

Technical data

32312U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



VISUAL (S)



32312U

Single row tapered roller bearings

PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	60 mm
D - External diameter	130 mm
B - Bearing/Inner ring width	46 mm
C - Outer ring width	37 mm
T - Total width	48,5 mm
d1 - External diameter inner ring	93 mm
a - Charge load application point	32 mm
rs - Min fillet radius	3 mm
r1s - Min fillet radius	2,5 mm
Mass	3,01 kg
ISO 355 reference	T2FD060

PRODUCT PERFORMANCE	
C - Dynamic load	271 kN
C0 - Static load	315 kN
Cu - Fatigue limit load	38,5 kN
A2 - Rating life coefficient	1
e - Coefficient	0.35
Y0 - Static axial load coefficient	0.96
Y2 - Upper axial load coefficient	1.74
N lim - Oil lubrication limit speed	4000 tr/min
N lim - Grease lubrication limit speed	3000 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

ABUTMENT

da max - Max shoulder diameter IR

74 mm

db min - Min IR shoulder diameter

74 mm

Da min - Min shoulder diameter OR

107 mm

Da max - Max shoulder diameter OR

118 mm

Db min - Min OR shoulder diameter

120 mm

Ca - Min clearance

4 mm

Cb - Min clearance

11,5 mm

ra max - Max fillet radius

2,5 mm

r1a - Max fillet radius

2 mm



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INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.F_r + Y.F_a$

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$P_0 = X_0.F_r + Y_0.F_a$

X0	Y0
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

