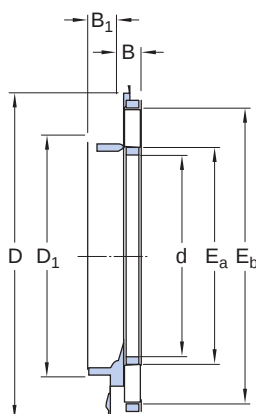


AXW 15

Needle roller thrust bearings are designed to accommodate heavy axial loads and peak loads in one direction. They provide a high degree of stiffness within a minimum axial space. The bearings consist of a needle roller and cage thrust assembly and a thrust washer with a centring flange. The flange facilitates mounting and accurately centres the washer radially. To accommodate combined radial and axial loads, the bearings can be combined with drawn cup needle roller bearings or needle roller bearings with machined rings.



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



Dimensions

d	15 mm	Bore diameter
D	31 mm	Outside diameter
D _w	2 mm	Diameter roller
E _a	min. 17 mm	Raceway diameter (min.) roller and cage thrust assembly
E _b	max. 27 mm	Raceway diameter (max.) roller and cage thrust assembly
D ₁	21 mm	Outsider diameter centring flange
B	3.2 mm	Height without centring flange
B ₁	3.5 mm	Height centring flange

Calculation data

Basic dynamic load rating	C	10.4 kN
Basic static load rating	C ₀	37.5 kN

Fatigue load limit	P _u	4.3 kN
Reference speed		4 800 r/min
Limiting speed		9 500 r/min

Associated products

Universal washer	LS 1528
Thin universal washer	AS 1528
Shaft washer	WS 81102

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table, values

DESIGN CONSIDERATIONS

- table

BEARING INTERFACES

- Seat tolerances for standard conditions