

C 6912-2NSV/C3

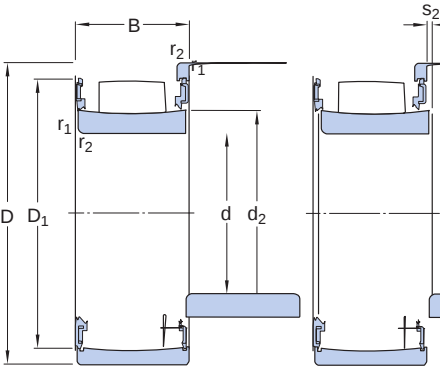
CARB toroidal roller bearings are unique: as well as accommodating misalignment without increased stress levels, they also provide frictionless axial movement within the bearing in the non-locating position in self-aligning bearing arrangements. This bearing has a lower speed rating and is sealed to minimize the need for lubrication and extend service life.



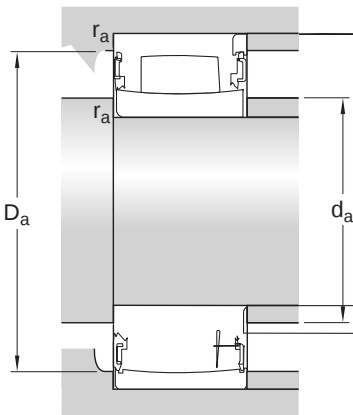
- Accommodate misalignment and axial displacement within the bearing
- High radial load carrying capacity
- Provide frictionless axial movement
- Long bearing system life
- Sealed for increased reliability

Bore type

Cylindrical



Dimensions		
d	60 mm	Bore diameter
D	85 mm	Outside diameter
B	45 mm	Width
d ₂	≈ 68.7 mm	Shoulder diameter of inner ring
D ₁	≈ 77.5 mm	Shoulder or recess diameter of outer ring
s ₂	max. 0.5 mm	Permissible axial displacement
r _{1,2}	min. 1 mm	Chamfer dimension



Abutment dimensions		
d _a	min. 64.6 mm	Diameter of shaft abutment
d _a	max. 68.7 mm	Diameter of shaft abutment
D _a	min. 70 mm	Diameter of housing abutment
D _a	max. 80.4 mm	Abutment diameter housing
r _a	max. 1 mm	Radius of fillet

Calculation data

AGA performance class		AGA Explorer
Basic dynamic load rating	C	190 kN
Basic static load rating	C ₀	335 kN
Fatigue load limit	P _u	39 kN
Misalignment factor	k ₁	0.108
Internal clearance factor	k ₂	0.096

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal, P5, tapered bore 1:12, tapered bore 1:30
- Radial internal clearance: cylindrical bore, tapered bore

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit