

Technical data

4T-30313D

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



VISUAL (S)



4T-30313D

Single row tapered roller bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	65 mm
D - External diameter	140 mm
B - Bearing/Inner ring width	33 mm
C - Outer ring width	23 mm
T - Total width	36 mm
d1 - External diameter inner ring	104 mm
a - Charge load application point	44 mm
rs - Min fillet radius	3 mm
r1s - Min fillet radius	2,5 mm
Mass	2,41 kg
ISO 355 reference	T7GB065

PRODUCT PERFORMANCE

C - Dynamic load	192000000 mN
C0 - Static load	204000000 mN
Cu - Fatigue limit load	24700000 mN
A2 - Rating life coefficient	1
e - Coefficient	0.83
Y0 - Static axial load coefficient	0.4
Y2 - Upper axial load coefficient	0.73
N lim - Oil lubrication limit speed	19800 °/s
N lim - Grease lubrication limit speed	15000 °/s
Tmin - Min operating temperature	233,15 °K



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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PRODUCT PERFORMANCE

Tmax - Max operating temperature	393,15 °K
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ABUTMENT

da max - Max shoulder diameter IR	79 mm
db min - Min IR shoulder diameter	79 mm
Da min - Min shoulder diameter OR	111 mm
Da max - Max shoulder diameter OR	128 mm
Db min - Min OR shoulder diameter	133 mm
Ca - Min clearance	4 mm
Cb - Min clearance	13 mm
ra max - Max fillet radius	2,5 mm
r1a - Max fillet radius	2 mm

OE EQUIVALENTS

Manufacturer	Part number
DAF	0384810
MAN	06.32490-5900 06.32499.0022 06.32499.0088
Mercedes	001 980 0502 002 981 4505 003 981 0605 009 981 8905 013 981 6205 018 981 9205 9429810405
Scania	129289
ZF	0635 375 007 0735 370 298 0735 372 213 0735.370.866 0750 117 332 0750 117 529



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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

