52232 MDouble direction thrust ball bearing

Double direction thrust ball bearing

Double direction thrust ball bearings can accommodate axial loads in both directions, but they must not be subjected to any radial load. Their separable components facilitate mounting/dismounting and maintenance inspections, and many of the components are interchangeable. The shaft washers have a ground bore that enables an interference fit.

- Separable design facilitates mounting/dismounting and maintenance inspections
- Interchangeable components
- Ground bore of the shaft washers enables interference fits

Overview

Dimensions

Bore diameter	140 mm
Outside diameter	225 mm
Height	90 mm

Performance

Basic dynamic load rating	247 kN
Basic static load rating	800 kN
Reference speed	900 r/min
Limiting speed	1 300 r/min

Properties

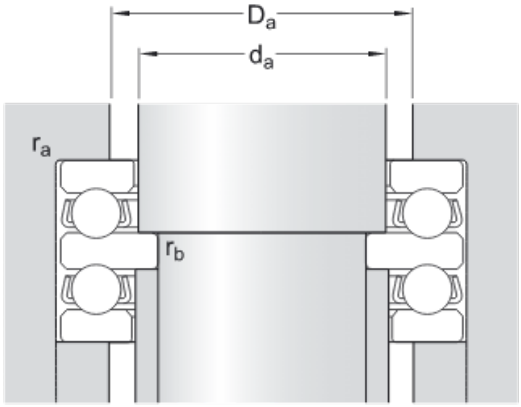
Axial load capability	Double-direction
Number of rows	2
Cage	Machined metal
Housing washer type	Flat
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without

Technical Specification

NOT FOUND

Dimensions

d	140 mm	Bore diameter
D	225 mm	Outside diameter
H	90 mm	Height
D_1	≈ 163 mm	Inner diameter housing washer
B	20 mm	Height shaft washer
$r_{1,2}$	min. 1.5 mm	Chamfer dimension housing washer
$r_{3,4}$	min. 1.1 mm	Chamfer dimension shaft washer



Abutment dimensions

d_a	160 mm	Abutment diameter shaft
D_a	max. 186 mm	Abutment diameter housing
r_a	max. 1.5 mm	Fillet radius housing
r_b	max. 1 mm	Fillet radius shaft

Calculation data

Basic dynamic load rating	C	247 kN
Basic static load rating	C_0	800 kN
Fatigue load limit	P_u	21.2 kN
Reference speed		900 r/min
Limiting speed		1 300 r/min
Minimum load factor	A	3.8

Mass

Mass bearing (including seat washer where applicable)	11.4 kg

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