



Applications And Economic Value		
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Single workplace, fixed workbench	Single workplace, flexible use	Single workplace, stationary with a variety of tool appli- cations, very easy to handle at high power output
High power output, low abrasion, long service life	High power output, low abrasion, long service life	Very robust, low wear, long service life

Drive Type		
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–	Micro motors	–
Straight grinders	Straight grinders	Straight grinders
Angle grinders	Angle grinders	Angle grinders
–	Drum grinders	Drum grinders
Belt grinders	Belt grinders	Belt grinders
Special drives	Special drives	Special drives
–	Fillet weld grinders	–

Drive Characteristics		
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No risk of overloading, can be loaded up to machine standstill	Overload protection, can briefly withstand up to four times the rated output	Overload protection, can briefly withstand up to six times the rated output
Optimum rotational speed and power ratios	Optimal tuning possible for tool application	Optimal tuning possible for tool application
Good size to power output ratio	Higher power output com- pared to air grinders at the same rotational speed	High motor power output, com- pact handpieces, high power transmission to the tool
Achieve high rotational speeds	Achieve constant speed, ideal for tools that need a constant rotational speed	Cover large rotational speed ranges

Ergonomics/Handling		
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Drive size and shape suitable for many applications	Ergonomic drive shapes, easy to handle	Light arbors that are easy to handle for low-fatigue work
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Rotational Speed Range [RPM]		
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4,000 to 101,000	100 to 80,000	100 to 40,000
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Rotational Speed Control		
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Single-rotation speed	Stepless, electronic	Stepless, electronic, alternatively using gears
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Energy		
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Compressed air (6.3 bar)	1-phase alternating current, Safety extra-low voltage	1-phase alternating current, 3-phase alternating current, Safety extra-low voltage
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Power Range [W]		
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75 to 2,600	260 to 1,750	500 to 6,100
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Safety		
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Safe energy form, no sparking	Safeguard to prevent unin- tentional re-starting	42-volt type suitable for safe use in narrow, conductive spaces
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Maintenance		
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Simple replacement of worn parts	Simple replacement of carbon brushes	Maintenance by technically experienced employees is possible
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