



Technical data

4T-42687/42620

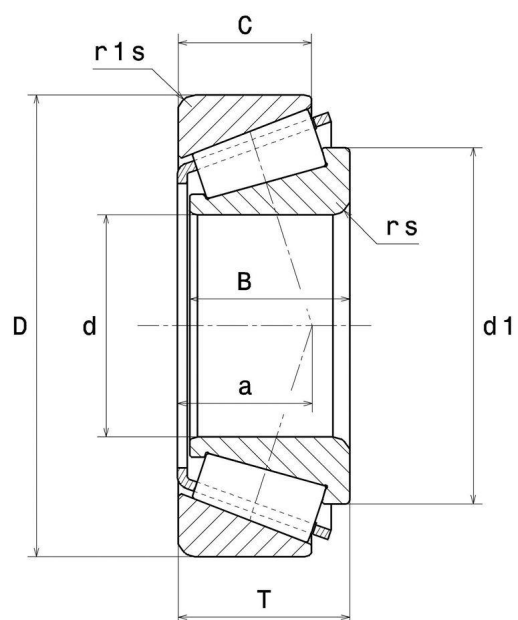
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

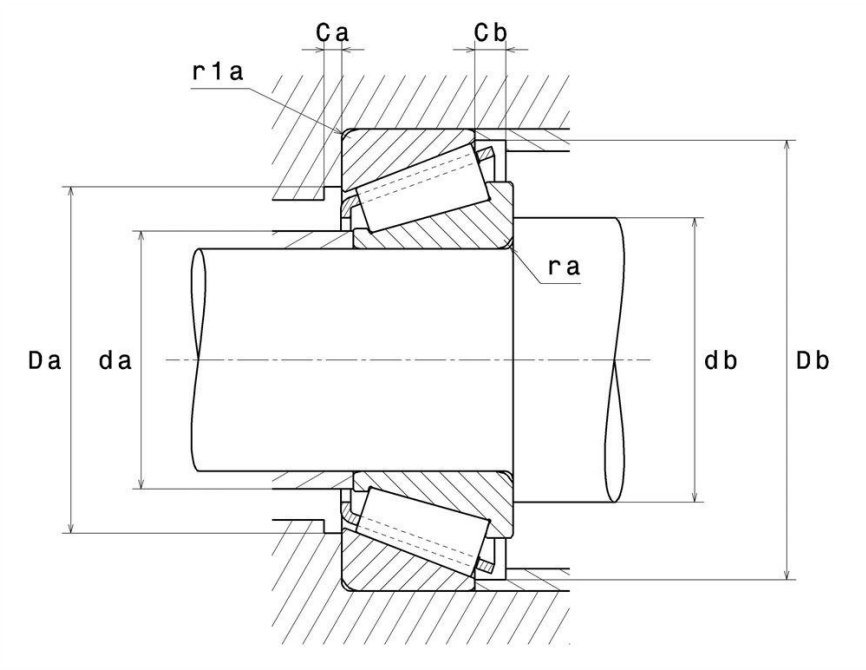
KIT CONTENT

4T-42687, 4T-42620

VISUAL (S)



4T-42687/42620
Single row tapered roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	76,2 mm
D - External diameter	127 mm
B - Bearing/Inner ring width	31 mm
C - Outer ring width	22,225 mm
T - Total width	30,162 mm
d1 - External diameter inner ring	102 mm
a - Charge load application point	27,362 mm
rs - Min fillet radius	3,5 mm
r1s - Min fillet radius	3,3 mm
Mass	1,46 kg

PRODUCT PERFORMANCE

C - Dynamic load	150 kN
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4T-42687/42620

Single row tapered roller bearings

PRODUCT PERFORMANCE

C0 - Static load	194 kN
Cu - Fatigue limit load	23,5 kN
A2 - Rating life coefficient	1
e - Coefficient	0.42
Y0 - Static axial load coefficient	0.79
Y2 - Upper axial load coefficient	1.43
N lim - Oil lubrication limit speed	3700 tr/min
N lim - Grease lubrication limit speed	2800 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	84 mm
db min - Min IR shoulder diameter	90 mm
Da max - Max shoulder diameter OR	114 mm
Db min - Min OR shoulder diameter	121 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	3,3 mm

KIT COMPONENT

Cone designation	4T-42687
Cup designation	4T-42620

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-42687/42620



NTN Europe

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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
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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

