



Technical data

4T-623/612

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

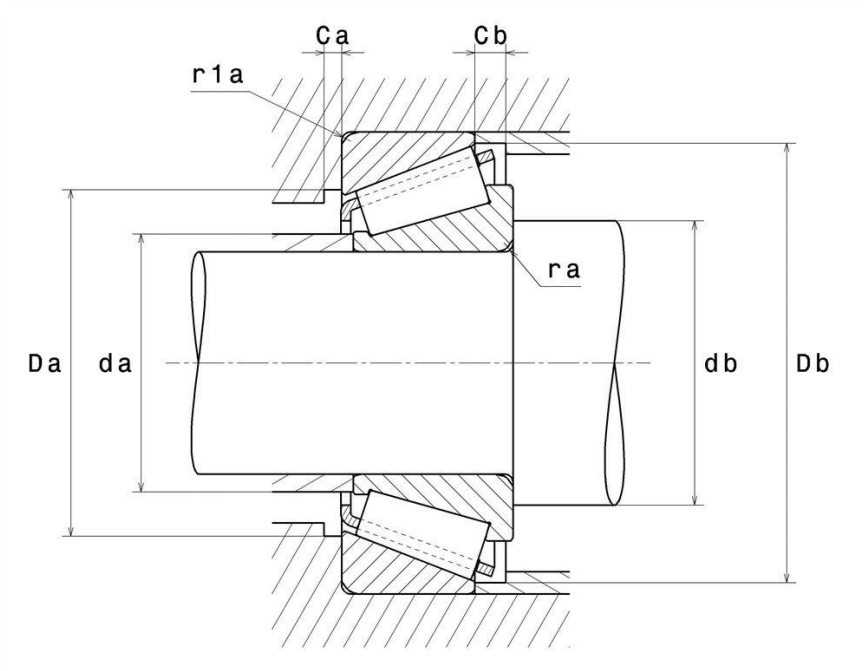
4T-612, 4T-623

VISUAL (S)



4T-623/612

Single row tapered roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	57,15 mm
D - External diameter	120,65 mm
B - Bearing/Inner ring width	41,275 mm
C - Outer ring width	31,75 mm
T - Total width	41,275 mm
d1 - External diameter inner ring	84 mm
a - Charge load application point	26,875 mm
rs - Min fillet radius	3,5 mm
r1s - Min fillet radius	3,3 mm
Mass	2,13 kg

PRODUCT PERFORMANCE

C - Dynamic load	190 kN
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PRODUCT PERFORMANCE

C0 - Static load	213 kN
Cu - Fatigue limit load	26 kN
A2 - Rating life coefficient	1
e - Coefficient	0.31
Y0 - Static axial load coefficient	1.05
Y2 - Upper axial load coefficient	1.91
N lim - Oil lubrication limit speed	4400 tr/min
N lim - Grease lubrication limit speed	3300 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	66 mm
db min - Min IR shoulder diameter	72 mm
Da max - Max shoulder diameter OR	105 mm
Db min - Min OR shoulder diameter	110 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	3,3 mm

KIT COMPONENT

Cone designation	4T-623
Cup designation	4T-612

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-623/612



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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ESHOPDONOTDISPLAY

Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No
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

$$P_0 = X_0.F_r + Y_0.F_a$$

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



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