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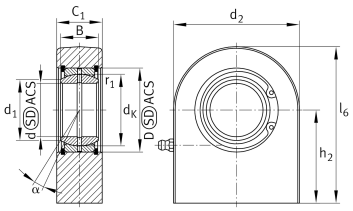
SCHAEFFLER

GF70-DO-2TS

Rod end

Hydraulic rod end, with rectangular welding face, requiring maintenance, sliding contact surface: steel/steel, sealed design

Technical information



Your current product variant

Clampable	Not clampable	
Maintenance	Maintenance required	
Mounting	Weldable, rectangular	
Lubrication nipple	DIN71412-AM6 (tapered grease nipple)	
Slotted	No	
Type of Sealing	2TS	Integrated triple lip high performance seals on both sides

Main Dimensions & Performance Data

C_r	407.000 N	Basic dynamic load rating, radial
C_{0r}	725.000 N	Basic static load rating, radial
d	70 mm	Bore diameter bearing
d_2	164 mm	Outer eye diameter
l_6	197 mm	Total length welding head
D	105 mm	Outside diameter bearing
B	49 mm	Width inner ring
≈m	10,3 kg	Weight

Dimensions

d_K	92 mm	Ball diameter
α	6 °	Tilt angle
C_1	55 mm	Width of the rod end
$C_{1\,max}$	56 mm	Width of the rod end, max.
h_2	115 mm	Shank Length Welding Head
d_{UT}	-0,015 mm	Bore diameter bearing, lower tolerance
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
B_{UT}	-0,15 mm	Width inner ring, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
G_r	0,055 - 0,142	Radial Clearance
G_{rmax}	0,142 mm	Radial clearance, maximum
G_{rmin}	0,055 mm	Radial clearance, minimum

Mounting dimensions

r_{1smin}	1 mm	Edge Spacing
d_1	77,9 mm	Outer flange diameter inner ring

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	100 °C	Operating temperature max.

Characteristics

Radial load

Axial load in one direction

Axial load in two directions


Grease Lubrication


Sealed on both sides


Static angular error and misalignment


Dynamic angular error and misalignment