



# HIGH**PERFORMER**

## KS P141 – IF MORE POWER IS REQUIRED

### FEATURES AND CHARACTERISTICS

- For maintenance-free and dry applications
- Ideal for fast, linear and rotating movements
- Excellent wear resistance
- Very low friction coefficient
- High performance in mixed friction conditions

### OPERATING CONDITIONS

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

### TYPICAL APPLICATIONS

#### Injection systems



#### Compressors



#### Shock absorbers



### Additional applications

- Vehicle seats
- Transmissions
- Hydraulic power units
- Solenoid valves
- Belt tensioner
- Axle-systems
- and many more

For further applications please contact our technical support.

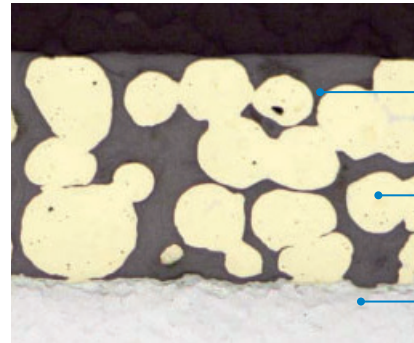
## BEARING STRUCTURE

### Sliding elements

- Steel back (DC04)
- Porous sintered bronze layer
- Solid lubricant PTFE with filler ZnS

### Characteristics

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



PTFE  
+ ZnS

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	10	[m/s]
Permissible temperature range		-200 to +260	[°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
- ISO9001, ISO14001, ISO50001, IATF 16949

## SUSTAINABILITY



## CONTACT

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