



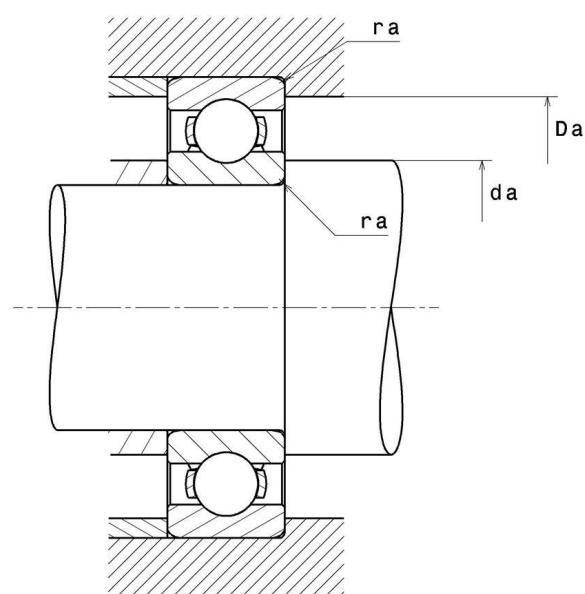
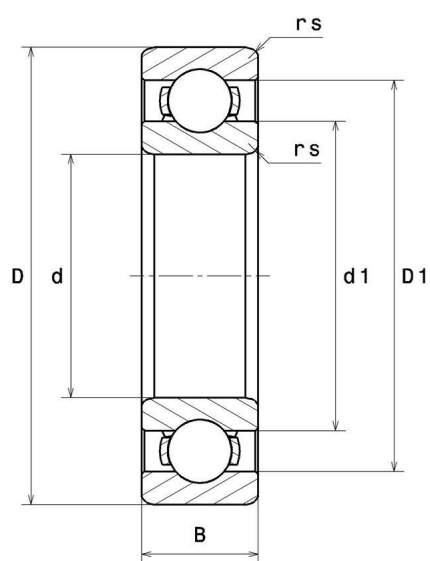
Technical data

6212.C3

Single row deep groove ball bearings

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

VISUAL (S)



6212.C3

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	60 mm
D - External diameter	110 mm
B - Bearing/Inner ring width	22 mm
rs - Min fillet radius	1,5 mm
Radial clearance class	C3
Mass	0,783 kg

PRODUCT PERFORMANCE

C - Dynamic load	58000000 mN
C0 - Static load	36000000 mN
Cu - Fatigue limit load	2830000 mN
f0 - Coefficient	14.3
N lim - Oil lubrication limit speed	42000 °/s
N lim - Grease lubrication limit speed	36000 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	68 mm
Da max - Max shoulder diameter OR	102 mm
ra max - Max shaft & housing fillet radius	1,5 mm

OE EQUIVALENTS

Manufacturer	Part number
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NTN Europe

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OE EQUIVALENTS

Manufacturer	Part number
ZF	0750.116.388

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = X \cdot F_r + Y \cdot F_a$$

$\frac{f_0 F_a}{C_0}$	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

$$P_0 = X_0 \cdot F_r + Y_0 \cdot F_a$$

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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