

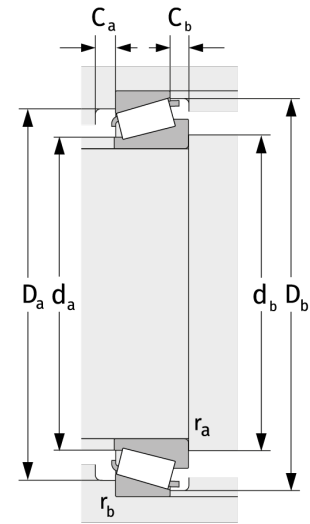
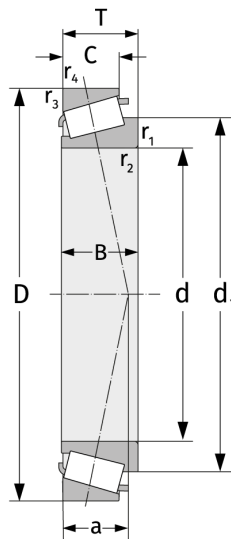
# 33118

Tapered Roller Bearings (single row, metric)



## Details:

| Main dimensions |        |                       |         |
|-----------------|--------|-----------------------|---------|
| d [mm]          | 90     | B [mm]                | 45      |
| D [mm]          | 150    | d <sub>1</sub> [mm]   | ≈ 120.9 |
| T [mm]          | 45     | r <sub>1,2</sub> [mm] | 2.5     |
| Weight [kg]     | ≈ 3.17 | r <sub>3,4</sub> [mm] | 2       |
| C [mm]          | 35     | a [mm]                | ≈ 35.6  |



| Mating dimensions       |     | Calculation data                     |      |
|-------------------------|-----|--------------------------------------|------|
| d <sub>a,max</sub> [mm] | 100 | C [kN]                               | 272  |
| d <sub>b,min</sub> [mm] | 100 | C <sub>0</sub> [kN]                  | 437  |
| D <sub>a,min</sub> [mm] | 130 | C <sub>u</sub> [kN]                  | 48.9 |
| D <sub>a,max</sub> [mm] | 140 | n <sub>th</sub> [min <sup>-1</sup> ] | 2793 |
| D <sub>b,min</sub> [mm] | 144 | n <sub>g</sub> [min <sup>-1</sup> ]  | 4400 |
| C <sub>a,min</sub> [mm] | 7   | e                                    | 0,4  |
| C <sub>b,min</sub> [mm] | 10  | Y                                    | 1,51 |
| r <sub>a,max</sub> [mm] | 2.5 | Y <sub>0</sub>                       | 0,83 |
| r <sub>b,max</sub> [mm] | 2   |                                      |      |