



Ultimate Tensile Load Comparison

Metric Coarse	Stress Area mm ²	UNC	Stress Area mm ²	Ultimate Tensile Load in kN *					
				PC 4.6	PC 4.8	SAE G.5	PC 8.8	SAE G8	PC 10.9
M3	5.03	5-40	5.14	2.01	2.11	4.25	4.02	5.32	5.23
M3.5	6.78	6-32	5.86	2.71	2.85	4.85	5.42	6.06	7.05
M4	8.78	8-32	9.04	3.51	3.69	7.48	7.02	9.35	9.13
M5	14.20	10-24	11.31	5.68	5.96	9.36	11.36	11.70	14.77
M6	20.10	1/4	20.50	8.04	8.44	16.97	16.08	21.21	20.90
M8	36.60	5/16	33.80	14.64	15.37	27.97	29.28	34.97	38.06
M10	58.00	3/8	50.00	23.20	24.36	41.38	46.40	51.72	60.32
		7/16	68.60			56.77		70.97	
M12	84.30	1/2	91.50	33.72	35.41	75.72	67.44	94.65	87.67
M14	115.00	9/16	117.00	46.00	48.30	96.83	92.00	121.03	119.60
M16	157.00	5/8	146.00	62.80	65.94	120.83	125.60	151.03	163.28
M18	192.00			76.80	80.64		159.36		199.68
M20	245.00	3/4	216.00	98.00	102.90	178.76	203.35	223.45	254.80
M22	303.00	7/8	298.00	121.20	127.26	246.62	251.49	308.28	315.12
M24	353.00	1	391.00	141.20	148.26	323.58	292.99	404.48	367.12
M27	459.00			183.60	192.78		380.97		477.36
		1.1/8	492.00			356.27		508.96	
M30	561.00			224.40	235.62		465.63		583.44
		1.1/4	625.00			452.58		646.55	
		1.3/8	745.00			539.48		770.69	
M36	817.00			326.80	343.12		678.11		849.68
		1.1/2	907.00			656.79		938.27	
M39	976.00			390.40	409.92		810.08		1015.04

Ultimate Tensile Load derived from Stress Area in mm²,
Multiplied by minimum Tensile Strength