

81114 TN

- Popular item



Cylindrical roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

table, table, values,

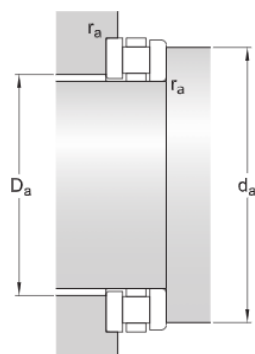
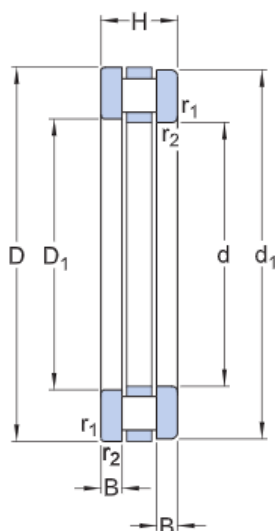
[Design considerations,](#)

table

Bearing interfaces

[Seat tolerances for standard conditions](#)

Technical specification



DIMENSIONS

d	70 mm	Bore diameter
D	95 mm	Outside diameter
H	18 mm	Nominal height
d ₁	95 mm	Outside diameter shaft washer
D ₁	72 mm	Bore diameter housing washer
B	5.25 mm	Height shaft washer
r _{1,2}	min.1 mm	Chamfer dimension housing washer

ABUTMENT DIMENSIONS

da	min.92 mm	Abutment diameter shaft
Da	max.72 mm	Abutment diameter housing
ra	max.1 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	86.5 kN
Basic static load rating	C ₀	345 kN
Fatigue load limit	P _u	34.5 kN
Reference speed		1 700 r/min
Limiting speed		3 400 r/min
Minimum axial load factor	A	0.01

MASS

Mass bearing	0.33 kg
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INCLUDED PRODUCTS

Roller and cage thrust assembly	K 81114 TN
Shaft washer	WS 81114
Housing washer	GS 81114