PROPERTIES OF STRUCTURAL BOLT & NUT AS PER A320

			BOLT/STUD/SCREW ASTM A320 B8M-1						NUT ASTM A194 8M		
BOLT SIZE	**PITCH**	STRESS AREA **MM2**	PROOF STRESS **N/MM2**	PROOF LOAD **KN**	TENSILE STRESS **N/MM2**	TOUR-QUE* **N-m**	HARD-NESS **HRC**	ELONGA-TION# **%**	PROOF STRESS **N/MM2**	PROOF LOAD **KN**	HARD-NESS **HRC**
M6	1	20.1	205	4.1	515.0	3.3	-96	30.0	550	11.1	60-105
M8	1.25	36.6	205	7.5	515.0	8.1	-96	30.0	550	20.1	60-105
M10	1.5	58.8	205	12.1	515.0	16.2	-96	30.0	550	32.3	60-105
M12	1.75	84.3	205	17.3	515.0	27.8	-96	30.0	550	46.4	60-105
M14	2.0	115.0	205	23.6	515.0	44.3	-96	30.0	550	63.3	60-105
M16	2.0	157.0	205	32.2	515.0	69.1	-96	30.0	550	86.4	60-105
M18	2.5	192.0	205	39.4	515.0	95.1	-96	30.0	550	105.6	60-105
M20	2.5	245.0	205	50.2	515.0	134.9	-96	30.0	550	134.8	60-105
M22	2.5	303.0	205	62.1	515.0	183.5	-96	30.0	550	166.7	60-105
M24	3.0	353.0	205	72.4	515.0	233.2	-96	30.0	550	194.2	60-105
M27	3.0	459.0	205	94.1	515.0	341.1	-96	30.0	550	252.5	60-105
M30	3.5	561.0	205	115.0	515.0	463	-96	30.0	550	308.6	60-105
M33	3.5	694.0	205	142.3	515.0	630	-96	30.0	550	381.7	60-105
M36	4.0	817.0	205	167.5	515.0	809	-96	30.0	550	449.4	60-105
M39	4.0	976.0	205	200.1	515.0	1,048	-96	30.0	550	536.8	60-105
M42	4.5	1,120.0	205	229.6	515.0	1,295	-96	30.0	550	616.0	60-105
M45	4.5	1,310.0									
M48	5.0	1,470.0									
M52	5.0	1,760.0									
M56	5.5	2,030.0									
M60	5.5	2,360.0									
M64	6.0	2,680.0									
M68	6.0	3.060.0									
M72	6.0	3,460.0									

DIMENSIONS	HEAVY HEX	HEAVY HEX
MARKINGS	RS' 'B8M'	'RS' '8M'
CARBON	-0.08	-0.08
MANAGENESE	-2.0	-2.0
SULPHUR	-0.03	-0.03
SILICON	-1.0	-1.0
CHROMIUM	16.0-18.0	16.0-18.0
MOLYDENUM	2.0-3.0	2.0-3.0
NICKLE	10.0-14.0	10.0-14.0
VANADIUM		
BORON		
PHOSPHOROUS	-0.048	-0.048
MATERIAL	AISI 316	AISI 316

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

Carbide Solution Treated

* Torque value based on 75% of proof load and finish as recieved 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.