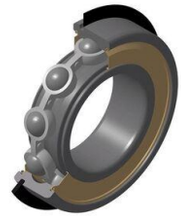


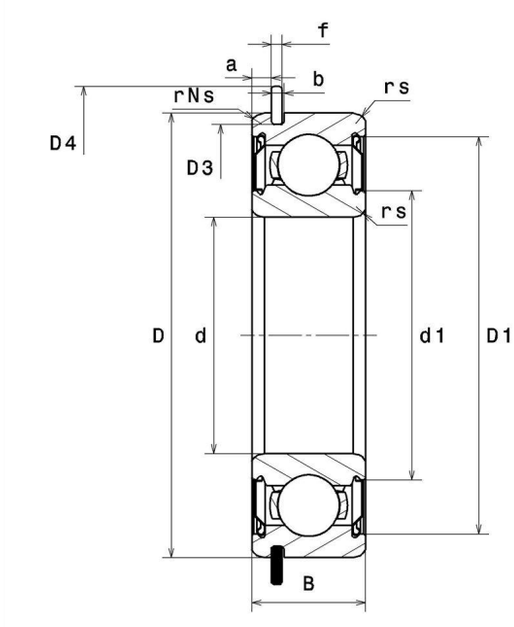
Technical data

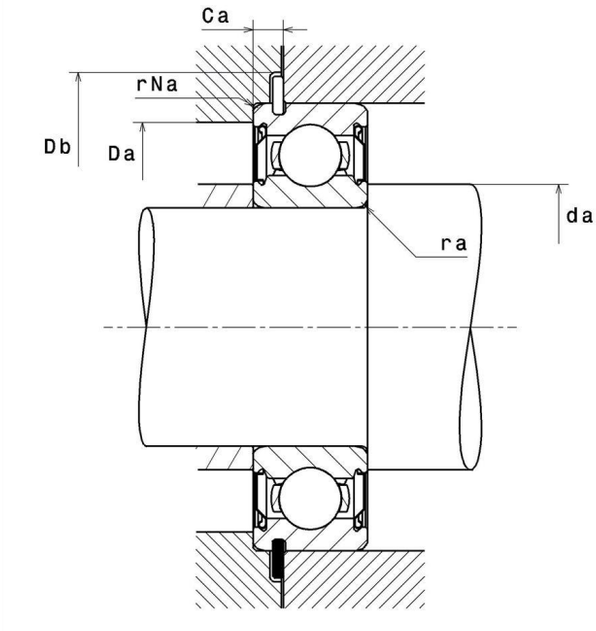
6204ZZNR/2AS

Single row deep groove ball bearings

Deep groove ball bearing, radial contact, pressed steel cage, snap ring & groove on outer diameter, shields on both sides

VISUAL (S)





6204ZZNR/2AS
Single row deep groove ball bearings

PRODUCT DIMENSIONS	
Internal diameter (d)	20 mm
External diameter (D)	47 mm
Bearing/Inner ring width (B)	14 mm
Min position Groove a min	2,31 mm
Max position groove a max	2,46 mm
Mini segment position Ca min	3,33 mm
Max segment position Ca max	3,58 mm
Min fillet radius (rs)	1 mm
Min fillet radius rNs	0,5 mm
Max bottom groove diameter D3	44,6 mm
Min groove width b min	1,35 mm
Max groove width b max	1,65 mm
Max bottom groove radius r0 max	0,4 mm
Max outside diameter of assembled stop ring D4 max	52,7 mm
Stop ring thickness f	1,12 mm
Snap ring reference	R47
Radial clearance class	CN
Mass	0,106 kg
Brand	NTN

PRODUCT PERFORMANCE	
Dynamic load (C)	14,2 kN
Static load (C0)	6,65 kN
Fatigue limit load (Cu)	0,505 kN

6204ZZNR/2AS
Single row deep groove ball bearings

PRODUCT PERFORMANCE	
Coefficient f0	13.2
Nlim (grease)	16000 tr/min
Min operating temperature (Tmin)	-25 °C
Max operating temperature (Tmax)	120 °C

ABUTMENT	
Min shoulder diameter IR (da min)	25 mm
Max shoulder diameter OR (Da max)	42 mm
Max shaft & housing fillet radius (ra max)	1 mm
Max fillet radius on segment side rNa max	0,5 mm
Min stop ring position diameter Db min	53,5 mm

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