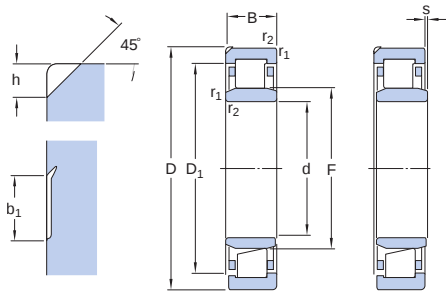


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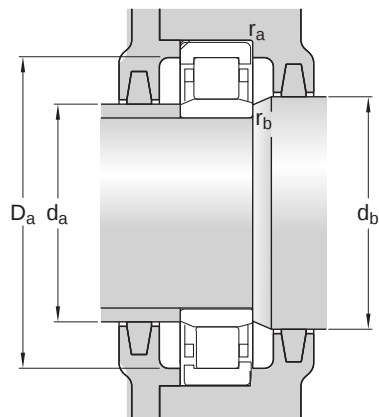


Single row cylindrical roller bearings are designed to accommodate high to very high radial loads in combination with medium to high speeds. The NR assortment includes many designs and variants, such as standard, full complement and high capacity bearings. Depending on the configuration of the outer 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	220 mm	Bore diameter
D	460 mm	Outside diameter
B	145 mm	Width
D ₁	≈ 384 mm	Shoulder diameter of outer ring
F	277 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. 10.4 mm	Permissible axial displacement



Abutment dimensions		
d _a	min. 240 mm	Diameter of spacer sleeve
d _a	max. 268 mm	Diameter of spacer sleeve
d _b	min. 280 mm	Diameter of shaft abutment
D _a	max. 440 mm	Diameter of housing abutment
r _a	max. 4 mm	Radius of fillet

r_a	max. 4 mm	Radius of fillet
r_b	max. 4 mm	Radius of fillet

Calculation data

Basic dynamic load rating	C	2 380 kN
Basic static load rating	C_0	3 450 kN
Fatigue load limit	P_u	310 kN
Reference speed		1 300 r/min
Limiting speed		2 200 r/min
Minimum load factor	k_r	0.25
Limiting value	e	0.3
Calculation factor	Y	0

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