

Marketed By:



فاستنر بوينت (ش.ذ.م.م.)  
**FASTENER POINT LLC**



Manufactured By:



فاستنر بوينت للصناعات (ش.ذ.م.م.)  
**FASTENER POINT IND. LLC**

BOLT SIZE	PITCH	STRESS AREA	BOLT/SCREW & STUD ASTM A193M / A320M B8M-2										NUT ASTM A194M 8M				
			SHANK DIAMETER	WIDTH ACCROSS FLATS	HEAD HEIGHT	YIELD STRESS	YIELD LOAD	TENSILE STRESS	TORQUE *	REDUCTION OF AREA	HARDNESS	ELONG-ATION #	WIDTH ACCROSS FLATS	HEAD HEIGHT	PROOF STRESS	PROOF LOAD	HARDNESS
mm	mm	mm <sup>2</sup>	mm	mm	mm	Mpa	KN	Mpa	N-m	%	HRC	%	mm	mm	Mpa	KN	HB
M6	1	20.1				655	13.2	760	10.6	45-	-35	15-			550	11.1	126-300
M8	1.25	36.6				655	24.0	760	25.7	45-	-35	15-			550	20.1	126-300
M10	1.5	58.8				655	38.5	760	51.7	45-	-35	15-			550	32.3	126-300
M12	1.75	84.3	11.73~12.00	20.67~21.00	7.24~7.76	655	55.2	760	89.0	45-	-35	15-	20.16~21.00	11.90~12.30	550	46.4	126-300
M14	2.0	115.0	13.73~14.00	23.67~24.00	8.51~9.09	655	75.3	760	141.6	45-	-35	15-	23.16~24.00	13.60~14.30	550	63.3	126-300
M16	2.0	157.0	15.73~16.00	26.67~27.00	9.68~10.32	655	102.8	760	220.9	45-	-35	15-	26.16~27.00	16.40~17.10	550	86.4	126-300
M18	2.5	192.0				655	125.8	760	303.9	45-	-35	15-			550	105.6	126-300
M20	2.5	245.0	19.67~20.00	33.00~34.00	12.12~12.88	655	160.5	760	430.9	45-	-35	15-	33.00~34.00	19.40~20.70	550	134.8	126-300
M22	2.5	303.0				550	166.7	690	492.2	45-	-35	20-	35.00~36.00	22.30~23.60	550	166.7	126-300
M24	3.0	353.0	23.67~24.00	40.00~41.00	14.56~15.44	550	194.2	690	625.6	45-	-35	20-	40.00~41.00	22.90~24.20	550	194.2	126-300
M27	3.0	459.0				450	206.6	655	748.7	45-	-35	25-	45.00~46.00	26.30~27.60	550	252.5	126-300
M30	3.5	561.0	29.67~30.00	49.00~50.00	17.92~19.48	450	252.5	655	1,017	45-	-35	25-	49.00~50.00	29.10~30.70	550	308.6	126-300
M33	3.5	694.0				345	239.4	620	1,061	45-	-35	30-			550	381.7	126-300
M36	4.0	817.0	35.61~36.00	58.80~60.00	21.72~23.38	345	281.9	620	1,362	45-	-35	30-	58.80~60.00	35.00~36.60	550	449.4	126-300
M39	4.0	976.0													550	536.8	126-300
M42	4.5	1,120.0											67.90~70.00	40.40~42.00	550	616.0	126-300
M45	4.5	1,310.0													550	720.5	126-300
M48	5.0	1,470.0											77.60~80.00	46.40~48.00	550	808.5	126-300
M52	5.0	1,760.0													550	968.0	126-300
M56	5.5	2,030.0											87.20~90.00	54.10~56.00	550	1,116.5	126-300
M60	5.5	2,360.0													550	1,298.0	126-300
M64	6.0	2,680.0											96.80~100.00	62.10~64.00	550	1,474.0	126-300
M68	6.0	3,060.0													550	1,683.0	126-300
M72	6.0	3,460.0											106.40~110.00	70.10~72.00	550	1,903.0	126-300
M76	6.0	3,890.0													550	2,139.5	126-300
M80	6.0	4,340.0											116.00~120.00	78.10~80.00	550	2,387.0	126-300
M85	6.0	4,950.0													550	2,722.5	126-300
M90	6.0	5,590.0											130.50~135.00	87.80~90.00	550	3,074.5	126-300
M95	6.0	6,270.0													550	3,448.5	126-300
M100	6.0	6,990.0											145.00~150.00	97.80~100.00	550	3,844.5	126-300
Dimensions	HEAVY HEX as per ANSI/ASME B18.2.3.3M										HEAVY HEX as per ANSI/ASME B18.2.4.6M						
Markings	'FPI' 'B8M'										'FPI' '8M'						
Tempering °C																	
Heating for 24Hours for the Nut °C																	
Hardness After Heating																	
Charpy Test Specimen 10X10X55																	
Charpy V Notch Impact test at																	
Carbon	-0.08										-0.08						
Manganese	-2.0										-2.0						
Sulfur	-0.03										-0.03						
Silicon	-1.0										-1.0						
Chromium	16.0-18.0										16.0-18.0						
Molybdenum	2.0-3.0										2.0-3.0						
Nickle	10.0-14.0										10.0-14.0						
Vanadium																	
Boron																	
Copper																	
Nitrogen																	
Phosphorus	-0.045										-0.045						
Material	AISI 316										AISI 316						

Notes:

Left hand side of '-' is minimum value  
right hand side of '-' is maximum value  
Eg. 0.5-0.7 min is 0.5 and max is 0.7  
Eg. -0.8 max is 0.8 no minimum value  
Eg. 2.0- min is 2.0 no maximum value

\* Torque value based on 75% of proof load and finish as received steel  
# Elongation in length of 4 times Diameter

While every care has been taken in preparation of the information, the company accepts no liability for any loss or damage either direct or consequential, Please refer Original standards for details.