

81102 TN

- Popular item



Cylindrical roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

table, table, values,

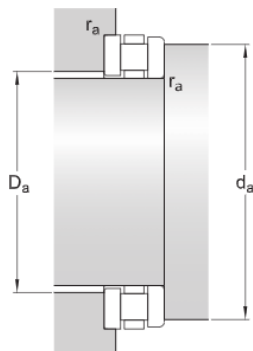
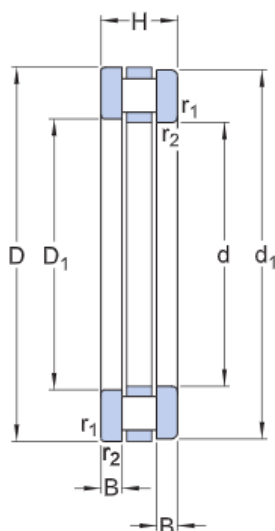
[Design considerations,](#)

table

Bearing interfaces

[Seat tolerances for standard conditions](#)

Technical specification



DIMENSIONS

d	15 mm	Bore diameter
D	28 mm	Outside diameter
H	9 mm	Nominal height
d ₁	28 mm	Outside diameter shaft washer
D ₁	16 mm	Bore diameter housing washer
B	2.75 mm	Height shaft washer
r _{1,2}	min.0.3 mm	Chamfer dimension housing washer

ABUTMENT DIMENSIONS

da	min.27 mm	Abutment diameter shaft
Da	max.16 mm	Abutment diameter housing
ra	max.0.3 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	11.2 kN
Basic static load rating	C ₀	27 kN
Fatigue load limit	P _u	2.45 kN
Reference speed		4 300 r/min
Limiting speed		8 500 r/min
Minimum axial load factor	A	0

MASS

Mass bearing	0.024 kg
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INCLUDED PRODUCTS

Roller and cage thrust assembly	K 81102 TN
Shaft washer	WS 81102
Housing washer	GS 81102