



# Stainless Steel

Allthread Minimum Yield Stress

STAINLESS ALLTHREAD - MINIMUM YIELD STRESS						
0.2% (Mpa or N/mm <sup>2</sup> )						
Nominal Size	Pitch mm	Stress Area mm <sup>2</sup>	Class 50	Class 70	Class 80	Neptune Rod™
M3	0.50	5.03	210	450	600	600
M4	0.70	8.78	210	450	600	600
M5	0.80	14.20	210	450	600	600
M6	1.00	20.10	210	450	600	600
M8	1.25	36.60	210	450	600	600
M10	1.50	58.00	210	450	600	600
M12	1.75	84.30	210	450	600	600
M14	2.00	115.00	210	450	600	600
M16	2.00	157.00	210	450	600	600
M18	2.50	192.00	210	450	600	600
M20	2.50	245.00	210	450	600	600
M22	2.50	303.00	210	450	600	600
M24	3.00	353.00	210	450	600	600
M27	3.00	459.00	210	450	600	600
M30	3.50	561.00	210	450	600	600
M33	3.50	694.00	210	450	600	600
M36	4.00	817.00	210	450	600	600





# Stainless Steel

Allthread Minimum Tensile Stress

STAINLESS ALLTHREAD - MINIMUM TENSILE STRESS (Mpa or N/mm <sup>2</sup> )						
Nominal Size	Pitch mm	Stress Area mm <sup>2</sup>	Class 50	Class 70	Class 80	Neptune Rod™
M3	0.50	5.03	500	700	800	800
M4	0.70	8.78	500	700	800	800
M5	0.80	14.20	500	700	800	800
M6	1.00	20.10	500	700	800	800
M8	1.25	36.60	500	700	800	800
M10	1.50	58.00	500	700	800	800
M12	1.75	84.30	500	700	800	800
M14	2.00	115.00	500	700	800	800
M16	2.00	157.00	500	700	800	800
M18	2.50	192.00	500	700	800	800
M20	2.50	245.00	500	700	800	800
M22	2.50	303.00	500	700	800	800
M24	3.00	353.00	500	700	800	800
M27	3.00	459.00	500	700	800	800
M30	3.50	561.00	500	700	800	800
M33	3.50	694.00	500	700	800	800
M36	4.00	817.00	500	700	800	800





# Stainless Steel

Allthread Minimum Yield Load

STAINLESS ALLTHREAD - MINIMUM YIELD LOAD (KN)						
Nominal Size	Pitch mm	Stress Area mm <sup>2</sup>	Class 50	Class 70	Class 80	Neptune Rod™
M3	0.50	5.03	1.06	2.26	3.02	3.02
M4	0.70	8.78	1.84	3.95	5.27	5.27
M5	0.80	14.20	2.98	6.39	8.52	8.52
M6	1.00	20.10	4.22	9.05	12.06	12.06
M8	1.25	36.60	7.69	16.47	21.96	21.96
M10	1.50	58.00	12.20	26.10	34.80	34.80
M12	1.75	84.30	17.70	37.90	50.60	50.60
M14	2.00	115.00	24.20	51.80	69.00	69.00
M16	2.00	157.00	33.00	70.70	94.20	94.20
M18	2.50	192.00	40.30	86.40	115.20	115.20
M20	2.50	245.00	51.50	110.30	147.00	147.00
M22	2.50	303.00	63.60	136.40	181.80	181.80
M24	3.00	353.00	74.10	158.90	211.80	211.80
M27	3.00	459.00	96.40	206.60	275.40	275.40
M30	3.50	561.00	117.80	252.50	336.60	336.60
M33	3.50	694.00	145.70	312.30	416.40	416.40
M36	4.00	817.00	171.60	367.70	490.20	490.20





# Stainless Steel

## Allthread Breaking Load

STAINLESS ALLTHREAD - BREAKING LOAD (KN)						
Nominal Size	Pitch mm	Stress Area mm <sup>2</sup>	Class 50	Class 70	Class 80	Neptune Rod™
M3	0.50	5.03	2.52	3.52	4.02	4.02
M4	0.70	8.78	4.39	6.15	7.02	7.02
M5	0.80	14.20	7.10	9.94	11.36	11.36
M6	1.00	20.10	10.05	14.07	16.08	16.08
M8	1.25	36.60	18.30	25.62	29.28	29.28
M10	1.50	58.00	29.00	40.60	46.40	46.40
M12	1.75	84.30	42.20	59.00	67.40	67.40
M14	2.00	115.00	57.50	80.50	92.00	92.00
M16	2.00	157.00	78.50	109.90	125.60	125.60
M18	2.50	192.00	96.00	134.40	153.60	153.60
M20	2.50	245.00	122.50	171.50	196.00	196.00
M22	2.50	303.00	151.50	212.10	242.40	242.40
M24	3.00	353.00	176.50	247.10	282.40	282.40
M27	3.00	459.00	229.50	321.30	367.20	367.20
M30	3.50	561.00	280.50	392.70	448.80	448.80
M33	3.50	694.00	347.00	485.80	555.20	555.20
M36	4.00	817.00	408.50	571.90	653.60	653.60

