

RoboCut | Robust spindles

Precise deburring and milling



ESR 350

ESR 350 with cone

ESR 170

Technical data

RoboCut		ESR 350	ESR 280	ESR 200	ESR 170
Mounting					
Order-No.		29942-16-5	29944-53-5	60011-88-5	29940-07-5
Compressed air		lubricated	lubricated	lubricated	lubricated
Free speed	rpm	35 000	28 000	20 000	15 000
Motor power	Watt	300	380	380	800
Radial compliance		± 4°	± 4°	± 4°	± 4°
Exhaust air		to the front	to the front	to the front	to the front
ER collet included	mm	6	6	6	8
ER collets available	mm	3 4 5	3 5 8 10	3 5 8 10	3 5 6 10
Compliance force range		10–55 N	10–55 N	12–55 N	25–110 N
Compliance force max.*		200 N	200 N	200 N	200 N
Direction of rotation		clockwise	clockwise	clockwise	clockwise
Noise level	dB(A)	79	80	78	82
Air consumption	l/sec	8.3	11.5	12.5	15.0
Weight	kg	1.80	1.90	1.90	5.15
Connection air supply (hose)	Ø mm, inside/outside	6 8	6 8	6 8	6 8
Accessories supplied		wrench	wrench	wrench	wrench

Power and free speed at 6 bar operating pressure. Compressed air quality: lubricated (2–3 drops per minute). Subject to technical alterations.

- Broad revolution speed and power ranges for different deburring tasks
- Easy to mount horizontally or vertically onto a tool stand due to cuboid housing
- Easy to mount to a robot arm by thread connection
- Highest true running accuracy, load capability and best deburring results due to paired ball bearings
- Type ESR 170 for the most powerful milling and deburring tasks
- Compliance forces are controlled by air pressure or via optional spring package

Use in CNC machines

The ESR models can be integrated into CNC machines using SK-, MK-, HSK-cones. The compliance force is preset via spring packages according to customers' needs.