

Technical data sheet

5902 microtec



MKP person responsible:	Armin Landert
Status:	Ok
Approval:	01.06.2016

Classification	Public series
Product type:	Coated abrasives
Main application area:	Metal

Product profile	
Grit type:	Aluminium oxide
Grit range (total):	150-180; 240-280; 360; 500; 800; 1200; 2000
Backing:	Polyester film with anti-slip tape
Coating:	Electrostatic
bonding:	Resin over resin
Special coating:	
Equipment:	

Properties		Technology
Cut:	6 - medium	
Lifetime:	8 - long	
Finishing:	10 - very good	
Flexibility:	7 - flexible	
Contact pressure:	3 - little	

Advantages	
Coatings & composites:	
Wood:	
Metal:	<ul style="list-style-type: none">- For clearly defined standard scratch depth values- Maximum durability- Even cross sanding- High-gloss polished surface finish- May be used wet or dry, resistant to coolant- Grit is calibrated very precisely for fine surface finish
Panels:	

Applications	
Coatings & composites:	
Wood:	






Technical data sheet




5902 microtec



Applications	
Metal:	<ul style="list-style-type: none"> - Finishing of camshafts - Finishing of crankshafts - Finishing of steering assembly parts; finishing of shock absorber parts; finishing of valves; finishing of hydraulic components; finishing of pneumatic components; finishing of ball bearings - Finishing of test objects (metallurgy) - Finishing of watch cases and bracelets
Panels:	

Material	Superordinate group	Subgroup
Coatings & composites:		
Wood:		
Metal:	High alloy steels Non-alloy / low-alloy steels Non-ferrous metals	<ul style="list-style-type: none"> ● High-alloy steel ● Unalloyed / low-alloy steel ● Non-ferrous metal
Panels:		

Conversion forms	Upper conversion	Lower conversion
	Rolls	<ul style="list-style-type: none"> - film rolls - jumbolino
	Sheets	<ul style="list-style-type: none"> - Standard curves
	Strips	<ul style="list-style-type: none"> - Self-adhesive strips - Various strips
	Discs	<ul style="list-style-type: none"> - Self-adhesive discs - Various discs
	Belts	<ul style="list-style-type: none"> - Narrow, edge and long belts (width: 25-399 mm/length: up to 8500 mm)

Use	Superordinate group	Subgroup
	Manual sanding	○ Manual sanding
	Stationary belt sanding	○ Contact belt sanding
	Stationary machine sanding	● Belt finisher
	Stationary machine sanding	● Disc sanding and lapping machine
Cut:	Dry applicationWet sanding	

Details	
No suitability for:	
Sanding recommendation:	

Technical data sheet

5902 microtec



Details	
Safety recommendation:	<ul style="list-style-type: none"> - Pay attention to the abrasives safety data sheet (available from sia Abrasives) - Follow the general FEPA safety recommendations - Use eye and face protection - Use an effective dust extraction unit or wear a fine dust mask

Communication			
Claim:	for consistent finishing results in clamping shoe applications for vehicle and machine production		
Copy:	The coated 5902 microtec series is an aluminium oxide finishing product with a polyester backing, an anti-slip coating and resin over resin bonding which delivers reproducible surface finishes and defined tolerances during the production of precision components such as crankshafts and camshafts.		
Industrial Verticals:	<ul style="list-style-type: none"> - Watches and Jewellery - Surgery - Rollers and Cylinders 	- Motors and Drives	
Image material:	Product Top View (PTV)	Front side:	ID 1928
		Reverse side:	ID 1928
	Application image	Coatings & composites:	
		Wood:	ID 913
		Metal:	
		Panels:	
	Product show:		
	Macro shot:		
	Packaging image:		
	Product group image:		ID 7637

- Main application
- Secondary application