

Technical data

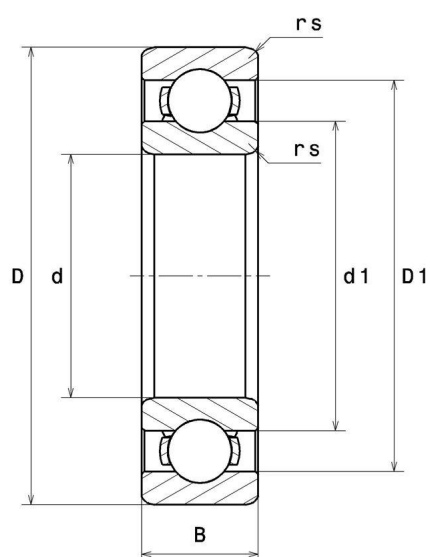
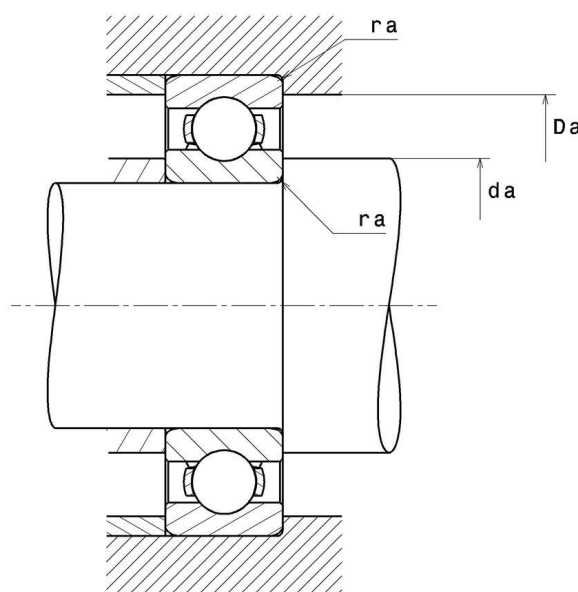
6208CM

Single row deep groove ball bearings



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

VISUAL (S)



6208CM

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	40 mm
D - External diameter	80 mm
B - Bearing/Inner ring width	18 mm
rs - Min fillet radius	1,1 mm
Radial clearance class	CM
Mass	0,366 kg

PRODUCT PERFORMANCE

C - Dynamic load	32500000 mN
C0 - Static load	17800000 mN
Cu - Fatigue limit load	1240000 mN
f0 - Coefficient	14
N lim - Oil lubrication limit speed	60000 °/s
N lim - Grease lubrication limit speed	52200 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	46,5 mm
Da max - Max shoulder diameter OR	73,5 mm
ra max - Max shaft & housing fillet radius	1 mm



NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00
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INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = X.Fr + Y.Fa$$

$\frac{f_0 F_a}{C_0}$	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

$$Po = X_0.Fr + Y_0.Fa$$

X_0	Y_0
0.6	0.5

For single or DT bearing arrangement :

If Po ≤Fr, then use Po = Fr