OSCILLATION**MASTER**

KS P170 – IF OSCILLATION IS AN ISSUE

FEATURES AND CHARACTERISTICS

- Used in maintenance-free, dry-running and liquid-lubricated applications
- Lower quality counterrotators can be selected
- Ideal for small swivel angles with high frequency
- High load absorption
- High wear resistance with oscillating movements

OPERATING CONDITIONS

Dry	●	●	●
Oil-lubricated	●	●	○
Greased	●	●	○
Water-lubricated	○	○	○

TYPICAL APPLICATIONS

Dual mass flywheel

Belt tensioner

Leaf spring suspension

Additional applications:

- TVD
- Starter
- and many more

For further applications please contact our technical support.

PASSION FOR **TECHNOLOGY.**

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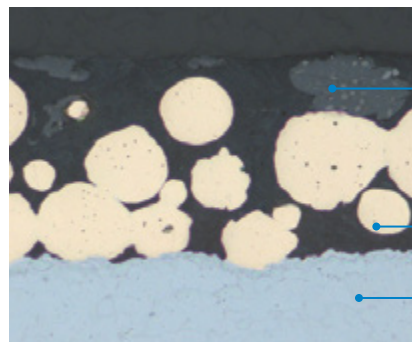
BEARING STRUCTURE

Sliding elements
- Steel back (DC04)
- Porous sintered bronze layer
- Solid lubricant PTFE with BN and other fillers

Characteristics
- Solid lubricant provides a run-in layer
- Total layer thickness <0.5 mm

PTFE
+ BN
+ additional fillers

Bronze layer

Steel back

MATERIAL CHARACTERISTICS

Characteristic values		Value	Unit
Permissible specific bearing load p	Static	250	[N/mm²]
	Very low sliding speed	140	[N/mm²]
	Oscillating, vibrating	56	[N/mm²]
Permissible sliding speed	Dry running	2	[m/s]
	Wet running	3	[m/s]
Permissible temperature range		-200 to +260	[°C]
Thermal expansion coefficient		$11*10^{-6}$	[1 / K]
Thermal conductivity		>42	[W / (m * K)]

QUALITY

- The complete manufacturing process is monitored and controlled by a proven set of quality assurance measures

CERTIFICATES

- Made in Germany
- ISO14001, ISO9001, ISO50001, IATF 16949

SUSTAINABILITY

REACh compliant   RoHS conform   pb free

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