

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 B8-1										NUT ASTM A194M 8				
			SHANK DIAMETER	WIDTH ACCROSS FLATS	HEAD HEIGHT	YIELD STRESS	YIELD LOAD	TENSILE STRESS	TORQUE *	REDUCTION OF AREA	HARDNESS	ELONGATION #	WIDTH ACCROSS FLATS	HEAD HEIGHT	PROOF STRESS	PROOF LOAD	HARDNESS
			mm	mm	mm	Mpa	KN	Mpa	N-m	%	HRB	%	mm	mm	Mpa	KN	HB
M6	1	20.1				205	4.1	515	3.3	50-	-96	30-			550	11.1	126-300
M8	1.25	36.6				205	7.5	515	8.1	50-	-96	30-			550	20.1	126-300
M10	1.5	58.8				205	12.1	515	16.2	50-	-96	30-			550	32.3	126-300
M12	1.75	84.3	11.73~12.00	20.67~21.00	7.24~7.76	205	17.3	515	27.8	50-	-96	30-	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	205	23.6	515	44.3	50-	-96	30-	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	205	32.2	515	69.1	50-	-96	30-	26.16~27.00	16.40~17.10	550	86.4	126-300
M18	2.5	192.0				205	39.4	515	95.1	50-	-96	30-			550	105.6	126-300
M20	2.5	245.0	19.67~20.00	33.00~34.00	12.12~12.88	205	50.2	515	134.9	50-	-96	30-	33.00~34.00	19.40~20.70	550	134.8	126-300
M22	2.5	303.0				205	62.1	515	183.5	50-	-96	30-	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	205	72.4	515	233.2	50-	-96	30-	40.00~41.00	22.90~24.20	550	194.2	126-300
M27	3.0	459.0				205	94.1	515	341.1	50-	-96	30-	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	205	115.0	515	463	50-	-96	30-	49.00~50.00	29.10~30.70	550	308.6	126-300
M33	3.5	694.0				205	142.3	515	630	50-	-96	30-			550	381.7	126-300
M36	4.0	817.0	35.61~36.00	58.80~60.00	21.72~23.38	205	167.5	515	809	50-	-96	30-	58.80~60.00	35.00~36.60	550	449.4	126-300
M39	4.0	976.0				205	200.1	515	1,048	50-	-96	30-			550	536.8	126-300
M42	4.5	1,120.0				205	229.6	515	1,295	50-	-96	30-	67.90~70.00	40.40~42.00	550	616.0	126-300
M45	4.5	1,310.0				205	268.6	515	1,622	50-	-96	30-			550	720.5	126-300
M48	5.0	1,470.0				205	301.4	515	1,942	50-	-96	30-	77.60~80.00	46.40~48.00	550	808.5	126-300
M52	5.0	1,760.0				205	360.8	515	2,519	50-	-96	30-			550	968.0	126-300
M56	5.5	2,030.0				205	416.2	515	3,129	50-	-96	30-	87.20~90.00	54.10~56.00	550	1,116.5	126-300
M60	5.5	2,360.0				205	483.8	515	3,897	50-	-96	30-			550	1,298.0	126-300
M64	6.0	2,680.0				205	549.4	515	4,720	50-	-96	30-	96.80~100.00	62.10~64.00	550	1,474.0	126-300
M68	6.0	3,060.0				205	627.3	515	5,727	50-	-96	30-			550	1,683.0	126-300
M72	6.0	3,460.0				205	709.3	515	6,856	50-	-96	30-	106.40~110.00	70.10~72.00	550	1,903.0	126-300
M76	6.0	3,890.0				205	797.5	515	8,136	50-	-96	30-			550	2,139.5	126-300
M80	6.0	4,340.0				205	889.7	515	9,555	50-	-96	30-	116.00~120.00	78.10~80.00	550	2,387.0	126-300
M85	6.0	4,950.0				205	1,014.8	515	11,580	50-	-96	30-			550	2,722.5	126-300
M90	6.0	5,590.0				205	1,146.0	515	13,846	50-	-96	30-	130.50~135.00	87.80~90.00	550	3,074.5	126-300
M95	6.0	6,270.0				205	1,285.4	515	16,393	50-	-96	30-			550	3,448.5	126-300
M100	6.0	6,990.0				205	1,433.0	515	19,237	50-	-96	30-	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' 'B8'										'FPI' '8'						
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	18.0-20.0										18.0-20.0						
Molybdenum																	
Nickle	8.0-11.0										8.0-11.0						
Vanadium																	
Boron																	
Copper																	
Nitrogen																	
Phosphorus	-0.045										-0.045						
Material	AISI 304										AISI 304						

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.