

INDUSTRIALBOLTING



Stud Size	Nut Size	Diameter (mm)	Diameter (inches)	Property Class 8.8 N/mm2			Property Class 10.9 N/mm2			Property Class 12.9 N/mm2		
				Nickel Graphite K= 110	Machine Oil K=1.4	Dry K=1.4	Nickel Graphite K= 110	Machine Oil K=1.4	Dry K=1.4	Nickel Graphite K= 110	Machine Oil K=1.4	Dry K=1.4
M10	15-17	10	0.394	28	39	103	40	55	146	48	66	175
M12	19-21	12	0.472	50	68	180	69	95	252	83	114	302
M14	22-23	14	0.551	79	108	286	110	151	400	134	183	485
M16	24-26	16	0.630	120	164	435	170	233	617	203	278	737
M18	27	18	0.709	184	225	596	234	320	848	278	381	1010
M20	30	20	0.787	234	320	848	329	450	1193	396	542	1436
M22	32	22	0.866	318	435	1153	445	610	1617	534	732	1940
M24	36	24	0.945	411	563	1492	568	778	2062	679	930	2465
M27	41	27	1.063	596	817	2165	841	1152	3053	1013	1388	3678
M30	46	30	1.181	807	1106	2931	1141	1563	4142	1364	1869	4953
M33	50	33	1.299	1097	1503	3983	1542	2112	5597	1854	2540	6731
M36	55	36	1.417	1408	1929	5112	1982	2715	7195	2383	3264	8850
M39	60	39	1.535	1832	2509	6649	2573	3524	9339	3090	4233	11217
M42	65	42	1.654	2266	3104	8226	3184	4362	11559	3819	5232	13865
M46	70	46	1.811	2834	3882	10287	3981	5453	14450	4777	6544	17342
M48	75	48	1.890	3419	4683	12410	4810	6589	17461	5763	7894	20919
M52	80	52	2.047	4399	6026	15969	6179	8465	22432	7433	10182	26982
M56	85	56	2.205	5474	7498	19870	7712	10565	27997	9242	12660	33549
M60	90	60	2.362	6792	9304	24656	9575	13117	34760	11469	15711	41634
M64	95	64	2.520	8184	11211	29709	11525	15787	41836	13807	18914	50122
M68	100	68	2.677	10000	13699	36302	14063	19264	51050	16875	23117	61260
M72	105	72	2.835	11968	16395	43447	16830	23055	61096	20197	27667	73318
M72	110	72	2.835	14178	19422	51468	19937	27311	72374	23924	32773	86848
M80	115	80	3.150	16842	22797	60412	23402	32058	84954	28083	38470	101946
M90	130	90	3.543	24143	33072	87641	33950	46507	123244	40741	55809	147894
M100	145	100	3.937	33609	46040	122006	47263	64744	171572	56715	77692	205864

***Torque Guidelines Based Upon 70% Min Yield

NOTE: These are guidelines only. Refer to manufacturers specs or Engineering Department.