

FAG

23280-BEA-XL-K-MB1-C3

Spherical roller bearing

Schaeffler ID:
0826926370030

Spherical roller bearing 232...-BEA-XL-K-MB1, symmetric 2 outer ribs with rib washer

X-life

Technical information

Main Dimensions & Performance Data

d	400 mm	Bore diameter
D	720 mm	Outside diameter
B	256 mm	Width
C _r	7.000.000 N	Basic dynamic load rating, radial
C _{0r}	10.900.000 N	Basic static load rating, radial
C _{ur}	750.000 N	Fatigue load limit, radial
n _G	820 1/min	Limiting speed
n _{gr}	370 1/min	Reference speed
	444 kg	Weight

Mounting dimensions

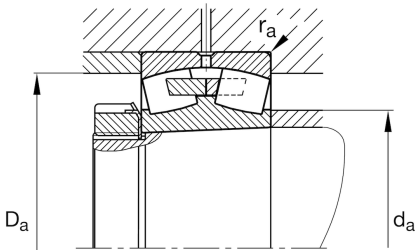
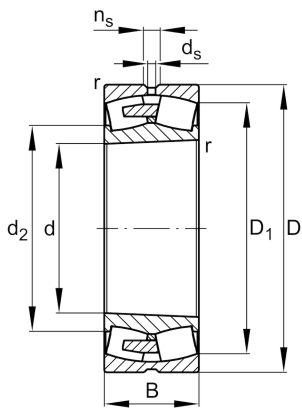
d _{a min}	426 mm	Minimum diameter shaft shoulder
D _{a max}	694 mm	Maximum diameter of housing shoulder
r _{a max}	5 mm	Maximum recess radius
d _{a max}	473 mm	Maximum diameter of shaft shoulder
d _{b min}	427 mm	Minimum cavity diameter of the sleeve
B _{a min}	15 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	6 mm	Minimum chamfer dimension
d _s	12,5 mm	Diameter lubrication hole
n _s	23,5 mm	Width of lubricating groove

Temperature range

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



Calculation factors		
e	0,36	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,9	Dynamic axial load factor
Y ₂	2,83	Dynamic axial load factor
Y ₀	1,86	Static axial load factor
Additional information		
	H3280-HG	Adapter sleeve
	AH3280G-H	Withdrawal sleeve