

MERCHANT ENGINEERING

ADAPTER SLEEVES | WITHDRAWAL SLEEVES | LOCK NUTS | LOCK WASHERS

CNC MACHINED SLEEVES







Merchant Engineering has positioned itself by **HKG** brand as a key contender in the manufacturing industry, focusing on the production of adapter sleeves by the name of **HKG** products.



Merchant Engineering is a prominent name in India's adapter sleeve industry, recognized for its dedication to quality and innovation. Leveraging cutting-edge technology and adhering to international standards, the company guarantees outstanding product performance and reliable service.



Merchant Engineering features a vast production facility, allowing it to manufacture high volumes with stagnant quality of products. This capability enables the company to cater to the needs of various industries while ensuring both efficiency and adaptability.





Merchant Engineering has positioned itself by HKG brand as a key contender in the manufacturing industry,

- Established in 2007, leading name in manufacturing of adapter sleeves from almost 2 Decades
- Located in Jalandhar, India approx. 400 Km from National Capital Delhi
- Outstanding infrastructure expanded in span of 60000 sq. Ft. area
- All in house operations including designing, heat treatment, machining, etc
- String work force of 180+ workers
- To provide best quality products at most competitive prices for our customers

ORGANIZATIONAL CHART







MANAGING DIRECTOR SUDHIR GUPTA

> **EXPORT DEPARTMENT** RAJESH ANAND

ACCOUNTS DEPARTMENT DHARAM SINGH

HR DEPT

RANA SHANKAR



DIRECTOR TECHNICAL

SAHIL GUPTA

R&D DEPARTMENT

SHUBHAM KUMAR

SALES DEPT

HIMANSHU GOEL

COMPLIANCE DEPT

RAHIL SINGH

TESTING DEPT

ASHOK KUMAR



DIRECTORS OPERATIONS TUSHAR GUPTA

PRODUCTION DEPT

DESHRAJ SHARMA

QUALITY DEPT

JOGRAJ SINGH

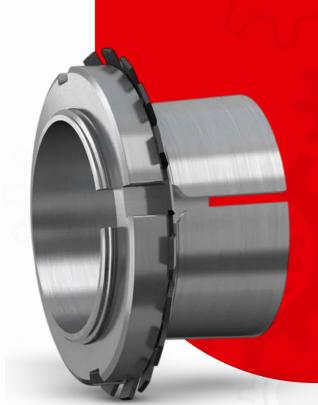
MAINTENANCE DEPT

MANIPAL SINGH

SECURITY DEPT

RAJINDER KUMAR





ADAPTER SLEEVES

PRODUCT OVERVIEW

DEFINITION AND PURPOSE

Adapter sleeves are critical components designed to fit securely over shaft diameters or house bearings, enabling the smooth and efficient assembly and disassembly of machinery. These components play a vital role in ensuring operational efficiency and minimizing downtime in mechanical systems.

APPLICATIONS IN INDUSTRY

These components are extensively utilized across a range of industries, including automotive, aerospace, and manufacturing, where they serve as essential elements for machine assembly and maintenance.

SPECIFICATIONS AND STANDARDS

Merchant Engineering strictly follows international specifications and standards, ensuring that each adapter sleeve produced meets stringent quality and performance criteria vital for industrial applications.

Product Portfolio







ADAPTER SLEEVES



H-SERIES

- 200 SERIES
- **300 SERIES**
- 2300 SERIES
- **3000 SERIES**
- **3100 SERIES**
- 3200 SERIES
- 24000 SERIES
- 24100 SERIES

HE-SERIES

- 200 SERIES
- **300 SERIES**
- 2300 SERIES
- **3000 SERIES**
- 3100 SERIES
- 3200 SERIES
- 24000 SERIES
- 24100 SERIES

OH-SERIES

- 2300 SERIES
- **3000 SERIES**
- 3100 SERIES
- **3200 SERIES**
- 24000 SERIES
- 24100 SERIES



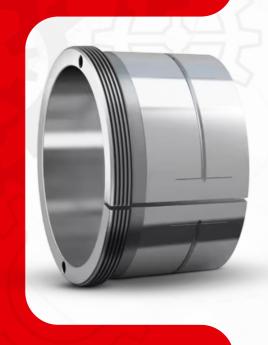
WITHDRAWAL SLEEVES

AH-SERIES

- **300 SERIES**
- **300 SERIES**
- **300 SERIES**
- **3000 SERIES**
- **3100 SERIES**
- **3200 SERIES**
- **3** 24000 SERIES
- 24100 SERIES

AOH-SERIES

- 2300 SERIES
- **3000 SERIES**
- **3100 SERIES**
- **3200 SERIES**
- **3** 24000 SERIES
- **3 24100 SERIES**





LOCK NUTS



KM-SERIES

00 - 40

KML-SERIES

24 - 40

HM-SERIES

42 - 96

HML-SERIES

42 - 96

AN-SERIES

00 - 96

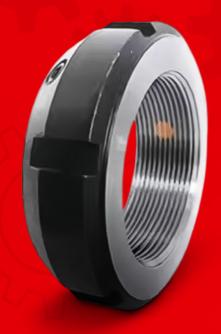
ANL-SERIES

24 - 96

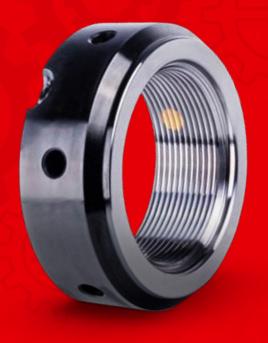


PRECISION LOCKNUTS

KMT-SERIES



KMTA-SERIES



Testing Facilities





BHN HARDNESS TESTER



SPECTRO ANALYSIS



UNIVERSAL TENSILE TESTING



CO-ORDINATE MEASURING INSTRUMENT



DIGITAL HARNESS TESTING



COMAPARATORS



BORE GAUGES



DEPTH GAUGES



MICROMETRE



THREAD PROFILE TESTING



PRODUCTION CAPACITY AND QUALITY ASSURANCE

PRODUCTION CAPACITY

Merchant engineering

Has the capability to produce **two hundred thousand** of adapter sleeves

each month, enabling us to meet the

growing market demands with

consistent efficiency and reliability.

PRECISION MANUFACTURING

Leveraging advanced machinery
and robotic systems, we ensure
precision throughout the
manufacturing process, delivering
adapter sleeves that meet the highest
standards of accuracy and
performance. Qualified engineers
to ensure stringent precision for every
piece

QUALITY CONTROL MEASURES

Our stringent quality control
procedures are central to our
operations. Every product undergoes
thorough testing and inspection to
ensure full compliance with
international quality standards.





STEP-BY-STEP PRODUCTION PROCESS

Each phase of our production process is meticulously planned, starting from the procurement of raw materials to the final inspection of the finished product. This structured approach ensures both transparency and operational efficiency at every stage.

KEY STAGES IN MANUFACTURING

The manufacturing process is divided into critical stages, including material preparation, machining, finishing, and quality assurance. Each step is carefully designed to optimize production efficiency while maintaining the highest standards of product quality.

VISUAL REPRESENTATION OF FLOW

A visual flowchart outlines the systematic progression of our production process, illustrating how each stage is interconnected and contributes to the seamless execution of the overallmanufacturing process.



RAW MATERIAL AND SOURCING



MATERIAL SELECTION CRITERIA

Our selection process for raw materials focuses on durability, compatibility, and performance metrics, ensuring that every component meets industrial specifications and customer needs.



SUPPLIER RELATIONSHIPS

We maintain robust relationships with trusted suppliers, allowing us to source high-quality materials consistently and foster a collaborative approach to innovation and problem-solving.



IMPACT ON QUALITY

The foundation of product quality lies in our raw materials; superior material sourcing directly contributes to the performance and longevity of the adapter sleeves we produce.







SUSTAINABILITY INITIATIVES

Merchant Engineering is dedicated to sustainability, implementing initiatives that reduce our carbon footprint and promote eco-friendly manufacturing practices throughout our operations.



WASTE MANAGEMENT

We employ comprehensive waste management strategies to minimize waste generation, promote recycling, and ensure proper disposal of hazardous materials as per industry regulations.



COMPLIANCE WITH REGULATIONS

Strict adherence to environmental regulations is key to our practices; we ensure compliance with both local and international laws regarding manufacturing and sustainability



TECHNOLOGICAL INNOVATIONS

ADVANCED MANUFACTURING TECHNIQUES

We leverage cutting- manufacturing latest techniques that enhance precision and efficiency, utilizing technologies such as CNC machining and additive manufacturing to minimize waste and optimize processes.

AUTOMATION IN PRODUCTION

The integration of automation into our production line has significantly improved efficiency, consistency, and precision, enabling us to meet growing demands without compromising quality.

RESEARCH AND DEVELOPMENT

A strong focus on R&D encourages continuous improvement and innovation, resulting in new product lines and improved manufacturing processes that keep us ahead of industry trends.



MARKET POSITION AND COMPETITIVENESS

MARKET SHARE ANALYSIS

Our substantial market share in the adapter sleeve manufacturing sector positions us as a leader, demonstrating our ability to meet industry demands effectively.

COMPETITIVE ADVANTAGES

Key competitive advantages include our commitment to quality, rapid production capabilities, and strong customer service, which collectively enhance our market position

CUSTOMER BASE

With a diverse customer base spanning multiple industries, our products cater to the unique needs of various sectors, fostering ongoing relationships



CASE STUDIES: SUCCESSFUL PROJECTS



CLIENT TESTIMONIALS

Feedback from our clients underscores the quality and reliability of our products, showcasing how Merchant Engineering has become a trusted partner in their operations.



PROJECT HIGHLIGHTS

Highlighting successful projects demonstrates our capability to deliver tailored solutions that meet specific client requirements, reinforcing our position in the industry.



IMPACT ON CLIENT OPERATIONS

The positive impact of our products on client operations, including efficiency improvements and reduced downtime, illustrates the real-world value we provide through our offerings.



We are actively engaged in developing new products tailored to emerging market needs, focusing on enhancing our product lineup to meet and exceed customer expectations.

STRATEGIC GOALS

Strategic GOALS

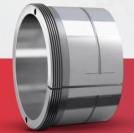
Strategic GOALS

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STRATEGIC GOALS

Merchant Engineering is steering towards strategic goals that prioritize innovation, market penetration, and sustainable practices to secure our long-term growth trajectory. Strategic market expansion plans aim to enter new geographic territories and sectors, leveraging our existing strengths to capture a broader audience.



FUTURE GROWTH AND EXPANSION PLANS





THANK YOU



www.hkgsleeves.com