

Technical data

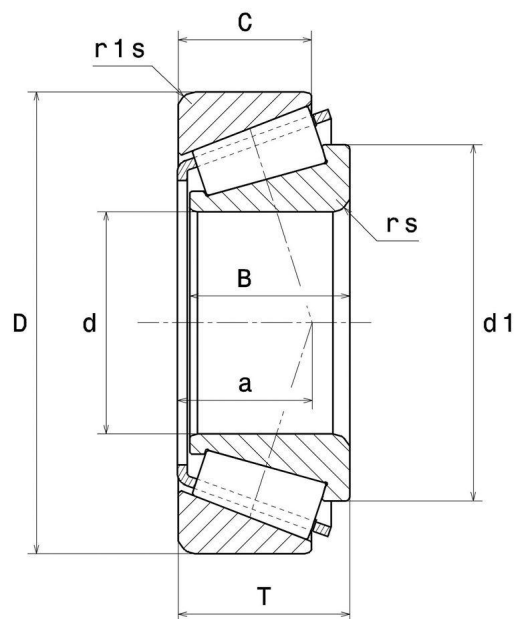
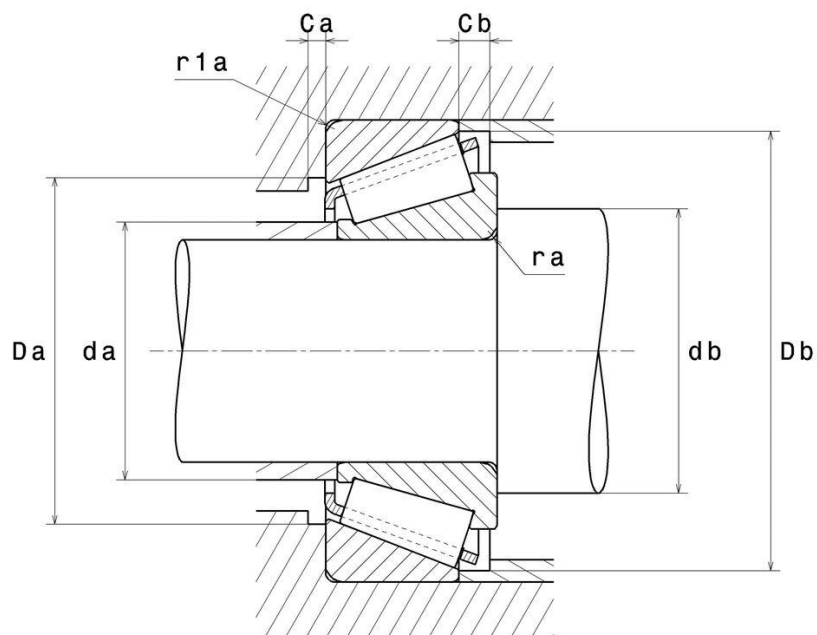
4T-33208

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

VISUAL (S)



4T-33208

Single row tapered roller bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	40 mm
D - External diameter	80 mm
B - Bearing/Inner ring width	32 mm
C - Outer ring width	25 mm
T - Total width	32 mm
d1 - External diameter inner ring	60 mm
a - Charge load application point	21 mm
rs - Min fillet radius	1,5 mm
r1s - Min fillet radius	1,5 mm
Mass	0,738 kg
ISO 355 reference	T2DE040

PRODUCT PERFORMANCE

C - Dynamic load	115 kN
C0 - Static load	132 kN
Cu - Fatigue limit load	16,1 kN
A2 - Rating life coefficient	1
e - Coefficient	0.36
Y0 - Static axial load coefficient	0.92
Y2 - Upper axial load coefficient	1.68
N lim - Oil lubrication limit speed	6600 tr/min
N lim - Grease lubrication limit speed	4900 tr/min
Tmin - Min operating temperature	-40 °C



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
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

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PRODUCT PERFORMANCE

Tmax - Max operating temperature	120 °C
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ABUTMENT

da max - Max shoulder diameter IR	47 mm
db min - Min IR shoulder diameter	48,5 mm
Da min - Min shoulder diameter OR	67 mm
Da max - Max shoulder diameter OR	71,5 mm
Db min - Min OR shoulder diameter	76 mm
Ca - Min clearance	5 mm
Cb - Min clearance	7 mm
ra max - Max fillet radius	1,5 mm
r1a - Max fillet radius	1,5 mm

OE EQUIVALENTS

Manufacturer	Part number
Iveco	1903646 1905261 8582739
Scania	284843
Volvo	1652127 184679 3094303
ZF	0635 376 023 0735 300 509 0735 371 749 0750 118 511



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INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = X \cdot Fr + Y \cdot Fa$$

$Fa / Fr \leq e$		$Fa / Fr > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$$P_0 = X_0 \cdot Fr + Y_0 \cdot Fa$$

X_0	Y_0
0.5	Y0

If $P_0 \leq Fr$, then use $P_0 = Fr$

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

