

FAG

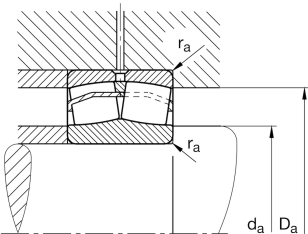
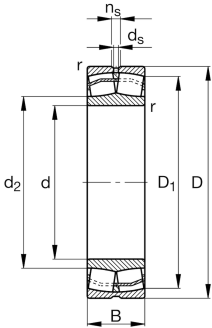
X-life

22320-E1-XL-T41D

Spherical Roller Bearing

Spherical roller bearings 223...-E1-T41A,
For oscillating load with restricted diameter
tolerances

Technical information



Your current product variant

Design	E1	without central rip
Bore type	Z	Cylindrical
Cage	JPA	Sheet metal cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication feature	Standard	
Spherical roller bearing for vibrating screens	T41D	for vibrating screens, bore thin layer chromium coated

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	215 mm	Outside diameter
B	73 mm	Width
C _r	810,000 N	Basic dynamic load rating, radial
C _{0r}	920,000 N	Basic static load rating, radial
C _{ur}	77,000 N	Fatigue load limit, radial
n _G	3,300 1/min	Limiting speed
n _{gr}	2,380 1/min	Reference speed
≈m	13.061 kg	Weight



Mounting dimensions

d _{a min}	114 mm	Minimum diameter shaft shoulder
D _{a max}	201 mm	Maximum diameter of housing shoulder
r _{a max}	2.5 mm	Maximum recess radius

Dimensions

r _{min}	3 mm	Minimum chamfer dimension
D ₁	184.7 mm	Bore diameter outer ring
d ₂	130.2 mm	Raceway diameter of the inner ring
d _s	6.3 mm	Diameter lubrication hole
n _s	12.2 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0.33	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2.03	Dynamic axial load factor
Y ₂	3.02	Dynamic axial load factor
Y ₀	1.98	Static axial load factor