



# 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.

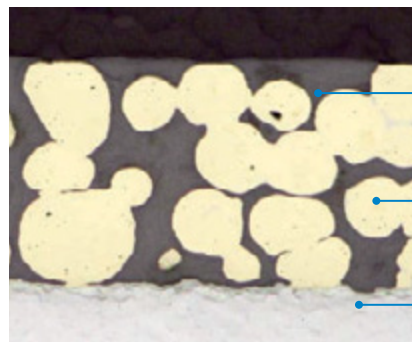
## BEARING STRUCTURE

### 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 <sup>2</sup> ]
	Very low sliding speed	140	[N/mm <sup>2</sup> ]
	Oscillating, vibrating	56	[N/mm <sup>2</sup> ]
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 <sup>-6</sup>	[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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