STELLA GRUPPE

German Precision Grinding Wheels

TÜV SÜD ISO 9001

STELLA **Sun**Grind® *The wheel with the special bite*

Advantages from an optimised bond matrix especially when using fused aluminium oxides:

- Increased cutting efficiency
- Extraordinary good profile retention
- Very cool cutting
- Extension of the dressing cycle
- Improved lifetime

Applications:

- Profile grinding
- Creep feed grinding
- Screw thread grinding
- Surface grinding
- Cylindrical grinding



QUALITY MADE IN GERMANY

www.stella-gruppe.com

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With the newly developed bond system **STELLA SunGrind®** the STELLA GRUPPE is placing an innovative product on the market. Abrasives with this bond matrix surprise with an extraordinarily good profile retention. Additional benefits are an extension of the dressing cycle and the improved lifetime of the grinding wheels. Also the cutting features are enhanced by the bond system **STELLA SunGrind®**. This will allow to replace in parts the sintered corundum with grinding wheels made of fused aluminium oxides and consequently to reduce grinding costs.



APPLICATION EXAMPLE

in cooperation with SERMA s.r.l.

Procedure	Profile grinding
Machine	Rosa, vc = 36 m/s
Work piece	Edging tool
Material	Steel unhardened and induction-hardened up to 56 HRC on one work piece
Grinding wheel	1Sp-400x20x127 with profile

RESULT

Removal	0,1 - 0,5 mm
Surface roughness	Ra 0,4 µm
Conclusion	• Optimal profile retention • Reduction of dressing operations • Very good surface finish

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