

FAG

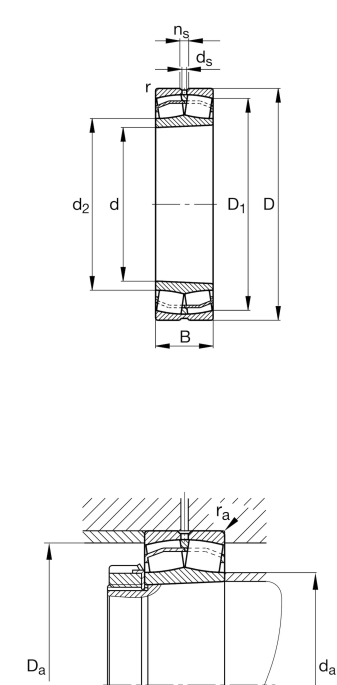
23134-E1-XL-K-TVPB-C3

Spherical Roller Bearing

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

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	E1	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	TVPB	Plastic cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	170 mm	Bore diameter
D	280 mm	Outside diameter
B	88 mm	Width
C _r	1.220.000 N	Basic dynamic load rating, radial
C _{0r}	1.690.000 N	Basic static load rating, radial
C _{ur}	177.000 N	Fatigue load limit, radial
n _G	2.380 1/min	Limiting speed
n _{gr}	1.460 1/min	Reference speed
≈m	19,678 kg	Masa



Mounting dimensions

d a min	182 mm	Minimum diameter shaft shoulder
D a max	268 mm	Maximum diameter of housing shoulder
r a max	2,1 mm	Maximum recess radius
B a min	8 mm	Minimum cavity width of the sleeve
d a max	193 mm	Maximum diameter of shaft shoulder
d b min	180 mm	Minimum cavity diameter of the sleeve

Dimensions

r min	2,1 mm	Minimum chamfer dimension
D 1	248,1 mm	Bore diameter outer ring
d 2	193,4 mm	Raceway diameter of the inner ring
d s	8 mm	Diameter lubrication hole
n s	15 mm	Width of lubricating groove

Temperature range

T min	-30 °C	Operating temperature min.
T max	120 °C	Operating temperature max.

Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y 1	2,37	Dynamic axial load factor
Y 2	3,53	Dynamic axial load factor
Y 0	2,32	Static axial load factor

Additional information

H3134	Adapter sleeve
AH3134A	Withdrawal sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna