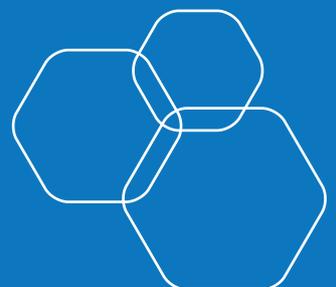
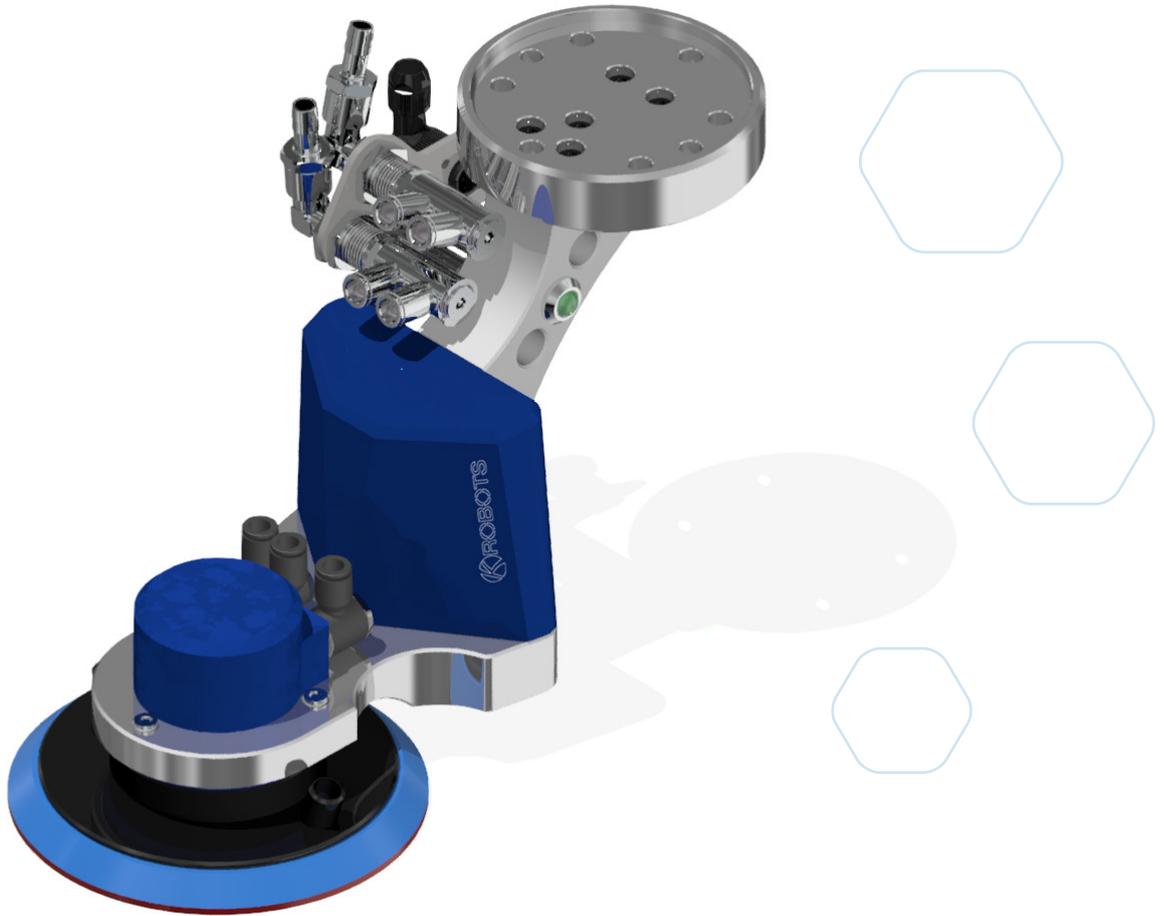


PRODUCT INFORMATION

ORBITAL SANDER PRS 350



EFFICIENT. FLEXIBLE. COMPLIANT.
PNEUMATIC ORBITAL SANDER



PRS 350 - OPTIMAL SANDER FOR ROBOT USE

The work steps such as grinding and polishing are always included still one of the most labor- and personnel-intensive areas within surface processing, be it in the automotive, Metal, plastic or wood processing industries. The automated grinding process achieves one evenly ground surface structure.

The PRS 350 grinding tool is designed for 24/7 Continuous use on the robot. For an optimal sanding pattern the speed and the contact force are individually adjusted become.

Large compliance of 16 mm (± 8) in the axial direction allows for simplified robot programming.

With various attachments and interface pads, 150, 125 or 75 mm abrasives from any manufacturer are used become. grinding stroke of 2.5 or 5 mm is also available.

Using various adapters and flanges, PRS 350 Compatible with all common cobot and industrial robot models the manufacturer: Yaskawa, Fanuc, ABB, Kuka, Stäubli, Hanwha, UR, Omron, Nachi...

COMPENSATION
PATH Z
16 MM

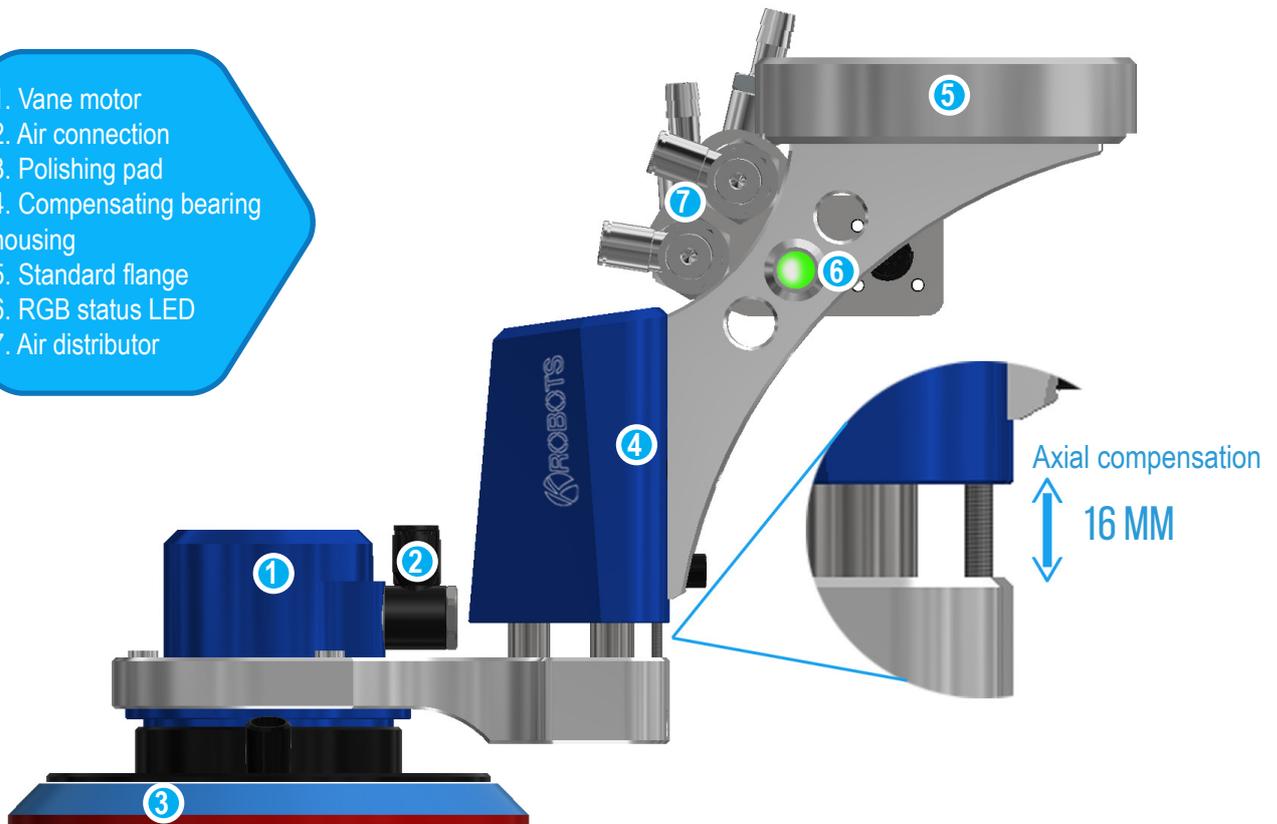
SPEED MAX.
12000 1/MIN

WEIGHT
3.9 KG

BACKING PAD \varnothing
70-125-150 MM

SANDING STROKE
2.5- 5 MM

1. Vane motor
2. Air connection
3. Polishing pad
4. Compensating bearing housing
5. Standard flange
6. RGB status LED
7. Air distributor



FUNCTIONAL DESCRIPTION

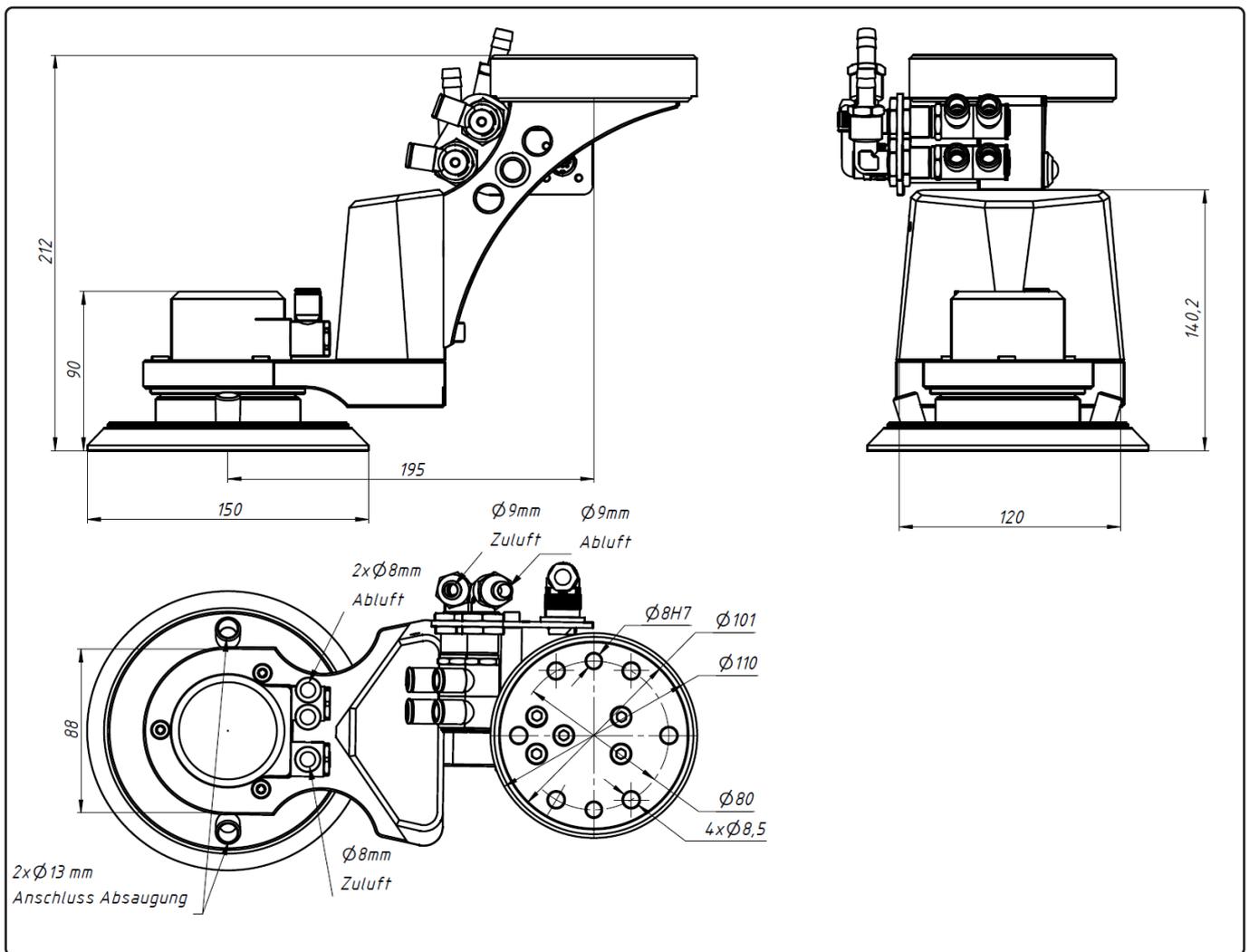
The eccentric sander is driven by a powerful vane motor. This is powered by filtered and oiled air. The motor is mounted in an axially flexible manner to compensate for tolerances on the workpiece surface and to ensure a constant contact force during the grinding or polishing process. The contact pressure can be controlled separately via an air connection so that a variable contact pressure can be achieved.

The eccentric sander can be used with three different sanding plate diameters and can optionally be equipped with a connection for a suction system.

Integrated end position monitoring (optional) via inductive sensors can be programmed for various purposes, such as correction in Z direction, wear compensation etc.

Slim and compact design, sturdy aluminum housing and weight of less than 4 kilos, as well as modular design enables easy replacement of wearing parts for one maximum system availability and a minimized one spare parts requirements.

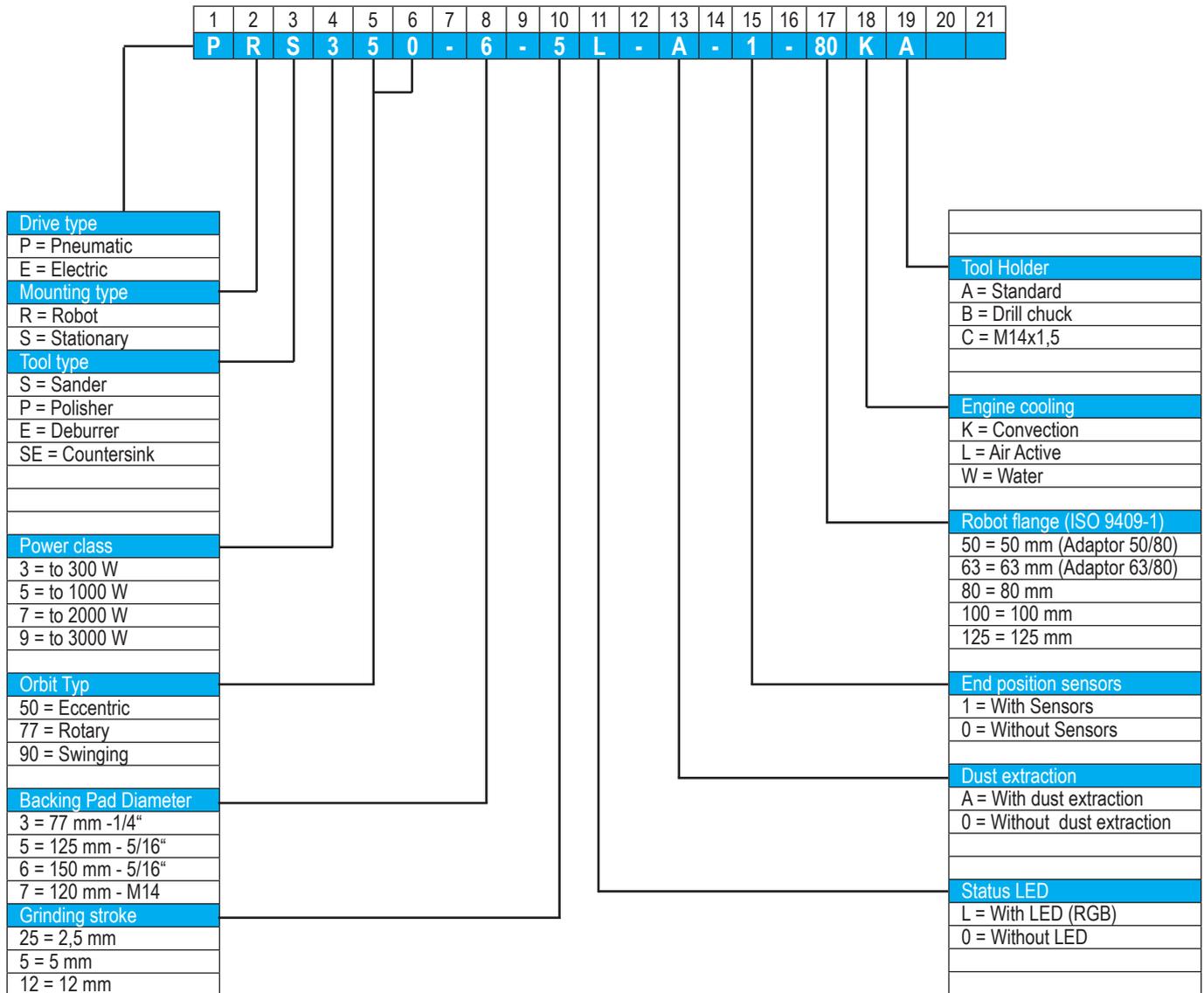
DIMENSIONS AND TECHNICAL DATA



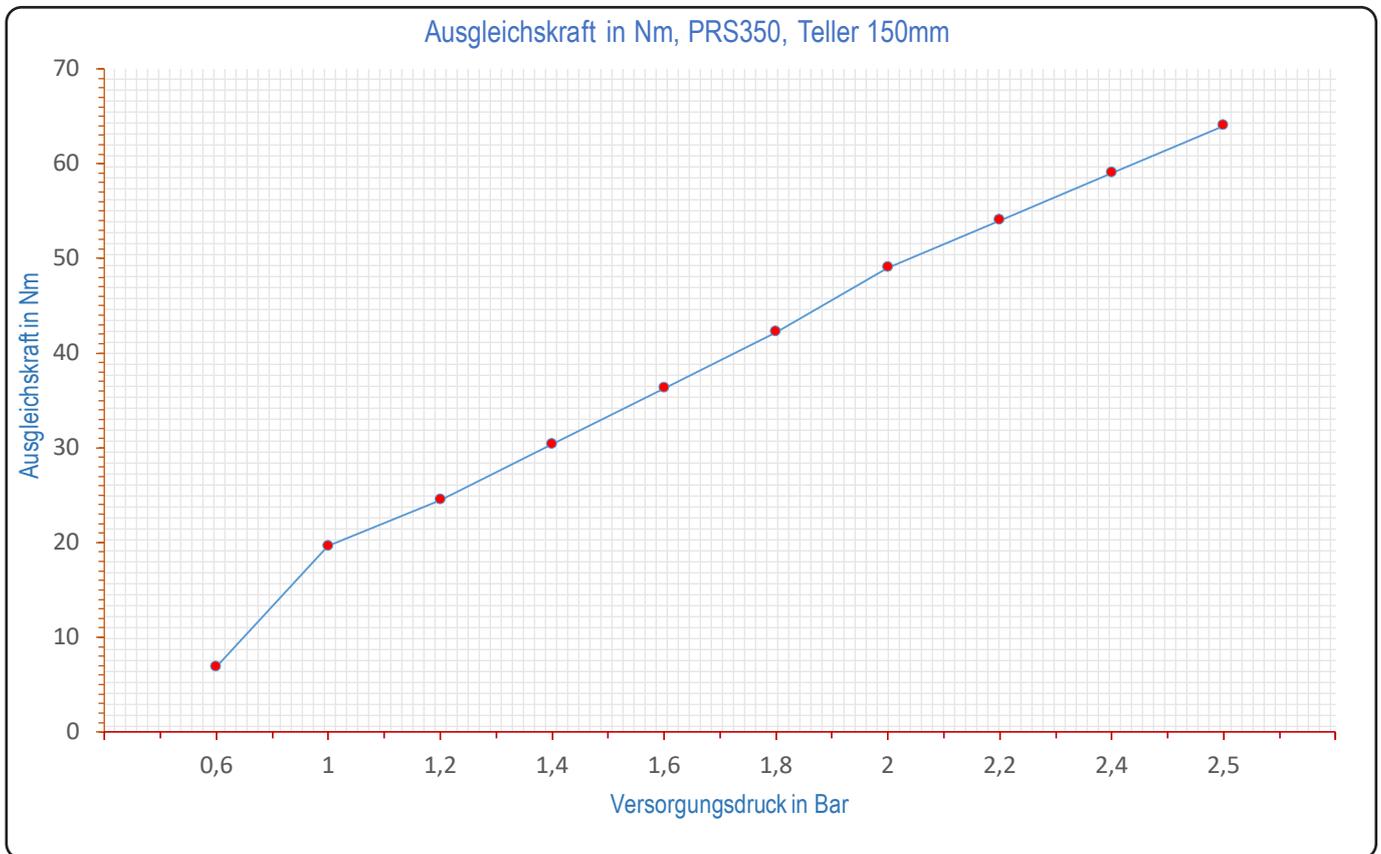
TECHNISCHE DATEN / TECHNICAL DATA:

Bezeichnung/Typ		Pneumatic Robot Orbital Sander PRS-350
Article-Nr.		11002
Backing Pad D	[mm]	77 (Thread 1/4"), 125, 150 (Thread 5/16")
Compensation mechanism		with self-weight compensation springs
Compensation path Z (Max.)	[mm]	16
Recommended compensation path	[mm]	15
Min./Max. Extend compensating force	[N]	100
Min./Max. Compensating pressure	[bar]	3
Eccentric stroke	[mm]	2,5 / 5
Vibration	[m/s ²]	2,48
Engine Power	[W]	250
Idle speed	[1/min]	12000
Working Pressure	[bar]	6,8
Noise emission	[dB(A)]	78
Maximum air consumption	[l/min]	480
Engine air connection	[mm]	9
Air connection compensation	[mm]	6
Weight	[kg]	3,8
Min./max. Ambient temperature	[°C]	1 - 50
Dimensions B x T x H (without sanding disc)	[mm]	122 x 295 x 200
Standard flange ISO 9409-1	[mm]	6 x ø80 (Other dimensions possible)
LED-Status indicator (Optional)		24 V RGB LED, ø14 mm
Compensation path end position monitoring (Optional)		Upper/lower limit position, inductive proximity switch
Pneumatic Robot control PRC-2000 (Optional)		Contact force/speed control

TYPE CODE



COMPENSATING FORCE



Notice

The compensating force can vary from product to product and should only be treated as a guide. The actual force characteristics depend on the installation position and the condition of the product. The compensation pressure should be selected depending on the material of the workpiece, the type of tool and the amount of material to be removed.

The specified compensating force only corresponds to the actual values when the product is mounted horizontally and the engine is switched off.

NOTES

A large grid of small dots for taking notes, consisting of 20 columns and 30 rows of dots.





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