



FAG

★ 22312-E1-XL-K

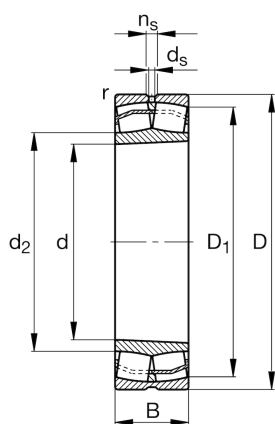
Spherical roller bearing

Schaeffler ID:
0167052970000Spherical roller bearings 223...-E1-K, main
dimensions to DIN 635-2, with tapered
bore, taper 1:12

★ Preferred product

X-life

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.
	2,7 kg	Weight

Main Dimensions & Performance Data

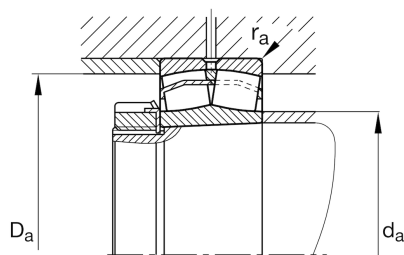
d	60 mm	Bore diameter
D	130 mm	Outside diameter
B	46 mm	Width
C_r	310.000 N	Basic dynamic load rating, radial
C_{0r}	310.000 N	Basic static load rating, radial
C_{ur}	29.000 N	Fatigue load limit, radial
n_G	5.400 1/min	Limiting speed
n_{gr}	4.200 1/min	Reference speed

Dimensions

r_{\min}	2,1 mm	Minimum chamfer dimension
D_1	110,1 mm	Bore diameter outer ring
d_2	74,8 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

$d_{a \min}$	72 mm	Minimum diameter shaft shoulder
$d_{a \max}$	74 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	118 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius
$d_{b \min}$	66 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	5 mm	Minimum cavity width of the sleeve



Additional information

e	0,35	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H2312	Adapter sleeve
Y ₁	1,91	Dynamic axial load factor
	AHX2312	Withdrawal sleeve
Y ₂	2,85	Dynamic axial load factor
Y ₀	1,87	Static axial load factor