

## PDF technical sheet 4TA6157



### Single row tapered roller bearings cup

| Product definition |          |
|--------------------|----------|
| D                  | 1.5745 " |
| C                  | 0.3750 " |
| Brand              | NTN      |



#### Product performance

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



#### Abutment dimensions

|              |          |
|--------------|----------|
| $r_{1a}$ max | 0.0512 " |
|--------------|----------|

#### Calculation factors

##### Equivalent dynamic radial load

$$P = X \cdot F_r + Y \cdot F_a$$

| $F_a / F_r \leq e$ |   | $F_a / F_r > e$ |                |
|--------------------|---|-----------------|----------------|
| X                  | Y | X               | Y              |
| 1                  | 0 | 0.4             | Y <sub>2</sub> |

##### Equivalent static radial load

$$P_0 = X_0 \cdot F_r + Y_0 \cdot F_a$$

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

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

The values for  $e$ ,  $Y_2$  and  $Y_0$  are shown in the above table