

81118 TN

- Popular item



Cylindrical roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

table, table, values,

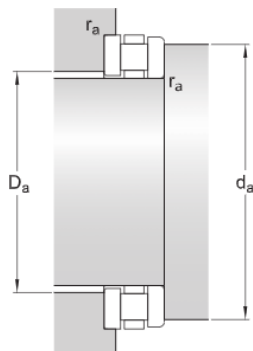
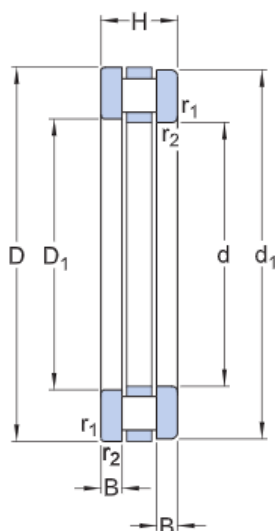
[Design considerations,](#)

table

Bearing interfaces

[Seat tolerances for standard conditions](#)

Technical specification



DIMENSIONS

d	90 mm	Bore diameter
D	120 mm	Outside diameter
H	22 mm	Nominal height
d ₁	120 mm	Outside diameter shaft washer
D ₁	92 mm	Bore diameter housing washer
B	6.5 mm	Height shaft washer
r _{1,2}	min.1 mm	Chamfer dimension housing washer

ABUTMENT DIMENSIONS

da	min.117 mm	Abutment diameter shaft
Da	max.93 mm	Abutment diameter housing
ra	max.1 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	110 kN
Basic static load rating	C ₀	450 kN
Fatigue load limit	P _u	45.5 kN
Reference speed		1 300 r/min
Limiting speed		2 600 r/min
Minimum axial load factor	A	0.016

MASS

Mass bearing	0.62 kg
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INCLUDED PRODUCTS

Roller and cage thrust assembly	K 81118 TN
Shaft washer	WS 81118
Housing washer	GS 81118