



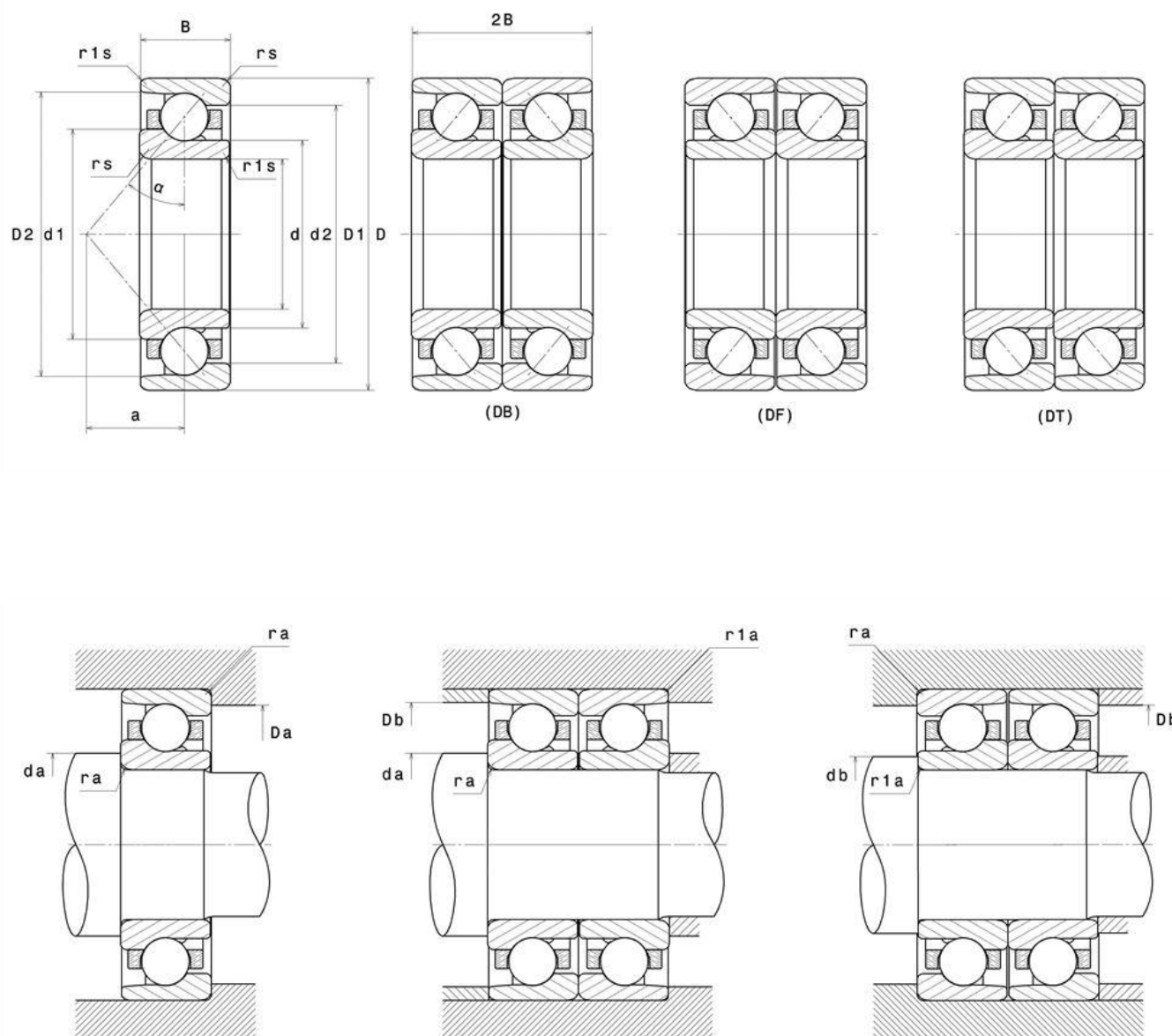
Technical data

7326BG

Single row or matched pairs of angular contact ball bearings

Angular contact ball bearing, brass cage inner ring guided

VISUAL (S)



7326BG

Single row or matched pairs of angular contact ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	130 mm
D - External diameter	280 mm
B - Bearing/Inner ring width	58 mm
a - Charge load application point	115 mm
- Contact angle	40 °
rs - Min fillet radius	4 mm
r1s - Min fillet radius	1,5 mm
Radial clearance class	CN
Mass	17,6 kg

PRODUCT PERFORMANCE

C - Dynamic load	277000000 mN
C0 - Static load	268000000 mN
Cu - Fatigue limit load	14700000 mN
N lim - Oil lubrication limit speed	18600 °/s
N lim - Grease lubrication limit speed	13800 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	148 mm
db min - Min IR shoulder diameter	262 mm
Da max - Max shoulder diameter OR	271,5 mm
Db max - Max OR shoulder diameter	271,5 mm



NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00
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

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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