

FAG

23138-E1-XL-K-TVPB

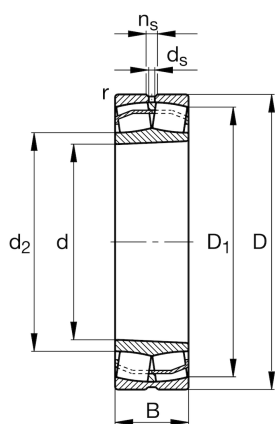
Spherical roller bearing

Schaeffler ID:
0167078690000

Spherical roller bearings 231...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	31,104 kg	Weight

Main Dimensions & Performance Data

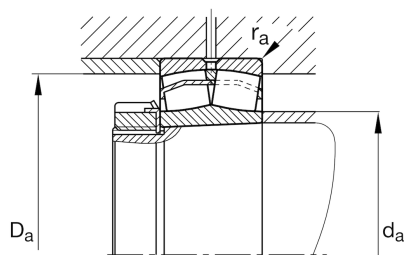
d	190 mm	Bore diameter
D	320 mm	Outside diameter
B	104 mm	Width
C_r	1.610.000 N	Basic dynamic load rating, radial
C_{0r}	2.220.000 N	Basic static load rating, radial
C_{ur}	222.000 N	Fatigue load limit, radial
n_G	2.070 1/min	Limiting speed
n_{gr}	1.260 1/min	Reference speed

Dimensions

r_{min}	3 mm	Minimum chamfer dimension
D_1	281,6 mm	Bore diameter outer ring
d_2	217 mm	Raceway diameter of the inner ring
d_s	8 mm	Diameter lubrication hole
n_s	15 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	204 mm	Minimum diameter shaft shoulder
$D_{a max}$	306 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,5 mm	Maximum recess radius
$B_{a min}$	9 mm	Minimum cavity width of the sleeve
$d_{a max}$	216 mm	Maximum diameter of shaft shoulder
$d_{b min}$	202 mm	Minimum cavity diameter of the sleeve



Additional information

	H3138	Adapter sleeve
e	0,3	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,28	Dynamic axial load factor
	AH3138G	Withdrawal sleeve
Y ₂	3,39	Dynamic axial load factor
Y ₀	2,23	Static axial load factor