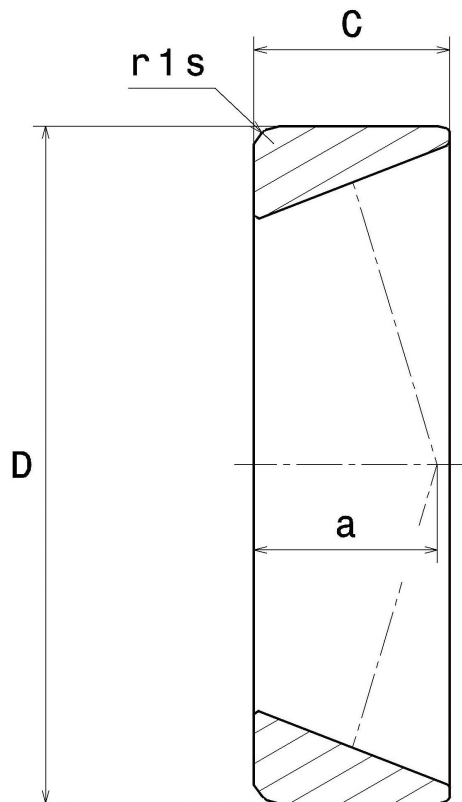


## PDF technical sheet 4T2523



### Single row tapered roller bearings cup



| Product definition |          |
|--------------------|----------|
| D                  | 2.7500 " |
| C                  | 0.7500 " |
| Brand              | NTN      |

#### Product performance

|                                             |        |
|---------------------------------------------|--------|
| Min operating temperature, T <sub>min</sub> | -40 °C |
| Max operating temperature, T <sub>max</sub> | 248 °C |



#### Abutment dimensions

|         |          |
|---------|----------|
| r1a max | 0.0512 " |
|---------|----------|

#### 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             | Y <sub>2</sub> |

##### Equivalent static radial load

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

| $X_0$ | $Y_0$          |
|-------|----------------|
| 0.5   | Y <sub>0</sub> |

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

The values for e, Y<sub>2</sub> and Y<sub>0</sub> are shown in the above table