

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-1										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 HRB	ELONG-ATION # %	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	30	18,180	75	203	50-	-96	30-	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	30	23,700	75	298	50-	-96	30-	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	30	30,000	75	420	50-	-96	30-	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	30	37,020	75	569	50-	-96	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	30	44,760	75	751	50-	-96	30-	2.300-2.375	1.433-1.505	80	119,400	126-300	
1 5/8			8				1.78	1.591-1.658	2.481-2.562	0.978-1.116	30	53,100	75	965	50-	-96	30-	2.481-2.562	1.556-1.632	80	141,600	126-300	
1 3/4	5		8	1.90			2.08	1.716-1.785	2.662-2.750	1.054-1.196	30	62,400	75	1,222	50-	-96	30-	2.662-2.750	1.679-1.759	80	166,400	126-300	
1 7/8			8				2.41	1.839-1.912	2.844-2.938	1.130-1.276	30	72,300	75	1,517	50-	-96	30-	2.844-2.938	1.802-1.886	80	192,800	126-300	
2	4 1/2		8	2.50			2.77	1.964-2.039	3.025-3.125	1.175-1.388	30	83,100	75	1,859	50-	-96	30-	3.025-3.125	1.925-2.013	80	221,600	126-300	
2 1/4	4 1/2		8	3.25			3.56	2.214-2.305	3.388-3.500	1.327-1.548	30	106,800	75	2,688	50-	-96	30-	3.388-3.500	2.155-2.251	80	284,800	126-300	
2 1/2	4		8	4.00			4.44	2.461-2.559	3.750-3.875	1.479-1.708	30	133,200	75	3,725	50-	-96	30-	3.750-3.875	2.401-2.505	80	355,200	126-300	
2 3/4	4		8	4.93			5.43	2.711-2.827	4.112-4.250	1.632-1.869	30	162,900	75	5,012	50-	-96	30-	4.112-4.250	2.647-2.759	80	434,400	126-300	
3	4		8	5.97			6.51	2.961-3.081	4.475-4.625	1.815-2.060	30	195,300	75	6,555	50-	-96	30-	4.475-4.625	2.893-3.013	80	520,800	126-300	
3 1/4	4		8	7.10			7.69				30	230,700	75	8,388	50-	-96	30-	4.838-5.000	3.124-3.252	80	615,200	126-300	
3 1/2	4		8	8.33			8.96				30	268,800	75	10,525	50-	-96	30-	5.200-5.375	3.370-3.506	80	716,800	126-300	
3 3/4	4		8	9.66			10.34				30	310,200	75	13,014	50-	-96	30-	5.562-5.750	3.616-3.760	80	827,200	126-300	
4	4		8	11.08			11.81				30	354,300	75	15,855	50-	-96	30-	5.925-6.125	3.862-4.014	80	944,800	126-300	
Dimensions							HEAVY HEX as per ANSI/ASME B18.2.1										HEAVY HEX						
Markings							'FPI' 'B8M'										'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																							
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

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.