

Pneumatic spindles

Non-lubricated turbines



EST 1000 ZG

EST 1000 K | EST 650 K

Technical data

Type		EST 1 000 ZG	EST 1000 K	EST 650 K	EST 450 K
Order-No.		Blade wheel turbine 29924-61-7	Jet turbine 29939-57-7	Jet turbine 29939-58-7	Jet turbine 60016-67-5
Free speed	rpm	100 000	100 000	65 000	45 000
Motor power	Watt	100	100	100	160
Direction of rotation		clockwise	clockwise	clockwise	clockwise
Exhaust air		to the front	to the rear	to the rear	to the rear
Collet included	mm	3	3	3	6
Collets available	mm	1.0 1.5 2.0 2.5 3/32" 1/8"	1.0 1.5 2.0 2.5 3/32" 1/8"	1.0 1.5 2.0 2.5 3/32" 1/8"	3.0 4.0 5.0
Carbide burrs	max. mm	3	3	3	8
Mounted points and wheels	max. mm	5	5	5	10
Noise level	dB(A)	74	69	69	74
Air consumption	l / sec	5.3	3.5	3.5	7 15
Weight	kg	0.25	0.26	0.26	1.6
Connection air supply (hose)	Ø mm, inside / outside	2.7 4	6 8	6 8	8 -

Power and free speed at 6 bar operating pressure. Compressed air quality: absolutely non-lubricated.

- For installation in transfer lines, machine tools and robot stations
- Stainless steel housings
- Stainless steel spindles
- Floating bearings
- High speeds for excellent processing quality
- Maintenance-friendly
- High true-running accuracy for long tool lives
- EST 650 and 450: centrifugal governor