

FAG

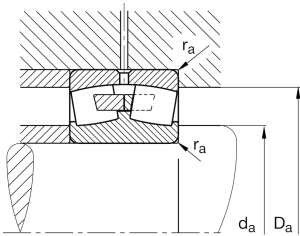
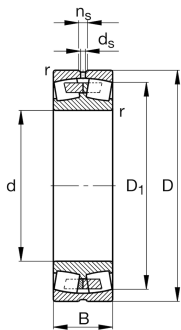
22318-E1A-XL-MA-T41A

Spherical Roller Bearing

Spherical roller bearing 223...-E1A-XL-MA-T41A, symmetric 2 outer ribs

X-life

Technical information



Your current product variant

Design	E1A	without central rip
Bore type	Z	Cylindrical
Cage	MA	Solid brass cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication feature	Standard	
Spherical roller bearing for vibrating screens	T41A	for vibrating screens

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	64 mm	Width
C _r	610,000 N	Basic dynamic load rating, radial
C _{0r}	630,000 N	Basic static load rating, radial
C _{ur}	56,000 N	Fatigue load limit, radial
n _G	3,850 1/min	Limiting speed
n _{gr}	3,000 1/min	Reference speed
≈m	8.772 kg	Weight



Mounting dimensions

d _{a min}	104 mm	Minimum diameter shaft shoulder
D _{a max}	176 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	162.5 mm	Bore diameter outer ring
d ₂	110.2 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