



Technical data

4T-JM822049/JM822010PK

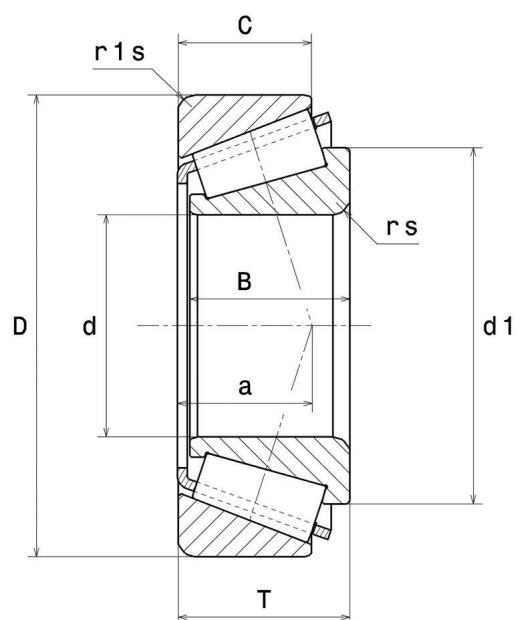
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

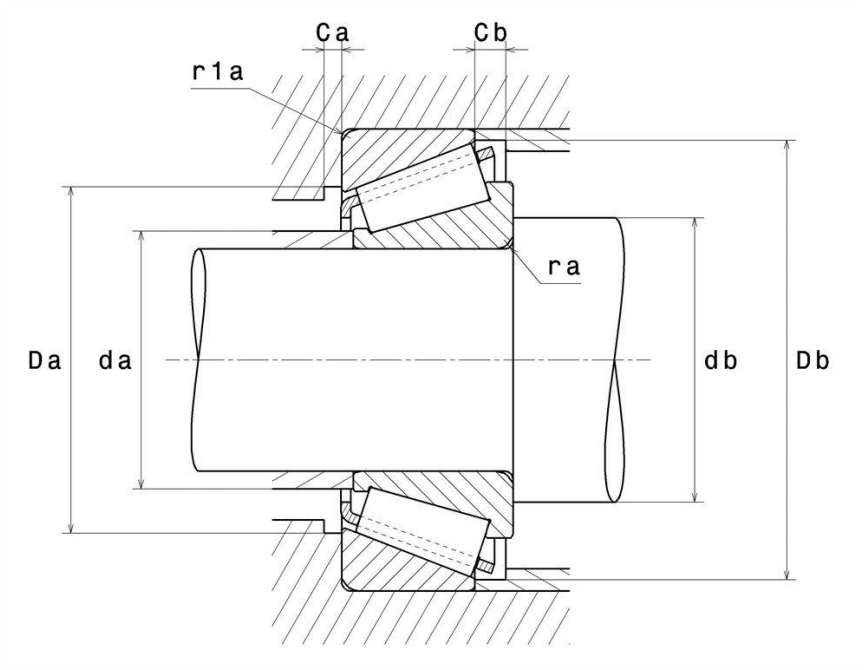
KIT CONTENT

4T-JM822049PK, 4T-JM822010PK

VISUAL (S)



4T-JM822049/JM822010PK
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
a - Charge load application point	38 mm
rs - Min fillet radius	3 mm
r1s - Min fillet radius	2,5 mm
Mass	2,52 kg

PRODUCT PERFORMANCE

C - Dynamic load	212 kN
C0 - Static load	315 kN



4T-JM822049/JM822010PK

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	159 mm
Db min - Min OR shoulder diameter	149 mm
ra max - Max fillet radius	3 mm
r1a - Max fillet radius	2,5 mm

KIT COMPONENT

Cone designation	4T-JM822049PK
Cup designation	4T-JM822010PK

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-JM822049/JM822010PK
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No



NTN Europe

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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

