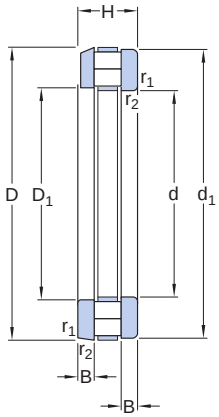
89313 TN

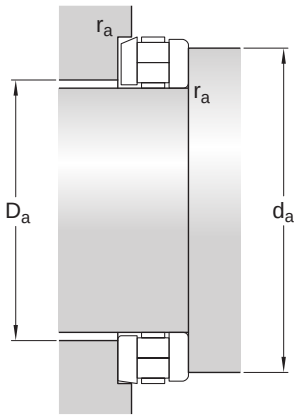
Double row cylindrical roller thrust bearings are designed to accommodate heavy axial loads and peak loads in one direction, but not radial loads. They provide a high degree of stiffness and require little axial space. They are mainly used in applications where thrust ball bearings do not have sufficient load carrying capacity. An important feature is the separable design, which facilitates mounting and enables the bearing components to be interchanged.

- High axial load carrying capacity
- High stiffness
- Long service life
- Require little axial space
- Separable design



Dimensions

d	65 mm	Bore diameter
D	115 mm	Outside diameter
H	30 mm	Height
d_1	115 mm	Outside diameter shaft washer
D_1	67 mm	Bore diameter housing washer
B	10.5 mm	Height shaft washer
$r_{1,2}$	min. 1.1 mm	Chamfer dimension housing washer



Abutment dimensions

d_a	min. 113 mm	Abutment diameter shaft
D_a	max. 72 mm	Abutment diameter housing
r_a	max. 1.1 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	153 kN
Basic static load rating	C_0	640 kN
Fatigue load limit	P_u	65.5 kN
Reference speed		1 400 r/min
Limiting speed		2 800 r/min
Minimum axial load factor	A	0.0328

Included products

Roller and cage thrust assembly	K 89313 TN
Shaft washer	WS 89313
Housing washer	GS 89313

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table, table, values

DESIGN CONSIDERATIONS

- table

BEARING INTERFACES

- Seat tolerances for standard conditions