

FAG

23084-BEA-XL-K-MB1

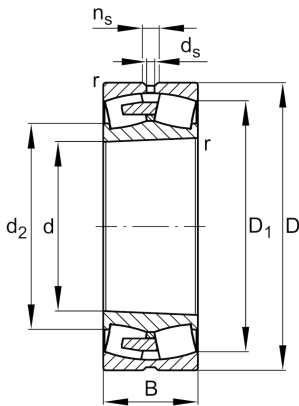
Spherical roller bearing

Schaeffler ID:
0797459200000

Spherical roller bearing 230..-BEA-XL-K-MB1, symmetric 2 outer ribs with rib washer

X-life

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.
	148,5 kg	Weight

Main Dimensions & Performance Data

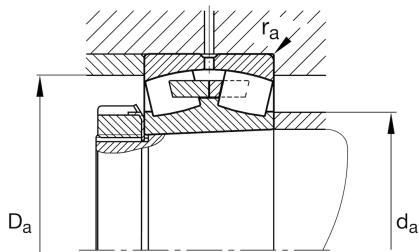
d	420 mm	Bore diameter
D	620 mm	Outside diameter
B	150 mm	Width
C_r	3.650.000 N	Basic dynamic load rating, radial
C_{0r}	6.300.000 N	Basic static load rating, radial
C_{ur}	520.000 N	Fatigue load limit, radial
n_G	1.090 1/min	Limiting speed
n_{gr}	650 1/min	Reference speed

Dimensions

r_{min}	5 mm	Minimum chamfer dimension
D_1	560,7 mm	Bore diameter outer ring
d_s	12,5 mm	Diameter lubrication hole
n_s	23,5 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	438 mm	Minimum diameter shaft shoulder
$D_{a max}$	602 mm	Maximum diameter of housing shoulder
$r_{a max}$	4 mm	Maximum recess radius
$d_{a max}$	468 mm	Maximum diameter of shaft shoulder
$d_{b min}$	437 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	16 mm	Minimum cavity width of the sleeve



Additional information

e	0,21	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3084X-HG	Adapter sleeve
Y ₁	3,17	Dynamic axial load factor
	AH3084G-H	Withdrawal sleeve
Y ₂	4,72	Dynamic axial load factor
Y ₀	3,1	Static axial load factor