

PDF technical sheet

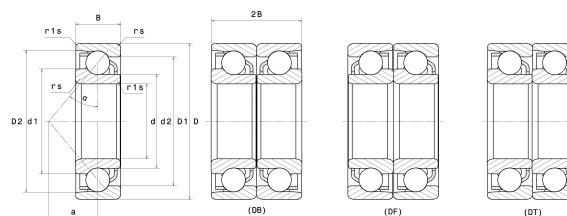
7326BG



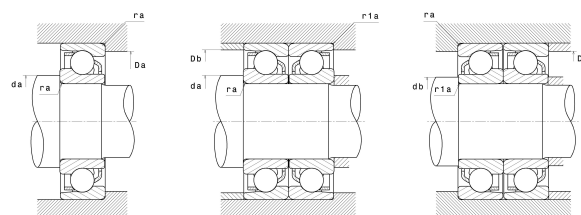
Single row or matched pairs of angular contact ball bearings

Angular contact ball bearings, pressed steel cage

Product definition	
d	130 mm
D	280 mm
B	58 mm
a	115 mm
Contact angle, α	40 °
rs min	4 mm
r1s min	1.50 mm
Radial clearance class	CN
Mass	17.60 kg
Brand	NTN



Product performance	
Dynamic load, C	250 kN
Static load, C0	268 kN
Fatigue limit load, Cu	8.50 kN
Nlim (oil)	3,100 Tr/min
Nlim (grease)	2,300 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	4.49 Hz
Characteristic outer ring frequency, BPF0	5.00 Hz
Characteristic inner ring frequency, BPFI	7.00 Hz



Abutment dimensions	
da min	148 mm
db min	262 mm
Da max	271.50 mm
Db max	3 mm
r1a max	1.50 mm
ra max	3 mm

Calculation 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 $P_0 = F_r$