



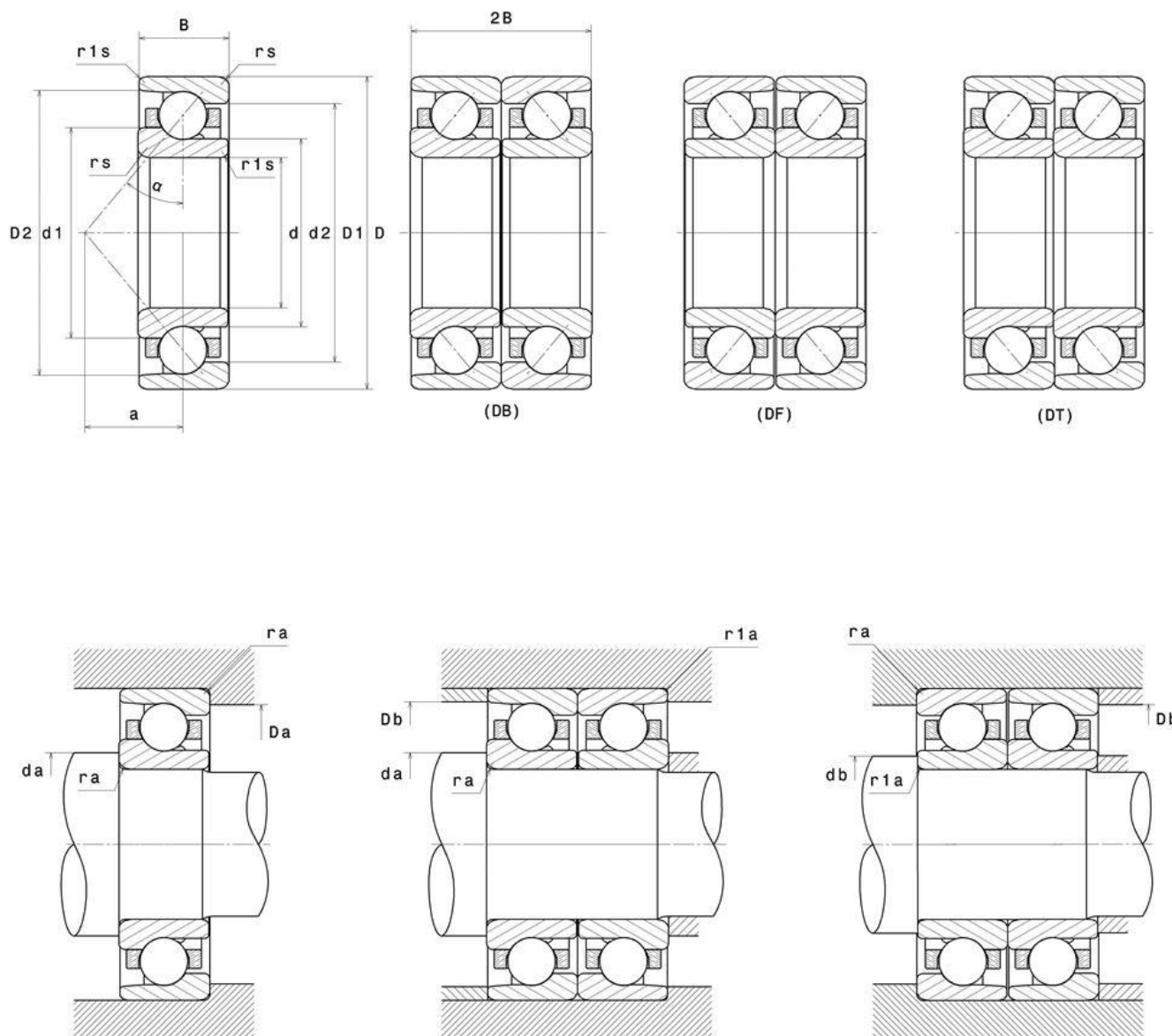
Technical data

7328BG

Single row or matched pairs of angular contact ball bearings

Angular contact ball bearing, brass cage inner ring guided

VISUAL (S)



7328BG

Single row or matched pairs of angular contact ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	140 mm
D - External diameter	300 mm
B - Bearing/Inner ring width	62 mm
a - Charge load application point	123 mm
- Contact angle	40 °
rs - Min fillet radius	4 mm
r1s - Min fillet radius	1,5 mm
Radial clearance class	CN
Mass	21,5 kg

PRODUCT PERFORMANCE

C - Dynamic load	305000000 mN
C0 - Static load	310000000 mN
Cu - Fatigue limit load	16300000 mN
N lim - Oil lubrication limit speed	16800 °/s
N lim - Grease lubrication limit speed	12600 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	158 mm
db min - Min IR shoulder diameter	282 mm
Da max - Max shoulder diameter OR	282 mm
Db max - Max OR shoulder diameter	291,5 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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ABUTMENT

r1a - Max fillet radius	1,5 mm
ra max - Max shaft & housing fillet radius	3 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

	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

$$P_0 = X_0.F_r + Y_0.F_a$$

a	Single or DT bearing arrangement		DB or DF arrangement	
	X ₀	Y ₀	X ₀	Y ₀
30°	0.5	0.33	1	0.66
40°		0.26		0.52

For single or DT bearing arrangement :

If $P_0 < F_r$, then use $P_0 = F_r$



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