

FAG

23026-E1A-XL-K-M

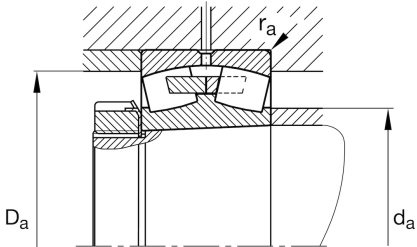
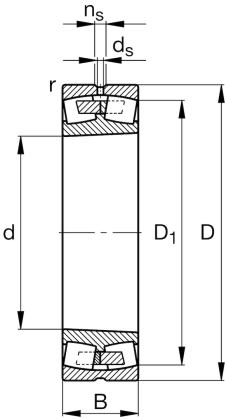
Spherical roller bearing

Schaeffler ID:
0190010370000

Spherical roller bearings 230..-E1A-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Technical information



Main Dimensions & Performance Data

d	130 mm	Bore diameter
D	200 mm	Outside diameter
B	52 mm	Width
C _r	540.000 N	Basic dynamic load rating, radial
C _{0r}	730.000 N	Basic static load rating, radial
C _{ur}	71.000 N	Fatigue load limit, radial
n _G	3.600 1/min	Limiting speed
n _{gr}	2.600 1/min	Reference speed
	5,676 kg	Weight

Dimensions

d _{a min}	138,8 mm	Minimum diameter shaft shoulder
r _{min}	2 mm	Minimum chamfer dimension
D ₁	182,3 mm	Bore diameter outer ring
D _{a max}	191,2 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius
d _s	4,8 mm	Diameter lubrication hole
d _{a max}	146 mm	Maximum diameter of shaft shoulder
d _{b min}	137 mm	Minimum cavity diameter of the sleeve
n _s	9,5 mm	Width of lubricating groove
B _{a min}	8 mm	Minimum cavity width of the sleeve

Additional information

H3026	Adapter sleeve
AHX3026	Withdrawal sleeve

Calculation factors

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,95	Dynamic axial load factor
Y ₂	4,4	Dynamic axial load factor
Y ₀	2,89	Static axial load factor

Temperature range

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