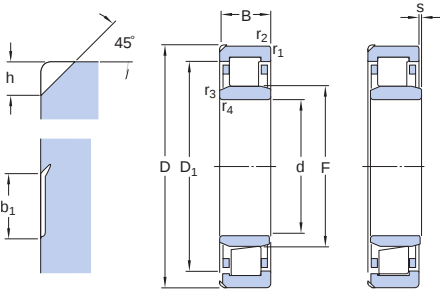


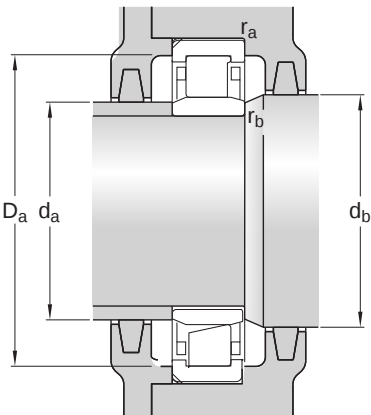
NU 1080 N2MA

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

- High to very high radial load carrying capacity
- Low friction
- Long service life



Dimensions		
d	400 mm	Bore diameter
D	600 mm	Outside diameter
B	90 mm	Width
D ₁	≈ 527 mm	Shoulder diameter of outer ring
F	450 mm	Raceway diameter of inner ring
b ₁	12.5 mm	Width of locating slot
h	15 mm	Depth of locating slot
r _{1,2}	min. 5 mm	Chamfer dimension
s	max. 14 mm	Permissible axial displacement



Abutment dimensions		
d _a	min. 418 mm	Diameter of spacer sleeve
d _a	max. 446 mm	Diameter of spacer sleeve
d _b	min. 455 mm	Diameter of shaft abutment
D _a	max. 582 mm	Diameter of housing abutment
r _a	max. 4 mm	Radius of fillet

Calculation data

Basic dynamic load rating	C	1 380 kN
Basic static load rating	C ₀	2 320 kN
Fatigue load limit	P _u	196 kN
Reference speed		1 100 r/min
Limiting speed		1 500 r/min
Minimum load factor	k _r	0.15
Limiting value	e	0.2
Calculation factor	Y	0.6

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal (), P6, Normal (inch)
- Radial internal clearance: cylindrical bore, tapered bore
- Axial internal clearance: NUP, NJ + HJ

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit