

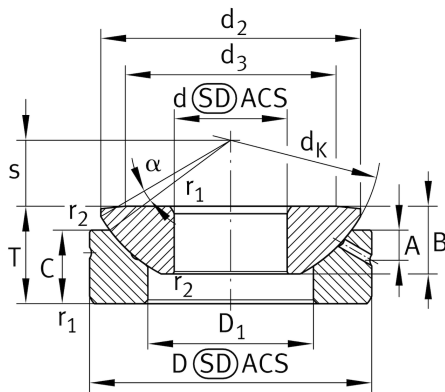
GE30-AX

Spherical plain bearing

Schaeffler ID:
0066542070000

Axial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel

Technical information



Main Dimensions & Performance Data

d	30 mm	Inner diameter bearing
D	75 mm	Outside diameter bearing
T	26 mm	Height
C_a	170,000 N	Basic dynamic load rating, axial
C_{0a}	848,000 N	Basic static load rating, axial
	0.645 kg	Weight

Dimensions

d_K	80 mm	Ball diameter
d_2	69 mm	Connection measure Inner ring
d_3	56 mm	Front surface diameter of shaft washer
D_1	44 mm	Inner diameter of housing washer
B	18 mm	Width Inner ring
C	19.5 mm	Width Outer ring
s	17.5 mm	Plane Surface Spacing
A	8 mm	Distance lubrication Bore
α	6 °	Tilt angle
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
d_{UT}	-0.01 mm	Bore diameter bearing, lower tolerance
D_{OT}	0 mm	Outer diameter, upper tolerance
D_{UT}	-0.013 mm	Outside diameter, lower tolerance
T_{OT}	0 mm	Height, upper tolerance
T_{UT}	-0.4 mm	Height, lower tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
B_{UT}	-0.24 mm	Width inner ring, lower tolerance

Mounting dimensions

$r_{1\text{min}}$	1 mm	Edge Spacing
$r_{2\text{min}}$	0.3 mm	Edge Spacing
$d_{a\text{max}}$	56 mm	Connection measure Inner ring
$D_{a\text{min}}$	49 mm	Housing Connection Diameter

Temperature range

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