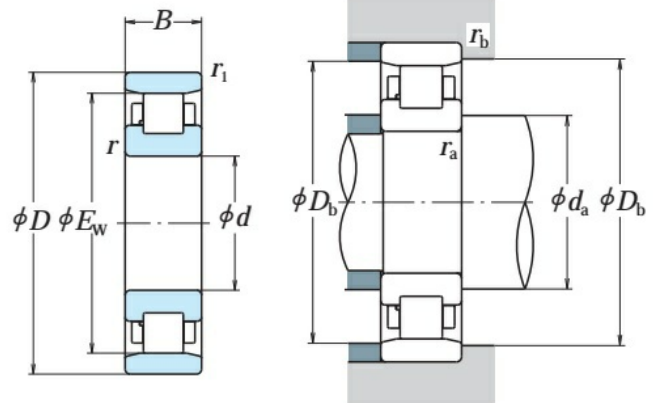


N226

Standard cylindrical roller bearings, N type, single row



Technical sheet of N226

What are the Benefits of choosing N226 bearings?

- **High radial load capacity:** The rollers and raceways have line contact, resulting in a rated radial load significantly higher than that of ball bearings of the same size.
- **Good high-speed performance:** Generally employs machined or stamped cages, resulting in low friction and suitability for high-speed operation.
- **High rigidity:** Minimal elastic deformation effectively supports the shaft and housing, improving the rigidity of the transmission system.
- **Separable design:** The inner ring (with roller cage) is separable from the outer ring, facilitating installation, disassembly, and maintenance.
- **Axial displacement adaptability:** Types without inner ring flanges (such as NU and N types) allow for free axial expansion and contraction of the shaft relative to the housing, addressing thermal expansion issues.
- **Compact structure:** Small cross-sectional height saves radial space.

Type :	Single row cylindrical roller bearings	
Model :	N226	
Old Code :	2226	
Main dimensions :	130 mm × 230 mm × 40 mm	Bore Dia × Outside Dia × Width Dia
M kg:	6.48	Mass
HS Code :	8482500090	Bearing customs code

d mm:	130	inner ring diameter
D mm:	230	Outer ring diameter
B(T) mm:	40	Overall Width
Cr kN:	265.255	Radial dynamic load rating
C0r kN:	338.314	Radial static load rating
Grease r/min:	2555	Reference speed
Oil r/min:	3119	Limiting speed

Detailed parameters and installation dimensions:

Part Number	N226
Radial Internal Clearance	C0
Series	N2 series (N2..)
Temperature - T(min)	-40 °C
Temperature - T(max)	120 °C
Type	N
Seal	Open
Fillet Radius - r_a max	2.5 mm 0.0984 inch
Fillet Radius - r_b max	2.5 mm 0.0984 inch
Raceway diameter of outer ring - EW	204 mm 8.0315 inch
Bore	Cylindrical
Units	Metric
Rows NO.	single
Dimension Chamfer - r min	3 mm 0.1181 inch
Dimension Chamfer - r_1 min	3 mm
Bearing Type	Standard cylindrical roller bearings, N type, single row
Cage	Machined Brass Cages
Interchangeable	NSK N226
Radial Dynamic Capacity - C_r	265255 N 59629 lbf
Radial Static Capacity - C_{0r}	338314 N 76052 lbf
Tolerance class	P0 (ABEC-1)
Abutment Dimensions Housing - D_b min	208 mm 8.1890 inch
Abutment Dimensions Housing - D_b max	217 mm 8.5433 inch
Abutment Dimensions Shaft - d_a min	143 mm 5.6299 inch
Rolling Element Material	GCr15SiMn
Inner/Outer Ring Material	GCr15SiMn
Load	radial
Dimension Inside - $d \varphi$	130 mm 5.1181 inch
Dimension Outside - $D \Phi$	230 mm 9.0551 inch
Dimension Width - B	40 mm 1.5748 inch
Speed ratings (grease) - n_B	2555 min^{-1}
Speed ratings (oil) - n_G	3119 min^{-1}

Dimensional Series	2 = light duty type
Equivalent	N 226
Bearing Mass - m	6.48 kg 14.2858 lb

What are the applications of the N226 bearing?

- **Electric Motors and Generators:** Support high speeds and reduce frictional temperature rise.
- **Gearboxes:** Withstand high radial loads and improve transmission rigidity.
- **Pumps and Compressors:** Ensure stable rotor operation and extend service life.
- **Metallurgical Equipment:** Resistant to heavy loads and impacts, adaptable to high-temperature conditions.
- **Mining Machinery:** Resistant to vibration and dust, maintaining continuous operation.
- **Wind Power Equipment:** Reliably transmits torque and adapts to variable speed and load conditions.
- **Rail Transportation:** Withstands heavy vehicle loads and ensures safe operation.
- **Machine Tools:** Provides high-rigidity support to ensure machining accuracy.
- **Paper Machinery:** Maintains roller stability and improves paper quality.
- **Conveying Equipment:** Bears continuous loads and reduces downtime for maintenance.

Tradebearing(TBS): <https://en.tradebearings.com/>

Email: admin@tradebearings.com
Whatsapp/Mob.: +86 15906428604