maintained throughout the complete grinding and polishing process. The boost function may be optionally activated and helps to spin-dry the grinding and polishing medium at 750 rpm for 3 seconds at the end of the preparation process.



## SAPHIR 250 M1

The SAPHIR 250 M1 is a manual single wheel grinder and polisher for working wheels Ø 200/250 mm.

The especially strong, speed controlled drive allows application for all working steps.

The shock-resistant plastic basin, powder coated Aluminium housing and high standard of technology inside the unit lend the requisites for quiet and smooth running and optimum preparation results.

#### BASIC MODULE



#### SAPHIR 250 M1

- » Single wheel grinding- and polishing machine
- » Variable speed
- » Clockwise and anti-clockwise rotation
- » Spin cycle feature (cleaning Boost)
- » Easy, fast and tool-free change of working wheel
- » Easy cleaning/rinsing of bowl by lifting the working wheel
- » Aluminium case, powder coated
- » Impact-proof plastic bowl
- » Manual water solenoid
- » Basin rinsing tube
- » Incl. splash ring and cover
- » Start-Stop function with status indication
- » Combinable with manual dosing unit Topas M

200-240 V / 50/60 Hz (1Ph/N/PE)

Order No.: M5631000

100-120 V / 50/60 Hz (1Ph/N/PE)

Order No.: M5631005



## ACCESSORIES

## SETTLING TANK



» 2-chamber-compartment, 45 ltr.

» inlet sieve and filter bag

for System lab cabinet  
(insertion mechanism)

referring height of System cabinet

H 800 mm      Order No.: A5810261

H 900 mm      Order No.: A5810237



mobile

Order No.: A5800496

## CONNECTION SET



Order No.: Z5600008

1 drain tube      Ø 40 mm; 1.5 m

1 pressure tube    R 1/2"; 2 m

## WORKING WHEELS SAPHIR 250



» Single-disc design



Ø 200 mm      Order No.: Z5631001

Ø 250 mm      Order No.: Z5631002

## CLAMPING RING SAPHIR 250

» for working wheels SAPHIR 250 M/A  
» plastic

Ø 200 mm      Order No.: Z5631003

Ø 250 mm      Order No.: Z5631004

## DOSING UNIT TOPAS M



» see page 116/117



## SPECIFICATIONS

Working wheels      Ø 200/250 mm

Speed                      30 - 600 U/min

Connected load      1.6 kVA

WxHxD ~              511 x 265 x 710 mm

Power supply        1 200-240 V / 50/60 Hz (1Ph/N/PE)

2 100-120 V / 50/60 Hz (1Ph/N/PE)

Weight                    1 25 kg

2 30 kg

