

81107 TN

- Popular item



Cylindrical roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

table, table, values,

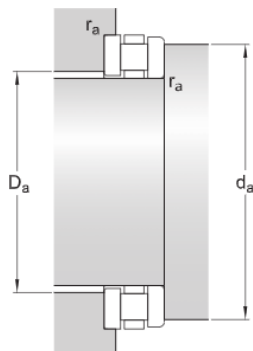
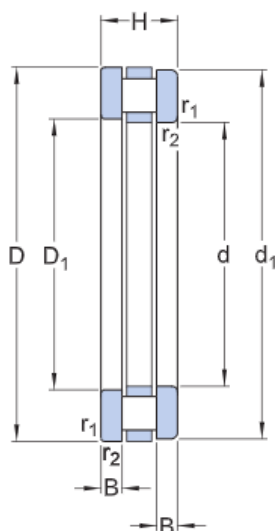
[Design considerations,](#)

table

Bearing interfaces

[Seat tolerances for standard conditions](#)

Technical specification



DIMENSIONS

d	35 mm	Bore diameter
D	52 mm	Outside diameter
H	12 mm	Nominal height
d ₁	52 mm	Outside diameter shaft washer
D ₁	37 mm	Bore diameter housing washer
B	3.5 mm	Height shaft washer
r _{1,2}	min.0.6 mm	Chamfer dimension housing washer

ABUTMENT DIMENSIONS

da	min.51 mm	Abutment diameter shaft
Da	max.36 mm	Abutment diameter housing
ra	max.0.6 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	29 kN
Basic static load rating	C ₀	93 kN
Fatigue load limit	P _u	9.15 kN
Reference speed		2 800 r/min
Limiting speed		5 600 r/min
Minimum axial load factor	A	0.001

MASS

Mass bearing	0.073 kg
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INCLUDED PRODUCTS

Roller and cage thrust assembly	K 81107 TN
Shaft washer	WS 81107
Housing washer	GS 81107