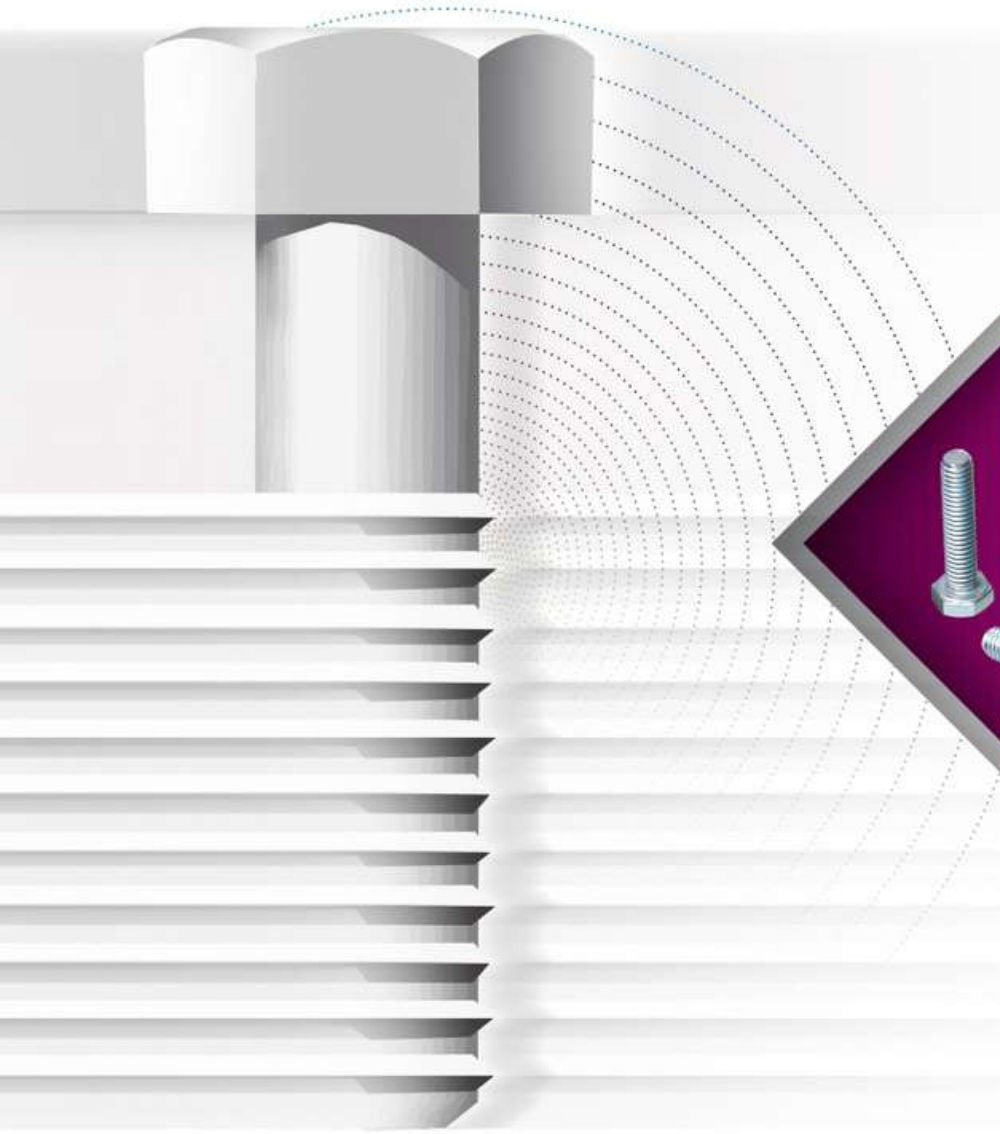




GET IT RIGHT, EVEN IF IT TAKES TIME,
IT'S QUALITY NOT QUANTITY THAT MATTERS



SKF
SKF
SKF

FASTENERS





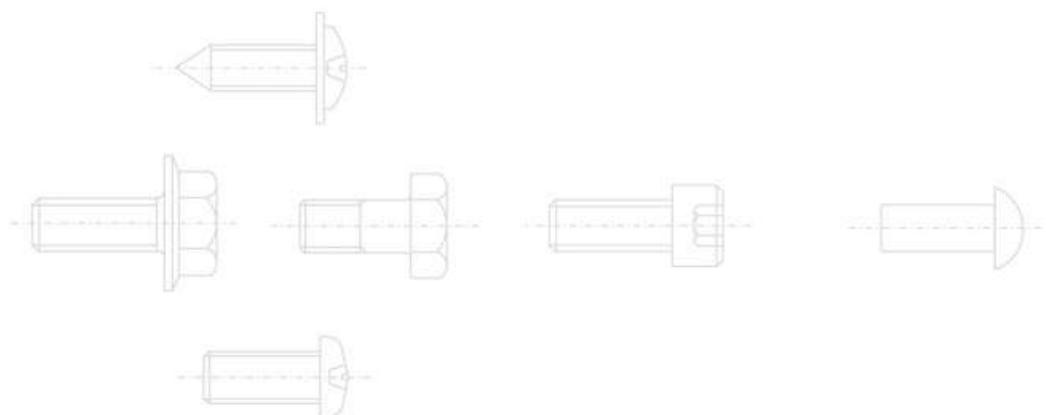
INTRODUCTION

SCREW, THE SMALLEST PART IN INDUSTRIES, BUT IT ALSO MOST IMPORTANT PART, WITHOUT ITS INDUSTRIES WILL NO LONGER EXIST, WE HAVE STARTED OUR ACTIVITY OF MANUFACTURING SCREWS IN 1991 WITH THE RANGE **M 1.7 TO M 4, NO. 4 TO NO. 6**, ALL IN MACHINE SCREW AND SELF TAPPING SCREW **A, AB, BT** AND **B** TYPE AS PER **IS, JIS, DIN** AND ANSI THREAD STANDARD WITH PAN PHILIPS HEAD, COMBINATION HEAD, BINDING HEAD ETC. SUPPLYING TO THE ELECTRONICS, CLOCK MANUFACTURING AND HOME APPLIANCES INDUSTRIES AS WELL AS IN MARKET ALSO.

WE BELIEVE IN QUALITY PRODUCT AND SINCE ESTABLISHMENT WE ALWAYS TRIED TO SATISFY OUR CUSTOMER WITH CONTINUOUS IMPROVEMENT IN PRODUCT QUALITY, WE HAVE A GOOD REPUTATION IN OUR CUSTOMERS WITH THEIR SUPPORT WE HAVE ACHIEVED OUR TARGETS.

WITH ABOVE SUCCESS WE HAVE EXPANDED OUR MANUFACTURING ACTIVITY WITH STANDARD SIZE OF FASTENERS IN M.M. SERIES **M 4 TO M 20** WITH STANDARD AND SPECIAL PITCH, LENGTH **10 M.M. TO 150 M.M.**, AS PER IS, ISO AND DIN STANDARD, IN **8.8, 10.9, 12.9**, GRADES. IN INCH SERIES **1/4" TO 3/4"** DIAMETER WITH STANDARD TPI, LENGTH **1/2" TO 6"**, THREADS **BSW, BSF, UNC, UNF** AS PER **BS** AND **ANSI** STANDARD IN **R, S, T, V, GR-5, GR-8** GRADES. ALL PRODUCTS ARE SUITABLE TO INDUSTRIAL AS WELL AS AUTOMOBILE APPLICATION.

WE CAN ALSO SUPPLY FORGED COMPONENTS AS PER CUSTOMER REQUIREMENTS.



DIMENSIONAL PLAN & WEIGHT CHART - REGULAR ITEMS



NUT				THIN NUT				WELD NUT				NYLOCK NUT				FLANGE NUT			
IS - 1364 Pt.3				IS - 1372				IS - 8856				IS - 7002				JIS - 1190			
Size	A/F 's'	Thick 'm'	Apx. Wt./100 pcs.	Size	A/F 's'	Thick 'm'	Apx. Wt./100 pcs.	Size	A/F 's'	Thick 'm'	Apx. Wt./100 pcs.	Size	A/F 's'	Height 'h'	Apx. Wt./100 pcs.	Size	A/F 's'	Thick 'm'	Apx. Wt./100 pcs.
M5	8.00	4.70	0.11	M12	18.00	6.00	0.77	M4	9.00	3.50	0.19	M6	10.00	8.00	0.32	M5	8.00	5.00	0.20
M6	10.00	5.20	0.22	M14	21.00	7.00	1.16	M5	10.00	4.00	0.21	M8	13.00	9.50	0.55	M6	10.00	6.00	0.35
M8	13.00	6.80	0.47	M16	24.00	8.00	1.85	M6	11.00	5.00	0.26	M10	16.00	11.90	1.11	M8	12.00	8.00	0.68
M10	16.00	8.40	0.90	M18	27.00	9.00	2.50	M8	14.00	6.50	0.53	M12	18.00	14.90	1.66	M10	14.00	10.00	0.88
M12	18.00	10.80	1.40	M20	30.00	10.00	3.13	M10	17.00	8.00	0.94	M10	24.00	19.10	3.50	M12	17.00	11.50	1.47



CASTLE NUT				BOLT				STUD				RIVET						
IS - 5368				IS - 1364 Pt. 2				IS - 1862				IS - 2998						
Size	A/F 's'	Thick 'w'	Apx. Weight Per 100 pcs.	Size	A/F 's'	Thick 'w'	Apx. WL/100pcs.		Size	Nut end Length	Metal end Length Type 'B'	Apx. WL/100pcs.		Size	Head Dia 'd'	Head Thick 'k'	Apx. WL/100pcs.	
							Head	Per mm. Length				Head	Per mm. Length				Head	Per mm. Length
M12	19.00	10.00	1.450	M5	8.00	3.65	0.16	0.012	M5	16.00	7.50	0.282	0.015	M5	8.00	3.50	0.076	0.015
M16	24.00	12.00	2.210	M6	10.00	4.15	0.25	0.017	M6	18.00	9.00	0.459	0.022	M6	9.60	4.20	0.132	0.022
M20	30.00	13.00	3.448	M8	13.00	5.45	0.56	0.031	M8	22.00	12.00	1.054	0.039	M8	12.80	5.60	0.314	0.039
M32	50.00	20.00	16.666	M10	16.00	6.58	0.98	0.049	M10	26.00	15.00	2.009	0.061	M10	16.00	7.00	0.614	0.061
M36	55.00	20.00	18.180	M12	18.00	7.68	1.52	0.071	M12	30.00	18.00	3.504	0.088	M12	19.20	8.40	1.060	0.088



FLANGE SCREW					SOCKET HEAD CAP SCREW					CR PAN HEAD M/C SCREW					SELF TAPPING SCREW				
JIS-1189					IS-2269					JIS-B111:1974					JIS - B111:1974				
Size	A/F 's'	Thick 'k'	Apx. WL/100pcs.		Size	Broach A/F	Head Thick 'k'	Apx. WL/100pcs.		Size	Head Dia 'd'	Head Thick 'k'	Apx. WL/100pcs.		Size	Head Dia 'd'	Head Thick 'k'	Apx. WL/100pcs.	
			Head	Per mm. Length				Head	Per mm. Length				Head	Per mm. Length				Head	Per mm. Length
M5	8.00	5.00	0.250	0.012	M5	4.00	5.00	0.195	0.012	M3	5.50	2.15	0.024	0.004	2.9	5.50	2.15	0.024	0.003
M6	10.00	6.00	0.485	0.017	M6	5.00	6.00	0.318	0.017	M4	7.00	2.75	0.032	0.008	3.5	7.00	2.75	0.032	0.005
M8	12.00	8.00	0.866	0.031	M8	6.00	8.00	0.735	0.031	M5	9.00	3.45	0.106	0.012	4.2	7.00	2.75	0.032	0.007
M10	14.00	10.00	1.454	0.049	M10	8.00	10.00	1.359	0.049	M6	10.50	4.10	0.170	0.017	4.8	9.00	3.45	0.106	0.009
M12	17.00	11.50	2.510	0.071	M12	10.00	12.00	1.987	0.071	M8	14.00	5.40	0.480	0.031	5.5	10.50	4.10	0.170	0.012

Bolt & Screw

Part	Spec. as per IS	Class	Size	Ten. Strength Min (Mandatory) N/mm ²	Hardness (Non Mandatory)			State HT/NHT	Raw Material Preference	Elong. EL %	Max. Depth of Decarb E (mm)		
					Vickers HV	Rockwell-Min							
					HRb	Hrc							
CR Pan Hd. Screw	1367 P. 3	4.6		400	120	67	NHT	1010-1015	22	-			
		4.8		420	130	71							
Hex Bolt Flange Bolt	1367 P. 3	6.8		600	190	89			HT	10B21-1541	8	-	
		8.8	d _≤ 16	800	250	22							
			d _≥ 16	830	255	23							
		10.9		1040	320	32							
Allen Screw	1367 P. 3	12.9		1220	385	39		4135-4140	8	3/4 H _t			
Self Tapping Screw	1367 P. 3	4.8 C.C.	Code No.	Dia. mm	C.C. depth Min. in mm	Tor * N-m	Surface HV	Core		NHT	1010-1015	22	-
								Rb	Rc				
			4	2.9	0.05	-	450	67	-	HT	1018-1020	12	-
			10	4.8	0.10	-							
			6	3.5	0.05	2.7	-	28	HT	1018-1020	12	-	
			12	5.5	0.10	10							

- NHT - Non Hardened & Tempered, HT- Hardened & Tempered, C.C. - Case Carburised ● 'G'-Complete Decarb not allowed more than 0.015 mm
- As per IS-1367 Pt. 6-For Nuts, not hardened & tempered and which satisfy the proof load test, minimum hardness shall not be cause for rejection * Torsional Strength

Chemical Composition Of Steel (in%)

Grades	C		Mn		Si		Al	P	S	Cr		Mo		B	
	Min	Max.	Min	Max.	Min	Max.	Max.	Max.	Max.	Min	Max.	Min	Max.	Min	Max.
(A) COLD HEADING QUALITY (CHO) STEELS															
SAE 1010	0.08	0.13	0.30	0.60	-	0.15	-	0.030	0.03	-	-	-	-	-	-
SAE 1015	0.12	0.18	0.30	0.60	-	0.15	0.02	0.030	0.03	-	-	-	-	-	-
SAE 1020	0.18	0.23	0.30	0.60	0.15	0.30	-	0.040	0.04	-	-	-	-	-	-
SAE 1541	0.36	0.44	1.35	1.65	0.15	0.30	-	0.030	0.03	-	-	-	-	-	-
SAE 4135	0.33	0.38	0.70	0.90	0.15	0.30	-	0.035	0.04	0.80	1.10	0.15	0.25	-	-
SAE 4140	0.38	0.43	0.75	1.00	0.15	0.30	-	0.035	0.04	0.80	1.10	0.15	0.25	-	-
10B21	0.18	0.23	0.80	1.20	0.15	0.35	0.02	0.030	0.03	-	0.20	-	-	0.0005	0.0030
15B25	0.23	0.28	0.90	1.20	0.15	0.35	0.02	0.030	0.03	-	0.20	-	-	0.0005	0.0030
15B41	0.36	0.44	1.35	1.65	0.15	0.30	-	0.003	0.03	-	-	-	-	0.0005	0.0030
EN8D	0.40	0.45	0.70	0.90	0.10	0.35	-	0.040	0.04	-	-	-	-	-	-
(B) STEELS OTHER THAN CHQ															
EN8M	0.35	0.45	0.90	1.30	-	0.25	-	0.060	0.20	-	-	-	-	-	-
EN1A	0.07	0.15	0.80	1.20	-	0.10	-	0.070	0.30	-	-	-	-	-	-
En19	0.35	0.45	0.50	0.80	0.15	0.35	0.02	0.035	1.20	0.90	1.20	0.20	4.00	-	-

Different Strength Grades.

SAE	B.S.	IS/ISO/DIN	UTS Kgf / mm ²	Hardness		
				BHN	HRb	HRc
	-	4.6	40.8	114/209	67/95	-
Grade 1	-	-	42.3	121/241	70/100	-
	-	4.8	42.8	124/209	71/95	-
Grade 2	-	-	52.1	154/241	80/100	-
	-	6.8	61.2	181/238	89/99	-
	R	-	71.0/86.8	201/285	-	-
	S	-	78.9/94.7	223/310	-	20/33
	-	8.8 _≤ M16	81.6	219/285	-	20/30
	-	8.8 _{>} M16	84.6	242/319	-	23/34
Grade 5	-	-	84.6	266/318	-	25/34
	T	-	86.8/102.6	248/335	-	24/36
	U	-	94.7/110.5	269/331	-	28/36
	V	-	102.6/118.4	293/370	-	31/40
Grade 8	-	-	105.7	311/362	-	33/39
	-	10.9	106.0	295/362	-	31/39

Property Class Nomenclature

NUT		BOLT		
Class	Apx. Proof Stress	Class	Digit 1 - Min Tensile Strength	Digit 2 - Ratio Min. Yield Stress Min. Ten. Strength
4	40	4.6	40	60
6	60	6.8	60	80
8	80	8.8	80	80
10	100	10.9	100	90

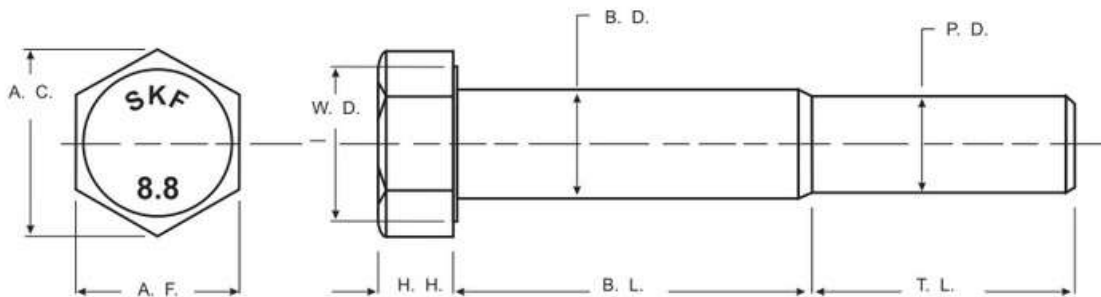
RANGE OF PRODUCTS

M.S. & HIGH TENSILE HEX BOLT

SIZE	LENGTH IN M.M.	SIZE	LENGTH IN INCH
M 4 X 0.7 F.T.	10 TO 40	1/4" BSW X 20 TPI F.T.	1/2" TO 2"
M 5 X 0.8 F.T.	10 TO 50	1/4" BSF X 26 TPI F.T.	1/2" TO 1 1/4"
M 6 X 1.0 F.T.	10 TO 75	1/4" BSW X 20 TPI H.T.	1 1/4" TO 3"
M 6 X 1.0 H.T.	25 TO 75	5/16" BSW X 18 TPI F.T.	1/2" TO 3"
M 8 X 1.25 F.T.	12 TO 75	5/16" BSF X 22 TPI F.T.	1/2" TO 1 1/2"
M 8 X 1.25 H.T.	30 TO 100	5/16" BSW X 18 TPI H.T.	1 1/2" TO 4"
M 10 X 1.5 F.T.	16 TO 100	5/16" BSF X 16 TPI F.T.	1 1/2" TO 4"
M 10 X 1.5 H.T.	30 TO 100	3/8" BSW X 16 TPI F.T.	3/4" TO 4"
M 12 X 1.75 F.T.	20 TO 100	3/8" BSW X 16 TPI H.T.	1 1/2" TO 4"
M 12 X 1.75 H.T.	40 TO 100	3/8" BSF X 20 TPI F.T.	3/4" TO 1 1/4"
M 12 X 1.5 H.T.	30 TO 80	3/8" BSF X 20 TPI H.T.	1 1/2" TO 4"
M 14 X 2 F.T.	35 TO 50	7/16" BSF X 18 TPI F.T.	3/4" TO 1 1/2"
M 14 X 1.5 H.T.	45 TO 75	7/16" BSF X 18 TPI H.T.	1 1/2" TO 4"
M 14 X 2 H.T.	50 TO 130	1/2" BSW X 12 TPI F.T.	1" TO 4"
M 16 X 1.5 F.T.	35 TO 100	1/2" BSW X 12 TPI H.T.	1 1/2" TO 6"
M 16 X 1.5 H.T.	50 TO 150	1/2" BSF X 16 TPI F.T.	3/4" TO 1 1/4"
M 16 X 2 F.T.	25 TO 100	1/2" BSF X 16 TPI H.T.	1 1/2" TO 4"
M 16 X 2 H.T.	50 TO 150	5/8" BSW X 11 TPI F.T.	1 1/4" TO 4"
M 20 X 2.5 F.T.	40 TO 100	5/8" BSW X 11 TPI H.T.	2" TO 6"
		3/4" BSW X 10 TPI F.T.	1 1/2" TO 4"
		1/4" UNC X 20 TPI F.T.	3/4" TO 1 1/2"
		5/16" UNC X 18 TPI F.T.	3/4" TO 1 1/4"
		3/8" UNC X 16 TPI F.T.	3/4" TO 2"
		1/2" UNC X 13 TPI F.T.	1" TO 2"

All above M.M. Size as per IS 1367-1967 and thread ISO Metric as per IS 4218-1967.
 All above INCH Size as per BS 1083-1965 standard thread in BS84 R, S, T, V, Grades,
 also above INCH size in UNC, UNF threads as per ANSI standard in GR-5 and GR-8

● IN M.M. SIZE PITCH IN INCH SIZE THREAD PER INCH (TPI)
 ● F.T. = FULL THREAD H.T. = HALF THREAD



M.M. SIZE OLD STD

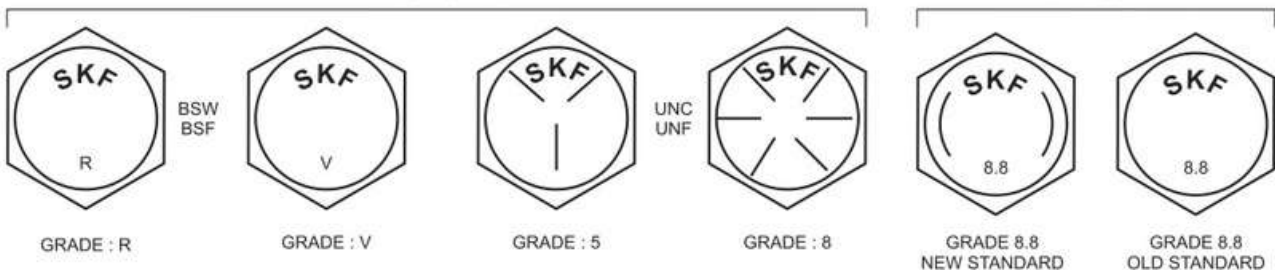
A. F. = ACROSS FLAT
 W.D. = WASHER DIAMETER
 B.L. = BODY LENGTH
 B.D. = BODY DIAMETER

A. C. = ACROSS CORNER
 H. H. = HEAD HEIGHT
 T. L. = THREAD LENGTH
 P. D. = PITCH DIAMETER

STAMPING DETAILS

INCH SIZE

M.M. SIZE





SKF High Tensile Hex Bolt





CNC FASTENERS

Survey No. - 251 PLOT NO 2, Opp. Capital Roller,
MEENA CASTING Gate SHAPAR (VERAVAL), Rajkot - 360024, Gujarat India.

 +91 94281 57067 / +91 9824517270

 cncfasteners@yahoo.com