

Technical data sheet

5903 microtec



MKP person responsible:	Armin Landert
Status:	Ok
Approval:	31.05.2016

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

Product profile	
Grit type:	Aluminium oxide
Grit range (total):	500
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:	9 - highly 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:	

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 - Jumbo rolls
	Sheets	<ul style="list-style-type: none"> - Standard curves
	Strips	<ul style="list-style-type: none"> - Self-adhesive strips
	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:	

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 in clamping shoe applications involving the use of thin foil backing		
Copy:	The coated 5903 microtec series offers first-class performance during the production of precision components such as crankshafts and camshafts, wherever a thinner backing is required.		
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 ID 1617

- Main application
- Secondary application