



# Bhalla Fasteners

AN ISO 9001.2015

**SYMBOL OF STRENGTH & ENDURANCE**

## Bhalla Auto Manufacturing Co.

Bhalla Auto Manufacturing Co. , C-164 Phase-V, Focal Point, Ludhiana ,141010, Punjab, India

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We at Bhalla Auto Manufacturing Co. are making quality fasteners .

We are a leading manufacturer & supplier of Bolts & Nuts of all Kinds (Cold and Hot forged), Rivets, Studs & Precision Fasteners both in Mild steel, stainless steel as well as in Alloy steel confirming to various National & International Standards. We also manufacture fasteners for Earth-Moving equipments and automobile components.

### **OUR VISION:**

To be the provider of Innovative and High Quality Fasteners to Automotive and other industries, consistently at Competitive Prices.

### **OUR MISSION:**

To provide High Quality Fasteners at competitive Prices, through Market-Focused and Process-Centered Approach.





At Bhalla Fasteners we have the infrastructure which is a blend of multi station Bolt forming imported and conventional forging machines competent enough to forge material into Hex, Round head or any desired shape with the cut off diameter capability (8mm to 24mm) and feed length capacity (400mm). Different grade materials are being used to conform to 4.6, 8.8, 10.9 or 12.9 grade. Dimensions are maintained according to the industry standards. We come up with the wide variety of specifications in narrow range of fields which can be suitable for intended applications.



### **CNC turning lathe machines**

To fulfil the need of precision machine components we have the infrastructure of CNC turning machines to manufacture the required component for Diameter 100mm \* length upto 300mm. We are producing series of products with the use of CNC machine, as it has touched almost every form of manufacturing process.



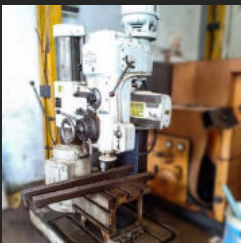
### **Press shop**

Availability of various hydraulic and power presses to aid manufacture of all types of sheet metal components and washers ranging from 20 ton to 100 ton. These presses are built to heavy-duty standards and designed to work at a high speed.



### **Heat treatment**

Heat treatment is done in controlled atmosphere to nullify chances of decarburisation and this ensures uniformity of results with no thread distortion. In order to produce a quality product, the complex matrix of factors of heat treating cycle is being controlled properly.

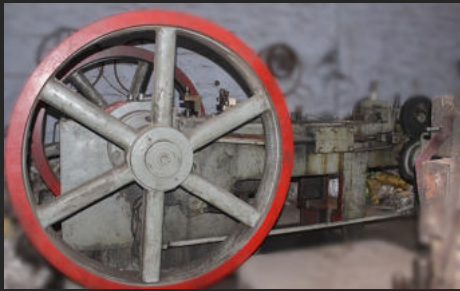


### **Plating :**

The following types of plating can be provided :-



1. Black Phosphate
2. Dacromet
3. Electro Zinc Galvanized
4. Copper Plating
5. Nickel Plating
6. TIN Plating
7. Mechanical Hot Dip
8. Powder Coating
9. Cadmium Plating
10. Lead Plating



In House electroplating plant and Hot dip zinc plant having a capacity of over 3 M.T per day is available for providing the desired plating. Hot Dip Galvanizing is done according to ISO 1461 or BSEN 10684. Standard thickness provided is more than 70 microns. Electroplating is done using trivalent passivation (CR3) for both white and yellow plated products and hence is free from all hazardous material. Coating thickness provided is 12 microns following ISO 4042 standard. Dacromet and Geomet coating is done following ISO 6047.

We have certain items in our stock inventory to enable immediate delivery. We have an installed capacity to produce fasteners upto 500 Metric tones.

### Testing Process

Our infrastructure includes in house testing unit to assure that the manufactured products are as per the industrial parameters. In addition to this we provide proper quality checkup from govt recognized centres and provide certifications also for the material hardness quality. We develop and enact the effective quality test going through various key testing phases and ultimate techniques for uplifting the product.



Bhalla fasteners Bolts are processed by both hot forging and cold forming systems. Our regular production includes the following specifications.



Item	4.6/4.8	5.6/5.8	6.8	8.8	10.9
<b>Hex Bolts</b>					
DIN601/558	•	•	•		
DIN931/933	•	•	•	•	•
ISO4014/15	•	•	•	•	•
ISO4017/18	•	•	•	•	•
<b>Cup Square Bolts</b>					
DIN603	•	•	•	•	
BS4933	•	•			
<b>Square Square Holding Down Bolt</b>					
BS7419	•			•	
<b>Structural Bolts</b>					
DIN 7990	•	•	•	•	
<b>High Strength Friction Grip Bolts</b>					
DIN 6914				•	•
A325M				•	•
A490				•	•
<b>Nib Bolts</b>					
	•	•	•	•	
<b>Round Head Bolts</b>					
	•	•	•	•	
<b>Bolt Blanks</b>					
	•	•	•	•	

Diameter	Cold Forging	Hot Forging
M6	10-160	
M8	10-160	
M10	20-180	30-600
M12	25-180	40-600
M14	25-250	40-600
M16	30-250	40-1000
M18	30-250	40-1000
M20	35-250	60-100
M22	35-250	60-1000
M24	50-250	60-1000
M27		60-1000
M30		70-1000
M33		70-1000
M36		100-1000
M39		100-1000
M42		100-1000
M45		100-1000
M48		100-1000
M52		100-1000
M56		100-500
M64		100-500



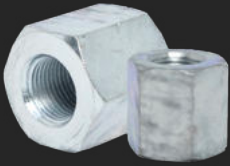


## 35 YEARS OF EXPERTISE

At Bhalla Auto Manufacturing Co., we place an emphasis on providing high quality products & services to our customers, resulting in long term relationships.

Our business is oriented towards small and large customers where we can tailor a program to meet their specific needs. Our staff has a wide array of experience in fastener quality assurance. We visit our suppliers regularly to verify system compliance and to gain new knowledge of their quality assurance systems and practices.





Bhalla fasteners manufacturers a comprehensive range of Bolt and nuts using both hot forging, cold forging, bar turning and milling processes. Our regular production includes the following specifications.

ISO | DIN | BS | AS | ANSI | ISI



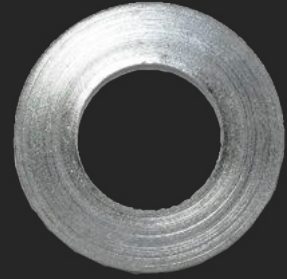
Type	Range (Metric)	Grade	Range (Inch)
Hex Nuts	M6-M100	5,6,8,10	1/4"-4"
Nylon insert Nuts	M8-M64	6,8,10	3/8"-2.1/2"
Heavy Hex Nuts	M12-M100	8,10	1/2"-4"
H.S.F.G. Nuts	M12-M48	8,10	1/2"-2"
Castle/slotted Nuts	M8-M50	5,8,10	3/8"-4"
Flanged Nuts	M16-M64	6,8,10	5/8"-2.1/2"
Jam Nuts	M12-M64	6,8,10	1/2"-2.1/2"
2H Nuts	M12-M64	6,8,10	1/2"-2.1/2"

We also manufacture application/profile nuts to customer's requirements and specifications.

Our standard size range of nuts are available from Diameters **6MM to 60MM** and also in corresponding Inch sizes Diameters **1/4" to 3"**.

Also we produce washers to all the relevant international standards DIN, ISO, BS, AS, ANSI, NEN and JIS and also to specialized drawings and specifications, with customer specified close tolerances - Internal and External Diameters, thickness and Profiles.

Standard CRC, HRC, Alloy spring Steel as per application used in manufacturing.



- Standard Punched Washers
- Flat Machined Washers
- Spring Washers
- DTI washers
- Load Indicating Washers
- Square Plate Washers
- Tapered Washers
- Through Hardened Washers
- Fan disc Washer

SPECIFICATION	MATERIAL	SIZE
DIN 125 A,B / ISO 7089,7090	MILD/ALLOY STEEL	M2.5-M64
DIN 126 / ISO 7091	MILD/ALLOY STEEL	M5-M64
DIN 127	MILD/ALLOY STEEL	M5-M64
DIN 9021 / ISO 7093-1/2	MILD/ALLOY STEEL	M2.5-M64
DIN 440 / ISO 7094	MILD/ALLOY STEEL	M5-M64
DIN 443-1.2 / ISO 7092	MILD/ALLOY STEEL	M5-M64
DIN 7989/7980	MILD/ALLOY STEEL	M5-M64
ASTM F436 (A235)	MILD/ALLOY STEEL	1/2"1.1.1/2"
DIN 436	MILD/ALLOY STEEL	M5-M64
BS 4320	MILD/ALLOY STEEL	M5-M64





Our Fully Threaded Rods & Studs are made both in mild steel and high tensile materials to DIN 975, DIN 976 - Form A and B.

### The Threads:

- Metric • Metric Fine • BSW • BSF • UNC • UNF

Dia.	Self Colour	Zinc plated	Hot dip galv.
M6	•	•	
M8	•	•	
M10	•	•	
M12	•	•	
M14	•	•	
M16	•	•	•
M18	•	•	•
M20	•	•	•
M22	•	•	•
M24	•	•	•
M27	•	•	•
M30	•	•	•
M33	•	•	•
M36	•	•	•
M39	•	•	•
M42	•	•	•

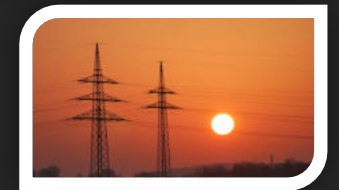
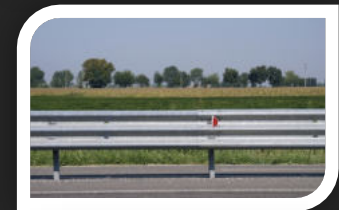
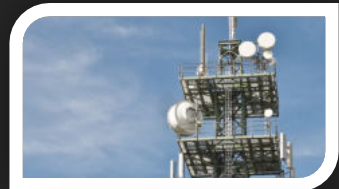
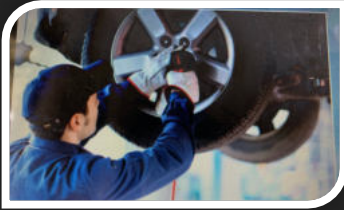
Our studs are available in customer specified lengths with various thread combinations such as left threads, right threads and trapezoidal threads. We have the flexibility of supplying studs in various grades and material types to customer requirement.



**Hot dip galvanized threaded bars/studs can be supplied in STANDARD and ISO thread fits in lengths upto 3000mm.**

All the above mentioned dimensions are available in inch sizes to **British and American specifications**

# Applications



Our Industry strives to meet your specific needs so you can compete in the fastener industry. We offer a wide range of services that add value to your company. The company has modernised its plant with capability to produce wide range of fasteners in any quantity to meet the demand in the Domestic and in the International Market.

Equipment and Instruments needed for work and verification are identified, procured and procedures are laid down to ensure that this equipment and instrument are in a fit condition for carrying out the work and verification activities. Personnel who are managing, performing and verifying the quality activities including internal quality audits are identified and adequately trained for their activities.

Verification activities are carried out at goods inward stages, in process stages and final inspection stages. The verification points and parameters are identified and verification is carried out as per laid down procedures. Text plans and work instructions are applicable. The requirements of in-house inspection, measuring, testing and monitoring equipments and personnel are identified from time to time.

## For Quality Control we are following these standards:

Quality Excellence is primarily achieved by the use of right Equipment. Fortunately, we have them all, And in ample measure.

Our thoroughly professional workforce of highly qualified engineers and well trained skilled technicians does the rest by deploying state of the art technology to match the best the world can offer. Our quest for quality develops around the cornerstones of Functional Reliability, Durability, and Aesthetics. And, it is these attributes that have earned lasting appreciation for our products, both in India and abroad.

However, Quality Excellence has to be constantly maintained. And this is ensured by our stringent inbuilt quality control system which operates right from the raw material stage, through all stages of production till the final product is ready to dispatch.

We place the highest importance to producing quality products. Our professionally managed marketing set- up takes great pains to research and analyse customer's needs so as to guide our production team about how best such needs can be met through consistent innovation and product improvements.

Our philosophy underscores customer care through fair dealing, competitive pricing and on-the-dot delivery schedules.

All this adds up to just one thing-Customer Satisfaction, Its the motivating force that's enabled us to be what we are.

Dimension			
Bolt	Nut	Plain Washer	Spring Washer
IS:12427	IS:14394	IS:2016-6610	IS:3063
DIN:7990	EN:24034	DIN:126	DIN:127
ASTM-A325, 394	ISO:4034	ISO:7091	—

Mechanical Properties	
Bolt	Nut
IS:1367-III	IS:1367-VI
EN-20898-I	EN:20898-II
ISO:898-I	ISO:898-II

Galvanizing Test		
IS:1367, PART - 13	DIN:267, PART- X	
ASTM-A-53	BS-729	ISO:1461





# BHALLA FASTENERS

## Manufacturers & Exporters

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