



# SMOOTH OPERATOR

## KS P300T SERIES – THE STANDARD FOR EFFICIENCY

### FEATURES AND CHARACTERISTICS

- Beneficial magnetic properties
- For maintenance-free and dry applications
- Dry running, oil lubrication and greased possible
- Optimal friction behaviour
- Good NVH characteristics
- Very good damping properties

### OVERVIEW OF THE P3 FAMILY

|                        | P300T / P310T | P300 SM | P300 MP 05 |
|------------------------|---------------|---------|------------|
| Damping                | ●●            | ●●      | ●●●        |
| Tolerance compensation | ●             | ●●      | ●●●        |
| Load capacity          | ●●            | ●●      | ●          |
| Stability              | ●●            | ●●●     | ●          |

### TYPICAL APPLICATIONS

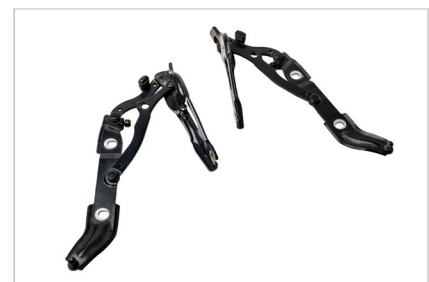
#### Solenoid applications



#### Bicycle applications



#### Automotive hinges



### Additional applications:

- Automotive seating structures
- Suspension forks
- Valves
- Shifting system
- and more

For further applications please contact our technical support.

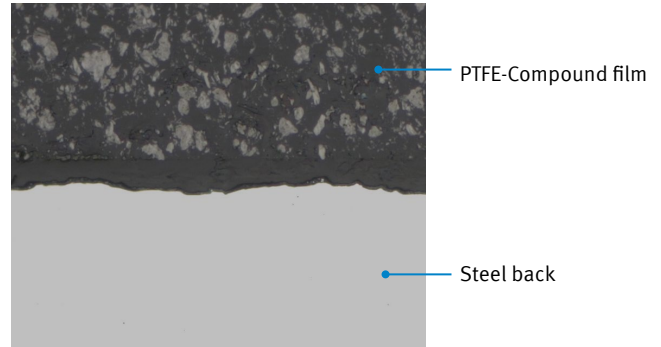
## BEARING STRUCTURE

Sliding elements

- Steel back (DC04)
- Sliding layer: PTFE-Compound

Characteristics

- 2-layer structure
- High lightweight potential
- Very good adaptability



## MATERIAL CHARACTERISTICS

| Characteristic values               |                | KS P300T   | KS P310T          | Unit                 |
|-------------------------------------|----------------|--|-------------------|----------------------|
| Permissible specific bearing load p | Static         | 180  |                   | [N/mm <sup>2</sup> ] |
|                                     | Dynamic        | 150  |                   | [N/mm <sup>2</sup> ] |
| Permissible sliding speed v         | Oil-lubricated | > 1  |                   | [m/s]                |
|                                     | Dry running    | 1  |                   | [m/s]                |
| Permissible temperature range       |                | -200 to +180 (short-term: +240)                        |                   | [°C]                 |
| Thermal expansion coefficient       |                | 9*10 <sup>-5</sup>                                     |                   | [1/K]                |
| Contact resistance                  |                | > 10 <sup>5</sup>                                      | > 10 <sup>9</sup> | Ω cm <sup>2</sup>    |
| Available Thicknesses               |                | 0.5 / 0.75 / 1.0 / 1.5 <sub>1</sub> / 2.0 <sub>1</sub> |                   | [mm]                 |

Measurement according to KS specifications with a wall thickness of 0.5 mm / Steel layer

<sub>1</sub> On Request

## 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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