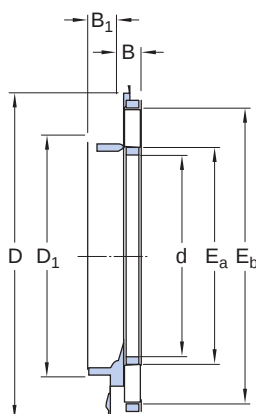


## AXW 35

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              | 35 mm      | Bore diameter                                           |
| D              | 55 mm      | Outside diameter                                        |
| D <sub>w</sub> | 2 mm       | Diameter roller                                         |
| E <sub>a</sub> | min. 39 mm | Raceway diameter (min.) roller and cage thrust assembly |
| E <sub>b</sub> | max. 51 mm | Raceway diameter (max.) roller and cage thrust assembly |
| D <sub>1</sub> | 42 mm      | Outsider diameter centring flange                       |
| B              | 3.2 mm     | Height without centring flange                          |
| B <sub>1</sub> | 4 mm       | Height centring flange                                  |

### Calculation data

|                           |                |         |
|---------------------------|----------------|---------|
| Basic dynamic load rating | C              | 16.6 kN |
| Basic static load rating  | C <sub>0</sub> | 83 kN   |

|                    |                |             |
|--------------------|----------------|-------------|
| Fatigue load limit | P <sub>u</sub> | 9.8 kN      |
| Reference speed    |                | 3 200 r/min |
| Limiting speed     |                | 6 300 r/min |

Associated products

|                       |          |
|-----------------------|----------|
| Universal washer      | LS 3552  |
| Thin universal washer | AS 3552  |
| Shaft washer          | WS 81107 |

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: table, values

DESIGN CONSIDERATIONS

- table

BEARING INTERFACES

- Seat tolerances for standard conditions