

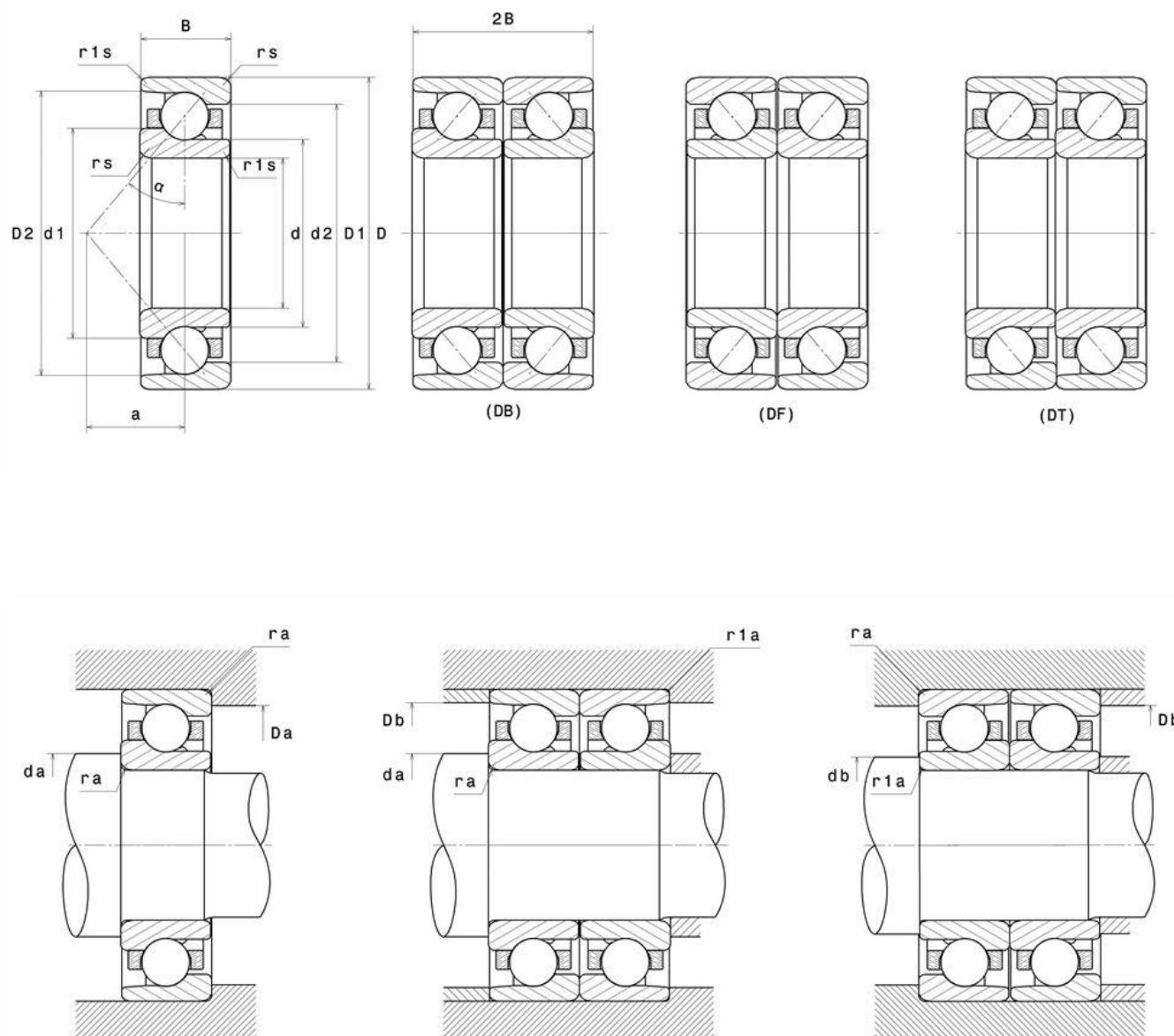


Technical data

7226BG

Single row or matched pairs of angular contact ball bearings

VISUAL (S)



7226BG

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PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	130 mm
D - External diameter	230 mm
B - Bearing/Inner ring width	40 mm
a - Charge load application point	95,5 mm
- Contact angle	40 °
rs - Min fillet radius	3 mm
r1s - Min fillet radius	1,1 mm
Radial clearance class	CN
Mass	6,95 kg

PRODUCT PERFORMANCE

C - Dynamic load	196000000 mN
C0 - Static load	180000000 mN
Cu - Fatigue limit load	10000000 mN
N lim - Oil lubrication limit speed	20400 °/s
N lim - Grease lubrication limit speed	15000 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	144 mm
Da max - Max shoulder diameter OR	216 mm
Db max - Max OR shoulder diameter	223 mm
r1a - Max fillet radius	1 mm



NTN Europe

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S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072
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ABUTMENT

ra max - Max shaft & housing fillet radius

2,5 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

P = X.Fr + Y.Fa

	e	Single or DT bearing arrangement				DB or DF arrangement			
		Fa / Fr ≤ e		Fa / Fr > e		Fa / Fr ≤ e		Fa / Fr > e	
		X	Y	X	Y	X	Y	X	Y
30°	0.8	1	0	0.9	0.76	1	0.78	0.63	1.24
40°	1.14			0.35	0.57		0.55	0.57	0.93

Equivalent static radial load

P0 = X0.Fr + Y0.Fa

a	Single or DT bearing arrangement		DB or DF arrangement	
	X0	Y0	X0	Y0
30°	0.5	0.33	1	0.66
40°		0.26		0.52

For single or DT bearing arrangement :

If P0 <Fr, then use P0 = Fr