



## 3205 ATN9

- Popular item  
- SKF Explorer

### Angular contact ball bearings, double row

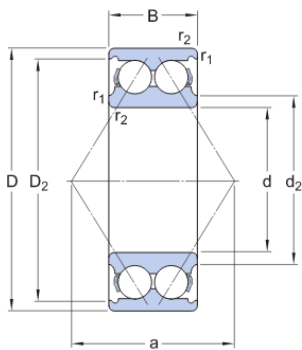
#### Bearing data

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

#### Bearing interfaces

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

## Technical specification

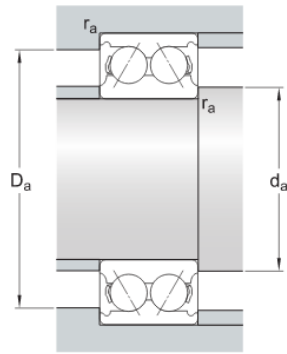


### DIMENSIONS

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	20.6 mm	Width
d1	≈34.44 mm	Shoulder diameter inner ring
d2	≈32.7 mm	Recess diameter inner ring shoulder
D1	≈44.55 mm	Shoulder diameter outer ring
D2	≈45.9 mm	Recess diameter outer ring shoulder
r1,2	min.1 mm	Chamfer dimension inner ring
a	30 mm	Distance pressure point(s)

### ABUTMENT DIMENSIONS

da	min.31 mm	Abutment diameter shaft
Da	max.46 mm	Abutment diameter housing
r <sub>a</sub>	max. 1 mm	Fillet radius



## CALCULATION DATA

Basic dynamic load rating	$C$	22 kN
Basic static load rating	$C_0$	15.3 kN
Fatigue load limit	$P_u$	0.64 kN
Reference speed		12 000 r/min
Limiting speed		12 000 r/min
Calculation factor	$k_T$	0.06
Calculation factor	$e$	0.8
Calculation factor	$X$	0.63
Calculation factor	$Y_0$	0.66
Calculation factor	$Y_1$	0.78
Calculation factor	$Y_2$	1.24

## MASS

Mass bearing	0.18 kg
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