

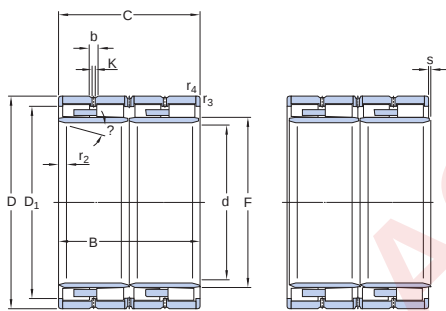
BC4-0094



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	314484 D
Design variant/feature	BC4.8/W33WO
Bore type	Cylindrical



Dimensions		
d	300 mm	Bore diameter
D	420 mm	Outside diameter
B	300 mm	Total bearing width over inner ring(s)
C	300 mm	Total bearing width over outer ring(s)
D ₁	≈ 378 mm	Bore diameter loose flange ring
D ₁	≈ 378.2 mm	Outer ring shoulder diameter
F	332 mm	Raceway diameter inner ring
b	11.1 mm	Width of annular groove
K	6 mm	Diameter lubrication hole (outer ring)
r ₂	min. 6.4 mm	Corner radius/chamfer inner ring

α	20 °	Chamfer angle inner ring
$r_{3,4}$	min. 1.5 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	4 400 kN
Basic static load rating	C_0	8 300 kN
Fatigue load limit	P_u	800 kN

Included products

Bearing ring with roller and cage assembly	RBC4-0094
Separable bearing ring	LBC4-0094

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