



53212

- Popular item

Thrust ball bearings, single direction

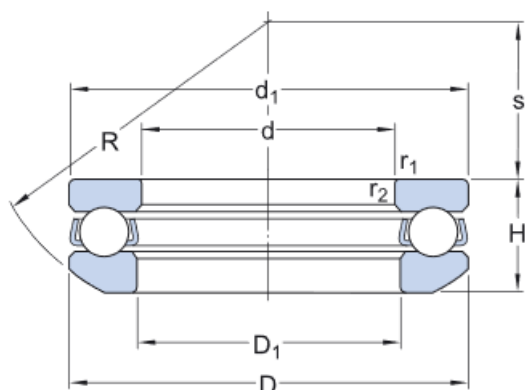
Bearing data

[Tolerances,](#)
[table 1](#)

Bearing interfaces

[Seat tolerances for standard conditions,](#)
[Tolerances and resultant fit](#)

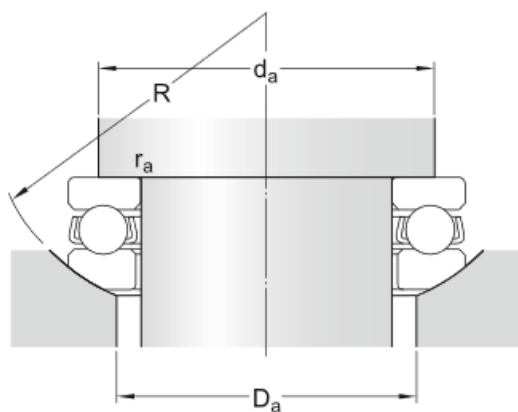
Technical specification



DIMENSIONS

d	60 mm	Bore diameter
D	95 mm	Outside diameter
H	28 mm	Height
H ₁	31 mm	Height bearing including seat washer
d ₁	≈ 95 mm	Outside diameter shaft washer
D ₁	≈ 62 mm	Inner diameter housing washer
D ₂	78 mm	Inner diameter sphered seat washer
D ₃	100 mm	Outside diameter sphered housing washer
C	9 mm	Height sphered housing washer
R	72 mm	Radius sphered housing washer
s	32.5 mm	Centre height housing washer sphere
r _{1,2}	min. 1 mm	Chamfer dimension washer

ABUTMENT DIMENSIONS



d_a min. 81 mm	Abutment diameter shaft
D_a max. 78 mm	Abutment diameter housing
r_a max. 1 mm	Fillet radius



CALCULATION DATA

Basic dynamic load rating	C	59.2 kN
Basic static load rating	C_0	140 kN
Fatigue load limit	P_u	5.1 kN
Reference speed		2 600 r/min
Limiting speed		3 600 r/min
Minimum load factor	A	0.12

MASS

Mass bearing (including seat washer where applicable)	0.82 kg
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ASSOCIATED PRODUCTS

Seat washer

U 212

More information

Product details

[Designs and variants](#)[Bearing data](#)[Loads](#)[Temperature limits](#)[Permissible speed](#)[Mounting](#)[Designation system](#)

Engineering information

[Principles of rolling bearing selection](#)[General bearing knowledge](#)[Bearing selection process](#)[Bearing interfaces](#)[Seat tolerances for standard conditions](#)[Lubrication](#)[External sealing, mounting and dismounting](#)[Bearing failure and how to prevent it](#)

Tools

[Bearing Select](#)[Engineering Calculator](#)[SimPro Quick](#)[LubeSelect for SKF greases](#)[Heater selection tool](#)

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