

Marketed By:



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



Manufactured By:



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

BOLT SIZE	PITCH TPI						BOLT/SCREW ASTM A325-1											NUT ASTM A563 DH*				
	Inch	UNC	UNF	8UN	Stress area in ²		SHANK DIAMETER	WIDTH ACCROSS FLATS	HEAD HEIGHT	PROOF STRESS	PROOF LOAD	TENSILE STRESS	TORQUE *	HARDNESS	ELONGATION #	WIDTH ACCROSS FLATS	HEAD HEIGHT	PROOF STRESS		PROOF LOAD		HARDNESS
					UNC	UNF												8UN	Inch	Inch	Inch	
																		PLAIN	HDG	PLAIN	HDG	
1/4	20	28			0.0318	0.0364																
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	0.482-0.515	0.850-0.875	0.302-0.323	85	21,290	120	67	25-34	14-	0.850-0.875	0.464-0.504	175	150	24,830	21,290	24-38
9/16	12	18			0.182	0.203				85	15,470	120	97	25-34	14-			175	150	31,850	27,300	24-38
5/8	11	18			0.226	0.256	0.605-0.642	1.031-1.063	0.378-0.403	85	33,900	120	134	25-34	14-	1.031-1.062	0.587-0.631	175	150	39,550	33,900	24-38
3/4	10	16			0.334	0.373	0.729-0.768	1.212-1.250	0.455-0.483	85	28,390	120	238	25-34	14-	1.212-1.250	0.710-0.758	175	150	58,450	50,100	24-38
7/8	9	14			0.462	0.509	0.852-0.895	1.394-1.437	0.531-0.563	85	69,300	120	384	25-34	14-	1.394-1.438	0.833-0.885	175	150	80,850	69,300	24-38
1	8	12	8		0.606	0.663	0.976-1.022	1.575-1.625	0.591-0.627	85	51,510	120	576	25-34	14-	1.575-1.625	0.956-1.012	175	150	106,050	90,900	24-38
1 1/8	7	12	8		0.763	0.856	1.098-1.149	1.756-1.813	0.658-0.718	74	56,460	105	711	19-30	14-	1.756-1.812	1.079-1.139	175	150	133,530	114,450	24-38
1 1/4	7	12	8		0.969	1.073	1.223-1.277	1.938-2.000	0.749-0.813	74	71,710	105	1,003	19-30	14-	1.938-2.000	1.187-1.251	175	150	169,580	145,350	24-38
1 3/8	6	12	8		1.155	1.315	1.345-1.404	2.119-2.188	0.810-0.878	74	85,470	105	1,315	19-30	14-	2.119-2.188	1.310-1.378	175	150	202,130	173,250	24-38
1 1/2	6	12	8		1.405	1.581	1.470-1.531	2.300-2.375	0.902-0.974	74	103,970	105	1,745	19-30	14-	2.300-2.375	1.433-1.505	175	150	245,880	210,750	24-38
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			8		9.66	10.34																
4	4		8		11.08	11.81																
Dimensions							HEAVY HEX as per ANSI/ASME B18.2.6											HEAVY HEX as per ANSI/ASME B18.2.2				
Markings							'FPI' 'A325'											'FPI' 'DH'				
Carbon							0.30-0.52											0.20-0.55				
Manganese							0.60-											0.60-				
Sulfur							-0.05/-0.04											-0.05				
Silicon							0.15-0.35															
Chromium																						
Molybdenum																						
Nickel																						
Vanadium																						
Boron																						
Copper																						
Nitrogen																						
Phosphorus							-0.04/-0.35											-0.04				
Material							Plain Carbon/Alloy Steel											Plain Carbon Steel				

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

* ALTERNATIVE ASTM A194 2H CAN BE USED

* 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.