

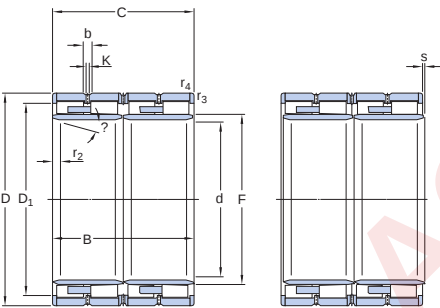
BC4-0100



Four-row cylindrical roller bearings are designed to accommodate very heavy radial loads in combination with medium to high speeds. The bearings are optimized for operating conditions typically found in long product mills, where they can provide increased performance and reduced total cost of ownership. Different design combinations of outer rings, inner rings, flange rings, etc. are available to fulfil different application demands. An important feature is the separable design, which facilitates mounting and enables the bearing components to be interchanged.

- Exceptional high radial load carrying capacity
- Low friction and long service life
- Low cross-sectional height
- Accommodate axial displacement in both directions
- Separable and interchangeable components

This bearing can replace	314719 C
Design variant/feature	BC4.8/W33
Bore type	Cylindrical



Dimensions		
d	280 mm	Bore diameter
D	390 mm	Outside diameter
B	275 mm	Total bearing width over inner ring(s)
C	275 mm	Total bearing width over outer ring(s)
D ₁	≈ 352.97 mm	Bore diameter loose flange ring
D ₁	≈ 353 mm	Outer ring shoulder diameter
F	308 mm	Raceway diameter inner ring
b	11.1 mm	Width of annular groove
K	6 mm	Diameter lubrication hole (outer ring)
r ₂	min. 8.08 mm	Corner radius/chamfer inner ring

α	20 °	Chamfer angle inner ring
$r_{3,4}$	min. 1.1 mm	Chamfer dimension on the outer ring
s	3 mm	Permissible axial displacement from the normal position of one bearing ring relative to the other

Calculation data

AGA performance class	AGA Explorer	
Basic dynamic load rating	C	3 750 kN
Basic static load rating	C_0	6 950 kN
Fatigue load limit	P_u	670 kN

Included products

Bearing ring with roller and cage assembly	RBC4-0100
Separable bearing ring	LBC4-0100

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: P6, P5
- Radial internal clearance: cylindrical bore, tapered bore

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit