



FAG

23152-BE-XL-K-T52BW-C4

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	BE	With lose center lip ring
Bore type	K	Tapered, taper 1:12
Cage	JPB	Sheet metal cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication	Standard	

Main Dimensions & Performance Data

d	260 mm	Bore diameter
D	440 mm	Outside diameter
B	144 mm	Width
C _r	2.600.000 N	Basic dynamic load rating, radial
C _{0r}	3.900.000 N	Basic static load rating, radial
C _{ur}	310.000 N	Fatigue load limit, radial
n _G	1.500 1/min	Limiting speed
n _{gr}	860 1/min	Reference speed
≈m	85,03 kg	Masa



Mounting dimensions

d _{a min}	277 mm	Minimum diameter shaft shoulder
d _{a max}	302 mm	Maximum diameter of shaft shoulder
D _{a max}	423 mm	Maximum diameter of housing shoulder
r _{a max}	3 mm	Maximum recess radius
d _{b min}	276 mm	Minimum cavity diameter of the sleeve
B _{a min}	11 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	4 mm	Minimum chamfer dimension
D ₁	382,7 mm	Bore diameter outer ring
d ₂	301,7 mm	Raceway diameter of the inner ring
d _s	9,5 mm	Diameter lubrication hole
n _s	17,7 mm	Width of lubricating groove

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Calculation factors

e	0,32	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,12	Dynamic axial load factor
Y ₂	3,15	Dynamic axial load factor
Y ₀	2,07	Static axial load factor

Additional information

H3152X	Adapter sleeve
AH3152G	Withdrawal sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe



Nieosiowość statyczna



Nieosiowość dynamiczna