

OSCILLATIONMASTER

KS P170 – WHEN 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

DMS



Belt tensioner



Leaf spring suspension



Additional applications:

- TVD
- Starter

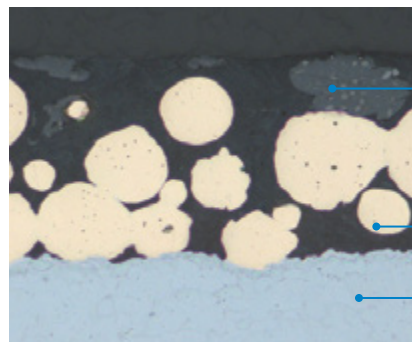
BEARING STRUCTURE

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/mm ²]
	Very low sliding speed	140	[N/mm ²]
	Oscillating, vibrating	56	[N/mm ²]
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	[k ⁻¹]
Thermal conductivity		>42	[W * (m-k) ⁻¹]

QUALITY

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

CERTIFICATES

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

SUSTAINABILITY



CONTACT

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