

Technical data sheet

5230 microtec



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

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

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|------------------------|------------------|
| Product profile | |
| Grit type: | Diamond |
| Grit range (total): | Micron |
| Backing: | Polyester foil |
| Coating: | elutriated |
| bonding: | Resin over resin |
| Special coating: | |
| Equipment: | |

| Properties | | Technology |
|-------------------|---------------------|-------------------|
| Cut: | 6 - medium | |
| Lifetime: | 10 - very long | |
| Finishing: | 10 - very good | |
| Flexibility: | 9 - highly flexible | |
| Contact pressure: | 3 - little | |

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|------------------------|---|
| Advantages | |
| Coatings & composites: | |
| Wood: | |
| Metal: | <ul style="list-style-type: none">- Improved optical performance- Maximum light transmission in the termination- High-gloss polished surface finish- For clearly defined standard scratch depth values- Maximum durability- Even cross sanding |
| Panels: | |




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|------------------------|---|
| Applications | |
| Coatings & composites: | |
| Wood: | |
| Metal: | <ul style="list-style-type: none">- Finishing of ceramic/fibreglass terminations (fibre optics)- Finishing of hardened steel rollers- Finishing of watch cases and bracelets- Finishing of test objects (metallurgy) |
| Panels: | |







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| Material | Superordinate group | Subgroup |
|------------------------|--|---|
| Coatings & composites: | | |
| Wood: | | |
| Metal: | Other metals with hard to grind surfaces Various Various Various Various | <ul style="list-style-type: none"> ● Ceramic coatings ● Ceramic ● Fibreglass ● Glass ● Metallic coatings |
| Panels: | | |

| Conversion forms | Upper conversion | Lower conversion |
|---|------------------|-------------------|
|  | Rolls | - film rolls |
|  | Sheets | - Standard curves |
|  | Discs | - Various discs |

| Use | Superordinate group | Subgroup |
|---|--------------------------------|------------------------------------|
|  | Manual sanding | ● Manual sanding for edges |
|  | Stationary belt sanding | ● Centreless belt sanding |
|  | Stationary machine sanding | ● Belt finisher |
|  | Stationary machine sanding | ● Fibre optic polisher |
|  | Stationary machine sanding | ● Disc sanding and lapping machine |
|  | Stationary machine sanding | ● Stationary disc sanding |
| Cut: | Wet sanding Dry application | |

| Details | |
|-------------------------|--|
| No suitability for: | |
| Sanding recommendation: | |
| 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 a consistent finish with hardened steel rolls as well as plasma ceramic and tungsten carbide rolls | | |
| Copy: | The elutriated 5230 microtec series is ideal for finishing hardened steel rolls as well as coated rolls (plasma ceramic / tungsten carbide). 5230 microtec also provides consistent and reproducible surface quality during the treatment of ceramic ferrules with fibre glass cores. | | |
| Industrial Verticals: | <ul style="list-style-type: none"> - Watches and Jewellery - Surgery - Rollers and Cylinders - Motors and Drives - Fibre Optics | | |
| Image material: | Product Top View (PTV) | Front side: ID 4866 | Reverse side: ID 4866 |
| | Application image | Coatings & composites: | |
| | | Wood: ID 533 | |
| | | Metal: | |
| | | Panels: | |
| | Product show: | | |
| Macro shot: | | | |
| Packaging image: | | | |
| Product group image: | | ID 7637 | |

- Main application
- Secondary application