

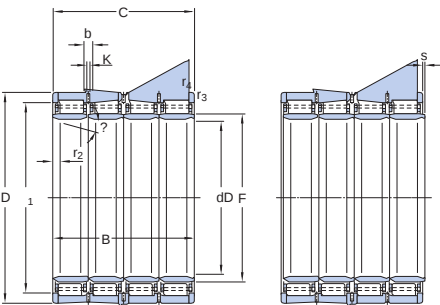
BC4-8042/HA4



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	BC4.14/W33WI
Bore type	Cylindrical



Dimensions		
d	1 400 mm	Bore diameter
D	1 780 mm	Outside diameter
B	1 200 mm	Total bearing width over inner ring(s)
C	1 200 mm	Total bearing width over outer ring(s)
D ₁	≈ 1 670.7 mm	Bore diameter loose flange ring
F	1 493 mm	Raceway diameter inner ring
b	22.3 mm	Width of annular groove
K	12 mm	Diameter lubrication hole (outer ring)
r _{1,2}	min. 40 mm	Corner radius/chamfer inner ring
α	20 °	Chamfer angle inner ring
r _{3,4}	min. 9.5 mm	Chamfer dimension on the outer ring

Calculation data

Basic dynamic load rating	C	52 300 kN
Basic static load rating	C ₀	163 000 kN
Fatigue load limit	P _u	9 300 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