

FAG

★ 23040-E1-XL-K-TVPB

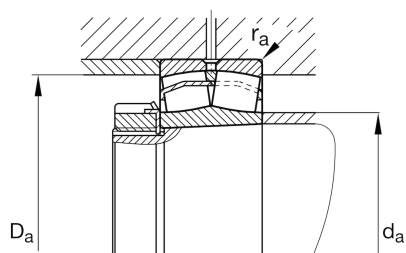
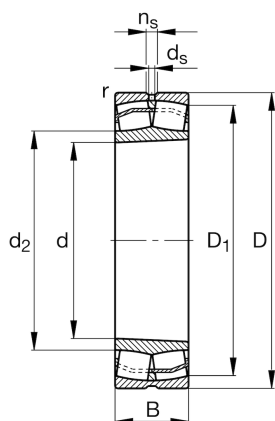
Spherical roller bearing

Schaeffler ID:
0190263900000Spherical roller bearings 230...E1-K, main
dimensions to DIN 635-2, with tapered
bore, taper 1:12

★ Preferred product

X-life

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	20,598 kg	Weight

Main Dimensions & Performance Data

d	200 mm	Bore diameter
D	310 mm	Outside diameter
B	82 mm	Width
C_r	1.270.000 N	Basic dynamic load rating, radial
C_{0r}	1.800.000 N	Basic static load rating, radial
C_{ur}	206.000 N	Fatigue load limit, radial
n_G	2.330 1/min	Limiting speed
n_{gr}	1.550 1/min	Reference speed

Dimensions

r_{min}	2,1 mm	Minimum chamfer dimension
D_1	281,6 mm	Bore diameter outer ring
d_2	223,4 mm	Raceway diameter of the inner ring
d_s	8 mm	Diameter lubrication hole
n_s	15 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	210,2 mm	Minimum diameter shaft shoulder
$D_{a max}$	299,8 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,1 mm	Maximum recess radius
$B_{a min}$	10 mm	Minimum cavity width of the sleeve
$d_{a max}$	223 mm	Maximum diameter of shaft shoulder
$d_{b min}$	210 mm	Minimum cavity diameter of the sleeve

Additional information

	H3040	Adapter sleeve
e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,9	Dynamic axial load factor
	AH3040G	Withdrawal sleeve
Y ₂	4,31	Dynamic axial load factor
Y ₀	2,83	Static axial load factor