



7264 BCBM Angular contact ball bearings, single row

Angular contact ball bearings, single row

Bearing data

[Tolerances,](#)

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

[Internal clearance,](#)

CA+CB+CC, G,

[Preload,](#)

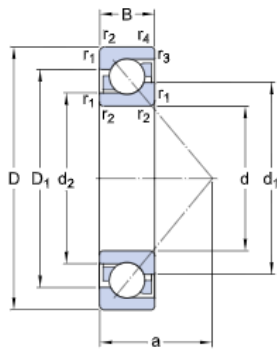
GA+GB+GC

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

d	320 mm	Bore diameter
D	580 mm	Outside diameter
B	92 mm	Width
d1	≈ 425.08 mm	Shoulder diameter inner ring (large side face)
d2	≈ 383.79 mm	Shoulder diameter inner ring (small side face)
D1	≈ 480.6 mm	Shoulder diameter outer ring (large side face)
a	236 mm	Distance pressure point
r _{1,2}	min. 5 mm	Chamfer dimension
r _{3,4}	min. 2 mm	Chamfer dimension outer ring small side face

ABUTMENT DIMENSIONS

d _a	min. 342 mm	Abutment diameter shaft
D _c	max. 558 mm	Abutment diameter housing
D _f	max. 568 mm	Abutment diameter housing
r _a	max. 4 mm	Fillet radius
r _b	max. 2 mm	Fillet radius



CALCULATION DATA

C	572 kN	Basic dynamic load rating
C ₀	1 020 kN	Basic static load rating
P _u	20.4 kN	Fatigue load limit
	1 200 r/min	Reference speed
	1 200 r/min	Limiting speed
A	17.5	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