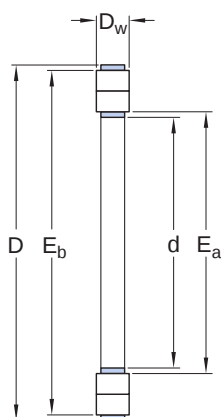


K 89314 TN

Single direction cylindrical roller thrust bearings are designed to accommodate heavy axial loads and peak loads in one direction. They must not be subjected to any radial load. The bearings provide a high degree of stiffness and require little axial space. To accommodate axial loads in both directions, a double direction bearing can be created by combining two cylindrical roller and cage thrust assemblies and two bearing washers with an intermediate washer.



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



Dimensions

d	70 mm	Bore diameter
D	125 mm	Outside diameter
D _w	10 mm	Diameter roller
E _a	76 mm	Raceway diameter (min.) roller and cage thrust assembly
E _b	123 mm	Raceway diameter (max.) roller and cage thrust assembly

Calculation data

Basic dynamic load rating	C	186 kN
Basic static load rating	C ₀	800 kN
Fatigue load limit	P _u	81.5 kN
Reference speed		1 300 r/min
Limiting speed		2 600 r/min
Minimum axial load factor	A	0.0512

Associated products

Shaft washer	WS 89314
Housing washer	GS 89314

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table, table, values

DESIGN CONSIDERATIONS

- table

BEARING INTERFACES

- Seat tolerances for standard conditions

AGA BEARINGS