



53214 Thrust ball bearings, single direction

- Popular item

Thrust ball bearings, single direction

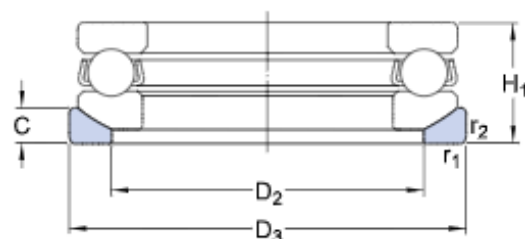
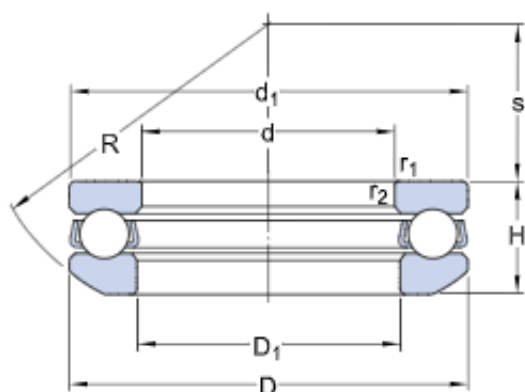
Bearing data

[Tolerances,](#)
table 1

Bearing interfaces

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

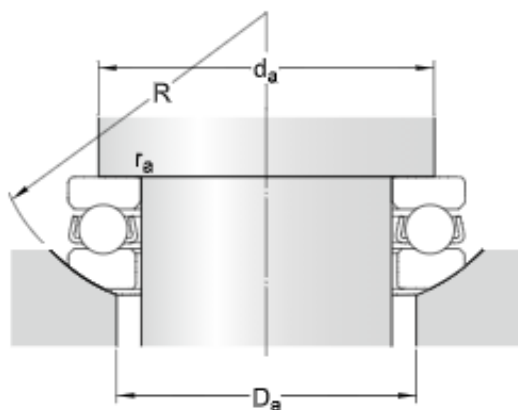
Technical specification



DIMENSIONS

d	70 mm	Bore diameter
D	105 mm	Outside diameter
H	27 mm	Height
H ₁	32 mm	Height bearing including seat washer
d ₁	≈ 105 mm	Outside diameter shaft washer
D ₁	≈ 72 mm	Inner diameter housing washer
D ₂	88 mm	Inner diameter sphered seat washer
D ₃	110 mm	Outside diameter sphered housing washer
C	9 mm	Height sphered housing washer
R	80 mm	Radius sphered housing washer
s	38 mm	Centre height housing washer sphere
r _{1,2}	min. 1 mm	Chamfer dimension washer

ABUTMENT DIMENSIONS



d_a min. 91 mm	Abutment diameter shaft
D_a max. 88 mm	Abutment diameter housing
r_a max. 1 mm	Fillet radius



CALCULATION DATA

C	62.4 kN	Basic dynamic load rating
C_0	160 kN	Basic static load rating
P_u	5.85 kN	Fatigue load limit
	2 600 r/min	Reference speed
	3 600 r/min	Limiting speed
A	0.16	Minimum load factor

MASS

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