

**GE25-SX**

Spherical plain bearing



Angular contact spherical plain bearing,
requiring maintenance, sliding contact
surface: steel/steel, DIN ISO 12240-2, open
design

Technical information



Your current product variant

Maintenance	Maintenance required
Coating	Durotect M Inner- and outer ring coated with Durotect M (Manganese Phosphate)

Main Dimensions & Performance Data

d	25 mm	Inner diameter bearing
D	47 mm	Outside diameter bearing
T	15 mm	Height
C_r	62.200 N	Basic dynamic load rating, radial
C_{0r}	239.000 N	Basic static load rating, radial
$\approx m$	0,135 kg	Weight

Mounting dimensions

$r_{1\text{min}}$	0,6 mm	Edge Spacing
$r_{2\text{min}}$	0,3 mm	Edge Spacing
$d_{a\text{max}}$	30,1 mm	Connection measure Inner ring
$D_{a\text{min}}$	34 mm	Housing Connection Diameter
$D_{b\text{min}}$	43 mm	Connection diameter



Dimensions

d_K	42,5 mm	Ball diameter
D_1	31,4 mm	Inner diameter of housing washer
B	14 mm	Width Inner ring
C	14 mm	Width Outer ring
s	1 mm	Plane Surface Spacing
A	7,5 mm	Distance lubrication Bore
α	2,7 °	Tilt angle
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
d_{UT}	-0,012 mm	Bore diameter bearing, lower tolerance
D_{OT}	0 mm	Outer diameter, upper tolerance
D_{UT}	-0,014 mm	Outside diameter, lower tolerance
T_{OT}	0,25 mm	Height, upper tolerance
T_{UT}	-0,25 mm	Height, lower tolerance
C_{UT}	0 mm	Width outer ring, upper tolerance
C_{OT}	-0,2 mm	Width outer ring, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
B_{UT}	-0,2 mm	Width inner ring, lower tolerance
d_2	39,5 mm	Connection measure Inner ring

Temperature range

T_{min}	-60 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.



Characteristics



Radial load



Axial load in one direction



Grease Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment