

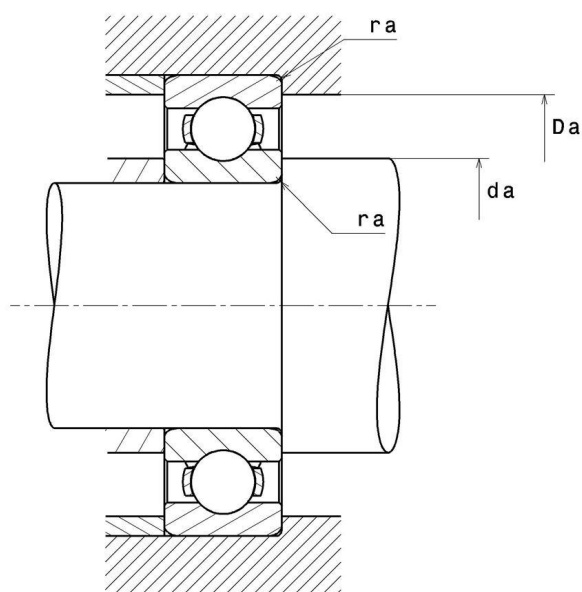
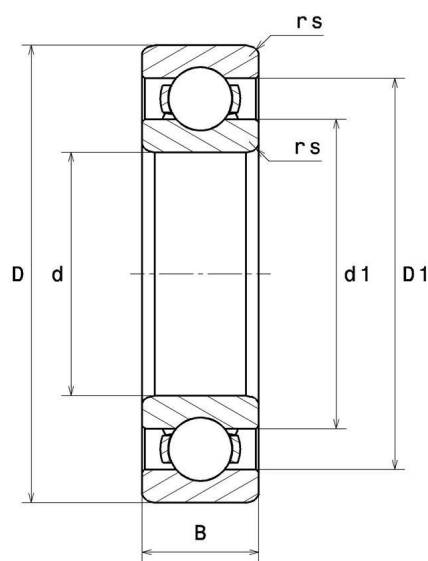
Technical data

6032C3

Single row deep groove ball bearings

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

VISUAL (S)



6032C3

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	160 mm
D - External diameter	240 mm
B - Bearing/Inner ring width	38 mm
rs - Min fillet radius	2,1 mm
Radial clearance class	C3
Mass	5,05 kg

PRODUCT PERFORMANCE

C - Dynamic load	158 kN
C0 - Static load	144 kN
Cu - Fatigue limit load	7,3 kN
f0 - Coefficient	15.9
Nlim - Oil lubrication limit speed	3000 tr/min
Nlim - Grease lubrication limit speed	2600 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da min - Min shoulder diameter IR	171 mm
Da max - Max shoulder diameter OR	229 mm
ra max - Max shaft & housing fillet radius	2 mm

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 $P_0 = F_r$