SINTER SLIDING ELEMENTS

Maximum productivity and minimum maintenance costs
TECHNICAL DETAILS

Sinter wear plates provide ease of maintenance and reliable service. The porous sinter metal layer is bonded to a steel base plate to create maximum sliding durability with high strength backing. These wear plates will require initial lubrication prior to use and after every cleaning.

Benefit from the advantages of our original voestalpine Camtec sinter sliding elements! Fast, professional and solution-oriented. The staff at voestalpine Camtec GmbH are here to help you. Ask for more information and advice: sales.camtec@voestalpine.com

Do not use any agents with grease removers during cleaning, this can cause lasting damage to the sliding capacity.

YOUR ADVANTAGES AT A GLANCE

- Durable and long service life thanks to the combination of a sinter bronze layer and steel base plate
- Withstands high pressures required for AHSS and UHSS steel processing
- High temperature operation, up to 250 °C
- Cost savings due to less maintenance requirements
- Standard sizes for ease of replacements when worn
- Ideal for high speed applications
- Even surface of the sinter metal layer

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Maximum speed 70 m/min (after initial lubrication and depending on the PV value)
Working temperature Maximum 250 °C (depending on the lubricant)
Mating material Surface finish Rz ≤ 6.3 μm
At least 30 HRC harder than the sinter surface (sinter surface 60-100 HB)
Processing Generally possible (drilling, grinding, cutting, …)
PV value Dry: 1.63 N/mm² x m/s | Lubricated: 3.5 N/mm² x m/s
Material of base plate Steel – CK45 (or equivalent)
Surface pressure 120 N/mm² (static)
Coefficient of friction Dry: 0.2 | Lubricated: 0.1
Lubricant Mobilgear 600XP 150
Lubricant share 15-20 %
Porosity 18-23 %
Sliding direction length- and cross-wise

Untoleranced dimensions DIN ISO 2768, mean
### SLIDING PLATES 7.14

20 MM THICK TO VDI 3357

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<th>b1 ± 0.2</th>
<th>L2 ± 0.2</th>
<th>L3 ± 0.2</th>
<th>L4 ± 0.2</th>
<th>L5 ± 0.2</th>
<th>b2 ± 0.2</th>
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<th>Cyl. screw DIN EN ISO 4762</th>
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**Untoleranced dimensions DIN ISO 2768, mean**

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**HOLE PATTERN**

SHAPES A, B, D, E

**SHAPE C**

Section A-A

**SHAPES A, B, D, E**

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**Cyl. screw DIN EN ISO 4762**

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**Unavailable dimensions acc. to DIN 974**

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**SHAPE C**

Section A-A

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**SHAPE C**

Section A-A

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**SHAPE C**

Section A-A

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**SHAPE C**

Section A-A