BOLT SIZE	PITCH	STRESS AREA	BOLT/SCREW & STUD ISO 3506-1 A4 (316)																		NUT ISO 3506-2				
			SHANK DIAMETER	WIDTH ACCROS FLATS	HEAD HEIGHT	PROOF STRESS	PROOF LOAD	TORQUE *	TENSILE STRESS	ELONG-ATION #	PROOF STRESS	PROOF LOAD	TORQUE *	TENSILE STRESS	ELONG-ATION #	PROOF STRESS	PROOF LOAD	TORQUE *	TENSILE STRESS	ELONG-ATION #	WIDTH ACCROSS FLATS	HEAD HEIGHT	PROOF STRESS	PROOF STRESS	PROOF STRESS
mm	mm	mm 2	mm	mm	mm	Mpa	KN	N-m	Mpa	%	Mpa	KN	N-m	Mpa	%	Mpa	KN	N-m	Mpa	%	mm	mm	Mpa	Mpa	Mpa
						CLASS A4-50					CLASS A4-70					CLASS A4-80							A4-50	A4-70	A4-80
M6	1	20.1	5.82/5.70~6.00	9.78/9.64~10.00	3.85/3.76~4.15/4.24	210	4.2	3.4	500	0.6 d-	450	9.0	7.3	700	0.4 d-	600	12.1	9.7	800	0.3 d-	9.78~10.00	4.90~5.20	500	700	800
M8	1.25	36.6	7.78/7.64~8.00	12.73/12.57~13.00	5.15/5.06~5.45/5.54	210	7.7	8.3	500	0.6 d-	450	16.5	17.7	700	0.4 d-	600	22.0	23.6	800	0.3 d-	12.73~13.00	6.44~6.80	500	700	800
M10	1.5	58.8	9.78/9.64~10.00	15.73/15.57~16.00	6.22/6.11~6.58/6.69	210	12.3	16.6	500	0.6 d-	450	26.5	35.5	700	0.4 d-	600	35.3	47.4	800	0.3 d-	15.73~16.00	8.04~8.40	500	700	800
M12	1.75	84.3	11.73/11.57~12.00	17.73/17.57~18.00	7.32/7.21~7.68/7.79	210	17.7	28.5	500	0.6 d-	450	37.9	61.1	700	0.4 d-	600	50.6	81.5	800	0.3 d-	17.73~18.00	10.37~10.80	500	700	800
M14	2.0	115.0	13.73/13.57~14.00	20.67/20.16~21.00	8.62/8.51~8.98/9.09	210	24.2	45.4	500	0.6 d-	450	51.8	97.3	700	0.4 d-	600	69.0	129.7	800	0.3 d-	20.67~21.00	12.10~12.80	500	700	800
M16	2.0	157.0	15.73/15.57~16.00	23.67/23.16~24.00	9.82/9.71~10.18/10.29	210	33.0	70.8	500	0.6 d-	450	70.7	151.8	700	0.4 d-	600	94.2	202.3	800	0.3 d-	23.67~24.00	14.10~14.80	500	700	800
M18	2.5	192.0	17.73/17.57~18.00	26.67/26.16~27.00	11.285/11.15~11.715/11.85	210	40.3	97.4	500	0.6 d-	450	86.4	208.8	700	0.4 d-	600	115.2	278.4	800	0.3 d-	26.16~27.00	15.10~15.80	500	700	800
M20	2.5	245.0	19.67/19.48~20.00	29.67/29.16~30.00	12.285/12.15~12.715/12.85	210	51.5	138.1	500	0.6 d-	450	110.3	296.0	700	0.4 d-	600	147.0	394.7	800	0.3 d-	29.16~30.00	16.90~18.00	500	700	800
M22	2.5	303.0	21.67/21.48~22.00	33.38/33.00~34.00	13.785/13.65~14.215/14.35	210	63.6	187.9	500	0.6 d-	450	136.4	402.7	700	0.4 d-	600	181.8	536.9	800	0.3 d-	33.00~34.00	18.10~19.40	500	700	800
M24	3.0	353.0	23.67/23.48~24.00	35.38/35.00~36.00	14.785/14.65~15.215/15.35	210	74.1	238.8	500	0.6 d-	450	158.9	511.8	700	0.4 d-	600	211.8	682.4	800	0.3 d-	35.00~36.00	20.20~21.50	500	700	800
M27	3.0	459.0	N/26.48~27.00	N/40.00~41.00	N/16.65~N/17.35	210	96.4	349.4	500	0.6 d-	450	206.6	748.7	700	0.4 d-						40.00~41.00	22.50~23.80	500	700	
M30	3.5	561.0	N/29.48~30.00	N-45.00~46.00	N/18.28~N/19.12	210	117.8	474	500	0.6 d-	450	252.5	1,017	700	0.4 d-						45.00~46.00	24.30~25.60	500	700	
M33	3.5	694.0	N/32.38~33.00	N/49.00~50.00	N/20.58~N/21.42	210	145.7	646	500	0.6 d-	450	312.3	1,384	700	0.4 d-						49.00~50.00	27.40~28.70	500	700	
M36	4.0	817.0	N/35.38~36.00	N/53.80~55.00	N/22.08~22.92	210	171.6	829	500	0.6 d-	450	367.7	1,777	700	0.4 d-						53.80~55.00	29.40~31.00	500	700	
M39	4.0	976.0	N/38.38~39.00	N/58.80~60.00	N/24.58~N25.42	210	205.0	1,073	500	0.6 d-											58.80~60.00	31.80~33.40	500		
M42	4.5	1,120.0	N/41.38~42.00	N/63.10~65.00	N/25.58~N/26.42	210	235.2	1,326	500	0.6 d-											63.10~65.00	32.40~34.00	500		
M45	4.5	1,310.0	N/44.38~45.00	N/68.10~70.00	N/27.58~N/28.42	210	275.1	1,662	500	0.6 d-											68.10~70.00	34.40~36.00	500		
M48	5.0	1,470.0	N/47.38~48.00	N/73.10~75.00	N/29.58~N30.42	210	308.7	1,989	500	0.6 d-											73.10~75.00	36.40~38.00	500		
M52	5.0	1,760.0	N/51.26~52.00	N/78.10~80.00	N/32.50~N33.50	210	369.6	2,580	500	0.6 d-											78.10~80.00	40.40~42.00	500		
M56	5.5	2,030.0	N/55.26~56.00	N/82.80~85.00	N/34.50~N35.50	210	426.3	3,205	500	0.6 d-											82.80~85.00	43.40~45.00	500		
M60	5.5	2,360.0	N/59.26~60.00	N/87.80~90.00	N/37.50~N38.50	210	495.6	3,992	500	0.6 d-											87.80~90.00	46.40~48.00	500		
M64	6.0	2,680.0	N/63.26~64.00	N/92.80~95.00	N/39.50~N40.50	210	562.8	4,836	500	0.6 d-											92.80~95.00	49.10~51.00	500		
M68	6.0	3,060.0				210	642.6	5,866	500	0.6 d-													500		
M72	6.0	3,460.0				210	726.6	7,023	500	0.6 d-													500		
M76	6.0	3,890.0				210	816.9	8,335	500	0.6 d-													500		
M80	6.0	4,340.0				210	911.4	9,788	500	0.6 d-													500		
M85	6.0	4,950.0				210	1,040	11,862	500	0.6 d-													500		
M90	6.0	5,590.0				210	1,174	14,184	500	0.6 d-													500		
M95	6.0	6,270.0				210	1,317	16,793	500	0.6 d-													500		
M100	6.0	6,990.0				210	1,468	19,704	500	0.6 d-													500		
Dimensions			HEX as per ISO 4014/4017																		HEX as per ISO 4032				
Markings			'FPI' 'A4-50' / 'FPI' 'A4-70' / 'FPI' 'A4-80'																		'FPI' 'A4-50' / 'FPI' 'A4-70' / 'FPI' 'A4-80'				
Carbon			-0.08#																		-0.08#				
Manganese			-2.0																		-2.0				
Sulfur			-0.03																		-0.03				
Silicon			-1.0																		-1.0				
Chromium			16.0-18.5																		16.0-18.5				
Molybdenum			2.0-3.0																		2.0-3.0				
Nickle			10.0-15.0																		10.0-15.0				
Vanadium																									
Boron																									
Copper			-1																		-1				
Nitrogen			-0.22																		-0.22				
Phosphorus			-0.045																		-0.045				
Material			SS 316																		AISI 316				

Notes:
Left hand side of '-' is minium value
right hand side of '-' is maximam value
Eg. 0.5-0.7 min is 0.5 and max is 0.7
Eg. -0.8 max is 0.8 no minimam value
Eg. 2.0- min is 2.0 no maximam value

if carbon is < 0.03 SS316L
* Torque value based on 75% of proof load and finish as received steel

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.