



7307 BE-2RZP Angular contact ball bearings, single row

- Popular item

Angular contact ball bearings, single row

Bearing data

Tolerances,

Normal (metric), P6, P5, Normal (inch),

Internal clearance,

CA+CB+CC, G,

Preload,

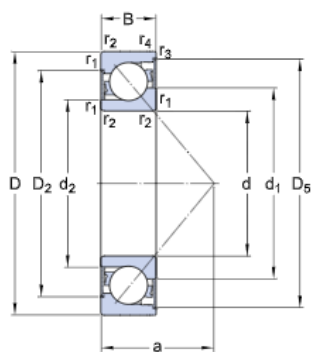
GA+GB+GC

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

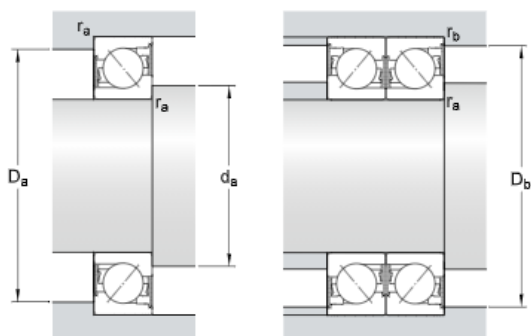


DIMENSIONS

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
d1	≈ 52.5 mm	Shoulder diameter inner ring (large side face)
d2	≈ 43.62 mm	Shoulder diameter inner ring (small side face)
D2	≈ 65.05 mm	Recess diameter outer ring (large side face)
D5	≈ 72.35 mm	Recess diameter outer ring (small side face)
a	35 mm	Distance pressure point
r _{1,2}	min. 1.5 mm	Chamfer dimension
r _{3,4}	min. 1 mm	Chamfer dimension outer ring small side face

ABUTMENT DIMENSIONS

d _e min.	44 mm	Abutment diameter shaft
d _e max.	52 mm	Abutment diameter shaft
D _i max.	71 mm	Abutment diameter housing


 D_l max. 74.4 mm

Abutment diameter housing

 r_a max. 1.5 mm

Fillet radius

 r_b max. 1 mm

Fillet radius

CALCULATION DATA

C	39 kN	Basic dynamic load rating
C_0	24.5 kN	Basic static load rating
P_u	1.04 kN	Fatigue load limit
	11 000 r/min	Reference speed
	8 500 r/min	Limiting speed
A	0.011	Calculation factor
k_r	0.1	Calculation factor
e	1.14	Calculation factor

SINGLE BEARING OR BEARING PAIR ARRANGED IN TANDEM

X	0.35	Calculation factor
Y_0	0.26	Calculation factor
Y_2	0.57	Calculation factor

BEARING PAIR ARRANGED BACK-TO-BACK OR FACE-TO-FACE

X	0.57	Calculation factor
Y_0	0.52	Calculation factor
Y_1	0.55	Calculation factor
Y_2	0.93	Calculation factor