

## おねじの最小引張荷重 (メートル並目ねじ)

単位:kN(kgf)

ねじの呼び (mm)	ピッチ (mm)	有効 断面積 (mm <sup>2</sup> )	強 度 区 分												
			3.6	4.6	4.8	5.6	5.8	6.8	8.8	10.9	12.9	4T	5T	6T	7T
1.6	0.35	1.27	0.42 ( 42.8)	0.51 ( 52)	0.53 ( 54)	0.64 ( 65.3)	0.66 ( 67.3)	0.76 ( 77.5)	1.02 ( 104)	1.32 ( 135)	1.55 ( 158)	0.5 ( 51)	0.623 ( 63.5)	0.745 ( 76)	0.872 ( 89)
2	0.4	2.07	0.68 ( 69.3)	0.83 ( 84.6)	0.87 ( 88.7)	1.04 ( 106)	1.08 ( 110)	1.24 ( 126)	1.66 ( 169)	2.15 ( 219)	2.53 ( 258)	0.814 ( 83)	1.010 ( 103)	1.177 ( 120)	1.422 ( 145)
2.5	0.45	3.39	1.12 ( 114)	1.36 ( 139)	1.42 ( 145)	1.70 ( 173)	1.76 ( 179)	2.03 ( 207)	2.71 ( 276)	3.53 ( 360)	4.14 ( 422)	1.324 ( 135)	1.667 ( 170)	1.961 ( 200)	2.354 ( 240)
3	0.5	5.03	1.66 ( 169)	2.01 ( 205)	2.11 ( 215)	2.51 ( 256)	2.62 ( 267)	3.02 ( 308)	4.02 ( 410)	5.23 ( 533)	6.14 ( 626)	1.961 ( 200)	2.452 ( 250)	2.942 ( 300)	3.432 ( 350)
4	0.7	8.78	2.9 ( 296)	3.51 ( 358)	3.69 ( 376)	4.39 ( 448)	4.57 ( 466)	5.27 ( 537)	7.02 ( 716)	9.13 ( 931)	10.70 (1,090)	3.432 ( 350)	4.315 ( 440)	5.148 ( 525)	5.982 ( 610)
5	0.8	14.2	4.69 ( 478)	5.68 ( 579)	5.96 ( 608)	7.10 ( 724)	7.38 ( 753)	8.52 ( 869)	11.35 (1,160)	14.80 (1,510)	17.30 (1,760)	5.590 ( 570)	6.963 ( 710)	8.336 ( 850)	9.709 ( 990)
6	1.0	20.1	6.63 ( 676)	8.04 ( 820)	8.44 ( 861)	10.00 (1,020)	10.40 (1,060)	12.10 (1,230)	16.10 (1,640)	20.90 (2,130)	24.50 (2,500)	7.845 ( 800)	9.807 (1,000)	11.77 (1,200)	13.83 (1,410)
8	1.25	36.6	12.10 (1,230)	14.60 (1,490)	15.40 (1,570)	18.30 (1,870)	19.00 (1,940)	22.00 (2,240)	29.20 (2,980)	38.10 (3,890)	44.60 (4,550)	14.22 (1,450)	17.95 (1,830)	21.57 (2,200)	25.11 (2,560)
10	1.5	58.0	19.10 (1,950)	23.20 (2,370)	24.40 (2,490)	29.00 (2,960)	30.20 (3,080)	34.80 (3,550)	46.40 (4,730)	60.30 (6,150)	70.80 (7,220)	22.56 (2,300)	28.44 (2,900)	34.32 (3,500)	39.81 (4,060)
12	1.75	84.3	27.80 (2,830)	33.70 (3,440)	35.40 (3,610)	42.20 (4,300)	43.80 (4,470)	50.60 (5,160)	67.40 (6,870)	87.70 (8,940)	103.0 (10,500)	32.85 (3,350)	41.29 (4,210)	49.52 (5,050)	57.86 (5,900)
14	2.0	115	38.00 (3,870)	46.00 (4,690)	48.30 (4,930)	57.50 (5,860)	59.80 (6,100)	69.0 (7,040)	92.0 (9,380)	120.0 (12,200)	140.0 (14,300)	45.11 (4,600)	56.39 (5,750)	67.67 (6,900)	79.24 (8,080)
16	2.0	157	51.80 (5,280)	62.80 (6,400)	65.90 (6,720)	78.50 (8,000)	81.6 (8,320)	94.0 (9,590)	125.0 (12,700)	163.0 (16,600)	192.0 (19,600)	61.78 (6,300)	76.98 (7,850)	92.18 (9,400)	107.9 (11,000)
18	2.5	192	63.40 (6,470)	76.80 (7,830)	80.60 (8,220)	96.00 (9,790)	99.80 (10,200)	115.0 (11,700)	159.0 (16,200)	200.0 (20,400)	234.0 (23,900)	75.51 (7,700)	94.14 (9,600)	112.8 (11,500)	132.4 (13,500)
20	2.5	245	80.80 (8,240)	98.0 (9,990)	103.0 (10,500)	122.0 (12,400)	127.0 (13,000)	147.0 (15,000)	203.0 (20,700)	255.0 (26,000)	299.0 (30,500)	96.11 (9,800)	119.6 (12,200)	144.2 (14,700)	167.7 (17,100)
22	2.5	303	100.0 (10,200)	121.0 (12,300)	127.0 (13,000)	152.0 (15,500)	158.0 (16,100)	182.0 (18,600)	252.0 (25,700)	315.0 (32,100)	370.0 (37,700)	118.7 (12,100)	148.1 (15,100)	178.5 (18,200)	207.9 (21,200)
24	3.0	353	116.0 (11,800)	141.0 (14,400)	148.0 (15,100)	176.0 (17,900)	184.0 (18,800)	212.0 (21,600)	293.0 (29,900)	367.0 (37,400)	431.0 (43,900)	138.3 (14,100)	172.6 (17,600)	207.9 (21,200)	242.2 (24,700)
27	3.0	459	152.0 (15,500)	184.0 (18,800)	193.0 (19,700)	230.0 (23,500)	239.0 (24,400)	275.0 (28,000)	381.0 (38,900)	477.0 (48,600)	560.0 (57,100)	180.4 (18,400)	225.6 (23,000)	270.7 (27,600)	315.8 (32,200)
30	3.5	561	185.0 (18,900)	224.0 (22,800)	236.0 (24,100)	280.0 (28,600)	292.0 (29,800)	337.0 (34,400)	466.0 (47,500)	583.0 (59,400)	684.0 (69,700)	219.7 (22,400)	274.6 (28,000)	329.5 (33,600)	384.4 (39,200)
33	3.5	694	229.0 (23,300)	278.0 (28,300)	292.0 (29,800)	347.0 (35,400)	361.0 (36,800)	416.0 (42,400)	576.0 (58,700)	722.0 (73,600)	847.0 (86,400)	272.6 (27,800)	340.3 (34,700)	408.0 (41,600)	476.6 (48,600)
36	4.0	817	270.0 (27,500)	327.0 (33,300)	343.0 (35,000)	408.0 (41,600)	425.0 (43,300)	490.0 (50,000)	678.0 (69,100)	850.0 (86,700)	997.0 (102,000)	320.7 (32,700)	400.1 (40,800)	480.5 (49,000)	560.9 (57,200)
39	4.0	976	322.0 (32,800)	390.0 (39,800)	410.0 (41,800)	488.0 (49,800)	508.0 (51,800)	586.0 (59,800)	810.0 (82,600)	1,020.0 (104,000)	1,200.0 (122,000)	382.5 (39,000)	478.6 (48,800)	573.7 (58,500)	669.8 (68,300)