



Technical data

4T-JM822049/JM822010

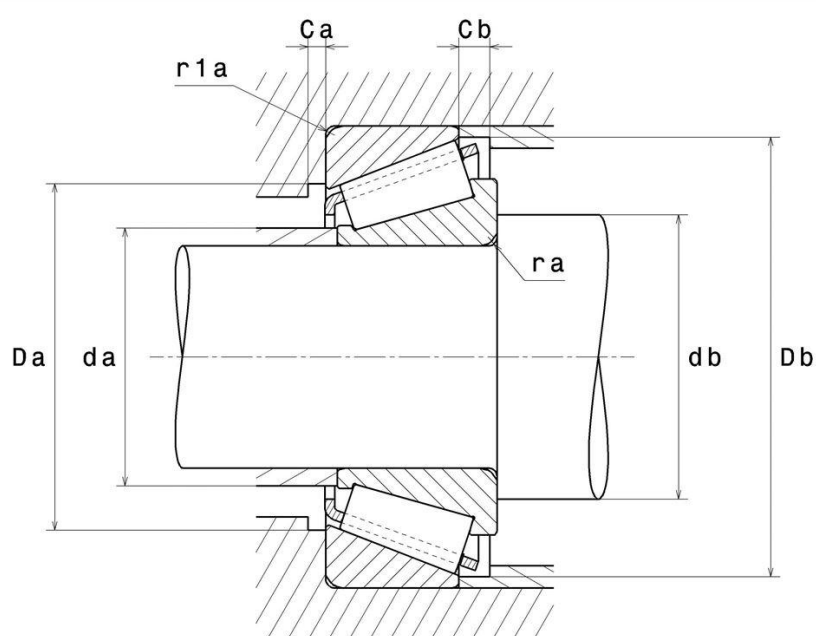
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

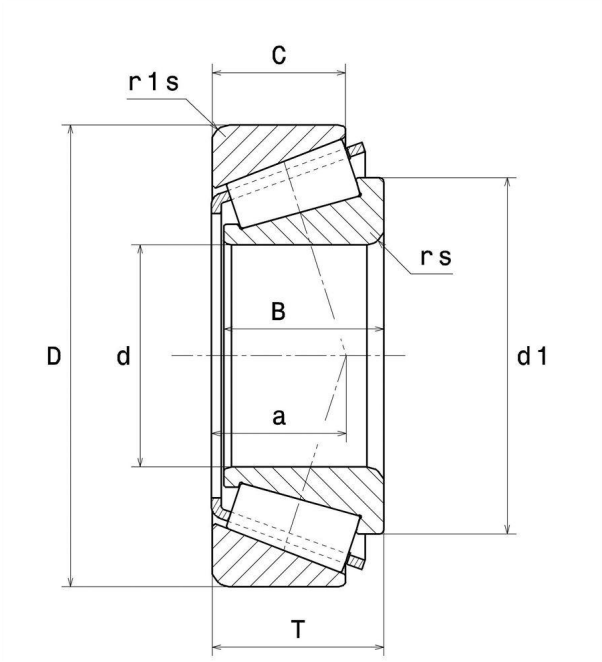
4T-JM822049, 4T-JM822010

VISUAL (S)



4T-JM822049/JM822010

Single row tapered roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	110 mm
D - External diameter	165 mm
B - Bearing/Inner ring width	35 mm
C - Outer ring width	26,5 mm
T - Total width	35 mm
d1 - External diameter inner ring	137,5 mm
a - Charge load application point	38 mm
Mass	2,52 kg

PRODUCT PERFORMANCE

C - Dynamic load	212 kN
C0 - Static load	315 kN
Cu - Fatigue limit load	35 kN



4T-JM822049/JM822010

Single row tapered roller bearings

PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.5
Y0 - Static axial load coefficient	0.66
Y2 - Upper axial load coefficient	1.21
N lim - Oil lubrication limit speed	2700 tr/min
N lim - Grease lubrication limit speed	2100 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	119 mm
db min - Min IR shoulder diameter	124 mm
Da max - Max shoulder diameter OR	149 mm
Db min - Min OR shoulder diameter	159 mm
ra max - Max fillet radius	3 mm
r1a - Max fillet radius	2,5 mm

KIT COMPONENT

Cone designation	4T-JM822049
Cup designation	4T-JM822010

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-JM822049/JM822010
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No



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

ESHOPDONOTDISPLAY

Rolling element material

Acier de cémentation

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

$P_o = X_o.F_r + Y_o.F_a$

X_o	Y_o
0.5	Y0

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

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

