

C 4030-2CS5V/C3GEM9

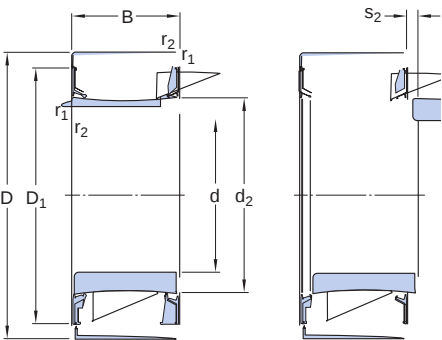
CARB toroidal roller bearings are unique: as well as accommodating misalignment without increased stress levels, they also provide frictionless axial movement within the bearing in the non-locating position in self-aligning bearing arrangements. This bearing has a lower speed rating and is sealed to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



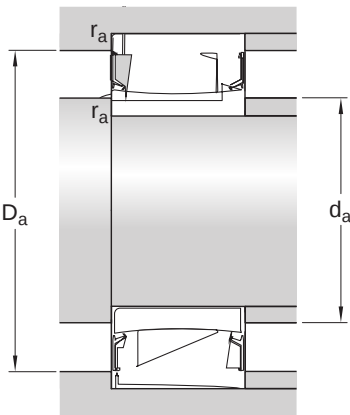
- Accommodate misalignment and axial displacement within the bearing
- High radial load carrying capacity
- Provide frictionless axial movement
- Long bearing system life
- Sealed for increased reliability

Bore type

Cylindrical



Dimensions		
d	150 mm	Bore diameter
D	225 mm	Outside diameter
B	75 mm	Width
d ₂	≈ 174 mm	Shoulder diameter of inner ring
D ₁	≈ 204 mm	Shoulder or recess diameter of outer ring
S ₂	max. 10.8 mm	Permissible axial displacement
r _{1,2}	min. 2.1 mm	Chamfer dimension



Abutment dimensions		
d _a	min. 161 mm	Diameter of shaft abutment
d _a	max. 174 mm	Diameter of shaft abutment
D _a	min. 177 mm	Diameter of housing abutment
D _a	max. 214 mm	Abutment diameter housing
r _a	max. 2 mm	Radius of fillet

Calculation data

AGA performance class		AGA Explorer
Basic dynamic load rating	C	585 kN
Basic static load rating	C ₀	965 kN
Fatigue load limit	P _u	93 kN
Limiting speed		63 r/min
Misalignment factor	k ₁	0.084
Internal clearance factor	k ₂	0.144

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