

# Super Precision Service Package

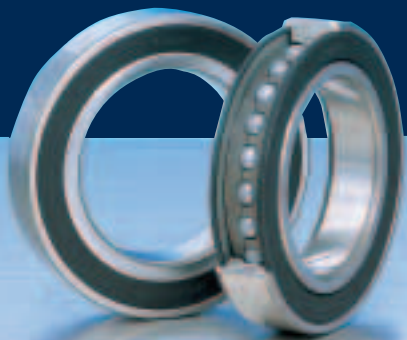
A dedicated package for precision bearing replacement in machine tools and spindles



NSK is a world leading manufacturer of ball and roller bearings with over 60 million Euro per year invested in Research and Development.

NSK has one of the largest ranges of precision bearings in the world and uses the highest technology possible in terms of design, tribology, manufacturing techniques and lubrication.

NSK has an established world leading Automotive Centre of Excellence and has received the Toyota zero defects per million award several times.



## NSK Distributors

Carefully chosen and meticulously monitored, NSK Authorised Distributors are professional, knowledgeable and service orientated. With an Authorised Distributor there is a consultative sales approach not just pushing commodity part numbers. They will stock factory-fresh quality assured product with consistent part numbers and latest technology specification enabling true peace of mind that only comes when you are part of a fully committed global and local alliance.

## The NSK service available through Authorised Distributors

### ● REACTIVE SUPPORT

- Fast response to customer queries

*Bearing references  
Application problems  
Failure analysis*

- Machine Tool sector engineers
- European Technology Centre
- Precision manufacturing in Europe

### ● PROACTIVE SUPPORT

- Site mapping

*Assist in constructing a database of machines, spindles and bearings*

*Upgrade product specifications to extend maintenance schedules*

*Develop knowledge of failure modes and critical processes*

- Application analysis
- Cost down projects
- Bearing samples for trial
- Condition monitoring interpretation

# Service Package NSK Service Package

## ● HIGH TECHNOLOGY PRODUCTS

- Innovative Materials – longer life

*Z Steel = 1.8 x life of standard bearing steel*

*EP Steel = 3 x life of standard bearing steel*

*SHX Steel = 4 x life of standard bearing steel*

- High Speed Technology

*High Speed S type = 20% faster than standard precision*

*High Speed H type = 60% faster than standard precision*

*High Speed X type = 100% faster than standard precision*

- Specialised lubrication technology
- Sealed bearings for greater protection
- Lower temperatures and greater reliability

## ● INDUSTRY KNOWLEDGE

- Global Presence

*40 factories World wide (2 dedicated to precision bearings)*

*4 Technology Centres – Japan, Europe, China, USA*

- Large OEM base across Europe

*DMG Group, Chiron, Mazak, Cincinnati, Bridgeport, Traub, Spinner, Sigma etc.*

- Preferred supplier for many automotive vehicles

*Toyota, VW, GM, Nissan, BMW, Mazda, Ford, Fiat, Honda, Mercedes-Benz, Rover, Suzuki, etc.*

- MRO projects across Europe

- Opportunity to emulate OEM quality and build at the MRO level

*Advice on build procedures for better quality training to optimise spindle life and reduce downtime.*

- Expertise in upgrading for higher reliability and performance
- Awareness of new products and technology

## ● SUPPLY CHAIN

- Stock audits
- Rationalisation of stock
- Stock profiling
  - Advising minimum/maximum stock levels*
  - Determining critical items*
- European warehouse
- UK local warehouse
- Distributor stock
- On-call distribution service

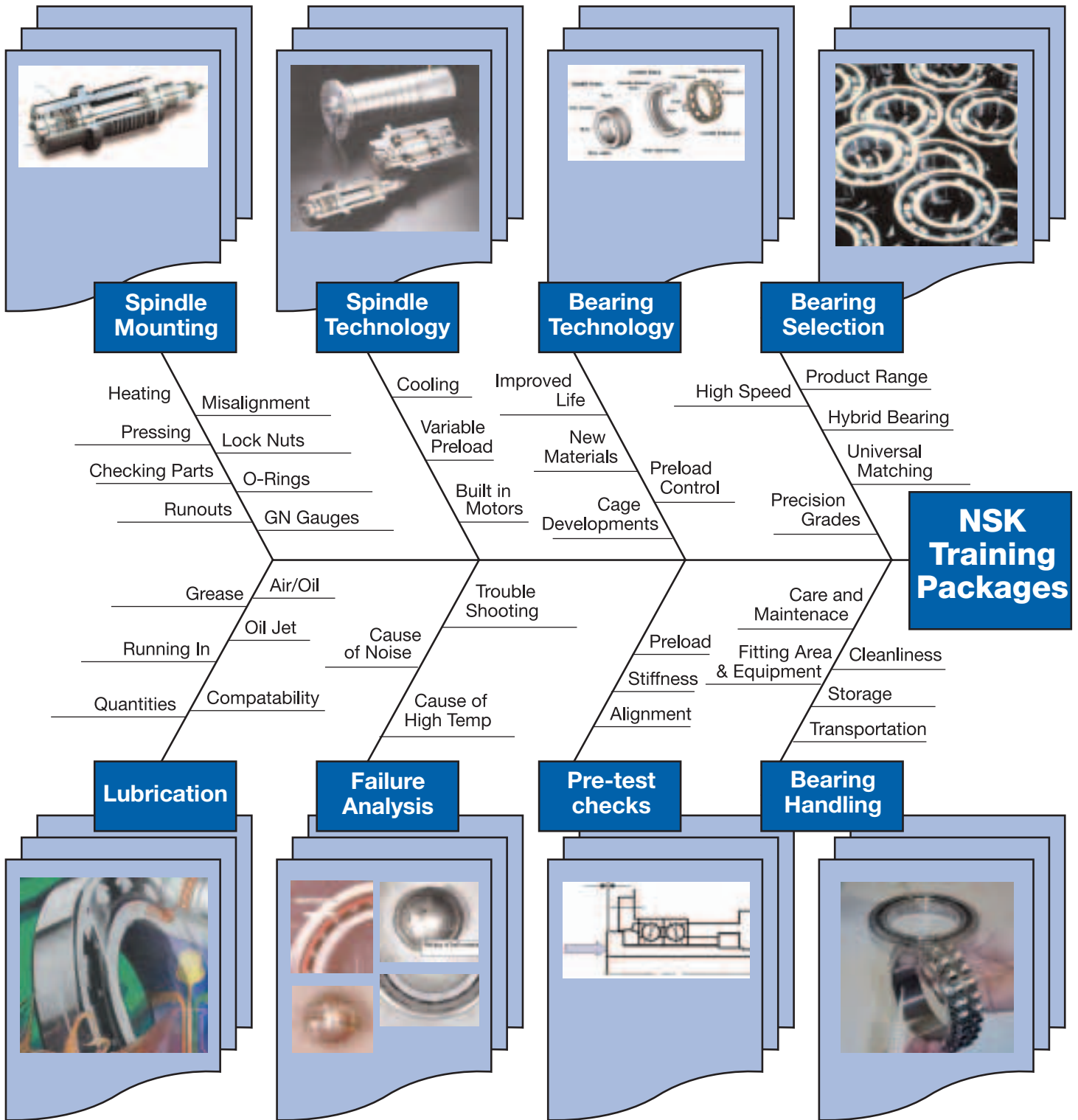
## ● TRAINING

- On or off-site training available
  - Care and maintenance*
  - Spindle build and bearing fitting*
  - Lubrication*
  - Failure analysis*
  - Product selection*
  - Technical machine knowledge*
  - Basic bearing knowledge etc.*
- One to one training as required
- Comprehensive training manuals and CDs
- Interactive product knowledge course see [www.eu.nsk.com](http://www.eu.nsk.com)
- Comprehensive product and technical catalogues
- Concise “How to do it” supplements for workshops
- Posters on machine tool build procedures
- Factory visits available



NSK  
has one of the  
widest product ranges of  
bearings in the World. NSK is an  
acknowledged leader in advanced  
motion technology, driving rapid  
developments in materials,  
lubrication and sealing to downsize  
bearings and reduce costs without  
compromising machine  
performance.

# NSK Training Packages



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