

Technical data

4T-33208

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



VISUAL (S)



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	115000000 mN
C0 - Static load	132000000 mN
Cu - Fatigue limit load	16100000 mN
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	39600 °/s
N lim - Grease lubrication limit speed	29400 °/s
Tmin - Min operating temperature	233,15 °K



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PRODUCT PERFORMANCE

Tmax - Max operating temperature	393,15 °K
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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



NTN Europe

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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

