

Technical Data for Metric Fasteners

Table f Minimum Ultimate Tensile Loads for Coarse Thread Screws

Nom. Size	Stress Area (mm ²)	Property class								
		3.6	4.6	4.8	5.6	5.8	6.8	8.8	10.9	12.9
		Minimum Ultimate Tensile Load (N)								
M1.6	1.27	420	510	530	640	660	760	1,020	1,320	1,550
M2	2.07	680	830	870	1,040	1,080	1,240	1,660	2,150	2,530
M2.5	3.39	1,120	1,360	1,420	1,700	1,760	2,030	2,710	3,530	4,140
M3	5.03	1,660	2,010	2,110	2,510	2,620	3,020	4,020	5,230	6,140
M3.5	6.78	2,240	2,710	2,850	3,390	3,530	4,070	5,420	7,050	8,270
M4	8.78	2,900	3,510	3,690	4,390	4,570	5,270	7,020	9,130	10,700
M5	14.2	4,690	5,680	5,960	7,100	7,380	8,520	11,350	14,800	17,300
M6	20.1	6,630	8,040	8,440	10,000	10,400	12,100	16,100	20,900	24,500
M7	28.9	9,540	11,600	12,100	14,400	15,000	17,300	23,100	30,100	35,300
M8	36.6	12,100	14,600	15,400	18,300	19,000	22,000	29,200	38,100	44,600
M10	58.0	19,100	23,200	24,400	29,000	30,200	34,800	46,400	60,300	70,800
M12	84.3	27,800	33,700	35,400	42,200	43,800	50,600	67,400	87,700	103,000
M14	115	38,000	46,000	48,300	57,500	59,800	69,000	92,000	120,000	140,000
M16	157	51,800	62,800	65,900	78,500	81,600	94,000	125,000	163,000	192,000
M18	192	63,400	76,800	80,600	96,000	99,800	115,000	159,000	200,000	234,000
M20	245	80,800	98,000	103,000	122,000	127,000	147,000	203,000	255,000	299,000
M22	303	100,000	121,000	127,000	152,000	158,000	182,000	252,000	315,000	370,000
M24	353	116,000	141,000	148,000	176,000	184,000	212,000	293,000	367,000	431,000
M27	459	152,000	184,000	193,000	230,000	239,000	275,000	381,000	477,000	560,000
M30	561	185,000	224,000	236,000	280,000	292,000	337,000	466,000	583,000	684,000
M33	694	229,000	278,000	292,000	347,000	361,000	416,000	576,000	722,000	847,000
M36	817	270,000	327,000	343,000	408,000	425,000	490,000	678,000	850,000	997,000
M39	976	322,000	390,000	410,000	488,000	508,000	586,000	810,000	1,020,000	1,200,000