

NTN®



PRECISION MACHINE TOOL BEARINGS A POWERFUL COMBINATION: BY DESIGN



NTN MACHINE TOOL BEARINGS

YOUR SPINDLES DESERVE THE BEST

QUALITY, PERFORMANCE, AND DESIGN

NTN has just the right combination of all these factors. Quality has been a driving force behind NTN for over 100 years. We use the highest precision processing and measuring technology in creating high performance products.

NTN offers both the NTN ULTAGE™ and SNR MachLine™ series of precision bearings, providing our customers a comprehensive product line with more design options for both the Original Equipment and Maintenance Repair markets.

When it comes to holding precision tolerances and machining performance our line of precision bearings covers the most demanding applications in the industry.

Precision bearings are found in a wide range of industries where maintaining precision tolerance is essential - from medical equipment and wood working to heavy industry and automotive engine production.

ANGULAR CONTACT PRECISION BEARINGS



- Contact angles of 15° and 25°
- Universal ground for pairing in duplex, triplex or quad arrangements
- Bore ranges: 10 mm to 240 mm
- OD ranges: Up to 420 mm
- Laminated resin phenolic cage centered on outer ring
- Three standard preload grades
- Standard precision ISO4 or Abec7
- Higher precision options: ISO2 or Abec 9

ANGULAR CONTACT PRECISION BEARINGS SEALED FOR LIFE



- Contact angles of 17° and 25°
- Universal ground for pairing in duplex, triplex or quad arrangements
- Phenolic resin cage standard
- Non-contact seals
- Ceramic ball optional for reduced heat
- Reduced clearance between seal lip and the shoulder of the inner ring limits grease leakage and contamination ingress

ANGULAR CONTACT PRECISION BEARINGS FOR HIGHER SPEED



- Contact angles of 17° and 25° MachLine™ series
- Contact angles of 17° and 30° ULTAGE™ series
- Smaller ball design for increased life
- Universal ground for pairing in duplex, triplex or quad arrangements
- Ceramic ball optional for reduced heat
- Reduced thermal expansion and Increased bearing life

CYLINDRICAL ROLLER PRECISION BEARINGS FOR HIGH SPEED



ISO4 Abec 7 and ISO5 Abec 5 as standard
Bore ranges: 25 mm to 170 mm
Machined brass cage standard
Peek resin cage (T6) optional
Optimized internal design features
Taper bore (K) mounting option
Higher speed resin cage HSR available to reduce heat generation

BALL SCREW SUPPORT PRECISION BEARINGS



Contact angle of 60°
Bore ranges: 17 mm to 60 mm
Special resin cage
Universal ground for pairing in duplex, triplex or quad arrangements

HIGH PRECISION LOCKNUTS



Bore ranges: 10 mm to 100 mm
Narrow and wide series
Locking by blind holes or slots
Nuts locked by two or four bronze inserts
Slots series: B / BR / BP / BPR
Blind hole series: TB / TBR / TBP / TBPR

DOUBLE DIRECT ANGULAR CONTACT PRECISION BEARINGS



Contact angle of 60°
Series: 5620 bore ranges: 25 mm to 360 mm
Series: 5629 bore ranges: 100 mm to 320 mm

OUR MISSION

To provide the best quality products, technical support, and local inventory to meet your precision bearing requirements.

For more information contact your NTN Sales Representative or call 1.800.232.2358.

For Technical questions email eng@ntnamerica.com

NTN[®]

SERVICES

NTN application engineers are available to work with our customers to arrive at the best technical solution for your applications. Our experts can guarantee that proper installation procedures are being followed.

Our sales and engineering team is available to answer your questions and help you find the right solution for your machine tool needs.

Industry interchange information is available upon request or online at www.ntnamerica.com.

DISCOVER THE NEW NTN DIFFERENCE

Upon the acquisition of SNR, a leading European bearing manufacturer, the NTN machine tool bearing line has expanded to new levels.

NTN is committed to supporting the machine tool market with a wider product offering than ever before.

With over 4,000 part numbers and design options, we offer a perfect fit for just about any application. NTN's mission is to provide you with the best quality products, technical support and local inventory to meet your precision bearing requirements. ULTAGE™ and MachLine™ precision bearings provide the industry with more design options and a comprehensive mix of products for OEM and MRO applications – and they're offered up with the same commitment to quality that's driven NTN for over a century. Our sales and engineering team is available to answer your questions and help you find the right solution for your customer's machine needs. Whenever you need it, industry interchange information is available by request or online at www.ntnamerica.com.



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