

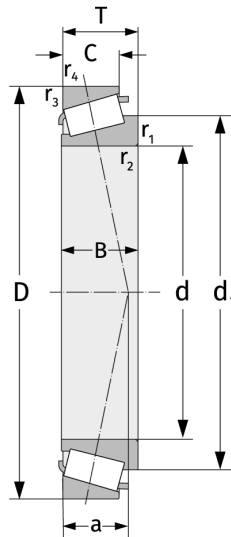
# 30324

Tapered Roller Bearings (single row, metric)



## Details:

| Main dimensions |        |                       |         |
|-----------------|--------|-----------------------|---------|
| d [mm]          | 120    | B [mm]                | 55      |
| D [mm]          | 260    | d <sub>1</sub> [mm]   | ≈ 180.5 |
| T [mm]          | 59.5   | r <sub>1,2</sub> [mm] | 4       |
| Weight [kg]     | ≈ 13.8 | r <sub>3,4</sub> [mm] | 3       |
| C [mm]          | 46     | a [mm]                | ≈ 48.3  |



| Mating dimensions       |      | Calculation data                     |      |
|-------------------------|------|--------------------------------------|------|
| d <sub>a,max</sub> [mm] | 152  | C [kN]                               | 565  |
| d <sub>b,min</sub> [mm] | 134  | C <sub>0</sub> [kN]                  | 700  |
| D <sub>a,min</sub> [mm] | 221  | C <sub>u</sub> [kN]                  | 70   |
| D <sub>a,max</sub> [mm] | 246  | n <sub>th</sub> [min <sup>-1</sup> ] | 2164 |
| D <sub>b,min</sub> [mm] | 237  | n <sub>g</sub> [min <sup>-1</sup> ]  | 2800 |
| C <sub>a,min</sub> [mm] | 8    | e                                    | 0,35 |
| C <sub>b,min</sub> [mm] | 13.5 | Y                                    | 1,74 |
| r <sub>a,max</sub> [mm] | 4    | Y <sub>0</sub>                       | 0,96 |
| r <sub>b,max</sub> [mm] | 3    |                                      |      |