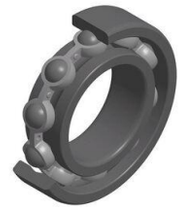
Technical data

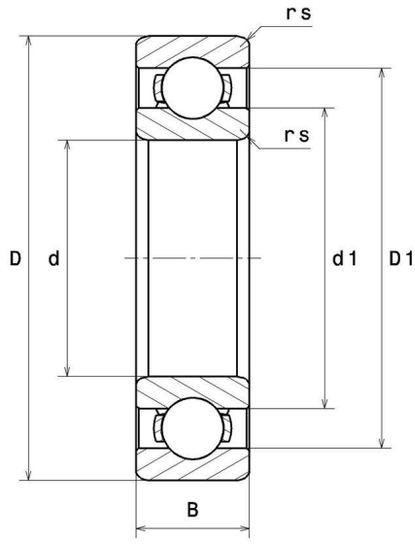
6030C3

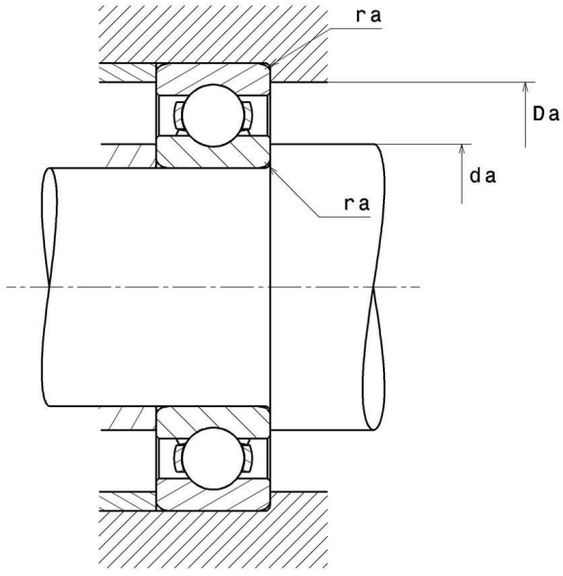
Single row deep groove ball bearings



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

VISUAL (S)





6030C3
Single row deep groove ball bearings

PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	150 mm
D - External diameter	225 mm
B - Bearing/Inner ring width	35 mm
rs - Min fillet radius	2,1 mm
Radial clearance class	C3
Mass	4,08 kg

PRODUCT PERFORMANCE	
C - Dynamic load	139 kN
C0 - Static load	126 kN
Cu - Fatigue limit load	6,55 kN
f0 - Coefficient	15.9
Nlim - Oil lubrication limit speed	3200 tr/min
Nlim - Grease lubrication limit speed	2800 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT	
da min - Min shoulder diameter IR	161 mm
Da max - Max shoulder diameter OR	214 mm
ra max - Max shaft & housing fillet radius	2 mm

6030C3
Single row deep groove ball bearings

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 = Xo.Fr + Yo.Fa

X_0	Y_0
0.6	0.5

For single or DT bearing arrangement :

If Po <Fr, then use Po = Fr