

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 TPI						BOLT/SCREW & STUD SAE J429 GRADE 5										NUT SAE J995 GRADE 5							
	UNC		UNF		8UN		SHANK DIAMETER	WIDTH ACCROSS FLATS	HEAD HEIGHT	PROOF STRESS	PROOF LOAD	PROOF LOAD	TENSILE STRESS	TORQUE *	HARDNESS	ELONG-ATION #	WIDTH ACCROSS FLATS	HEAD HEIGHT	PROOF STRESS	PROOF LOAD	PROOF STRESS	PROOF LOAD	HARDNESS	
	Inch					Inch																		Inch
1/4	20	28			0.0318	0.0364	0.245-0.250	0.428-0.438	0.150-0.163	85	2,700	3,090	120	8	25-34	14-	0.428-0.438	0.212-0.226	120	3,820	109	3,970	-32	
5/16	18	24			0.0524	0.0580	0.307-0.313	0.489-0.500	0.195-0.211	85	4,450	4,930	120	16	25-34	14-	0.489-0.500	0.258-0.273	120	6,290	109	6,320	-32	
3/8	16	24			0.0775	0.0878	0.369-0.375	0.551-0.563	0.226-0.243	85	6,590	7,460	120	28	25-34	14-	0.551-0.562	0.320-0.337	120	9,300	109	9,570	-32	
7/16	14	20			0.1063	0.1187	0.431-0.438	0.612-0.625	0.272-0.291	85	9,040	10,090	120	44	25-34	14-	0.675-0.688	0.365-0.385	120	12,760	109	12,940	-32	
1/2	13	20			0.1419	0.1599	0.493-0.500	0.736-0.750	0.302-0.323	85	12,060	13,590	120	67	25-34	14-	0.736-0.750	0.427-0.448	120	17,030	109	17,430	-32	
9/16	12	18			0.182	0.203	0.555-0.563	0.798-0.813	0.348-0.371	85	15,470	17,260	120	97	25-34	14-	0.861-0.875	0.473-0.496	120	21,840	109	22,130	-32	
5/8	11	18			0.226	0.256	0.617-0.625	0.922-0.938	0.378-0.403	85	19,210	21,760	120	134	25-34	14-	0.922-0.938	0.535-0.559	120	27,120	109	27,900	-32	
3/4	10	16			0.334	0.373	0.741-0.750	1.100-1.125	0.455-0.483	85	28,390	31,710	120	238	25-34	14-	1.088-1.125	0.617-0.665	120	40,080	109	40,660	-32	
7/8	9	14			0.462	0.509	0.866-0.875	1.285-1.313	0.531-0.563	85	39,270	43,270	120	384	25-34	14-	1.269-1.312	0.724-0.776	120	55,440	109	55,480	-32	
1	8	12	8	0.606	0.663	0.606	0.990-1.000	1.469-1.500	0.591-0.627	85	51,510	56,360	120	576	25-34	14-	1.450-1.500	0.831-0.887	120	72,720	109	72,270	-32	
1 1/8	7	12	8	0.763	0.856	0.790	1.114-1.125	1.631-1.688	0.658-0.718	74	56,460	63,340	105	711	19-30	14-	1.631-1.688	0.939-0.999	105	80,120	94	80,460	-32	
1 1/4	7	12	8	0.969	1.073	1.000	1.239-1.250	1.812-1.875	0.749-0.813	74	71,710	79,400	105	1,003	19-30	14-	1.812-1.875	1.030-1.094	105	101,750	94	100,860	-32	
1 3/8	6	12	8	1.155	1.315	1.233	1.363-1.375	1.994-2.063	0.810-0.878	74	85,470	97,310	105	1,315	19-30	14-	1.994-2.062	1.138-1.206	105	121,280	94	123,610	-32	
1 1/2	6	12	8	1.405	1.581	1.492	1.488-1.500	2.175-2.250	0.902-0.974	74	103,970	116,990	105	1,745	19-30	14-	2.175-2.250	1.245-1.317	105	147,530	94	148,610	-32	
1 5/8			8			1.78																	-32	
1 3/4	5		8	1.90		2.08				74	140,560		105	2,753	19-30	14-			105	199,500				-32
1 7/8			8			2.41																	-32	
2	4 1/2		8	2.50		2.77				74	184,870		105	4,139	19-30	14-			105	262,500				-32
2 1/4	4 1/2		8	3.25		3.56				74	240,330		105	6,054	19-30	14-			105	341,250				-32
2 1/2	4		8	4.00		4.44				74	295,910		105	8,279	19-30	14-			105	420,000				-32
2 3/4	4		8	4.93		5.43				74	365,120		105	11,224	19-30	14-			105	517,650				-32
3	4		8	5.97		6.51				74	441,590		105	14,827	19-30	14-			105	626,850				-32
3 1/4	4		8	7.10		7.69				74	525,320		105	19,103	19-30	14-			105	745,500				-32
3 1/2	4		8	8.33		8.96				74	616,320		105	24,137	19-30	14-			105	874,650				-32
3 3/4	4		8	9.66		10.34				74	714,840		105	29,990	19-30	14-			105	1,014,300				-32
4	4		8	11.08		11.81				74	820,110		105	36,691	19-30	14-			105	1,163,400				-32
Dimensions	HEX as per ANSI/ASME B18.2.1											HEX as per ANSI/ASME B18.2.2												
Markings	'FPI' Three Radial lines											'FPI' Two Radial lines												
Carbon	0.28-0.55											-0.55												
Manganese												0.30-												
Sulfur	-0.05											-0.15												
Silicon																								
Chromium																								
Molybdenum																								
Nickle																								
Vanadium																								
Boron																								
Copper																								
Nitrogen																								
Phosphorus	-0.03											-0.05												
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

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

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