



## 3220 A Angular contact ball bearings, double row

- Popular item

### Angular contact ball bearings, double row

#### Bearing data

[Tolerances](#),

Normal, P6, P5,

[Internal clearance](#),

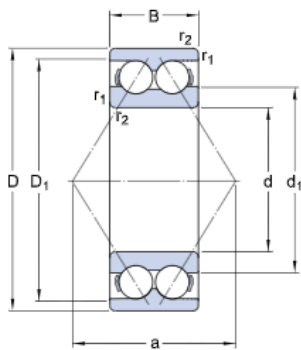
table, drawing no

#### Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

## Technical specification

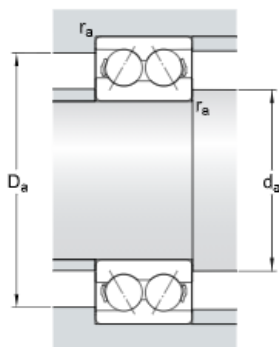


### DIMENSIONS

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	60.3 mm	Width
$d_1$	≈ 126.55 mm	Shoulder diameter inner ring
$D_1$	≈ 161.05 mm	Shoulder diameter outer ring
$r_{1,2}$	min. 2.1 mm	Chamfer dimension inner ring
a	107 mm	Distance pressure point(s)

### ABUTMENT DIMENSIONS

$d_a$	min. 112 mm	Abutment diameter shaft
$D_c$	max. 168 mm	Abutment diameter housing
$r_a$	max. 2 mm	Fillet radius



## CALCULATION DATA

C	178 kN	Basic dynamic load rating
C <sub>0</sub>	166 kN	Basic static load rating
P <sub>u</sub>	6 kN	Fatigue load limit
	3 800 r/min	Reference speed
	3 200 r/min	Limiting speed
k <sub>r</sub>	0.06	Calculation factor
e	0.8	Calculation factor
X	0.63	Calculation factor
Y <sub>0</sub>	0.66	Calculation factor
Y <sub>1</sub>	0.78	Calculation factor
Y <sub>2</sub>	1.24	Calculation factor

## MASS

	6.1 kg	Mass bearing
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