

Marketed By:



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



Manufactured By:



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

		PITCH TPI		Stress area in ²			BOLT/SCREW & STUD ASTM A193 / A320 B8M-2										NUT ASTM A194 Gr.8M						
BOLT SIZE	Inch	UNC	UNF	8UN	UNC	UNF	8UN	SHANK DIAMETER Inch	WIDTH ACCROSS FLATS Inch	HEAD HEIGHT Inch	YIELD STRESS ksi	YIELD LOAD 8UN lbf	TENSILE STRESS ksi	TORQUE * ft. lbf	REDUCTION OF AREA %	HARDNESS HRC	ELONGATION # %	WIDTH ACCROSS FLATS Inch	HEAD HEIGHT Inch	PROOF STRESS ksi	PROOF LOAD 8UN lbf	HARDNESS HB	
																							0.0318
5/16	18	24			0.0524	0.0580																	
3/8	16	24			0.0775	0.0878																	
7/16	14	20			0.1063	0.1187																	
1/2	13	20			0.1419	0.1599																	
9/16	12	18			0.182	0.203																	
5/8	11	18			0.226	0.256																	
3/4	10	16			0.334	0.373																	
7/8	9	14			0.462	0.509																	
1	8	12	8		0.606	0.663	0.606	0.976-1.022	1.575-1.625	0.591-0.700	80	48,480	110	542	45-	-35	20-	1.575-1.625	0.956-1.012	80	48,500	126-300	
1 1/8	7	12	8		0.763	0.856	0.790	1.098-1.149	1.756-1.812	0.658-0.780	65	51,350	95	646	45-	-35	25-	1.756-1.812	1.079-1.139	80	63,200	126-300	
1 1/4	7	12	8		0.969	1.073	1.000	1.223-1.277	1.938-2.000	0.749-0.876	65	65,000	95	909	45-	-35	25-	1.938-2.000	1.187-1.251	80	80,000	126-300	
1 3/8	6	12	8		1.155	1.315	1.233	1.345-1.404	2.119-2.188	0.810-0.940	50	61,700	90	949	45-	-35	30-	2.119-2.188	1.310-1.378	80	98,700	126-300	
1 1/2	6	12	8		1.405	1.581	1.492	1.470-1.531	2.300-2.375	0.902-1.036	50	74,600	90	1,252	45-	-35	30-	2.300-2.375	1.433-1.505	80	119,400	126-300	
1 5/8			8				1.78																
1 3/4	5		8		1.90		2.08																
1 7/8			8				2.41																
2	4 1/2		8		2.50		2.77																
2 1/4	4 1/2		8		3.25		3.56																
2 1/2	4		8		4.00		4.44																
2 3/4	4		8		4.93		5.43																
3	4		8		5.97		6.51																
3 1/4	4		8		7.10		7.69																
3 1/2	4		8		8.33		8.96																
3 3/4	4		8		9.66		10.34																
4	4		8		11.08		11.81																
Dimensions							HEAVY HEX as per ANSI/ASME B18.2.1										HEAVY HEX as per ANSI/ASME B18.2.2						
Markings							'FPI' 'B&M'										'FPI' '8M'						
Tempering °C																							
Heating for 24 Hours for the Nut °C																							
Hardness After Heating																							
Charpy Test Specimen 10X10X55																							
Charpy V Notch Impact test at																							
Carbon																	-0.08						
Manganese																	-2.0						
Sulfur																	-0.03						
Silicon																	-1.0						
Chromium																	16.0-18.0						
Molybdenum																	2.0-3.0						
Nickel																	10.0-14.0						
Vanadium																							
Boron																							
Copper																							
Nitrogen																	-0.045						
Phosphorus																	-0.045						
Material							SS-316										SS-316						

Notes:

- 8UN means less than 1" UNC thread and above 1" 8 TPI thread
- 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

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