

Minimum tensile failure loads of metric threads

		STEEL GRADE						STAINLESS STEELS		
Thread diameter mm	Nominal cross section mm ²	4.6	5.6	5.8	8.8	10.9	12.9	A4 50	A4 70	A4 80
		Minimum failure load in kN						Min. failure kN		
8	36.6	14.6	18.3	19.0	29.2	38.1	44.6	18.3	25.6	29.2
10	58.0	23.2	29.0	30.2	46.4	60.3	70.8	29.0	40.6	46.4
12	84.3	33.7	42.2	43.8	67.4	87.7	103.0	42.2	59.0	67.4
16	157.0	62.8	78.5	81.6	125.0	163.0	192.0	78.5	109.9	125.0
20	245.0	98.0	122.0	127.0	203.0	255.0	299.0	122.0	171.5	203.0
22	303.0	121.0	152.0	158.0	252.0	315.0	370.0	152.0	212.1	252.0
24	353.0	141.0	176.0	184.0	293.0	367.0	431.0	176.0	247.1	293.0
27	459.0	184.0	230.0	239.0	381.0	477.0	560.0	230.0	321.0	381.0
30	561.0	224.0	280.0	292.0	466.0	583.0	684.0	280.0	392.7	466.0
33	694.0	278.0	347.0	361.0	576.0	722.0	847.0	347.0	485.8	576.0
36	817.0	327.0	408.0	425.0	678.0	855.0	997.0	408.0	571.9	678.0
39	976.0	390.0	488.0	508.0	810.0	1020.0	1200.0	488.0	683.2	810.0