

## Technical data

4T-59412

Single row tapered roller bearings



Cup

### VISUAL (S)



# 4T-59412

Single row tapered roller bearings

## PRODUCT DEFINITION

|                              |            |
|------------------------------|------------|
| <b>Brand</b>                 | NTN        |
| <b>D - External diameter</b> | 104,775 mm |
| <b>C - Outer ring width</b>  | 28,575 mm  |

## PRODUCT PERFORMANCE

|                                     |   |
|-------------------------------------|---|
| <b>A2 - Rating life coefficient</b> | 1 |
|-------------------------------------|---|

## ABUTMENT

|                                          |        |
|------------------------------------------|--------|
| <b>Da max - Max shoulder diameter OR</b> | 92 mm  |
| <b>Db min - Min OR shoulder diameter</b> | 99 mm  |
| <b>r1a - Max fillet radius</b>           | 3,3 mm |



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INDUSTRY CALCUL 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             | Y2 |

Equivalent static radial load

$P_0 = X_0.F_r + Y_0.F_a$

| $X_0$ | $Y_0$ |
|-------|-------|
| 0.5   | Y0    |

If  $P_0 \leq F_r$ , then use  $P_0 = F_r$

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

