SS

STANDARD BOLT HOW TO DETERMINE BOLT STRENGTH

8800F-01

	Mark		Class		Mark	Class	
Hexagon head bolt	Bolt head No.	4- 5- 6- 7-	4T 5T 6T 7T	Hexagon flange bolt w/ washer hexagon bolt Hexagon flange bolt w/ washer hexagon bolt	4 Protruding lines	9T	
		8- 9- 10- 11-	8T 9T 10T 11T		5 Protruding lines	10T	
	No mar	rk	4 T	Hexagon flange bolt w/ washer hexagon bolt	6 Protruding lines	11 T	
Hexagon flange bolt w/ washer hexagon bolt	No mark Protruding lines		4 T	Stud bolt	No mark	4 T	
Hexagon head bolt			5T		Grooved		
Hexagon flange bolt w/ washer hexagon bolt	2 Protructines	ding	6T			6Т	
Hexagon head bolt	3 Protrud lines	ling	71	Welded bolt			
Hexagon head bolt	4 Protructines	ding	8T	·		4T	

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SPECIFIED TORQUE FOR STANDARD BOLTS

Class	Diameter mm	Pitch mm	Specified torque						
			Hexagon head bolt			Hexagon flange bolt			
			N-m	kgf-cm	ft-lbf	N-m	kgf.cm	ft·lk)f
4 T	6	1	5	55	48 in Ibf	6	60	52	inlbf
	8	1.25	12.5	130	9	14	145	10	
	10	1.25	26	260	19	29	290	21	
	12	1.25	47	480	35	53	540	39	
	14	1.5	74	760	55	84	850	61	
	16	1.5	115	1,150	83	_			
	6	1	6.5	65	56 inlbf	7.5	75	65	inlbf
	8	1.25	15.5	160	12	17.5	175	13	
5T	10	1.25	32	330	24	36	360	26	
٥.	12	1.25	59	600	43	65	670	48	
,	14	1.5	91	930	67	100	1,050	76	
	16	1.5	140	1,400	101	_			
-	6	1	8	80	69 inlbf	9	90	78	in.·lbf
	8	1.25	19	195	14	21	210	15	
6Т	10	1.25	39	400	29	44	440	32	
٠, ا	· 12	1.25	71	730	53	80	810	59	
	14	1.5	110	1,100	80	125	1,250	90	
	16	1.5	170	1,750	127		_		
	6	1	10.5	110	8	12	120	9	
1	. 8	1.25	25	260	19	28	290	21	
7T	10	1.25	52	530	38	58	590	43	
	12	1.25	95	970	70	105	1,050	76	
ı	14	1.5	145	1,500	108	165	1,700	123	
	16	1.5	230	2,300	166	_		_	
	8	1.25	29	300	22	33	330	24	
8T	10	1.25	61	620	45	68	690	50	
	12	1.25	110	1,100	80	120	1,250	90	
9Т	8	1.25	34	340	25	37	380	27	
	10	1.25	70	710	51	78	790	57	
	12	1.25	125	1,300	94	140	1,450	105	
10T	8	1.25	38	390	28	42	430	31	
	10	1.25	78	800	58	88	890	64	
	12	1.25	140	1,450	105	155	1,600	116	
11T	8	1.25	42	430	31	47	480	35	
	10	1.25	87	890	64	97	990	72	
	12	1.25	155	1,600	116	175	1,800	130	

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