



## 3214 A-2Z Angular contact ball bearings, double row

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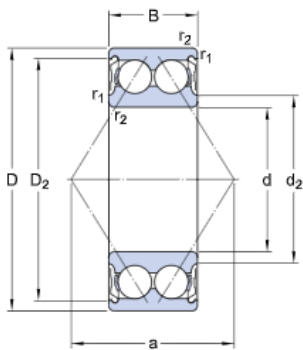
#### Bearing data

Tolerances,  
Normal, P6, P5,  
Internal clearance,  
table, drawing no

#### Bearing interfaces

Seat tolerances for standard  
conditions,  
Tolerances and resultant fit

## Technical specification

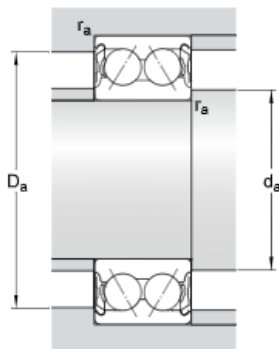


### DIMENSIONS

d	70 mm	Bore diameter
D	125 mm	Outside diameter
B	39.7 mm	Width
$d_2$	≈ 81.87 mm	Recess diameter inner ring shoulder
$D_2$	≈ 115.4 mm	Recess diameter outer ring shoulder
$r_{1,2}$	min. 1.5 mm	Chamfer dimension inner ring
a	74 mm	Distance pressure point(s)

### ABUTMENT DIMENSIONS

$d_a$	min. 79 mm	Abutment diameter shaft
$d_a$	max. 82 mm	Abutment diameter shaft
$D_i$	max. 116 mm	Abutment diameter housing
$r_a$	max. 1.5 mm	Fillet radius



## CALCULATION DATA

C	88.4 kN	Basic dynamic load rating
C <sub>0</sub>	80 kN	Basic static load rating
P <sub>u</sub>	3.4 kN	Fatigue load limit
	5 600 r/min	Reference speed
	4 500 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

	1.9 kg	Mass bearing
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