



ALLROUNDER

KS P14 – IF AN ALLROUNDER IS REQUIRED

FEATURES AND CHARACTERISTICS

- Used in dry running and lubricated systems
- Very good friction and wear behavior in dry running conditions
- Good thermal conductivity
- Very little tendency to swell
- High dynamic load capacity

OPERATING CONDITIONS

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

TYPICAL APPLICATIONS

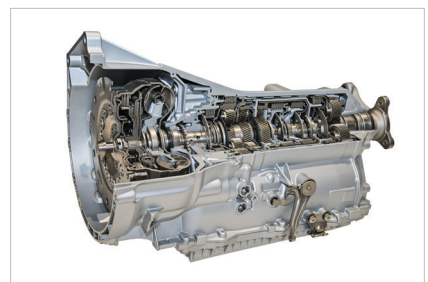
Brakes



Steering systems



Transmissions



Additional applications

- Solenoid valves
- Belt tensioner
- Hydraulic applications
- Pneumatic applications
- Tooling systems
- and many more

For further applications please contact our technical support.

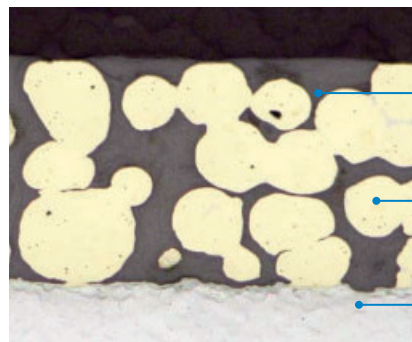
BEARING STRUCTURE

Sliding elements

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

Characteristics

- Solid lubricant provides a run-in layer
- Total layer thickness < 0.4 mm



PTFE
+ ZnS
+ 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 +280 | [°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



CONTACT

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