



## 3212 ATN9 Angular contact ball bearings, double row

- Popular item  
- SKF Explorer

### Angular contact ball bearings, double row

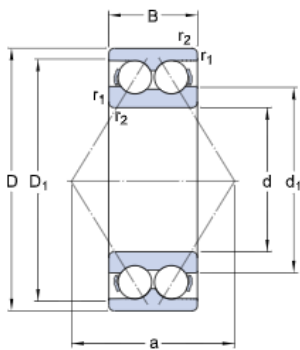
#### Bearing data

[Tolerances](#),  
Normal, P6, P5,  
[Internal clearance](#),  
table, drawing no

#### Bearing interfaces

[Seat tolerances for standard conditions](#),  
[Tolerances and resultant fit](#)

### Technical specification

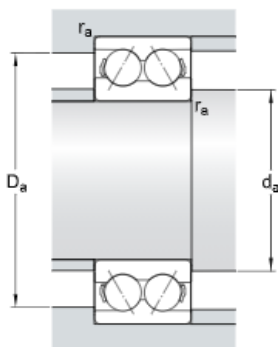


#### DIMENSIONS

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	36.5 mm	Width
$d_1$	≈ 74.459 mm	Shoulder diameter inner ring
$D_1$	≈ 96.2 mm	Shoulder diameter outer ring
$r_{1,2}$	min. 1.5 mm	Chamfer dimension inner ring
a	63 mm	Distance pressure point(s)

#### ABUTMENT DIMENSIONS

$d_a$	min. 69 mm	Abutment diameter shaft
$D_i$	max. 101 mm	Abutment diameter housing
$r_a$	max. 1.5 mm	Fillet radius



## CALCULATION DATA

C	75 kN	Basic dynamic load rating
C <sub>0</sub>	64 kN	Basic static load rating
P <sub>u</sub>	2.75 kN	Fatigue load limit
	5 600 r/min	Reference speed
	5 600 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

	1.2 kg	Mass bearing
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