

## PDF technical sheet 4T03162



### Single row tapered roller bearings cup

| Product definition |          |
|--------------------|----------|
| D                  | 1.6250 " |
| C                  | 0.4375 " |
| Brand              | NTN      |



#### Product performance

|                                 |        |
|---------------------------------|--------|
| Min operating temperature, Tmin | -40 °C |
| Max operating temperature, Tmax | 248 °C |



#### Abutment dimensions

|         |          |
|---------|----------|
| r1a max | 0.0787 " |
|---------|----------|

#### Calculation factors

##### Equivalent dynamic radial load

$$P = X \cdot Fr + Y \cdot Fa$$

| $Fa / Fr \leq e$ |   | $Fa / Fr > e$ |    |
|------------------|---|---------------|----|
| X                | Y | X             | Y  |
| 1                | 0 | 0.4           | Y2 |

##### Equivalent static radial load

$$Po = Xo \cdot Fr + Yo \cdot Fa$$

| $Xo$ | $Yo$ |
|------|------|
| 0.5  | Y0   |

If  $Po < Fr$ , then use  $Po = Fr$

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