



## 3222 A Angular contact ball bearings, double row

- Popular item

### Angular contact ball bearings, double row

#### Bearing data

[Tolerances](#),

Normal, P6, P5,

[Internal clearance](#),

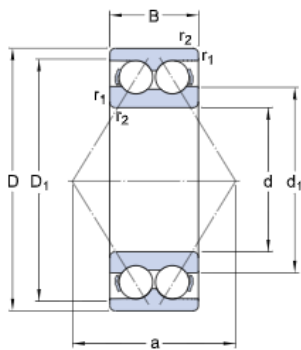
table, drawing no

#### Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

### Technical specification

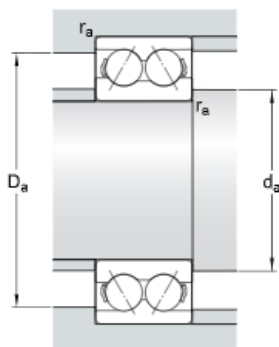


#### DIMENSIONS

d	110 mm	Bore diameter
D	200 mm	Outside diameter
B	69.8 mm	Width
$d_1$	≈ 139.25 mm	Shoulder diameter inner ring
$D_1$	≈ 173.7 mm	Shoulder diameter outer ring
$r_{1,2}$	min. 2.1 mm	Chamfer dimension inner ring
a	119 mm	Distance pressure point(s)

#### ABUTMENT DIMENSIONS

$d_a$	min. 122 mm	Abutment diameter shaft
$D_c$	max. 188 mm	Abutment diameter housing
$r_a$	max. 2 mm	Fillet radius



## CALCULATION DATA

C	212 kN	Basic dynamic load rating
C <sub>0</sub>	212 kN	Basic static load rating
P <sub>u</sub>	7.2 kN	Fatigue load limit
	3 400 r/min	Reference speed
	2 800 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

	8.8 kg	Mass bearing
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