



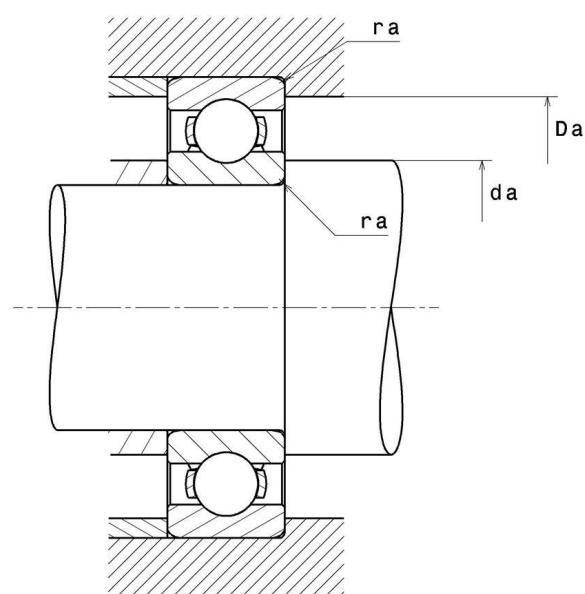
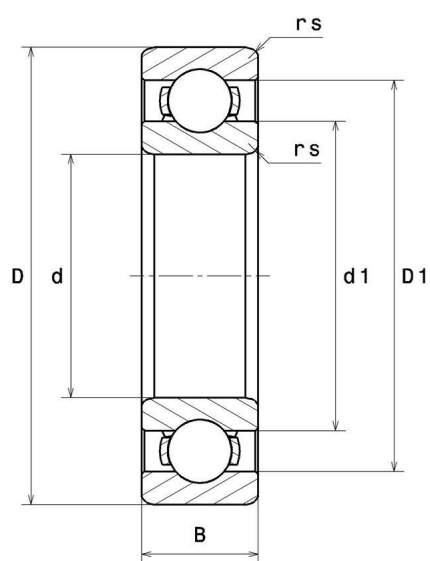
Technical data

16015

Single row deep groove ball bearings

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

VISUAL (S)



16015

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	75 mm
D - External diameter	115 mm
B - Bearing/Inner ring width	13 mm
rs - Min fillet radius	0,6 mm
Radial clearance class	CN
Mass	0,464 kg

PRODUCT PERFORMANCE

C - Dynamic load	27600000 mN
C0 - Static load	24000000 mN
Cu - Fatigue limit load	1600000 mN
f0 - Coefficient	16.6
N lim - Oil lubrication limit speed	40200 °/s
N lim - Grease lubrication limit speed	34200 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	79 mm
Da max - Max shoulder diameter OR	111 mm
ra max - Max shaft & housing fillet radius	0,6 mm



NTN Europe

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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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