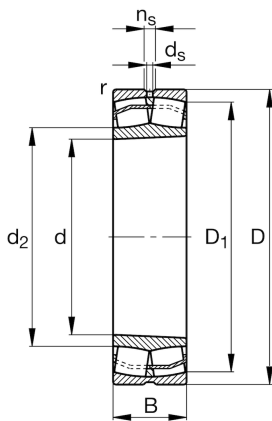
**23040-E1-XL-K-TVPB-C3**

Spherical Roller Bearing

Schaeffler ID:
0190263900030

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

Technical information



Main Dimensions & Performance Data

d	7,874 in	Bore diameter
D	12,205 in	Outside diameter
B	3,228 in	Width
C _r	285.521,583 lbf	Basic dynamic load rating, radial
C _{0r}	404.676,259 lbf	Basic static load rating, radial
C _{ur}	46.312,95 lbf	Fatigue load limit, radial
n _G	2.330 1/min	Limiting speed
n _{gr}	1.550 1/min	Reference speed
	45,398 lbs	Weight

Mounting dimensions

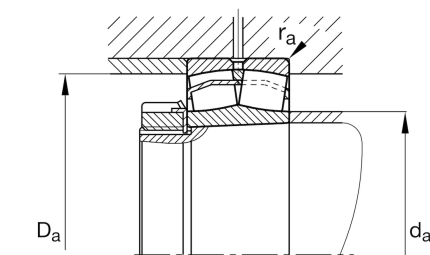
d _{a min}	8,276 in	Minimum diameter shaft shoulder
D _{a max}	11,803 in	Maximum diameter of housing shoulder
r _{a max}	0,083 in	Maximum recess radius
B _{a min}	0,394 in	Minimum cavity width of the sleeve
d _{a max}	8,78 in	Maximum diameter of shaft shoulder
d _{b min}	8,268 in	Minimum cavity diameter of the sleeve

Dimensions

r _{min}	0,083 in	Minimum chamfer dimension
D ₁	11,087 in	Bore diameter outer ring
d ₂	8,795 in	Raceway diameter of the inner ring
d _s	0,315 in	Diameter lubrication hole
n _s	0,591 in	Width of lubricating groove

Temperature range

T _{min}	-22 °F	Operating temperature min.
T _{max}	248 °F	Operating temperature max.



Calculation factors

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
Y ₂	4,31	Dynamic axial load factor
Y ₀	2,83	Static axial load factor

Additional information

H3040	Adapter sleeve
AH3040G	Withdrawal sleeve