

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 BS 3692 Gr. 8.8									NUT BS 3692 Gr. 8				
			SHANK DIAMETER	WIDTH ACCROSS FLATS	HEAD HEIGHT	PROOF STRESS	PROOF LOAD	TENSILE STRESS	TORQUE *	HARDNESS	ELONG-ATION #	WIDTH ACCROSS FLATS	HEAD HEIGHT	PROOF STRESS	PROOF LOAD	HARDNESS
mm	mm	mm ²	mm	mm	mm	Mpa	KN	Mpa	N-m	HRC	%	mm	mm	Mpa	KN	HRC
M6	1	20.1	5.82~6.00	9.78~10.00	3.85~4.15	580	11.7	800	9.4	22-32	12-	9.78~10.00	4.70~5.00	800	16.1	-30
M8	1.25	36.6	7.78~8.00	12.73~13.00	5.35~5.65	580	21.2	800	22.8	22-32	12-	12.73~13.00	6.14~6.50	800	29.3	-30
M10	1.5	58.0	9.78~10.00	16.73~17.00	6.82~7.18	580	33.7	800	45.8	22-32	12-	16.73~17.00	7.64~8.00	800	47.0	-30
M12	1.75	84.3	11.73~12.00	18.67~19.00	7.82~8.18	600	50.7	830	81.5	23-34	12-	18.67~19.00	9.64~10.00	800	67.4	-30
M14	2.0	115.0	13.73~14.00	21.67~22.00	8.82~9.18	600	69.0	830	129.7	23-34	12-	21.67~22.00	10.57~11.00	800	92.0	-30
M16	2.0	157.0	15.73~16.00	23.67~24.00	9.82~10.18	600	94.5	830	202.3	23-34	12-	23.67~24.00	12.57~13.00	800	125.6	-30
M18	2.5	192.0	17.73~18.00	26.67~27.00	11.785~12.215	600	115.2	830	278.4	23-34	12-	26.67~27.00	14.57~15.00	800	153.6	-30
M20	2.5	245.0	19.67~20.00	29.67~30.00	12.785~13.215	600	147.0	830	394.7	23-34	12-	29.67~30.00	15.57~16.00	800	196.0	-30
M22	2.5	303.0	21.67~22.00	31.61~32.00	13.785~14.215	600	181.8	830	536.9	23-34	12-	31.61~32.00	17.57~18.00	800	242.4	-30
M24	3.0	353.0	23.67~24.00	35.38~36.00	14.785~15.215	600	211.8	830	682.4	23-34	12-	35.38~36.00	18.48~19.00	800	282.4	-30
M27	3.0	459.0	26.67~27.00	40.38~41.00	16.785~17.215	600	275.4	830	998.3	23-34	12-	40.38~41.00	21.48~22.00	800	367.2	-30
M30	3.5	561.0	29.67~30.00	45.38~46.00	18.74~19.26	600	336.6	830	1,356	23-34	12-	45.38~46.00	23.48~24.00	800	448.8	-30
M33	3.5	694.0	32.61~33.00	49.38~50.00	20.74~21.26	600	416.4	830	1,845	23-34	12-	49.38~50.00	25.48~26.00	800	555.2	-30
M36	4.0	817.0	35.61~36.00	54.26~55.00	22.74~23.26	600	490.2	830	2,369	23-34	12-	54.26~55.00	28.48~29.00	800	653.6	-30
M39	4.0	976.0	38.61~39.00	59.26~60.00	24.74~25.26	600	585.6	830	3,066	23-34	12-	59.26~60.00	30.38~31.00	800	780.8	-30
M42	4.5	1,120.0	41.61~42.00	64.26~65.00	25.74~26.26	600	672.00	830	3,789	23-34	12-	64.26~65.00	33.38~34.00	800	896.0	-30
M45	4.5	1,310.0	44.61~45.00	69.26~70.00	27.74~28.26	600	786.00	830	4,748	23-34	12-	69.26~70.00	35.38~36.00	800	1,048.0	-30
M48	5.0	1,470.0	47.61~48.00	74.26~75.00	29.74~30.26	600	882.00	830	5,684	23-34	12-	74.26~75.00	37.38~38.00	800	1,176.0	-30
M52	5.0	1,760.0	51.54~52.00	79.26~80.00	32.69~33.21	600	1,056.00	830	7,372	23-34	12-	79.26~80.00	41.38~42.00	800	1,408.0	-30
M56	5.5	2,030.0	55.54~56.00	84.13~85.00	34.69~35.31	600	1,218.00	830	9,157	23-34	12-	84.13~85.00	44.38~45.00	800	1,624.0	-30
M60	5.5	2,360.0	59.54~60.00	89.13~90.00	37.69~38.31	600	1,416.00	830	11,406	23-34	12-	89.13~90.00	47.38~48.00	800	1,888.0	-30
M64	6.0	2,680.0	63.54~64.00	94.13~95.00	39.69~40.31	600	1,608.00	830	13,816	23-34	12-	94.13~95.00	50.26~51.00	800	2,144.0	-30
M68	6.0	3,060.0	67.54~68.00	99.13~100.00	42.69~43.31	600	1,836.00	830	16,761	23-34	12-			800	2,448.0	-30
M72	6.0	3,460.0				600	2,076.00	830	20,067	23-34	12-			800	2,768.0	-30
M76	6.0	3,890.0				600	2,334.00	830	23,814	23-34	12-			800	3,112.0	-30
M80	6.0	4,340.0				600	2,604.00	830	27,967	23-34	12-			800	3,472.0	-30
M85	6.0	4,950.0				600	2,970.00	830	33,891	23-34	12-			800	3,960.0	-30
M90	6.0	5,590.0				600	3,354.00	830	40,525	23-34	12-			800	4,472.0	-30
M95	6.0	6,270.0				600	3,762.00	830	47,980	23-34	12-			800	5,016.0	-30
M100	6.0	6,990.0				600	4,194.00	830	56,304	23-34	12-			800	5,592.0	-30
Dimensions	HEX as per BS 3692											HEX as per BS 3692				
Markings	'FPI' 'M' '8.8'											'FPI' '8'				
Carbon	0.25-0.55/0.20-0.55											-0.58				
Manganese												(<= M16) 0.25- / 0.3- (> M16)				
Sulfur	-0.025											(<= M16) -0.15 / -0.056 (> M16)				
Silicon																
Chromium																
Molybdenum																
Nickle																
Vanadium																
Boron	-0.003															
Copper																
Nitrogen																
Phosphorus	-0.025											-0.06 / -0.048				
Material	Carbon steel/Alloy steel quenched & tempered											Medium Carbon Steel				

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

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