

# HSN INDUSTRIAL GROUP

- Engineering
- Machining
- Warehousing







#### **ABOUT US**

Since 1988, HSN has started the industrial bearings business, focusing on R&D, manufacturing and warehousing. By now, we have business in almost each city in China and 4000+ customers. Besides, HSN built the largest warehouse of ball & roller bearings for heavy industries in China.

Most importantly, in past years, HSN accumulated plentiful experience in countless industries, especially in oil & gas drilling, mineral processing, steel mill, paper mill, food processing and vehicle aftermarket.

30+ years of accumulation brings us:

- Steady supply chain system, excellent cost control ability
- 7000m2 warehouse, \$6,500,000 inventory all year round
- In-house testing lab with cutting-edge testing means
- Outstanding technical team, customized design and manufacturing

#### HSN MILESTONE

Family-owned business started. By now, business expanded to 600+cities, served 4000+ customers.

1988

Our first exporting company in our local city: HSN bearings

2015

<u>....</u>

-<u>Ö</u>-

In-house bearing testing laboratory & Testing service company.

2023

<u>\$</u>

2010

7000m self-owned warehouse built, keep 7 Millions US Dollars of inventory all year round. 2020

Two Subsidiaries: LRO Spare Parts & TMK Auto Parts



# **Spherical Roller Bearings**



CA



MA



CC



MB

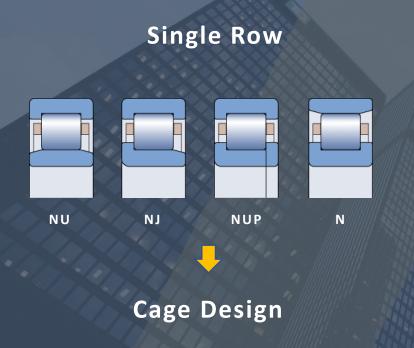


CCJA



E

# Cylindrical Roller Bearings



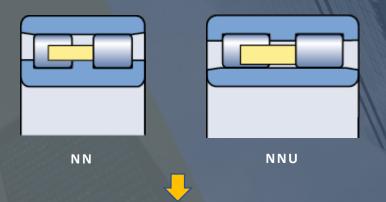








**Double Row** 



Structure Ref.





# Cylindrical Roller Bearings

#### **Four Row**



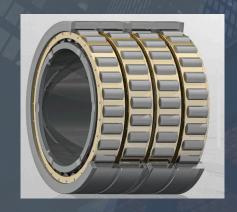
Two Inner Rings



FCDP - Steel cage



One Inner Ring



FCDP - Brass cage

#### **Full Complement**



NCF...CV



NNCF...CV



NJG...VH



NNF...ADB-2LSV

# **Tapered Roller Bearings**

Single Row



#### **Double Row**



TDI



TDO

#### **Four Row**



TQI



TQO

# Deep Groove Ball Bearings

Open



No Suffix

Single / Double Rubber Sealed



RS / 2RS

Single / Double Shielded



Z / ZZ

With Snap Groove or Ring



N / NR

Brass Cage



М

#### **Angular Contact Ball Bearings**

Single Row



Cage Design





М



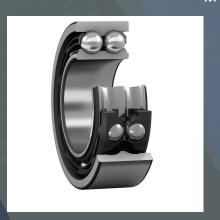


ТВ

#### **Double Row**



N



ΤN

STEEL



# **Angular Contact Ball Bearings**

Four-point Contact
Ball Bearings



QJF...MA



QJ...N2MA

#### **Thrust Roller Bearings**

Spherical Roller Thrust Bearings



Steel Cage E



Brass Cage EM



Brass Cage M

Cylindrical Roller
Thrust Bearings





Shorter Roller



Longer Roller

Tapered Roller
Thrust Bearings





Single Row

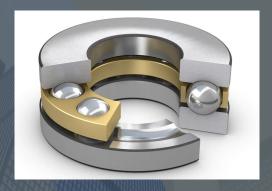


**Double Row** 

#### Thrust Ball Bearings

Thrust Ball Bearings





Single Row



Single Row



Double Row



Double Row



# **Super Precision Bearings**



With O-ring



Double Direction Thrust Ball Bearing



NN...(K) Series



Ceramic Roller Bearing

# Stainless Steel Bearings – 304 & 440

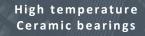




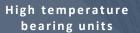
# High Temperature Bearings

High Temperature Bearings

High temperature graphite ball bearings with graphite cage















# **Ceramic Bearings**

**Ceramic Bearings** 

Full Ceramic Ball Bearings Hybrid Ceramic Ball Bearings Hybrid Ceramic Roller Bearings



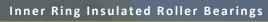




# **Insulated Bearings**

**Insulated Bearings** 

Outer Ring Insulated Ball & Roller Bearings











#### Track Rollers

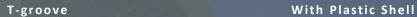


U-groove











Support Roller



Yoke Type Track Roller



Stud Type Track Roller

# Spherical Plain Bearings







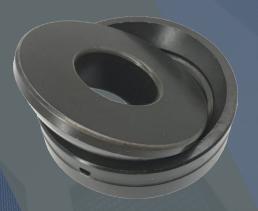
GE...LO



ЕШС...



GEH...ES



GAC...



SI



ET...



SA

# Miniature Bearings



Miniature Ball Bearings



Dental Drill Bearings



# **Mineral Processing Vibrating Screen Cone Crushers** Jaw Crushers

#### **Steel Industry**





The Most Featured Application – Steel Mill

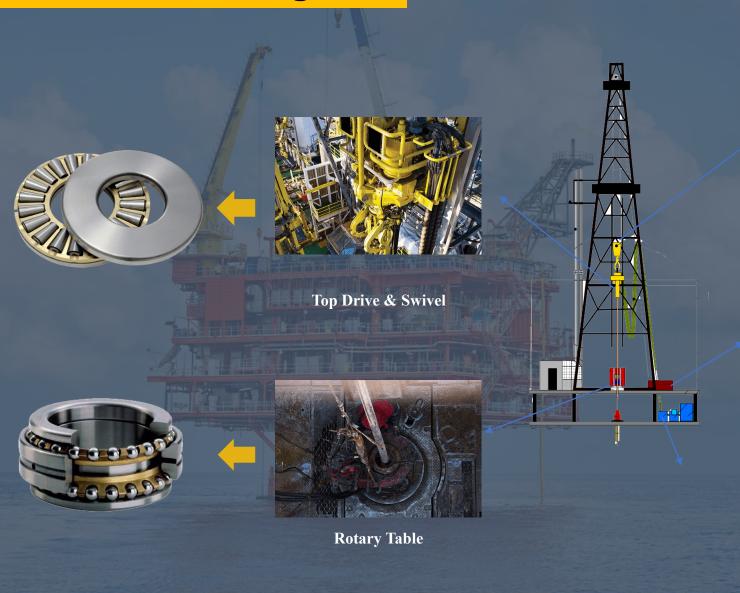






**Four Row Cylindrical Roller Bearings** 

#### Oil & Gas Drilling







**Travelling Block** 



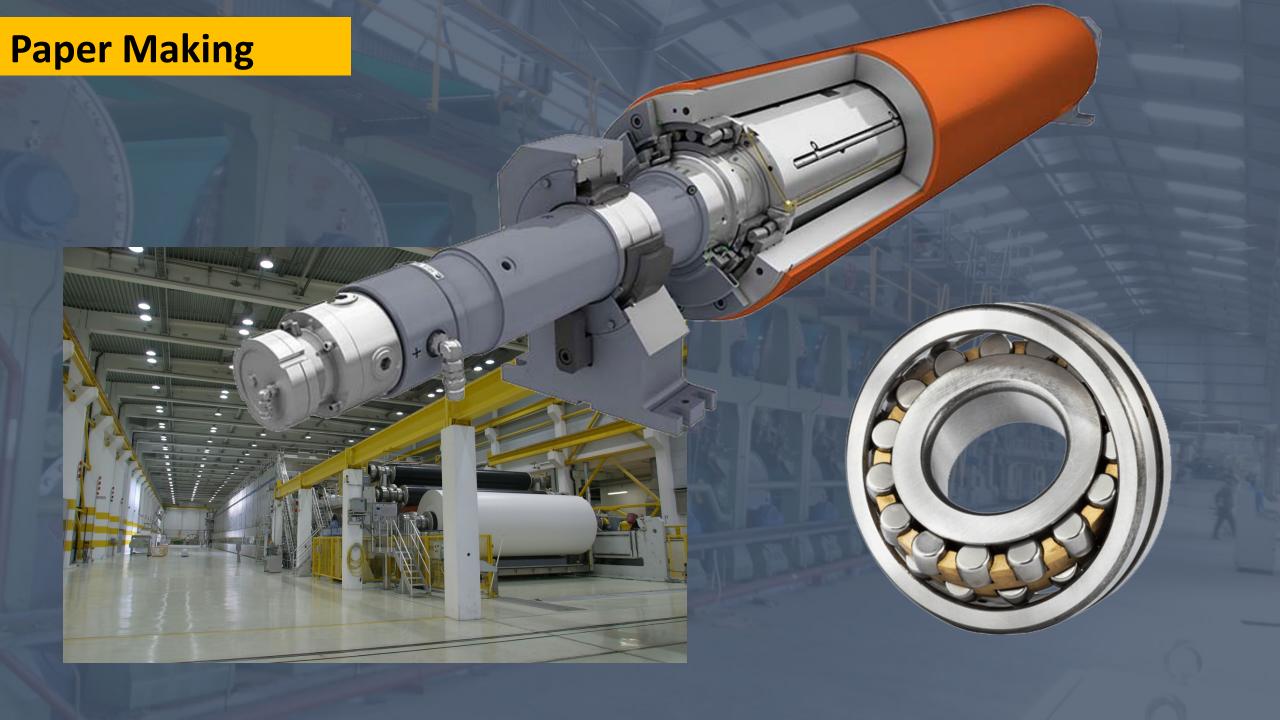


Drawworks





**Mud Pumps** 





#### **Applications In Passenger Cars**



Wheel End



**Transmission** 



**Differential Gear** 



**Engine** 

#### **Passenger Cars Bearing Types**



**Wheel Bearings** 



**Clutch Release Bearings** 



**Timing Belt Tensioner & Kit** 



**Other Types** 

# **Commercial Vehicle Bearings**



**Wheel End Products** 









# Bearing Solutions For Railway

#### **Featured Railway Bearings**



**Axlebox Bearings** 

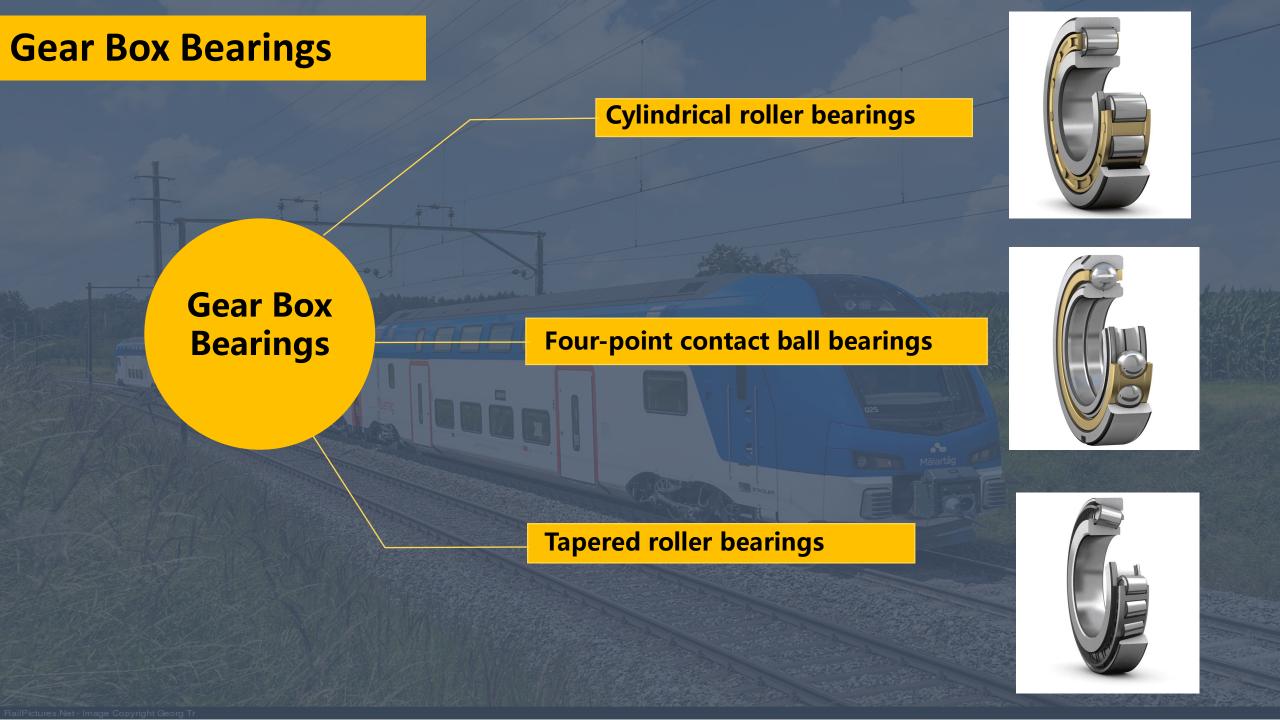


**Traction Motor Bearings** 



**Gearbox Bearings** 





#### **Traction Motor Bearings**



**Cylindrical Roller Bearings** 



**Deep Groove Ball Bearings** 



**Hybrid Ball Bearings** 



**Hybrid Roller Bearings** 



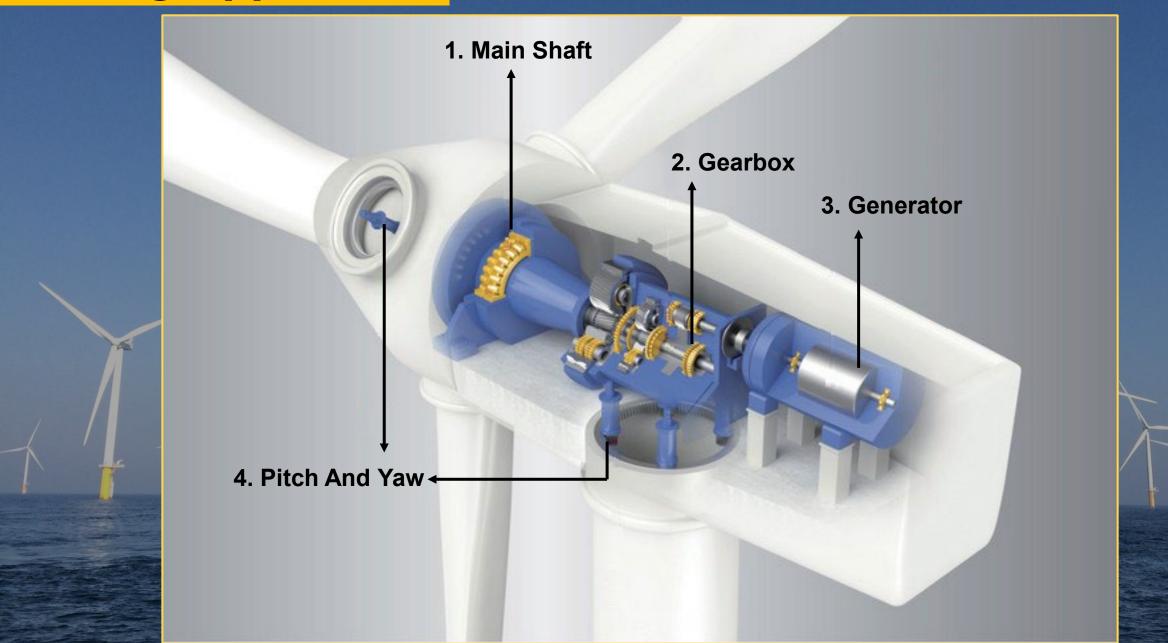
**INSOCOAT Ball Bearings** 



**INSOCOAT** Roller Bearing



# **Bearing Application**



#### **Main Shaft**

#### **Spherical roller bearings**



- > High reliability
- low maintenance
- longer bearing service life



**CARB** arrangements

#### Gearbox



Cylindrical roller bearings without outer rings



**Tapered roller bearings** 





Tapered roller bearings



cylindrical roller bearings Four point bearings

#### Generator

#### **Hybrid Ceramic Deep Groove Ball Bearings**



- High wear-resistance, Long service life
- Higher speed capability, Protection from electric current damage
- High bearing stiffness, Reduce maintenance costs

#### **Pitch and Yaw**

#### **Double-row Tapered Roller Bearing**



- Provides the necessary radial and axial load characteristics
- Easier installation, Improved serviceability
- Increased reliability, Reduced nacelle weight.

#### **Slewing Bearing**



- Increased performance by improved pitch control
- Higher turbine reliability even in harsh environments





# HSN INDUSTRIAL GROUP Your Trusted Industrial Assistant

Address: 10# Building, Baililai Industrial Park, LiaoCheng City, ShanDong, China

Tel.: +86-18606352048 / +86-15665787336

Email: service@hsnindustrial.com