

81109 TN

- Popular item



Cylindrical roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

table, table, values,

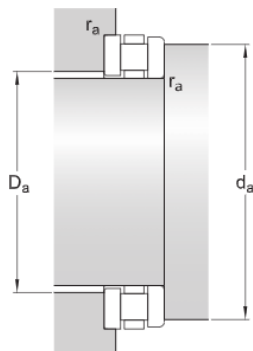
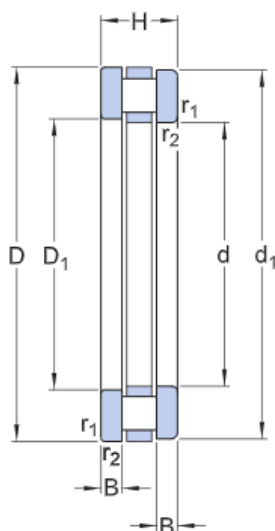
[Design considerations,](#)

table

Bearing interfaces

[Seat tolerances for standard conditions](#)

Technical specification



DIMENSIONS

d	45 mm	Bore diameter
D	65 mm	Outside diameter
H	14 mm	Nominal height
d ₁	65 mm	Outside diameter shaft washer
D ₁	47 mm	Bore diameter housing washer
B	4 mm	Height shaft washer
r _{1,2}	min.0.6 mm	Chamfer dimension housing washer

ABUTMENT DIMENSIONS

da	min.63 mm	Abutment diameter shaft
Da	max.47 mm	Abutment diameter housing
ra	max.0.6 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	45 kN
Basic static load rating	C ₀	153 kN
Fatigue load limit	P _u	15.3 kN
Reference speed		2 200 r/min
Limiting speed		4 500 r/min
Minimum axial load factor	A	0.002

MASS

Mass bearing	0.13 kg
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INCLUDED PRODUCTS

Roller and cage thrust assembly	K 81109 TN
Shaft washer	WS 81109
Housing washer	GS 81109