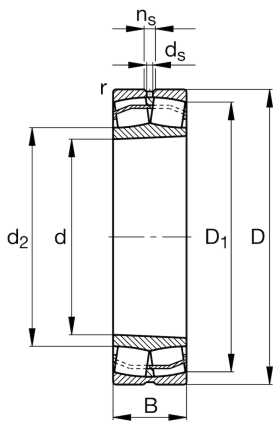


Technical information



Main Dimensions & Performance Data

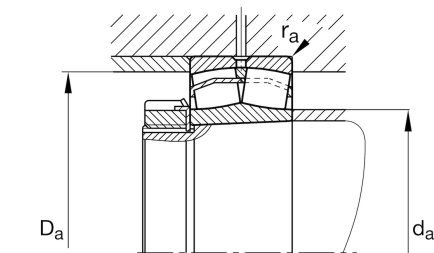
d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
C_r	187,000 N	Basic dynamic load rating, radial
C_{0r}	183,000 N	Basic static load rating, radial
C_{ur}	16,500 N	Fatigue load limit, radial
n_G	6,800 1/min	Limiting speed
n_{gr}	5,000 1/min	Reference speed
	1.34 kg	Weight

Dimensions

r_{min}	1.5 mm	Minimum chamfer dimension
D_1	84.7 mm	Bore diameter outer ring
d_2	58.9 mm	Raceway diameter of the inner ring
d_s	3.2 mm	Diameter lubrication hole
n_s	6.5 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	54 mm	Minimum diameter shaft shoulder
$d_{a max}$	58 mm	Maximum diameter of shaft shoulder
$D_{a max}$	91 mm	Maximum diameter of housing shoulder
$r_{a max}$	1.5 mm	Maximum recess radius
$d_{b min}$	50 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	5 mm	Minimum cavity width of the sleeve



Additional information

e	0.36	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H2309	Adapter sleeve
Y ₁	1.9	Dynamic axial load factor
	AH2309	Withdrawal sleeve
Y ₂	2.83	Dynamic axial load factor
Y ₀	1.86	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.