

## Technical datasheet

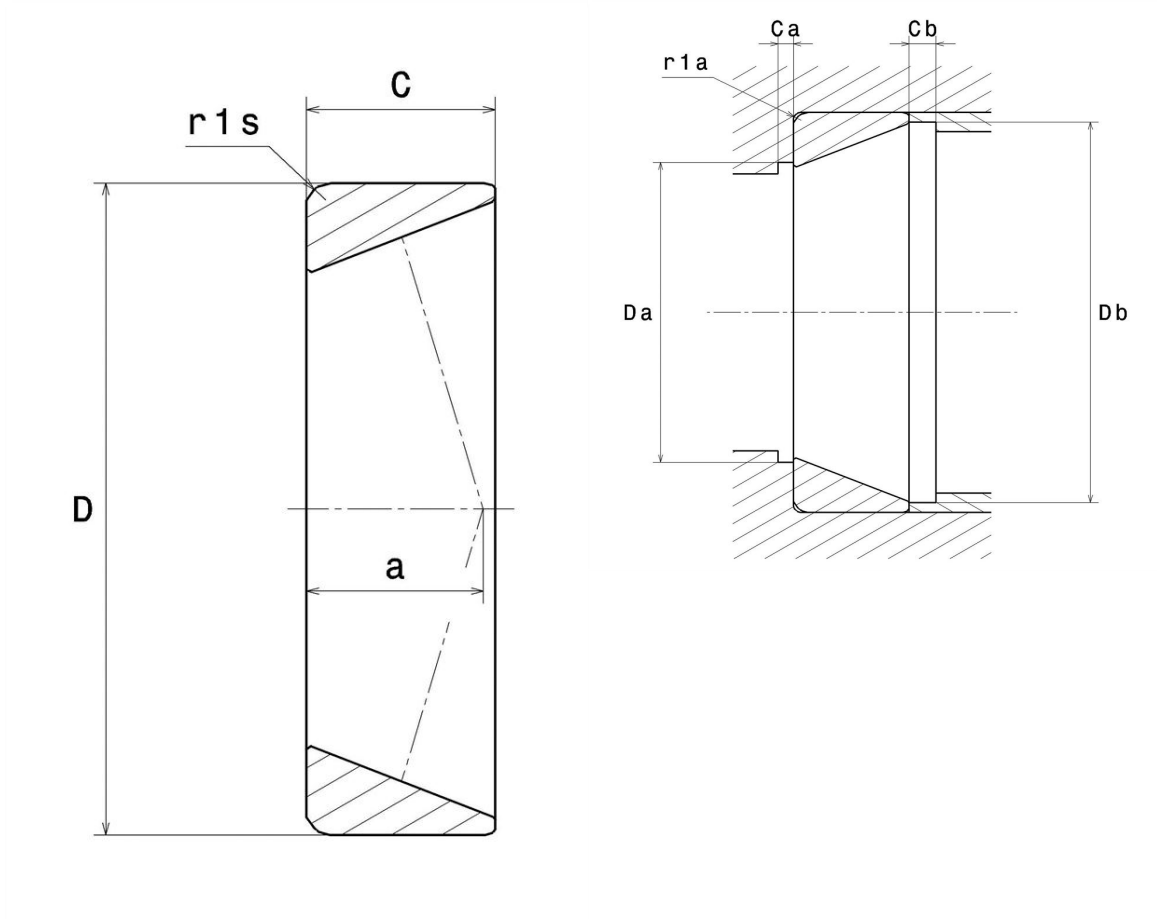
### 4T-742

Single row tapered roller bearings

cup



#### Visual(s)



#### Product definition

|              |           |
|--------------|-----------|
| <b>D</b>     | 150.09 mm |
| <b>C</b>     | 36.51 mm  |
| <b>Brand</b> | NTN       |

#### Product performance

|                                        |        |
|----------------------------------------|--------|
| <b>Min operating temperature, Tmin</b> | -40 °C |
| <b>Max operating temperature, Tmax</b> | 120 °C |

## Abutment dimensions

**r1a max**

3.3 mm

## Calculation factors

### Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

| $F_a / F_r \leq e$ |   | $F_a / F_r > e$ |    |
|--------------------|---|-----------------|----|
| X                  | Y | X               | Y  |
| 1                  | 0 | 0.4             | Y2 |

### Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

| $X_0$ | $Y_0$ |
|-------|-------|
| 0.5   | Y0    |

If  $P_0 < F_r$ , then use  $P_0 = F_r$

The values for e, Y2 and Y0 are shown in the above table