

Yield Load Comparison

Metric Coarse	Stress Area sq mm	UNC	Stress Area sq mm	Yield 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	1.21	1.71	3.26	3.22	4.61	4.73
M3.5	6.78	6-32	5.86	1.63	2.31	3.72	4.34	5.25	6.37
M4	8.78	8-32	9.04	2.11	2.99	5.74	5.62	8.10	8.25
M5	14.20	10-24	11.31	3.41	4.83	7.17	9.09	10.14	13.35
M6	20.10	1/4	20.50	4.82	6.83	13.01	12.86	18.38	18.89
M8	36.60	5/16	33.80	8.78	12.44	21.45	23.42	30.30	34.40
M10	58.00	3/8	50.00	13.92	19.72	31.72	37.12	44.83	54.52
		7/16	68.60			43.53		61.50	
M12	84.30	1/2	91.50	20.23	28.66	58.05	53.95	82.03	79.24
M14	115.00	9/16	117.00	27.60	39.10	74.23	73.60	104.90	108.10
M16	157.00	5/8	146.00	37.68	53.38	92.63	100.48	130.90	147.58
M18	192.00			46.08	65.28		126.72		180.48
M20	245.00	3/4	216.00	58.80	83.30	137.05	161.70	193.65	230.30
M22	303.00	7/8	298.00	72.72	103.02	189.08	199.98	267.17	284.82
M24	353.00	1	391.00	84.72	120.02	248.08	232.98	350.55	331.82
M27	459.00			110.16	156.06		302.94		431.46
		1.1/8	492.00			274.84		441.10	
M30	561.00			134.64	190.74		370.26		527.34
		1.1/4	625.00			349.14		560.34	
		1.3/8	745.00			416.17		667.93	
M36	817.00			196.08	277.78		539.22		767.98
		1.1/2	907.00			506.67		813.17	
M39	976.00			234.24	331.84		644.16		917.44

Yield Load derived from Stress Area in Square mm,
Multiplied by min Yield Strength