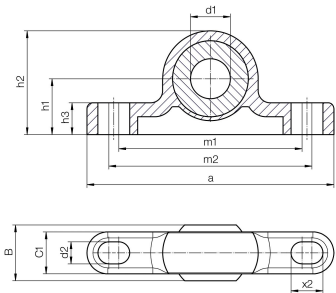


igubal® pillow block bearing, KSTM

KSTM-05



igubal® pillow block bearing, KSTM

- Dimensional series: K, following DIN ISO 12240
- Material housing: igumid G
- Material calotte: iglidur® W300

|             |         |
|-------------|---------|
| B           | 8 mm    |
| h1          | 7 mm    |
| h3          | 4 mm    |
| h2          | 14 mm   |
| m           | 25 mm   |
| Ø d2        | 3.3 mm  |
| C1          | 6 mm    |
| X2          | 4.6 mm  |
| a           | 34 mm   |
| Part number | KSTM-05 |

Product description

Discover the igubal® pillow block bearing, KSTM, designed for effortless installation and alignment compensation. Crafted from igumid G, a robust polymer, it withstands temperatures from -30 °C to +80 °C, ensuring durability in diverse environments. With maintenance-free dry operation, high rigidity, and resistance to corrosion, it's perfect for applications in plant construction, automation, and the food industry. Lightweight and vibration-dampening, this bearing excels in challenging conditions, making it an ideal choice for your machinery needs.

General properties

|                         |                               |
|-------------------------|-------------------------------|
| Spherical ball material | igidur® W300                  |
| Dimensional series      | K, according to DIN ISO 12240 |
| Max. pivot angle (α)    | 30 °                          |

Manufacturing and installation tolerances

|                             |            |
|-----------------------------|------------|
| Installation tolerance d1   | E10        |
| Recommended shaft tolerance | h9         |
| Recommended shaft roughness | 0,4-0,5 µm |



## Mechanical properties

|                                               |        |
|-----------------------------------------------|--------|
| Max. static radial tensile stress, short-term | 700 N  |
| Max. static radial tensile stress, long-term  | 350 N  |
| Max. axial static load, short-term            | 300 N  |
| Max. axial static load, long-term             | 150 N  |
| Max. pivot angle ( $\alpha$ )                 | 30 °   |
| Maximum tightening torque, fastening          | 0.6 Nm |

## Dimensions

|                |        |
|----------------|--------|
| m              | 25 mm  |
| a              | 34 mm  |
| Shaft diameter | 5 mm   |
| h1             | 7 mm   |
| h2             | 14 mm  |
| h3             | 4 mm   |
| C1             | 6 mm   |
| x2             | 4.6 mm |
| B              | 8 mm   |
| d2             | 3.3    |