

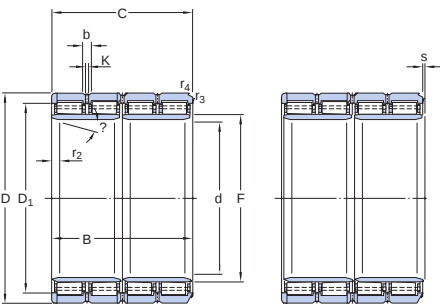
316083 A



Four-row cylindrical roller bearings are designed to accommodate very heavy radial loads in combination with medium to high speeds. The NR assortment includes many designs and variants, such as bearings with a cage and full complement bearings. Depending on the configuration of the outer and inner rings, the bearings are available in locating as well as non-locating designs.

- Exceptional high radial load carrying capacity
- Low friction
- Long service life
- Low cross-sectional height

Design variant/feature	BC4.10/W33GWI
Bore type	Cylindrical with helical groove



Dimensions		
d	500 mm	Bore diameter
D	670 mm	Outside diameter
B	450 mm	Total bearing width over inner ring(s)
C	450 mm	Total bearing width over outer ring(s)
D ₁	≈ 612 mm	Bore diameter loose flange ring
F	540 mm	Raceway diameter inner ring
b	16.7 mm	Width of annular groove
K	9 mm	Diameter lubrication hole (outer ring)
r _{1,2}	min. 12.5 mm	Corner radius/chamfer inner ring
α	20 °	Chamfer angle inner ring
r _{3,4}	min. 5 mm	Chamfer dimension on the outer ring

Calculation data

Basic dynamic load rating	C	8 250 kN
Basic static load rating	C ₀	22 000 kN
Fatigue load limit	P _u	1 800 kN
Calculation factor	k _r	640

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

AGA BEARINGS