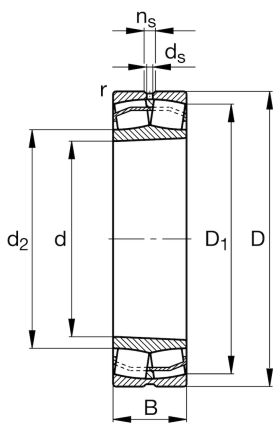


Technical information



Main Dimensions & Performance Data

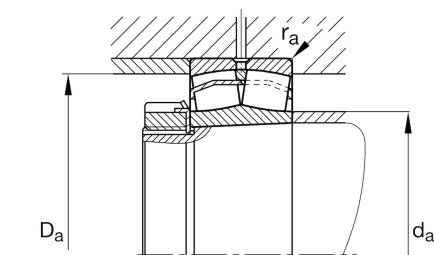
d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	23 mm	Width
C_r	104,000 N	Basic dynamic load rating, radial
C_{0r}	99,000 N	Basic static load rating, radial
C_{ur}	13,000 N	Fatigue load limit, radial
n_G	10,100 1/min	Limiting speed
n_{gr}	5,600 1/min	Reference speed
	0.56 kg	Weight

Dimensions

r_{min}	1.1 mm	Minimum chamfer dimension
D_1	75.6 mm	Bore diameter outer ring
d_2	55 mm	Raceway diameter of the inner ring
d_s	3.2 mm	Diameter lubrication hole
n_s	4.8 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	52 mm	Minimum diameter shaft shoulder
$d_{a max}$	54 mm	Maximum diameter of shaft shoulder
$D_{a max}$	78 mm	Maximum diameter of housing shoulder
$r_{a max}$	1 mm	Maximum recess radius
$d_{b min}$	50 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	8 mm	Minimum cavity width of the sleeve



Additional information

e	0.25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H309	Adapter sleeve
Y ₁	2.74	Dynamic axial load factor
	AH309	Withdrawal sleeve
Y ₂	4.08	Dynamic axial load factor
Y ₀	2.68	Static axial load factor

Temperature range

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