



2204 ETN9 Self-aligning ball bearings

- Popular item

Self-aligning ball bearings

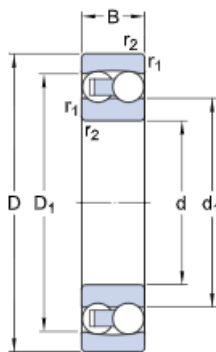
Bearing data

Tolerances,
Normal, JS7,
Radial internal clearance,
table

Bearing interfaceS

Seat tolerances for standard
conditions,
Tolerances and resultant fits

Technical specification

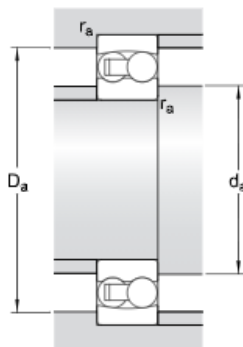


DIMENSIONS

d	20 mm	Bore diameter
D	47 mm	Outside diameter
B	18 mm	Width
d ₁	≈ 27.37 mm	Shoulder diameter inner ring
D ₁	≈ 40 mm	Shoulder diameter outer ring
r _{1,2}	min. 1 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a	min. 25.6 mm	Abutment diameter shaft
D _i	max. 41.4 mm	Abutment diameter housing
r _a	max. 1 mm	Fillet radius



CALCULATION DATA

C	16.8 kN	Basic dynamic load rating
C ₀	4.15 kN	Basic static load rating
P _u	0.216 kN	Fatigue load limit
	28 000 r/min	Reference speed
	20 000 r/min	Limiting speed
α	2.5 °	Permissible angular misalignment
k _r	0.045	Calculation factor
e	0.4	Calculation factor
Y ₀	1.6	Calculation factor
Y ₁	1.6	Calculation factor
Y ₂	2.4	Calculation factor

MASS

0.14 kg	Mass bearing
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