

FAG

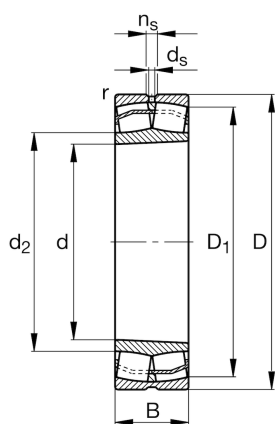
22317-E1-XL-K

Spherical roller bearing

Schaeffler ID:
0190063140000Spherical roller bearings 223...-E1-K, main
dimensions to DIN 635-2, with tapered
bore, taper 1:12

X-life

Technical information



Main Dimensions & Performance Data

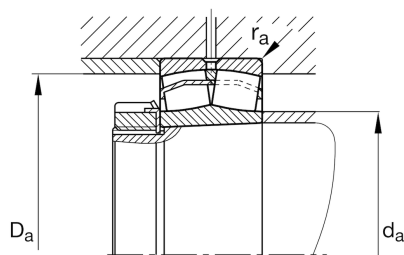
d	85 mm	Bore diameter
D	180 mm	Outside diameter
B	60 mm	Width
C_r	540.000 N	Basic dynamic load rating, radial
C_{0r}	560.000 N	Basic static load rating, radial
C_{ur}	51.000 N	Fatigue load limit, radial
n_G	4.100 1/min	Limiting speed
n_{gr}	3.200 1/min	Reference speed
	7,115 kg	Weight

Mounting dimensions

$d_{a \min}$	99 mm	Minimum diameter shaft shoulder
$d_{a \max}$	104 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	166 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius
$d_{b \min}$	94 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	6 mm	Minimum cavity width of the sleeve

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.



Dimensions

e	0,33	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
r _{min}	3 mm	Minimum chamfer dimension
D ₁	154,2 mm	Bore diameter outer ring
Y ₁	2,04	Dynamic axial load factor
Y ₂	3,04	Dynamic axial load factor
d ₂	104,4 mm	Raceway diameter of the inner ring
d _s	4,8 mm	Diameter lubrication hole
Y ₀	2	Static axial load factor
n _s	9,5 mm	Width of lubricating groove

Additional information

	H2317	Adapter sleeve
	AHX2317	Withdrawal sleeve