



*Passion for Precision...*

# HIGH TENSILE FASTENERS

*(Standard & Special)*

✓ ISO 9001:2015

✓ ISO 14001:2015

✓ CE

✓ ISO 45001:2018

✓ IATF 16949:2016

✓ ROHS

## SOCKET & HEXAGONAL PRODUCTS

# INFRASTRUCTURE & OPERATIONS



Multi Station High Speed Bolt Formers | High Speed Rolling Machines | Centerless Grinding  
Continuous State Of The Art Heat Treatment Facility | Cnc Operation | Milling | Drilling | Boring  
Different Kinds Of Surface Finish







## Company Profile

We are pleased to introduce ourselves as the manufacturers of high tensile fasteners under the brand name of "XPS" and are supplying our products throughout India to many consumers directly as well as through our strong dealers' network. XPS specializes in the production of all kinds of high strength fasteners. The products are in conformity with IS, ISO, DIN, AS, ANSI, BS etc.

Based firmly on ISO9001 quality system standards, the company operates each link from raw materials processing to the production in strict accordance with the procedures and boasts well-qualified quality inspectors and perfect testing equipments, which take effective control on the production process to ensure product quality.

With the experience of 50 years in the fastener industry, XPS management thrives on its know-how capabilities of dealing & handling big OEMs in all the sectors like 2-wheelers, commercial vehicle manufacturers, heavy engineering industries etc. Our team is well experienced and expert in handling of supply chain management. From our years in the business, we understand that many of our customers are working to meet tight deadlines, or have a very precise production schedule that they need to adhere to in order to meet their objectives. We are able to work flexibly and have the capacity to meet short turnaround times. We can even ship the components to you as per your specified schedules ensuring they make it to you exactly when required.

We provide a full spectrum of services that can give your components the characteristics they need for your intended use. We are able to undertake multiple processes and can also provide customized solutions to your requirements.



# HIGH TENSILE FASTENERS

## STANDARD INDUSTRIAL PRODUCTS

SELECTOR GUIDE												
Product	Tensile Strength Property Class		Size Range				Equivalent Standards					
			Diameter		Length		IS	ISO	DIN	BS	ANSI/ASME	JIS
			Metric	Inch*	Metric	Inch*						
Socket Head Cap Screw	N/mm <sup>2</sup> Min.	Psi Min.	M3 to M42	1/8" to 1"	4mm to 400mm	3/8" to 10"	2269	4762	912	FOR INCH SERIES BS 2470	B18.3.1 M/ B18.3	B1176
Socket Low Head Cap Screws	(1220) (12.9)	---	M4 to M12	---	10mm to 80mm	---	---	---	6912 7984		---	---
Socket Counter Sink Head Screws	(1040) (10.9)	---	M3 to M24	1/4" to 5/8"	6mm to 150mm	1/2" to 3"	6761	10642	7991		B18.3.5 M/ B18.3	---
Socket Button Head Cap Screws	(1220) (12.9)	---	M3 to M10	---	6mm to 50mm	---	---	7380	9427		B18.3.4 M/ B18.3	---
Socket Set Screws Knurled Cup Point	(1220) (12.9)	Hardness HRC 45 Min.	M3 to M12	3/16" to 1/2"	3mm to 55mm	3/16" to 1 1/2"	6094	4029	916		B18.3.6 M/ B18.3	B 1177
Socket Set Screws Special Points	Hardness HRC 45 Min.	---	M3 to M16	3/16" to 1/2"	3mm to 55mm	3/16" to 1 1/2"	---	4026 4027 4028	915 916 914	BSF/BSW BS:1083	B18.2.1	B1180
Hex Head Bolts / Screws	800/830 (8.8) 1,040 (10.9)	Grade 8, 9, V	M3 to M42	1/4" to 1"	8mm to 400mm	3/8" to 12"	1364	4014 4017	931 933		B18.2.1	B1180
Hex Nuts	1,040 (10.9) (Proof Stress) (10)	Grade 8 Grade 9 Grade 5	M4 to M42	5/16" to 1"	---	---	1364	4032	934		UNC/UNF BS:1768	B1181
Special Products	800/830 (8.8) 1,040 (10.9)	---	M5 to M42	1/4" to 1"	6mm to 400mm	3/8" to 12"	---	---	---	As per customer specifications		

\* Thread type in any of the following inch series BSW, BSF, BA, UNC & UNF

\* All Standards are for latest version.

# HIGH TENSILE FASTENERS

## STANDARD INDUSTRIAL PRODUCTS

THREAD SIZE COMPARISON																
METRIC PRODUCTS							UNIFIED INCH PRODUCTS				B.S.INCH PRODUCTS					
SIZE	THREAD PITCH & T.P.I.				Major Dia.		SIZE	T.P.I.		Major Dia.	SIZE	T.P.I.		Major Dia	T.P.I.	Major Dia
	COARSE		FINE					UNC	UNF			BSW	BSF			
	PITCH mm	T.P.I.	PITCH mm	T.P.I.	mm	inch		UNC	UNF	inch		BSW	BSF	inch	BA	inch
M3	0.50	51.00			3.00	0.118	# 5	40	44	0.125	1/8	40		0.125		
							# 6	32	40	0.138	5BA 4BA				43.1 38.5	0.126 0.142
M4	0.70	36.00			4.00	0.157	# 8	32	36	0.164	3BA				34.8	0.161
M5	0.80	32.00			5.00	0.197	# 10	24	32	0.190	3/16"	24	32	0.187		
											2BA 1BA				31.3 28.2	0.185 0.209
M6	1.00	25.00			6.00	0.236	1/4"	20	28	0.250	0BA 1/4"				25.4	0.236
M8	1.25	20.00	1.00	25	8.00	0.315	5/16"	18	24	0.313	5/16"	18	22	0.313		
M10	1.50	17.00	1.25	20	10.00	0.394										
			1.00	25	10.00	0.394	3/8"	16	24	0.375	3/8"	16	20	0.375		
							7/16"	14	20	0.438						
M12	1.75	14.50	1.50	17	12.00	0.472										
			1.25	20	12.00	0.472	1/2"	13	20	0.500	1/2"	12	16	0.500		
(M14)	2.00	12.50	1.50	17	14.00	0.551										
M16	2.00	12.50	1.50	17	16.00	0.630	5/8"	11	18	0.625	5/8"	11	14	0.625		
(M18)	2.50	10.00	1.50	17	18.00	0.709										
M20	2.50	10.00	1.50	17	20.00	0.787	3/4"	10	16	0.750	3/4"	10	12	0.750		
M22	2.50	10.00	1.50	17	22.00	0.866	7/8"	9	14	0.875	7/8"	9	11	0.875		
M24	3.00	8.50	2.00	13	24.00	0.945	1"	8	12	1.000	1"	8	10	1.000		
					24.00	0.945										
M27	3.00	8.50			27.00	1.060	1.1/8"	7	12	1.125	1.1/8"	7	9	1.125		
M30	3.50	7.30			30.00	1.181	1.1/4"	7	12	1.250	1.1/4"	7	9	1.250		
M33	3.50	7.30			33.00	1.299										
M36	4.00	6.30			36.00	1.417	1.1/2"	6	12	1.500	1.1/2"	6	8	1.500		
M42	4.50	5.60			42.00	1.653										

**SHCS of size above 1" are either as per ANSI B18.3 OR as per XPS-STANDARD**

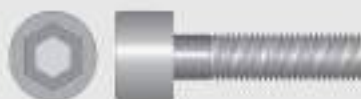
**Note:**

**Surface Finish:** All the XPS Products, unless otherwise ordered specifically, are supplied in black thermal finish with a coat of rust preventive oil.

**Plating:** XPS recommends that no plating should be carried out on Socket Head products & do not stand any guarantee, as plating adds embrittlement to the strength level of product & configuration which may lead to failures in use.

The prices, specifications and other particulars contained in this Price List are subject to change without notice.





**SOCKET HEAD CAP SCREW**

## METRIC SERIES

Recommended Consumer Net Prices in  
Rupees Per 100 Pieces Exclusive of GST  
Effective from 01 May, 2024

Diameter Length (mm)	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	M14	M16
	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench
	1.5 mm	2 mm	2.5 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	14 mm
3	1772										
4	794		1260								
5	808	766	1240	1270							
6	824	794	1067	1008	869	1455					
8	836	816	780	712	739	999	1420				
10	852	836	651	567	409	662	1280				
12	879	922	651	511	409	628	974	1460			
14					835	930	1045				
16			649	533	447	595	810	1350	3974		
18					888	980	1085				
20			649	571	479	663	872	1235	3544	9168	7807
22					990	1030	1195				
25			713	627	511	743	895	1368	3083	8012	7751
30			842	743	620	839	1040	1466	2959	8012	7751
35			1053	814	681	920	1072	1583	3100	6739	6360
40			1205	898	743	999	1228	1783	3040	6896	6524
45			1334	1026	805	1081	1376	1956	3236	7016	6795
50			1700	1176	814	1178	1428	2129	3161	7184	6772
55				1891	1398	1283	1570	2301	3492	7268	7208
60				2430	1792	2373	1685	2480	3691	7713	7284
65				3145	1942	2461	1800	2649	3885	7817	7614
70				6075	2095	2567	1925	2821	4095	8436	8215
75					2550	2808	2030	3003	4277	8925	8692
80					2695	3042	3055	4361	5121	9342	9090
85					2950	3290	4320	5153	6825		10262
90					2967	3267	3528	4964	5785	9575	9295
100					4015	3689	4192	5838	6697	11860	11536
110					8350	4920	5233	6886	8033	12895	12531
120					9300	5486	6105	6970	9248	13938	13542
130					10400	5919	7502	9588	11232	16142	15679
140					12500	6353	8058	10719	12510	17275	16783
150					13600	6755	8705	11908	13803	18415	17887
160					19500	12455	9897	16323	22743	19962	35589
170					21750		10680	18040	25015	21801	39627
180					21950	14575	11260	18360	25015	23085	39627
200					24950	20525	12445	19628	27068	26056	43795
220								25217	31225	28661	45806
240								38612	46879	31222	47833
260								40175	53571	33438	49849
280								43595	56125	36044	51865
300								49595	94710		53897

- (1) Material : High Grade Alloy Steel
- (2) Threads : IS-4218
- (3) Specifications : IS-2269 DIN 912 ISO-4762
- (4) Mechanical properties : IS - 1367, Property Class 12.9
- (5) Shaded sizes are fully threaded





### SOCKET HEAD CAP SCREW

## METRIC SERIES

Recommended Consumer Net Prices in  
Rupees Per 100 Pieces Exclusive of GST  
Effective from 01 May, 2024

Diameter Length (mm)	M18	M20	M22	M24	M27 #	M30 #	M33 #	M36 #	M42 #
	Wrench 14 mm	Wrench 17 mm	Wrench 17 mm	Wrench 19 mm	Wrench 19 mm	Wrench 22 mm	Wrench 24 mm	Wrench 27 mm	Wrench 32 mm
25		19051							
30	20957	18989							
35	21230	19239							
40	18579	16365	24751						
45	18710	16940	26187	20900					
50	18868	16239	21926	20020		48779			
55	18968	16715	24644	22518					
60	19129	16460	25340	23146	42932	43996			
65	19297	16994	28220	25680		45585		102164	
70	20611	18677	27382	26251	46569	47780		102164	
75	21947	19332	32039	27817	48935	47780	71802	102164	
80	22376	19268	32039	29242	49671	49671	74766	89340	177465
85		20823		35163					
90	22822	20101	33594	30671	54530	53408	80972	97421	145637
100	23932	21667	35432	32347	58296	58296	84753	100203	159545
110	26488	23982	38511	35175	61815	61815	89340	105644	163881
120	29011	26297	41627	38019	65586	65586	97421	110209	178417
130	31562	28582	54865	40858	66225	70178	102013	113881	182050
140	34086	30878	63947	43686	72870	72870	108491	125703	196981
150	36610	33290	85245	46539	77463	77463	113881	130235	201114
160	41504	42669	107440	75547	121987	121987	151387	175265	281270
170	49270	48723	111820		129250				
180	51053	48723	118173	80830	134933	134933	167579	195825	298520
200	53227	50808	126482	86523	146804	146804	182148	212222	323408
220	68218	55340	135198	92592	182959	182148	225855	262395	405728
240	74548	86950	150012	99945	202650	195911	243393	269612	422918
260	80175	106395	161040	103432	220739	209668	254453	288746	451094
280	85801	126040	167395	108666	235559	223430	268483	307941	479295
300	91427	135043	179355	116431	235559	237183	289525	327299	507489
320		149085#		114750#	300401	250062		361310	531694
340		149085#		120990#	317044	308121		380645	531694
360		179585#		206685#		360982		399980	558280
380		189575#		213985#		390496		419313	584865
400		199999#		224985#		393486		438648	611450

- (1) Material : High Grade Alloy Steel  
 (2) Threads : IS-4218  
 (3) Specifications : IS-2269 DIN 912 ISO-4762  
 (4) Mechanical properties : IS - 1367, Property Class 12.9  
 (5) Shaded sizes are fully threaded  
 (6) # Hot forged items



# INCH SERIES

Recommended Consumer Net Prices in  
Rupees Per 100 Pieces Exclusive of GST  
Effective from 01 May, 2024

## SOCKET HEAD CAP SCREW

Diameter \ Length	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"
	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench
	3/32"	5/32"	3/16"	7/32"	5/16"	5/16"	3/8"	1/2"	9/16"	9/16"	5/8"
3/8"	1397	595									
1/2"	1397	595	691	983							
5/8"	1551	615									
3/4"	1551	595	711	898	1239	3456	3793				
1"	1644	665	797	974	1375	3334	3223	7171			
1.1/4"		736	876	1116	1507	3334	3379	6231	17896		
1.1/2"		840	1005	1250	1678	3398	3437	6450	15783	25418	23827
1.3/4"		957			2006		3672	6861			
2"		957	1198	1477	2083	3634	3754	7186	16595	26423	25237
2.1/4"									16953		
2.1/2"		1260	2499	1775	2585	4375	4330	8027	16953	28464	27966
2.3/4"									18815		
3"			2922	2194	2892	4803	5437	8812	19294	32073	30641
3.1/4"									20046		
3.1/2"			3406	3616	4337	6213	6517	9960	19500	35372	33788
4"			3859	4291	5091	7196	7661	12207	21017	37319	37322
4.1/2"				6921	7718	10369	9261	12599	24857	43883	41809
5"				7799	9157	10362	11400	13896	27006	48461	46312
5.1/2"				12054	11005	12139	12552	17740	30718	50457	48206
6"				14563	11650	12152	12992	19331	33716	55242	53798
6.1/2"					23500		25779	39946	43100	95907	88510
7"				23893	26127		26296	41059	44098	95907	91692
7.1/2"							27327	42634	46361	99374	94971
8"				29453	28510		29271	44055	46013	98770	98154
8.1/2"								59257	54883	107415	107600
9"							50074	57767	54883	107415	110425
10"							51568	75589	60982	122238	122694
11"								112265	67049		134960
12"								147230	73145		147230

- (1) Material : High Grade Alloy Steel  
 (2) Threads : BS-84 (BSW)  
 (3) Specifications : BS-2470  
 (4) Mechanical properties : BS-2470 HRC (38-44)  
 (5) Shaded sizes are fully threaded





## METRIC SERIES

(Knurled Cup Point)

Recommended Consumer Net Prices in  
Rupees Per 100 Pieces Exclusive of GST  
Effective from 01 May, 2024

### SOCKET SET SCREW

Diameter	M3	M4	M5	M6	M8	M10	M12	M16	M20
Length (mm)	Wrench 1.5 mm	Wrench 2 mm	Wrench 2.5 mm	Wrench 3 mm	Wrench 4 mm	Wrench 5 mm	Wrench 6 mm	Wrench 8mm	Wrench 10mm
3	398								
4	393	330	230						
5	398	330	230	481					
6	393	334	232	242	498				
8	399	357	232	264	306	640			
10	421	351	253	272	325	479	942		
12	447	403	305	341	370	558	791		
16	475	477	325	382	449	744	1135	2621	
20	618	668	436	470	583	917	1200	2949	7083
25	775	724	570	585	884	1340	1645	3605	8202
30		1320	683	726	1069	1652	1950	4129	9482
35		1755	1076	1235	1476	2004	2582	4964	10811
40		2258	1345	1398	1724	2282	3262	5716	11650
45				1544	1997	2606	4015	7054	16839
50				1816	2270	3028	4398	8004	18356
55					3555	4500	7566	10746	20518
60					4330	5900	6770	11241	21803
65					4492	6179	9868	16389	24571
70					5545	8950	11445	22945	25938
75					6655	9871	14500	25673	28200
80					7985	10800	17400	26223	31300

- (1) Material : High Grade Alloy Steel
- (2) Threads : Metric IS-4218
- (3) Specifications : IS-6094
- (4) Mechanical properties : 45 H as per IS:1367

## INCH SERIES BSW

(Knurled Cup Point)

### SOCKET SET SCREW

Diameter	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
Length	Wrench 3/32"	Wrench 1/8"	Wrench 5/32"	Wrench 3/16"	Wrench 1/4"	Wrench 5/16"	Wrench 3/8"
3/16"	249						
1/4"	242	287					
5/16"	254	303	303				
3/8"	263	317	317	424			
1/2"	302	323	384	501	849		
5/8"	341	421	409	592	953	2250	
3/4"	419	640	536	884	1344	2319	5141
1"	594	624	752	1179	2113	2678	6190
1.1/4"		726	886	1286	2114	4138	7627
1.1/2"		1230	1802	2556	4816	6525	10605
1.3/4"		1840	1925	2759	6272	8800	12487
2"		1645	2279	3259	6861	8002	14691
2.1/2"					8640	11660	17985
3"					10594	16728	25605

- (1) Material : High Grade Alloy Steel
- (2) Threads : BS-84 (BSW)
- (3) Specifications : BS-2470
- (4) Mechanical properties : BS-2470 HRC (38-44)



**SOCKET COUNTER SUNK SCREWS**

## METRIC SERIES

Recommended Consumer Net Prices in  
Rupees Per 100 Pieces Exclusive of GST  
Effective from 01 May, 2024

Diameter Length (mm)	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24
	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench
	2 mm	2.5 mm	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	14 mm
6	1039	996								
8	1222	665	974	761						
10	1306	665	544	768	1565					
12	1401	671	565	659	1001	1718				
16	1590	759	759	821	973	1628	4940			
20	1779	776	776	884	1045	1399	3157			
25	1957	913	913	1023	1198	1617	2960	7025		
30	2059	1146	1146	1178	1369	1853	3375	5744		
35		2370	1523	1338	1558	2120	3654	6189	10451	
40		2370	2366	1574	1827	2429	3940	6613	10451	
45		2880	2696	2804	2051	2743	4460	7063	11199	
50		3225	3009	3508	3214	3078	4866	7514	12352	25424
55				3858	3839	3492	5466	7933	13239	27556
60				5230	4186	3864	5890	8383	14574	29610
65						4547	6629	9221	15744	31815
70					5245	4898	7137	9693	16776	33862
75						6296	7677	10170	17808	35987
80						6716	8263	10682	18841	38110
90						7557	11808	12112	19873	42363
100							13683	14646	24002	48171
110								19922	27873	53979
120								23806	30561	59789
130								27565	33249	65598
140								28818	49234	69520
150								31004	53994	69584
160									58754	74804
180									63510	82586
200									68770	99228

- (1) Material : High Grade Alloy Steel  
 (2) Threads : IS-4218  
 (3) Specifications : DIN-7991, IS 6761  
 (4) Mechanical properties : IS - 1367, Property Class 12.9  
 (5) Shaded sizes are fully threaded





**SOCKET COUNTER SUNK SCREWS**

## INCH SERIES

Recommended Consumer Net Prices in  
Rupees Per 100 Pieces Exclusive of GST  
Effective from 01 May, 2024

Diameter Length	1/4"	5/16"	3/8"	1/2"	5/8"
	Wrench 5/32"	Wrench 3/16"	Wrench 7/32"	Wrench 5/16"	Wrench 3/8"
	BSW	BSW	BSW	BSW	BSW
1/2"	910	1533	2779		
5/8"	996	1533			
3/4"	1070	1273	2779	6436	
1"	1248	1467	2470	6346	
1.1/4"	1449	1693	2843	7033	11397
1.1/2"		2610	3834	7875	12755
2"			4517	8826	14126
2.1/2"			5435	10111	15896
3"			6610	11328	18374

(1) Material	:	High Grade Alloy Steel
(2) Threads	:	BS-84
(3) Specifications BSW Series	:	As per XPS Standard
(4) Mechanical Properties	:	BS-2470    HRC : 38 - 44



### SOCKET BUTTON HEAD SCREW

## METRIC SERIES

Recommended Consumer Net Prices in  
Rupees Per 100 Pieces Exclusive of GST  
Effective from 01 May, 2024

Diameter Length (mm)	M3	M4	M5	M6	M8	M10	M12
	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench	Wrench
	2 mm	2.5 mm	3 mm	4 mm	5 mm	6 mm	8 mm
5	858	1035					
6	856	617	1125	2296			
8	693	617	1072	1309			
10	796	617	617	812	1359		
12	885	678	678	851	1151		
16	1121	802	796	945	984	1874	3995
18			1746	948			
20	1948	841	890	1018	1209	1539	4291
25	2140	1146	1041	1061	1416	1780	4469
30		1628	1256	1107	1623	2031	5000
35			1809	1604	1837	2318	5535
40			1821	1833	2094	2569	6066
45			2281	2682	3050	3718	7050
50			2816	3085	3328	4189	7133

- |                                  |   |                                  |
|----------------------------------|---|----------------------------------|
| (1) Material                     | : | High Grade Alloy Steel           |
| (2) Threads                      | : | ISO Metric as per IS:4218        |
| (3) Specifications               | : | Generally confirming to ISO:7380 |
| (4) Mechanical Properties        | : | IS-1367, Property Class 12.9     |
| (5) All sizes are fully threaded |   |                                  |





**HEXAGON WRENCHES**

## INCH & METRIC SERIES

Recommended Consumer Net Prices in  
Rupees Per 100 Pieces Exclusive of GST  
Effective from 01 May, 2024

DIMENSIONS ACROSS FLATS (inch)	NET PRICE PER 100 PCS.	QTY. PER BOX
1/16"	1327	100
5/64"	1463	100
3/32"	1463	100
1/8"	1463	100
5/32"	1734	100
3/16"	2246	100
7/32"	3054	50
1/4"	4425	50
5/16"	7352	25
3/8"	10875	25
1/2"	25092	10
9/16"	32106	10
5/8"	46881	10
3/4"	75808	5

DIMENSIONS ACROSS FLATS (mm)	NET PRICE PER 100 PCS.	QTY. PER BOX
1.5	1327	100
2	1327	100
2.5	1327	100
3	1463	100
4	2297	100
5	2803	100
6	3992	75
8	7517	25
10	12547	25
12	23603	10
14	34718	10
17	54909	10
19	75772	10
22	119428	5
24	160574	5
27	270327	2
32	475402	2

### XPS HEXAGON WRENCH SETS

TYPE	SIZES ACROSS FLATS OF WRENCHES	PRICE/SET
Standard (Metric)	1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm	412.00
Standard (inch)	1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"	432.00

(1) Material	:	High Grade Alloy Steel
(2) Specifications	:	Inch Series : BS:2470 Metric Series : IS:3082, DIN:911
(3) Mechanical Properties	:	Hardness - HRC 47 Min.



### HEXAGONAL HEAD BOLTS/SCREW

## METRIC SERIES

GRADE 8.8/10.9

Recommended Consumer Net Prices in  
Rupees Per 100 Pieces Exclusive of GST  
Effective from 01 May, 2024

Diameter Length mm	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
	Wrench 5.5 mm	Wrench 7 mm	Wrench 8 mm	Wrench 10 mm	Wrench 13 mm	Wrench 16 mm	Wrench 18 mm	Wrench 23 mm	Wrench 24 mm	Wrench 27 mm	Wrench 30 mm	Wrench 34 mm	Wrench 36 mm
6				1199									
8		403	697	632									
10	438	359	381	495	841	1963							
12	438	373	388	522	711	1975							
14				531									
16	438	613	570	541	722	1255	2270						
18			628	548	669	1247							
20	466	530	506	541	604	1177	1933	4689	4372				
25		539	530	559	734	1271	2038	3165	4400				
30		538	573*	585*	822	1314	2023	3255	4653	11623	9740		
35		552	579*	627*	855*	1414	2135	3588	4667	7992	9597		
40		586	613*	656*	974*	1662*	2231	3575	4723	8574	9597		20001
45		658	670*	698*	1058*	1728*	2601*	3749*	5063	8936	9740		16148
50		733	807*	747*	1140*	1868*	2789*	4233*	5364	9212	9979	12822	16148
55		809	852	822*	1250*	1991*	2894*	4466*	5725*	9842	10484	13802	16203
60		883	929	898*	1363*	2133*	3046*	4493*	6150*	10150	11103	14297	16788
65			1055	974	1401*	2273*	3254*	4772	6498*	10494	11465*	16057	16788
70			1137	1050	1520*	2414*	3561*	5315	6901*	11103	11773*	16592	18423*
75			1220	1059	1596*	2556*	3708*	5579	7387*	11765	12377*	17163	19104*
80				1115	1704*	2977*	3923*	5885	8063*	11765	12949*	17824	20990*
85				1452	2121	3601	5211		9178		15299		
90				1258	2135*	3304*	4299*	6442	8619*	12509	14304*	18986	22403*
100				1398	2385*	3589*	5022*	7429	9371*	13267	15299*	21027	24218*
110				2156	2698*	3895*	5579*	8432	10171*	14589	16156*	22055	25179*
120				2345	3436*	4597*	5941*	8926	11347*	15382	17999*	23536	26647*
125						6255							
130				2526	3624	5530*	6316*	9345	13566*	16071	19099*	24824	28250*
140				2713	4326	5718*	7497*	13565	13844*	16788	20399*	26055	30245*
150				2897	4835	6947*	10536*	14972	16377*	17956	21444*	27287	32405*
160					5845	7407*	10909*	16718	17059*	19911	22899*	29701	33367*
170							11863		20825		25693		35250
180					6306	8333*	11833*	17981	19188*	21561	25389*	32233	37355*
200					7115	9285	15647*	19390	20774*	23203	27799*	38696	41168*
220						20709	23483	27270	27989*	27927	44642*	61169	70411*
240						24161	24062	29497	30123*	31007	46881*	66259	72932*
260							24580	31722	30733*	33591	49120*	68808	75458*
280							26844	34158	33928*	36176	53587*	76476	82986*
300							28761	36453	39733*	38761	58031*	81942	101451*
320											72699#		159718#
340											84359#		193598#
360											101229#		260589#
380											131585#		309450#
400											164495#		366454#

- (1) Specification : IS-1364, ISO:4014/4017/ EN 24014, 24017/24032  
 (2) Threads : IS-4218  
 (3) Supply Condition : IS-1367  
 (4) Extra Charges for zinc passivated finish  
 (5) Shaded sizes are fully threaded  
 (6) \* These sizes are available fully threaded also .  
 (7) # Hot forged items





### HEXAGONAL HEAD BOLTS/SCREW

## METRIC SERIES

GRADE 8.8/10.9

Recommended Consumer Net Prices in  
Rupees Per 100 Pieces Exclusive of GST  
Effective from 01 May, 2024

Length mm \ Diameter	M27#	M30#	M33#	M36#	M42#	M48#
	Wrench 41 mm	Wrench 46 mm	Wrench 50 mm	Wrench 55 mm	Wrench 65 mm	Wrench 75 mm
50		47674				
60	37011	47674				
70	37011	47674				
75	39804	47674	67347	83584		
80	41487	49612	68183	85192		
90	45346	53854*	72400	91679	134444	
100	49063	57956*	77332	95374	142171	192600
110	52905	63750*	83316	101861*	149938	203180
120	54247	65157*	85002	103835*	151094	204375
130	56033	68092*	89971	109274*	157474	212895
140	59581	72315*	95596	115509*	166238	237820
150	63128	76377*	105367	121700*	174983	248580
160	66785	85069*	105420	127920*	183738	259420
170		91000*				
180	73812	93836*	115613	148633*	200428	281020
200	80484	102276*	125799	160935*	209496	291230
220	111035	123343	152161	192925	268722	370185
240	119496	132137	163404	206965	288666	394855
260	127566	140925	175713	221013	208672	419520
280	135310	149712	187986	234692	328640	444190
300	141613	159661	199939	281794	348593	468855
320		208839		417679	459446	
340		188510		484507	517921	
360		245668		534915	580574	
380		325789		584750	643707	
400		344264		643226	710055	



### HEX NUTS

## METRIC SERIES

SIZE MM	Grade	NET PRICE PER 100 PCS.	QTY PER BOX
M4x0.70	8	111	1000
M5x0.80	8	138	1000
M6x1	8	192	1000
M8x1.25	8	248	500
M10x1.5	8	489	200
M12x1.75	8	752	200
M10x1.5	10	525	200
M12x1.75	10	800	200
M14x2	10	1518	100
M16x2	10	1930	200
M18x2.5	10	2900	125

SIZE MM	Grade	NET PRICE PER 100 PCS.	QTY PER BOX
M20x2.5	10	3666	100
M22x2.5	10	5057	80
M24x3	10	6385	50
M27x3	10	10610	30
M30x3.5	10	15280	25
M33x3.5	10	21025	15
M36x4	10	27140	12
M42x4.5	10	45525	10
M45x4.5	10	54470	6
M48x5	10	65625	4
M56x5.5	10	100430	2

- (1) Specification : Hex Bolt : IS-1364, ISO:4014/4017  
Hex Nut : IS-1364, ISO-4032
- (2) Threads : IS-4218
- (3) Supply Condition : IS-1367
- (4) Extra Charges for zinc passivated finish
- (5) Shaded sizes are fully threaded
- (6) # Hot forged items


**HEXAGONAL HEAD BOLTS/SCREW**
**INCH SERIES**

(GR. S GR.5/GR.8)

 Recommended Consumer Net Prices in  
 Rupees Per 100 Pieces Exclusive of GST  
 Effective from 01 May, 2024

Diameter Length	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"
	Wrench 7/16"	Wrench 1/2"	Wrench 9/16"	Wrench 5/8"	Wrench 3/4"	Wrench 15/16"	Wrench 1 1/8"	Wrench 1 5/16"	Wrench 1 1/2"
	UNC	UNC	UNC	UNC	UNC	UNC	UNC	UNC	UNC
1/2"	614	820							
5/8"	762	785	1282						
3/4"	693	755	1117	1561	2408				
7/8"		826	1351						
1"	682	822	1103	1757	2538	4435			
1 1/4"	698	905	1232	1781	2832	4952	8840		
1 1/2"	774	1102	1393	1924	3020	5194	9381	13320	19918
1 3/4"	847	1234	1625	2441	3247	5542	9738	13955	
2"	930	1315	1785	2441	3536	5821	10375	14660	20937
2 1/4"		1445	1955		3905	6339	11395	24590	21748
2 1/2"	1140	1588	2146	3067	4158	6428	11954	16255	21798
2 3/4"		1718	2391		4500	7495	13040	17015	23250
3"	1370	1806	2533	3474	5048	8080	13552	17795	22445
3 1/4"					5414	8602	14147	19890	27591
3 1/2"	1595	2077	2878	3865	5600	9113	15293	22853	25460
3 3/4"			3527		5892	10105	16415	20980	31695
4"	1828	2834	3791	5085	6139	10346	17176	22110	28030
4 1/4"			4217		6520	10730		23930	34947
4 1/2"	2035	2995	4464	6387	7102	11106	18412	28528	30840
5"	2250	3150	4958		7757	12503	19585	27990	32935
5 1/2"		3877	6240		9470	14383	21994	29995	42082
6"		4200	7000		11500	15079	22578	32499	44031
6 1/2"			8225		14128	17591	24399	34555	47750
7"					17280	18945	24399	36599	51464
7 1/2"					19235	20297	26217	42159	55066
8"					19751	20668	28727	41959	57617
9"						23250	30033	50015	66850
10"						25837	33788	52333	73304
11"						39581	35913		76973
12"						46565	39178		83967

**UNC & UNF**

- |  |   |                              |
|--|---|------------------------------|
| (1) Specifications                           | : | BS:1768, ANSI B-18,2.1       |
| (2) Threads                                  | : | BS:1580, B1.1                |
| (3) Supply Condition                         | : | as per BS:1768 & SAE : J-429 |
| (4) Extra charges for zinc passivated finish |   |                              |
| (5) Shaded sizes are fully threaded          |   |                              |


**HEX NUTS**
**INCH SERIES**

SIZE	Grade	NET PRICE PER 100 PCS	QTY PER BOX
1/4" UNC	S	220	500
5/16" UNC	S	283	500
3/8" UNC	S	415	200
7/16" UNC	S	931	200
1/2" UNC	S	945	200
5/8" UNC	8	1985	200
5/8" BSF	8	2495	200
3/4" UNC	8	3515	125
7/8" UNC	8	5500	60
1" UNC	8	7120	50

- |                      |   |                               |            |
|----------------------|---|-------------------------------|------------|
|                      |   | <b>UNC</b>                    | <b>BSF</b> |
| (1) Specification    | : | BS:1768, ANSI:B-18, 2.2       | BS:1083    |
| (2) Threads Fit      | : | BS:1580, B1.1                 | BS:84      |
| (3) Supply Condition | : | BS:1768, B-18.2. & SAE: J-429 | BS:1083    |



## GENERAL CONDITIONS FOR SALE

*All Quotations, Orders of Contracts are subject to the following conditions of Sale. Any qualification of these conditions made by the Purchaser, will not apply unless expressly accepted in writing by Xtra Precision Screws Private Limited (Hereinafter called the Company)*

1. This Price list is effective from 01.05.2024
2. **PRICES:** - The prices to be charged at the time of dispatch shall be determined by deducting discount from the List Price. The percentage of discount from LP shall be communicated separately from time to time. The prices determined as above shall be F.O.R. destination/Rohtak basis. GST, and any other taxes, if applicable, shall be charged extra at time of dispatch. Any increase in the taxes, levied by the government shall be to the Purchaser's account. The Company reserves the right to amend the price without prior notice.
3. **LOSS OR DAMAGES:** - The Company's responsibility ceases on handing over goods to the carriers. The company accepts no responsibility for loss or damage to goods in transit.
4. **PACKING:** - Prices quoted are for packing in cartons.
5. **PAYMENT:** - Payment shall be made as per decided terms & Conditions. Any delay in the payment from the due date will attract an interest of 21% per annum.
6. **DELIVERY:** - All Ex-stock offers are subject to goods remaining unsold at the time of receipt of the order. For forward delivery dates are given without any guarantee and no responsibility can be accepted by the company for delay in delivery or failure to deliver due to circumstances beyond the company's control. Delivery/dispatch may be made in one lot or several lots.
7. **FORCE MAJEURE:** - The company shall not be responsible for failure or delay in delivery of goods or any part thereof (or any consequential damages) due to act of God, enemies of the Government of India, wars, revolution, embargo, riots, civil or political disturbances, strikes, lockouts, stoppages of labour, shortage of raw material and/or labour, shortage of motive-power, non-availability of shipping spaces or import or export licenses, break-down of machinery, restraints imposed on the company by the Government, municipality or any other cause beyond the company's control, such failure/delay shall not entitle the Purchaser's to cancel the contract nor is the company liable to make good and damage arising from such failure to deliver or delay in delivery.
8. **INFRINGEMENT OF PATENT & TRADE MARK:** - When products are forged to customer's drawings/specifications, the responsibility to ensure that these do not result in infringement of any patent or trade mark will lie entirely with the customer concerned who shall be responsible for consequences if any in case of any such infringement.
9. **CONFIRMATION:** - The Company accepts no responsibility for orders booked by Company sales men or agents till it is confirmed in writing by the Company.
10. **ACCEPTANCE & RETURN:** - Wrong dispatches should be notified/reported to the Company within 07 days from the date of receipt of the goods along with the copy of packing slip and the company's consent should be obtained in writing before return of such goods.
11. **CANCELLATION OF ORDERS:** - The company reserves the right to refuse the cancellation of the order once it has been accepted. Failure on the part of purchaser to accept the delivery and make payments will be considered a breach of contract and the Company shall be entitled to cancel the contract and forfeit the deposit paid by the purchaser, if any.
12. **GURANTEE:** - We undertake free replacement of goods against manufacturing defects only. The Company shall not be responsible for any contingent or resulting liabilities or loss arising through any defect in goods supplied.
13. Supplies shall be in natural finish unless otherwise specified. For supply in zinc plating etc., the rate shall be charged extra.
14. The dealer will not deal in fasteners of sub-standard quality bearing deceptively similar monograms as employed on our products. Such an act will deprive the dealer for dealing in our products.
15. Any disputes or claims arising on or out of, or in connection with quotations, orders or contracts for the supply of goods by the company shall be referred to the sole Arbitrator appointed by the Managing Director of the Company and the award made by such Arbitrator shall be final and binding on both parties.



## COMPARISON OF DIFFERENT STRENGTH GRADES

SAE	B.S.	I.S. I.S.O. DIN	ULTIMATE TENSILE STRENGTH RANGE			HARDNESS		
			(Kgf/mm <sup>2</sup> )	Newtons/mm <sup>2</sup>	Pounds/inch <sup>2</sup> (P.S.I.)	BHN	HRB	HRC
		<b>4.6</b>	40.8/81.5	400/800	58000/116400	114 238	67 99.5	
<b>GRADE 1</b>			42.2/81.5	414/800	59000/116400	(121) (241)	70 100	
		<b>4.8</b>	42.8/81.5	420/800	59000/116400	124 238	71 99	
		<b>5.6</b>	51/81.5	500/800	72000/116400	147 238	79 99	
<b>GRADE 2</b>			51.3/81.5	502/800	72000/116400	(150) (241)	80 100	
		<b>5.8</b>	53/81.5	520/800	75000/116400	152 238	82 99.5	
	<b>P</b>		55/81.5	579/800	75000/116400	152 240	82 99.5	
		<b>6.8</b>	61/81.5	600/800	87000/116400	181 238	89 99.5	
	<b>R</b>		71/98	696/965	101500/140000	201 285	93	<b>30</b>
	<b>S</b>		79/108	770/1060	112100/154200	223 310		<b>(20/33)</b>
		<b>8.8</b>	81.6/106 84.6/111	800/1040 upto M16 830/1090 above M16	116500/150000 120800/158600	238/304 242/318		<b>22/32 23/34</b>
<b>GRADE 5</b>			87/111	852/1090	124000/158500	253 318		<b>25/34</b>
	<b>T</b>		86/115	840/1127	123000/164000	247/335	--	<b>24/36</b>
	<b>U</b>		93/115	916/1127	132000/164000	271/335		<b>28/36</b>
	<b>V</b>		101/128	995/1255	144000/182000	295/370		<b>31/40</b>
<b>GRADE 8</b>			108/124	1060/1220	154000/177000	312 362		<b>(33/39)</b>
		<b>10.9</b>	106/124	1040/1220	156000/177000	304 362		<b>(32/39)</b>
	<b>W</b>		108/132	1060/1293	154000/190000	312 381		<b>(33/41)</b>
	<b>X</b>		118/146	1156/1430	169000/210000	341 410		<b>(37/44)</b>
		<b>12.9</b>	124/146	1220/1430	177000/210000	362 410		<b>(39/44)</b>
	<b>Y</b>		124/151	1220/1484	177000/216000	362 432		<b>(39/46)</b>
	<b>Z</b>		148/166	1455/1630	210000/237100	425/475		<b>(45/49)</b>

**1Kgf = 9.81 Newtons**

**1kgf/mm<sup>2</sup> = 1421.7 Psi**





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