

Technical data

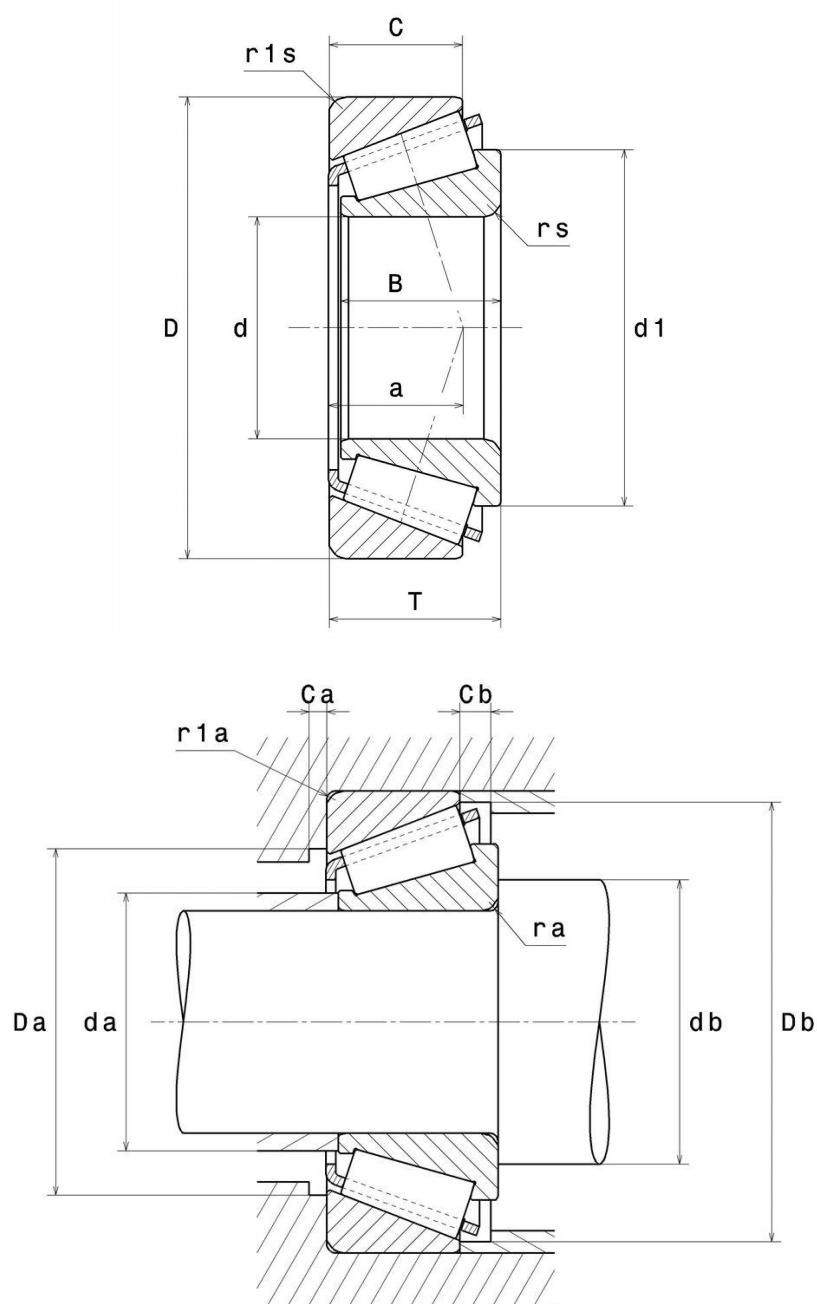
4T-33115

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

VISUAL (S)



4T-33115

Single row tapered roller bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	75 mm
D - External diameter	125 mm
B - Bearing/Inner ring width	37 mm
C - Outer ring width	29 mm
T - Total width	37 mm
a - Charge load application point	29 mm
rs - Min fillet radius	2 mm
r1s - Min fillet radius	1,5 mm
Mass	1,74 kg
ISO 355 reference	T3DE075

PRODUCT PERFORMANCE

C - Dynamic load	188000000 mN
C0 - Static load	252000000 mN
A2 - Rating life coefficient	1
e - Coefficient	0.4
Y0 - Static axial load coefficient	0.83
Y2 - Upper axial load coefficient	1.51
N lim - Oil lubrication limit speed	22800 °/s
N lim - Grease lubrication limit speed	17400 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K



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

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ABUTMENT

da max - Max shoulder diameter IR	85 mm
db min - Min IR shoulder diameter	84 mm
Da min - Min shoulder diameter OR	106 mm
Da max - Max shoulder diameter OR	116,5 mm
Db min - Min OR shoulder diameter	121,5 mm
ra max - Max fillet radius	2 mm
r1a - Max fillet radius	1,5 mm

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



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