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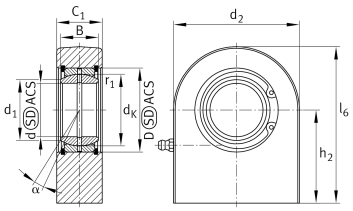
SCHAEFFLER

GF100-DO

Rod end

Hydraulic rod end, with rectangular welding face, requiring maintenance, sliding contact surface: steel/steel, open 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
Sealing	Without

Main Dimensions & Performance Data

C_r	790.000 N	Basic dynamic load rating, radial
C_{0r}	1.000.000 N	Basic static load rating, radial
d	100 mm	Bore diameter bearing
d_2	250 mm	Outer eye diameter
l_6	295 mm	Total length welding head
D	150 mm	Outside diameter bearing
B	70 mm	Width inner ring
≈m	31,7 kg	Weight

Dimensions

d_K	130 mm	Ball diameter
α	7 °	Tilt angle
C_1	70 mm	Width of the rod end
$C_{1\ max}$	71,5 mm	Width of the rod end, max.
h_2	170 mm	Shank Length Welding Head
d_{UT}	-0,02 mm	Bore diameter bearing, lower tolerance
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
B_{UT}	-0,2 mm	Width inner ring, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
G_r	0,065-0,165	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	109,5 mm	Outer flange diameter 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

Axial load in two directions


Grease Lubrication


Not sealed


Static angular error and misalignment


Dynamic angular error and misalignment