Technical data

4T-JM205149/JM205110

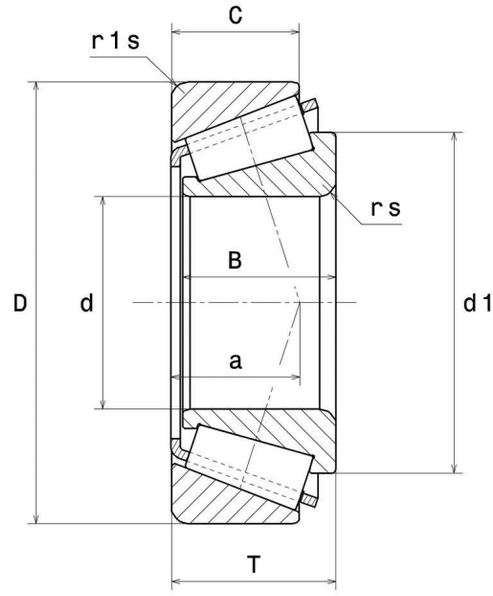
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-JM205149, 4T-JM205149/JM205110

VISUAL (S)



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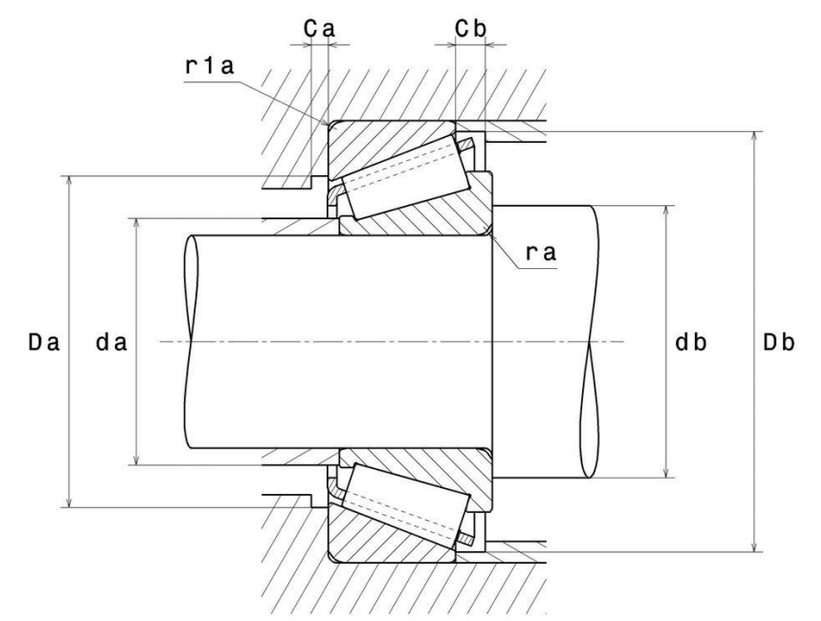
S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

4T-JM205149/JM205110

Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	50 mm
D - External diameter	90 mm
B - Bearing/Inner ring width	28 mm
C - Outer ring width	23 mm
T - Total width	28 mm
d1 - External diameter inner ring	69 mm
a - Charge load application point	20,6 mm
Mass	0,755 kg

PRODUCT PERFORMANCE	
C - Dynamic load	118 kN
C0 - Static load	141 kN
Cu - Fatigue limit load	17,2 kN

PRODUCT PERFORMANCE	
A2 - Rating life coefficient	1
e - Coefficient	0.33
Y0 - Static axial load coefficient	1
Y2 - Upper axial load coefficient	1.82
N lim - Oil lubrication limit speed	5400 tr/min
N lim - Grease lubrication limit speed	4100 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT	
da max - Max shoulder diameter IR	57 mm
db min - Min IR shoulder diameter	62 mm
Da max - Max shoulder diameter OR	80 mm
Db min - Min OR shoulder diameter	85 mm
ra max - Max fillet radius	3 mm
r1a - Max fillet radius	2,5 mm

KIT COMPONENT	
Cone designation	4T-JM205149
Cup designation	4T-JM205110

ESHOPDONOTDISPLAY	
Tracepart	Oui/Yes
Reference	4T-JM205149/JM205110
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No

ESHOPDONOTDISPLAY

Rolling element material	Acier de cémentation

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
0.5	Y0

If Po <Fr, then use Po = Fr

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