

Technical data

30216U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



VISUAL (S)



30216U

Single row tapered roller bearings

PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	80 mm
D - External diameter	140 mm
B - Bearing/Inner ring width	26 mm
C - Outer ring width	22 mm
T - Total width	28,25 mm
d1 - External diameter inner ring	106,5 mm
a - Charge load application point	27,5 mm
rs - Min fillet radius	2,5 mm
r1s - Min fillet radius	2 mm
Mass	1,71 kg
ISO 355 reference	T3EB080

PRODUCT PERFORMANCE	
C - Dynamic load	177000000 mN
C0 - Static load	200000000 mN
Cu - Fatigue limit load	23700000 mN
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	20400 °/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

PRODUCT PERFORMANCE

Tmax - Max operating temperature	393,15 °K
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ABUTMENT

da max - Max shoulder diameter IR	91 mm
db min - Min IR shoulder diameter	92 mm
Da min - Min shoulder diameter OR	124 mm
Da max - Max shoulder diameter OR	130 mm
Db min - Min OR shoulder diameter	132 mm
Ca - Min clearance	4 mm
Cb - Min clearance	6 mm
ra max - Max fillet radius	2 mm
r1a - Max fillet radius	2 mm

OE EQUIVALENTS

Manufacturer	Part number
Fiat	1126121
Kassbohrer	6.691.128.000
Mercedes	001 981 8505 002 981 02 05 009 981 0605 009 981 1005 009 981 4705 009 981 62 05

AUTOMOTIVE COMPATIBILITY

Brand	Model	Generation	Date	Location	Position
Iveco	MK	MK	01/1983 => 12/1991		Rear



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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

