

FAG

23030-E1-XL-K-TVPB

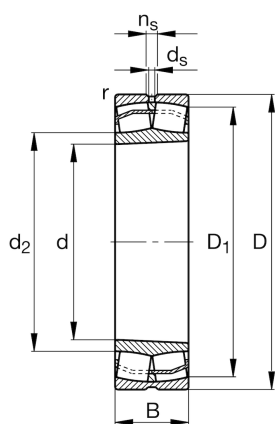
Spherical roller bearing

Schaeffler ID:
0190065190000

Spherical roller bearings 230..-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Technical information

**Temperature range**

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	7,044 kg	Weight

Main Dimensions & Performance Data

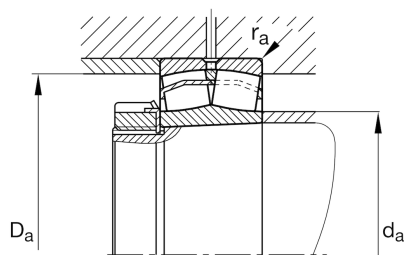
d	150 mm	Bore diameter
D	225 mm	Outside diameter
B	56 mm	Width
C_r	630.000 N	Basic dynamic load rating, radial
C_{0r}	880.000 N	Basic static load rating, radial
C_{ur}	87.000 N	Fatigue load limit, radial
n_G	3.250 1/min	Limiting speed
n_{gr}	2.210 1/min	Reference speed

Dimensions

r_{min}	2,1 mm	Minimum chamfer dimension
D_1	206,3 mm	Bore diameter outer ring
d_2	166,6 mm	Raceway diameter of the inner ring
d_s	4,8 mm	Diameter lubrication hole
n_s	9,5 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	160,2 mm	Minimum diameter shaft shoulder
$D_{a max}$	214,8 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,1 mm	Maximum recess radius
$B_{a min}$	8 mm	Minimum cavity width of the sleeve
$d_{a max}$	166 mm	Maximum diameter of shaft shoulder
$d_{b min}$	158 mm	Minimum cavity diameter of the sleeve



Additional information

	H3030	Adapter sleeve
e	0,22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,1	Dynamic axial load factor
	AHX3030	Withdrawal sleeve
Y ₂	4,62	Dynamic axial load factor
Y ₀	3,03	Static axial load factor