

Technical data

4T-33207

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

VISUAL (S)



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	35 mm
D - External diameter	72 mm
B - Bearing/Inner ring width	28 mm
C - Outer ring width	22 mm
T - Total width	28 mm
d1 - External diameter inner ring	53,5 mm
a - Charge load application point	18,5 mm
rs - Min fillet radius	1,5 mm
r1s - Min fillet radius	1,5 mm
Mass	0,539 kg
ISO 355 reference	T2DE035

PRODUCT PERFORMANCE

C - Dynamic load	97 kN
C0 - Static load	109 kN
Cu - Fatigue limit load	13,3 kN
A2 - Rating life coefficient	1
e - Coefficient	0.35
Y0 - Static axial load coefficient	0.93
Y2 - Upper axial load coefficient	1.7
N lim - Oil lubrication limit speed	7400 tr/min
N lim - Grease lubrication limit speed	5500 tr/min
Tmin - Min operating temperature	-40 °C



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PRODUCT PERFORMANCE

Tmax - Max operating temperature

120 °C

ABUTMENT

da max - Max shoulder diameter IR

42 mm

db min - Min IR shoulder diameter

43,5 mm

Da min - Min shoulder diameter OR

61 mm

Da max - Max shoulder diameter OR

63,5 mm

Db min - Min OR shoulder diameter

68 mm

Ca - Min clearance

5 mm

Cb - Min clearance

6 mm

ra max - Max fillet radius

1,5 mm

r1a - Max fillet radius

1,5 mm

ESHOPDONOTDISPLAY

Tracepart

Oui/Yes

Reference

4T-33207

Image

TRB_1.jpg, TRB_2.jpg, TRB_3.jpg

ULTAGE

Non/No

Rolling element material

Acier de cémentation



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
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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

