

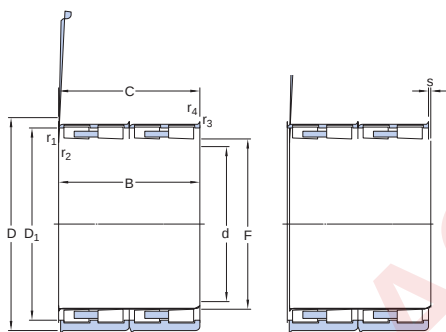
BC4-0107



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	313822
Design variant/feature	BC4.1/WO
Bore type	Cylindrical



Dimensions		
d	280 mm	Bore diameter
D	390 mm	Outside diameter
B	220 mm	Total bearing width over inner ring(s)
C	220 mm	Total bearing width over outer ring(s)
D ₁	≈ 352 mm	Outer ring shoulder diameter
F	312 mm	Raceway diameter inner ring
r _{1,2}	min. 3 mm	Corner radius/chamfer inner ring
r _{3,4}	min. 3 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	2 800 kN
Basic static load rating	C ₀	5 000 kN
Fatigue load limit	P _u	490 kN

Included products

Separable bearing ring	LBC4-0107
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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