

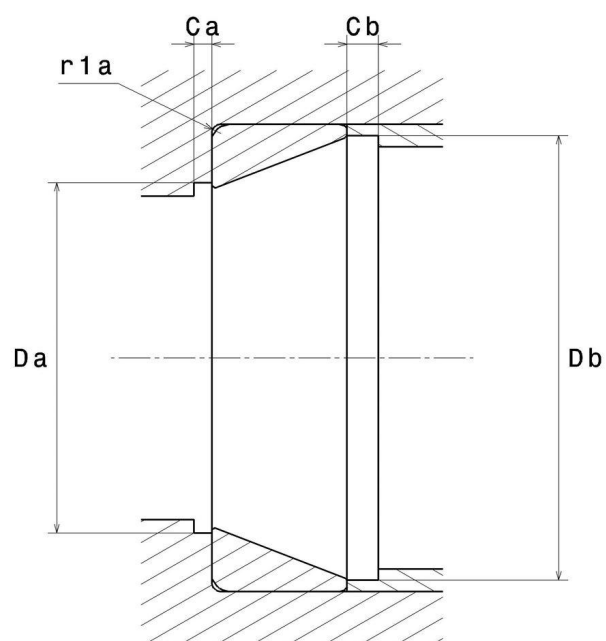
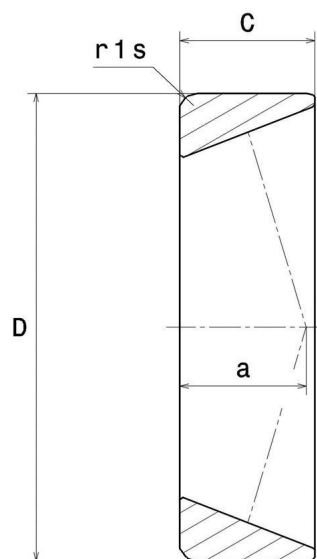
## Technical data

4T-JM205110PK

## Single row tapered roller bearings



## VISUAL (S)



# 4T-JM205110PK

Single row tapered roller bearings

## PRODUCT DEFINITION

|                              |          |
|------------------------------|----------|
| <b>Brand</b>                 | NTN      |
| <b>D - External diameter</b> | 90 mm    |
| <b>C - Outer ring width</b>  | 23 mm    |
| <b>Mass</b>                  | 0,245 kg |

## PRODUCT PERFORMANCE

|                                           |      |
|-------------------------------------------|------|
| <b>A2 - Rating life coefficient</b>       | 0    |
| <b>e - Coefficient</b>                    | 0.33 |
| <b>Y0 - Static axial load coefficient</b> | 1    |
| <b>Y2 - Upper axial load coefficient</b>  | 1.82 |

## ABUTMENT

|                                          |        |
|------------------------------------------|--------|
| <b>Da min - Min shoulder diameter OR</b> | 80 mm  |
| <b>Db min - Min OR shoulder diameter</b> | 85 mm  |
| <b>r1a - Max fillet radius</b>           | 2,5 mm |



### NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00  
S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072  
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

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

