

TRANSMISSION BEARINGS

METRIC TAPERED ROLLER BEARINGS



Challenge

A leading manufacturer of transmissions turned to NSK with a common challenge. They were unable to get delivery of a bearing that was designed uniquely for their application and was available from only one bearing manufacturer. The customer came to NSK to design in a bearing that was readily available and still met all the application requirements.

Solution

NSK analyzed the customer's drawings. The current design was for a wider inner ring bearing. This extension provided the seal contact surface. NSK was not just looking to find an acceptable bearing interchange that would provide a more readily available bearing selection, but was able to provide a complete redesign of the bearing, shaft, seal, o-ring and spacer system that resulted in improved product performance and reduced the customer's costs.



Result

- ➔ Improved Performance
- ➔ Reduced Costs
- ➔ Increased Product Life

Enhance your bottom line. Think NSK

NSK provided more than just a solution to the challenge, but provided suggestions for improving:

- ➔ Sealing performance through the reduced surface speeds of a smaller seal diameter.
- ➔ Bearing fit to shaft by making spacer and bearing inner diameters uniform.
- ➔ Bearing life by moving the o-ring out from under bearing to a new location.
- ➔ Product cost by providing a more standard bearing and reducing the amount of shaft stock required to be removed.

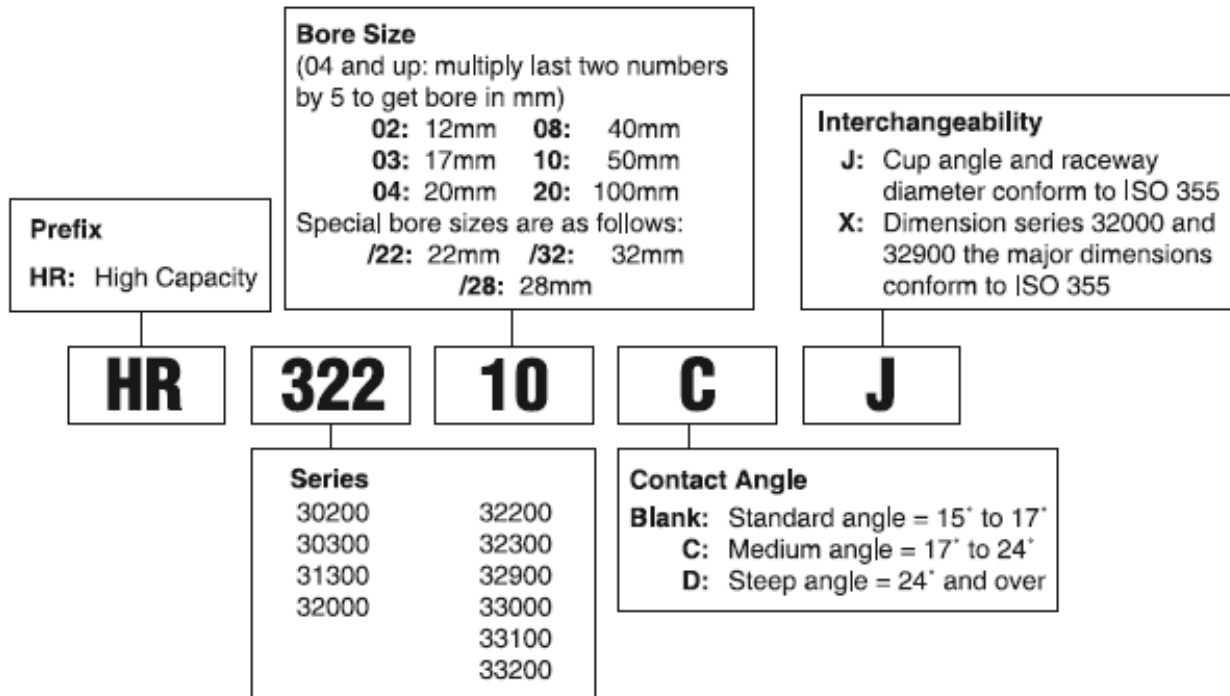
The customer asked for improved bearing availability and received so much more. Think NSK.

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METRIC TAPERED ROLLER BEARINGS

Metric Tapered Roller Bearings from NSK

Nomenclature — Metric Tapered Roller Bearings



Please refer to the bearing tables for exact part number options.

Offerings

NSK Now Offers:

- ➔ TF (Tough) Series Tapered Roller Bearings
- ➔ Low Torque Tapered Roller Bearings



Ask your NSK Representative for more information regarding these and more excellent problem solving products available from NSK.