

MARYLAND METRICS presents these brand 'Profiles' for some of the Bearings and Mechanical Power transmission products that we offer.



Country of Origin: India

Profile:

- Founded in 1973, and started producing needle roller bearings.
- In 1982 started producing bearings for automotive gearbox application (FIAT Italy collaboration)
- In 1986 opened a new factory and utilized testing & measuring equipment imported from Germany
- Currently produces over 2000 different bearings & configurations.
- Produce a wide range of ball & roller bearings for many specialized applications.
- ISO 9001:1999



Principal Series

- Large Cartridge Bearings – W200PP, W300PP
- Large Double Row Ball Bearings
- Thrust Ball Bearings
- Small Bore Spherical Roller Bearings
- Large inch & metric Needle Bearings

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Country of Origin: Romania

Profile

- Established as Romania's National bearing manufacturer more than 50 years ago.
- Comprised of 6 factories producing a range of over 6000 bearing parts & configurations, and employing over 15,000 employees.
- Annual Production over 2,000,000 pieces.
- ISO 9001 Certified - Lloyds Assurance # 201923/1995
TUV Cert # 1510021267
- Produces Spherical Roller Bearings for Rollway, marketed as Rollway Brand



Principal Series

- Spherical Roller Bearings
- Shaker Screen Bearings
- Double Row Ball Bearings (Max-Open)
- Angular Contact (7200B...etc)
- Self Aligning Ball Bearings
- Large Radial Ball Bearings
- Metric Tapered Roller Bearings

URB or URB/Rollway has supplied bearings to the following large customers:

- Dupont – Germany
- Mannesmann – Germany
- Hyundai – Korea
- Bethlehem Steel – USA
- Voest Alpine – USA
- Nucor-Yamato Steel – USA

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SYI

Country of Origin: Taiwan

Profile:

- Producer of High Quality Needle Bearings
- Established 1972

Approved at the following OEMs

- SYI brand needle bearings used by many motorcycle manufacturers (OEMs) such as Yamaha & Suzuki

Principal Series

- Roller Followers – NATR..PPX, NAST.., STO..
- NKI Series Metric Needle Bearing

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Country of Origin: France

Profile

- European leader in the supply of Aerospace bearings (excluding aircraft control) and the world leader in high technology special bearings and machine tool bearings.
- Officially established in 1952 with early precision manufacturing dating back to 1919.
- In 1979 built modern manufacturing facility in Valenciennes, northern France.
- Employs a workforce of approx 410
- Utilizes state-of-the-art noise testing to ensure highest quality production up to ABEC 9
- ISO9001 Certified since 1997 for "Design, manufacturing and sales of high precision bearings for space, aerospace and specific applications".
- Approved by NATO to AQAP-120 since 1998.



Principal Series

- ABEC 7 Precision Spindle Bearings: 7000, 7200, 71900 series
- High Speed Ceramic element bearings

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Country of Origin: Japan

Profile

- Manufacturer of quality ball bearings since 1946
- Annual output approx 4mm pieces
- Has manufactured bearings for NTN
- Has supplied bearings to Nachi & FAG.
- Manufacturers to strict JIS & ISO standards
- Seeking ISO 14001 in 2004

Principal Series

- Narrow Series Ball Bearings - 61800 & 61900 series
- Inch Series Radial Ball Bearings – R series
- Double Row Ball Bearings

OEM Sales - SMT has been supplied to the following OEMs

- | | |
|---|--|
| <ul style="list-style-type: none">• GM• Ford• Davenport• Alcoa | <ul style="list-style-type: none">• Fiat• Scania• Hilti• Heidelberger |
|---|--|

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Country of Origin: England

Profile:

- Producer of high quality Ball & Roller Bearings
- Started over 50 yrs ago as Blackwell Bearing
- Exports bearing to over 50 countries worldwide
- Supplies bearings to all areas of industry from Diamond mines to Steel Mills
- ISO9001 Registered & certified for design & production of Ball & Roller Bearings

Approved at the following OEMs/Companies

- British Steel
- David Brown Gears
- Renold Gears
- Simon Machinery
- Railcare / Scottish Power



Principal Series

- Angular Contact Ball Bearings - XLJT, LJT, MJT
- Duplex Ball Bearings - QJL, QJM
- Cylindrical Roller Bearings - LRJ, LRJA, LLRJ, LLRTA, LLRJB, LLRJN MRJ, MRJA, MMRJ, MMRJA, MMRJB, MMRJN XLRJ, XLRJA
- Externally Aligning Roller Bearings - RLSN, RMSN, & E
- Double Row Self Aligning Ball Bearings - NLJ, NMJ

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Country of Origin: Turkey

Profile:

- Established under the license of Steyr Austria in 1983
- Marketed as ORS/Steyr until 1991 when SKF bought Steyr
- Producer of High Quality Electric Motor Quality Radial Ball Bearings
- 100% noise & vibration tested
- ISO 9000/QS9000/ and ISO/TS16949 Certified. One of the first ISO certified ball bearings companies in the world - 1993
- Purchase their steel from SKF-Sweden, Desford Tubes- UK, Walzahger Ruhr – Germany & Sanyo Japan

Approved by the following OEMs/Companies

- | | | |
|---|---------------------------|--------------------------------|
| • BMC | • Kohler Engines | • Robert Bosch |
| • Borg & Beck | • Kord SA | • Rockwell Firesafe Insulation |
| • Bosch-Seimens | • Litens Automotive Group | • Rueland Electric |
| • Chrysler | • Lucas Alternators | • Siemens |
| • Daimler-Benz | • Mako | • Siemens-Abana |
| • Dana | • Massey Ferguson | • Solo |
| • Diavia | • Mast Pumpen | • Steyer Tractor |
| • Eaton Hydraulics | • Motogen | • Stiebel |
| • EMTAS | • Motovario | • Stihl |
| • FAAC | • MTU Friedrichshafen | • Technodrive |
| • Fiat | • New Holland | • Tecumseh |
| • FIET | • Otosan | • Tofas |
| • Ford | • Otoyol | • Tumosan |
| • General Electric Transportation Systems | • Parker | • Uzel |
| • Iveco | • PEG | • Valeo |
| • Kaercher | • Reliance | • Volvo |
| • Karsan | • Renault | |

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Country of Origin: China

Profile

- Manufacturer of high quality Spherical Plain Bearings
- Founded in 1958
- ISO 9001 Certified since 1995
- Produces 10 million + pieces annually, with 1300 varieties
- Used in more than 20 Industrial countries including: Germany, Italy, France, England, Sweden, Finland, Australia, Japan, Israel, & Canada



Common Applications

- Mining
- Electrical Power Equipment
- Pharmaceutical Production
- General Manufacturing

Principal Series

GEZ..ES (2RS)	GEH..ES (2RS)	GEM..ES 2RS
GE..ES (2RS)	GEG..ES (2RS)	GAC..G
GAZ..SA	GX..F	COM...
HM (L) & HF (L) Inch Rod Ends	SA(L) & SI(L) Metric Rod Ends	

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KYK

Country of Origin: Japan/China

Profile

- Established 1952
- Manufactures high quality Ball Bearings from 6mm to 60mm bore
- Sold in many countries throughout the world
- In 2002 moved production to China. Packaging & inspection conducted in Osaka plant



Principal Series

- Small Single Row Radial Metric Ball Bearings- 6000, 6200, 6300
- Double Dow Angular Contact Ball Bearings
- Inch dimension Single Row Radials, 1600, R-Series
- 61800 & 61900 Narrow Series Ball Bearings
- Stainless Steel Single Row Radial Ball Bearings

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KSK

Country of Origin: Japan

Profile

- A manufacturer of high quality ball bearing since 1955
- Annual output approx. 9mm pieces per year
- All bearings produced to high JIS standards
- Has manufactured bearings for Nachi
- Will attain ISO9001/2000 in early 2004

Principal Series

- Small Single Row Radial Metric Ball Bearings, 6000, 6200, 6300
- Inch dimension Single Row Radial Ball Bearings, 1600, R-Series
- Stainless Steel Single Row Radial Ball Bearings
- 600 Series Metric Miniatures
- 16000 series Ball Bearings
- 63000, 62300 Series Cartridge Bearings
- 61800 & 61900 Narrow Series Ball Bearings
- Felt Seal Bearings - 8000, 87000, 88000, WC8000, WC87000 WC88000

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Country of Origin: Japan

Profile

- Manufacturer of high quality Needle Bearings
- Incorporated May 1964.
- Utilize state of the art technology to insure quality production.
- Sells Needle bearings in over 39 countries.
- ISO 9001 Certified

Principal Series

- Roller Followers – NATR..PPX, NAST.., STO..
- NKI Series Metric Needle Bearing



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Country of Origin: Japan

Profile:

- Established 1946
- Annual output 1mm pieces
- Member of the Japanese Bearing Industries Association
- Produce high precision radial ball bearings to strict JIS & AFBMA standards

Principal Series

- Double Row Ball Bearings
- W200PP & W300PP Cartridge Bearings
- 63000, 62300 Series Cartridge Bearings
- Felt Seal Bearings - 8000, 87000, 88000, WC8000, WC87000 WC88000
- Insert Bearings – ER (SER) style
- Self Aligning Ball Bearings – 2200 2RS series
- Special Self Aligning Ball Bearings I71200 , RL inch

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ISC

NSK MICRO PRECISION CO.,LTD.

Country of Origin: Japan & Malaysia

Profile:

- Manufacturer of high quality Miniature Instrument Precision Bearings ranging in bore size from 1mm to 20mm.
- A division on NSK Japan
- Founded in 1949 as manufacturer of Steel Balls (Ishii Steel Ball company) and began producing bearings in 1951
- Formed a business affiliation with NSK in 1961, and subsequently took the name of NSK Micro Precision Company in 1979.
- ISO 14001 Certified – Japan
- ISO 9002 Certified – Malaysia



Principal Series

- Inch Series Miniatures - R series, RI...ZZ...etc
- SS Inch Series Miniatures SSR., SSRI...ZZ...etc
- Metric Series Miniature – 600, R...ZZ, L...ZZ...etc
- SS Metric Series Miniatures – SS600, SSR...ZZ, SSL...ZZ
- Flanged Inch & Metric Miniatures – FR., RIF...ZZ...etc
- SS Flanged Inch & Metric Miniatures – SSFR., SSRIF...ZZ, SSLF...ZZ
- High Precision Miniatures – A5 & A7

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Country of Origin: Switzerland

Profile

- Manufacturer of high precision ball and roller bearings
- Company was founded in 1918 and has been active in bearing technologies for the last 25 years.
- German corporation with production facilities in Germany, Switzerland & Taiwan.
- Annual output approx 7.5 – 10mm pieces
- Quality system is certified to DIN EN ISO 9001/2000 for design, development & production of bearings
- Has process ability for ABEC 9 tolerances.
- Subcontracts for major precision bearing manufacturers



Principal Series

- 7000, 7200, 7300 Series Spindle Bearings (a.k.a. B7000C.T.P4S.UL, OR 7200CTGAP4....etc)
- Ball Screw Support Bearing (example..TAC...series)

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Country of Origin: Taiwan

Profile

- Manufacturer of high quality Bearing Housings, Adapters & power transmission components.
- A division of large industrial conglomerate established in 1959, that produces machine tools, power tools, construction machinery, bearing housings, elevator & forklift equipment.
- In 1988 established a joint-venture with SKF Mekan AB of Sweden, the largest bearing housings manufacturer in the world.
- ISO 9001 Certified



Principal Series

- Split Housings – SAF..., SN..., FSAF..., SDAF..., SD..., SNL...
- Adapters & Sleeves – H2..., H3..., AHX..., AOH...
- Accessories – LER rings, KM..., MB..

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EZO

Country of Origin: Japan

Profile:

- Producer of high quality miniature ball
- ISO9001 Certified



bearings

Principal Series

- Inch Series Miniatures - R series, RI...ZZ...etc
- SS Inch Series Miniatures SSR., SSRI...ZZ...etc
- Metric Series Miniature – 600, R...ZZ, L...ZZ...etc
- SS Metric Series Miniatures – SS600, SSR...ZZ, SSL...ZZ
- Flanged Inch & Metric Miniatures – FR., RIF...ZZ...etc
- SS Flanged Inch & Metric Miniatures – SSFR., SSRIF...ZZ, SSLF...ZZ
- Precision Miniatures – A3, A5

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Country of Origin: Spain

Profile

- Manufacturer of high quality Tapered Roller Bearings & supplier to European OEM automobile industry for over 40 years
- Has produced Tapered Roller Bearings for several major manufacturers
- ISO 9001:1994/ Lloyds Certified
- Manufactures to ISO R355 / ANSI/AFBMA19.0/1 Standards

Common Applications

- Tractors
- 4x4's
- Excavators
- Low & Heavy Tonnage Trucks
- Farming Machinery
- Cars

Principal Series

- Inch Tapered Roller Bearing Sets
- Metric Tapered Roller Bearings - 30200, 30300, 31300 32000X, 32200, 32300, 33000, 33200

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Country of Origin: China

Profile

- Established 1979
- Producer of quality Mounted Units & Ball Bearing Inserts
- Solid Base construction
- Annual output 6.4mm pieces
- ISO9001 Certified
- Winner of several Chinese awards for quality production
- Production has been approved by SNR, INA and NSK



Principal Series

- UCP, UCF, UCFL, UCFC, UCPA Ball Bearing Mounted Units with wide inner ring, set screw type inserts.
- HCP, HCF, HCFL Ball Bearing Mounted Units with wide inner ring, eccentric lock type inserts
- SBP, SBF, SBFL Ball Bearing Mounted Units with flush inner ring, set screw type inserts
- SAP, SAF, SAFL Ball Bearing Mounted units with flush inner ring, eccentric type inserts
- SBPP & SAPP Stamped Steel Ball Bearing Units
- UC, HC, SB, SA, CSB, CSA Ball Bearing Inserts

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Country of Origin: Japan

Profile:

- Manufacturer of high quality radial ball bearings
- Started in 1945 as manufacturer of Bicycle parts, but later shifted focus to ball bearings.
- Received JIS (Japanese Industrial Standard) certification in 1959
- Has manufactured bearings for INA



Principal Series

- Cartridge Bearings – W200PP & W300PP
- Cartridge Bearing European – 63000 2RS
- Extra Light Ball Bearings – 16000 series

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