

FAG

★ 23164-BEA-XL-K-MB1

Spherical roller bearing

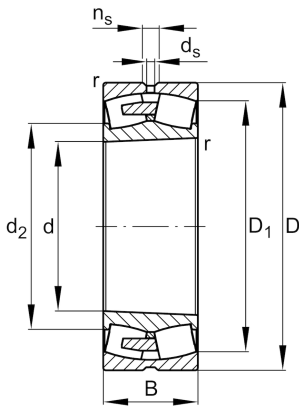
Schaeffler ID:
0635890600000

Spherical roller bearing 231..-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.
	158,04 kg	Weight

Main Dimensions & Performance Data

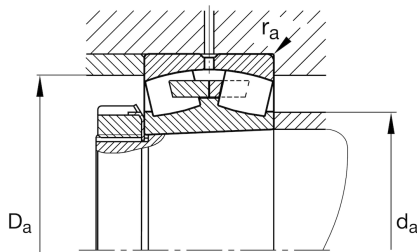
d	320 mm	Bore diameter
D	540 mm	Outside diameter
B	176 mm	Width
C_r	3.800.000 N	Basic dynamic load rating, radial
C_{0r}	5.900.000 N	Basic static load rating, radial
C_{ur}	425.000 N	Fatigue load limit, radial
n_G	1.170 1/min	Limiting speed
n_{gr}	650 1/min	Reference speed

Dimensions

r_{min}	5 mm	Minimum chamfer dimension
D_1	469,3 mm	Bore diameter outer ring
d_s	12,5 mm	Diameter lubrication hole
n_s	23,5 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	340 mm	Minimum diameter shaft shoulder
$D_{a max}$	520 mm	Maximum diameter of housing shoulder
$r_{a max}$	4 mm	Maximum recess radius
$d_{a max}$	369 mm	Maximum diameter of shaft shoulder
$d_{b min}$	338 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	13 mm	Minimum cavity width of the sleeve



Additional information

e	0,32	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3164-HG	Adapter sleeve
Y ₁	2,13	Dynamic axial load factor
	AH3164G-H	Withdrawal sleeve
Y ₂	3,17	Dynamic axial load factor
Y ₀	2,08	Static axial load factor