



7234 BCBM 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,

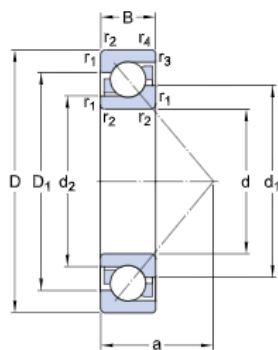
GA+GB+GC

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification



DIMENSIONS

d	170 mm	Bore diameter
D	310 mm	Outside diameter
B	52 mm	Width
d1	≈ 227.4 mm	Shoulder diameter inner ring (large side face)
d2	≈ 202.05 mm	Shoulder diameter inner ring (small side face)
D1	≈ 261.25 mm	Shoulder diameter outer ring (large side face)
a	127 mm	Distance pressure point
r _{1,2}	min. 4 mm	Chamfer dimension
r _{3,4}	min. 1.5 mm	Chamfer dimension outer ring small side face

ABUTMENT DIMENSIONS

d _a min. 187 mm	Abutment diameter shaft
D _c max. 293 mm	Abutment diameter housing
D _i max. 301 mm	Abutment diameter housing
r _a max. 3 mm	Fillet radius
r _b max. 1.5 mm	Fillet radius



CALCULATION DATA

C	281 kN	Basic dynamic load rating
C ₀	345 kN	Basic static load rating
P _u	9.5 kN	Fatigue load limit
	2 400 r/min	Reference speed
	2 800 r/min	Limiting speed
A	2	Calculation factor
k _r	0.08	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