



Technical data

6017.C3

Single row deep groove ball bearings

Deep groove ball bearing, radial contact, pressed steel cage, open

VISUAL (S)



6017.C3

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	85 mm
D - External diameter	130 mm
B - Bearing/Inner ring width	22 mm
rs - Min fillet radius	1,1 mm
Radial clearance class	C3
Mass	0,89 kg

PRODUCT PERFORMANCE

C - Dynamic load	55000000 mN
C0 - Static load	43000000 mN
Cu - Fatigue limit load	3000000 mN
f0 - Coefficient	15.8
N lim - Oil lubrication limit speed	35400 °/s
N lim - Grease lubrication limit speed	30000 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	91,5 mm
Da max - Max shoulder diameter OR	123,5 mm
ra max - Max shaft & housing fillet radius	1 mm

OE EQUIVALENTS

Manufacturer	Part number
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NTN Europe

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

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OE EQUIVALENTS

Manufacturer	Part number
ZF	0750.116.269

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

$\frac{f_0 F_a}{C_0}$	e	Fa / Fr ≤ e		Fa / Fr > e	
		X	Y	X	Y
0.172	0.19	1	0	0.56	2.3
0.345	0.22				1.99
0.689	0.26				1.71
1.03	0.28				1.55
1.38	0.3				1.45
2.07	0.34				1.31
3.45	0.38				1.15
5.17	0.42				1.04
6.89	0.44				1

Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

X_0	Y_0
0.6	0.5

For single or DT bearing arrangement :

If $P_0 < F_r$, then use $P_0 = F_r$



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