

FAG

★ 23080-BEA-XL-K-MB1

Spherical roller bearing

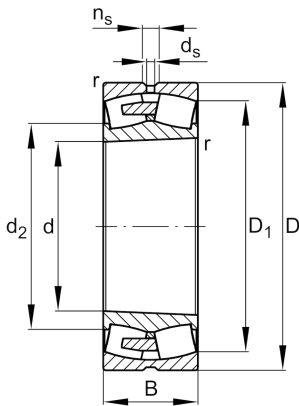
Schaeffler ID:
0849269880000

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

★ Preferred product

X-life

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.
	140,68 kg	Weight

Main Dimensions & Performance Data

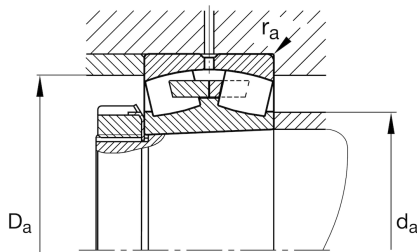
d	400 mm	Bore diameter
D	600 mm	Outside diameter
B	148 mm	Width
C_r	3.400.000 N	Basic dynamic load rating, radial
C_{0r}	5.700.000 N	Basic static load rating, radial
C_{ur}	480.000 N	Fatigue load limit, radial
n_G	1.150 1/min	Limiting speed
n_{gr}	690 1/min	Reference speed

Dimensions

r_{min}	5 mm	Minimum chamfer dimension
D_1	541,9 mm	Bore diameter outer ring
d_s	12,5 mm	Diameter lubrication hole
n_s	23,5 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	418 mm	Minimum diameter shaft shoulder
$D_{a max}$	582 mm	Maximum diameter of housing shoulder
$r_{a max}$	4 mm	Maximum recess radius
$d_{a max}$	448 mm	Maximum diameter of shaft shoulder
$d_{b min}$	417 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	15 mm	Minimum cavity width of the sleeve



Additional information

e	0,22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3080-HG	Adapter sleeve
Y ₁	3,07	Dynamic axial load factor
	AH3080G-H	Withdrawal sleeve
Y ₂	4,57	Dynamic axial load factor
Y ₀	3	Static axial load factor