

WELCOME TO USHA FASTENERS - Your partner for the very best FASTENERS and TOOLING SOLUTIONS

WHO WE ARE

Usha Fasteners has evolved from a family business spanning four generations started in 1937 in New Delhi, India. Founded in 1981, Usha Fasteners has emerged as a system partner for Fasteners, Hand Tools & Workshop Equipment based on our unique competence as a TRADER, MANUFACTURER and SERVICE PROVIDER.

As a traditional family business, the core values of optimism, reliability, continuity and sustainability hold true for every business division at Usha. The company is headquartered at Gurugram, in the suburbs of the capital city, New Delhi with a centralized distribution system and marketing offices in Western (Pune) and Southern India (Chennai).

CORPORATE PHILOSOPHY

Usha stands for high product quality and end to end solutions for customer. Over the years, we have developed a trading, manufacturing and service competence while increasing our product offerings to the Indian customer.

Our visionary thinking has inspired us to expand our product portfolio from fasteners to a wide array of global brands in hand tools, general workshop equipment for the automotive industry, drilling, sawing and grinding machinery and automotive repair and maintenance products. All this while keeping in mind our philosophy that the CUSTOMER IS KING

OUR VISION

We have a strong vision as we see ourselves as becoming leading partner for industry bringing some of the best global brands for the industrial, automotive and construction sectors while keeping our product portfolio evolving with the changing needs of each sector.

TEAM OF PROFESSIONALS

Our workforce includes specialists from the fasteners, tools and machine tools industries. Our team has in depth knowledge of industrial, automotive and infrastructure sectors in India.

Our management team has over 50 years of experience in the Indian market and now led by a young team with a global exposure to take the company forward.

PRODUCTS

- FASTENERS
- HAND TOOLS AND WORKSHOP EQUIPMENT
- DRILLING, GRINDING AND METAL SAWING MACHINES
- AUTOMOTIVE REPAIR AND MAINTENANCE PRODUCTS

FASTENERS

UFAST

MANUFACTURING COMPETENCE

We have our own brand of UFAST premium quality fasteners for infrastructure projects which ensure TOP QUALITY and MINIMUM COST ASSURANCE.

Our manufacturing facility in Ludhiana manufactures High Tensile & Mild Steel fasteners for Power Generation, Transmission & Distribution Industry, Telecom Tower Industry, Solar Industry, Construction & Infrastructure, Railways and others. With proximity to the Industrial areas, the plant has a massive locational advantage, which enables us to provide swift deliveries to clients across the globe. We are specialists at HIGH STRENGTH STRUCTURAL STEEL (HSS) BOLTS, NUTS for the Pre Engineered Building and Road and Rail Bridge Industries which require pre-loaded assemblies of fasteners.



Manufacturing Facilities

We at Usha Fasteners aim for perfection. With this ideology in mind, Manufacturing System has been developed and used to attain this. The entire system is integrated into one using SAP Business 1, right from Purchase to Material Receipt to Production Planning to Manufacturing and finally to dispatch of the finished products.

This facility has

- ◊ Hot Dip Galvanizing
- ◊ Zinc Plating
- ◊ Black Phosphating
- ◊ Zinc Flake Coating
- ◊ Zinc Phosphating
- ◊ Heat Treatment

Quality & Testing

Our products meet the requirements laid out in various global standards. Our emphasis on stringent quality control is well reflected in our quality systems and technologically superior testing protocols which ensure the quality and reliability of our products. Our Quality Systems are certified and in compliance with ISO 9001:2018 standards.

Testing Infrastructure

- ◊ In house calibration
- ◊ Universal Testing Machine
- ◊ MPI Testing
- ◊ Hardness Testing Machine
- ◊ Calibration Instruments
- ◊ Torque Testing
- ◊ Impact Testing
- ◊ Metallurgical Testing



PRODUCT LIST

Item	Product Image	Size	Grade	IS	BIS	ISO	DIN	ASTM	ANSI	JIS
HEX BOLT		M6-M52	4.6/5.6/ 5.8/6.8/ 8.8/10.9	12427, IS 1363 PART I & IS 1364 PART I	3692/ 4190	4014/ 4016	601/ 931/ 7990	-325 M/ A 394	B 18.2.1	B 1180
HEX SCREW		M6-M52	4.6/5.6/ 5.8/6.8/ 8.8/10.9	IS 1363 PART II & IS 1364 PART II	-	4017/ 4018	933	-	-	-
HEX NUT		M6-M52	4/5/6/ 8/10	1363 PART III & IS 1364 PART III IS 14394	3692/ 4190	4032/ 4034	555/934 24034/ 24032	A 563	B 18.2.4.1M B 18.2.2	B 1181
LOCK NUT		M6-M52	4/5/6/ 8/10	IS 1364-3	4190	4032	555/934	-	B 18.2.4.1M	JIS 1181
SHEAR NUT		M8-M16		AS PER DRAWING						
PLAIN WASHER		M6-M52	-	2016/6610	4320	7089/ 7090/ 7091	125/ 126	B 27.2/ F436M	B 18.22/ B 18.22M	B 1256
SPRING WASHER		M6-M52	-	3063	4464	-	127	B 27.1	B 18.21.1	B 1251
DISC SPRING WASHERS		M6-M30	-	2507	-	-	2093	-	B 27.4	-
HEX NYLOCK NUTS		M6-M48	-	7002	-	7040/ 7041	980/982 /985	-	-	-
CUP SQUARE BOLT & NUT		M6-M42	-	-	-	-	603/604/ 605/607/ /608	-	B 18.5.2.2M	-
FULLY THREADED RODS/STUDS		M6-M48	-	-	916	-	975	-	-	-
ANTI THEFT BOLT/NUT		M6-M24	5.6/ 5.8/ 6.8	AS PER DRAWING						
U BOLT		M6-M48		AS PER DRAWING						
FOUNDATION BOLT		M6-M48	-	5624 / AS PER DRAWING	AS PER DRAWING					
STEP BOLT		M6-M48	4.6/5.6/ 5.8/8.8	10238 / AS PER DRAWING	AS PER DRAWING					
CARRIAGE BOLT		M6-M20	8.8	2609	-	-	-	-	-	-

PRODUCT LIST

Item	Product Image	Size	Grade	IS	BIS	ISO	DIN	ASTM	ANSI	JIS
HIGH STRENGTH STRUCTURAL BOLTS		M16-M36	8.8s/ 10.9s	3757	4395	7412	6914	-	B 18.2.3.7M	B1186
DTI WASHER		M12-M36	8.8/10.9	-	EN 14399-9	-	-	ASTM F959M	-	-
HIGH STRENGTH STRUCTURAL NUTS		M16-M36	8s/10s	6623	4395	4775	6915	-	B 18.2.4.6M	-
STRENGTH STRUCTURAL WASHERS		M16-M36	-	6649	4395	7415	6916	-	-	-
STUD WITH 2 HEAVY NUTS		3/8" to 3" STUD	B7	NUT 2H	2.1/4" TO 27"	-	-	-	A193 A194	-

Comparison of Different Strength Grades

SAE	B.S.	IS 1.S.D. DIN	ULTIMATE TENSILE STRENGTH			HARDNESS		
			Tonnes/In ² (Kgf/mm ²)	Newtons/mm ² Min. (Kgf/mm ²)	Pounds/In ² Min. (Kgf/mm ²)	BHN	HRb	HRc
		4.6		400 (40.8)		114 209	67 95	
GRADE 1					60,000 (42.3)	(121) (241)	70 100	
		4.8					71 95	
		5.6						
GRADE 2					74,000 (52.1)	(154) (241)	80 100	
		5.8		520 (53.0)		152 209	82 95	
	P		35/45 (55.2/71.0)			152 207		
		6.8		600 (61.2)		181 238	89 99	

Comparison of Different Strength Grades

SAE	B.S.	IS 1.S.D. DIN	ULTIMATE TENSILE STRENGTH			HARDNESS		
			Tonnes/In ² (Kgf/mm ²)	Newtons/mm ² Min. (Kgf/mm ²)	Pounds/In ² Min. (Kgf/mm ²)	BHN	HRb	HRc
	R		45/55 (71.0/86.8)			201 285		
	S		50/60 (78.9/94.7)			223 310		223 310
		8.8	800<=M16 830>M16 (81.6) (84.6)		219/285 242/319			20/30 23/34
GRADE 5					1,20,000 (84.6)			25/34
	T		55/65 (86.8/102.6)					(24/36)
	U		60/70 (94.7/110.5)			269 331		(28/36)
	V		65/75 (102.6/118.4)			293 370		(31/40)
GRADE 8					1,50,000 (105.7)	(311) (362)		33/39
		10.9		1,040 (106.0)		295 362		31/39
	W		70/80 (110.5/126.3)			311 375		(33/41)
	X		75/85 (118.4/134.2)			341 410		(37/44)
		12.9		1,220 (124.4)		353 412		38/44
	Y		80/90 (126.3/142.0)			363 429		(39/46)
	Z		100 Min. (157.8)			444		(47)

Note

- 1 Kgf=9.81 Newtons 1Kgf/mm²=1421.7 Psi
2. Values in brackets are approximate conversions

Sectors covered**Power**

- Material Handling Equipment
- Hydro Power Plants
- Thermal Power Plants
- Power Panels
- Makers of Turbines
- Transmission Lines

**Telecommunications**

- Transmission Towers


**Sugar**


- Sugar Manufacturing Units
- Manufacturers of Equipment for Sugar Units

**Infrastructure**

- Pre-Engineered Buildings
- Structural Steel Fabrication
- Construction Equipment-Tower Cranes, Forklifts
- Manufacturers of Cement Plant Equipment

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