

Thread Size		M8	M10	(M10)	(M12)	M12	(M14)	M16	(M18)	(M20)	M20	(M22)	M24	
d		×1	×1	×1.25	×1.25	×1.5	×1.5	×1.5	×1.5	×2	×1.5	×1.5	×2	
P	Pitch	1	1	1.25	1.25	1.5	1.5	1.5	1.5	2	1.5	1.5	2	
b	L≤125	22	26	26	30	30	34	38	42	46	46	50	54	
	125<L≤200	28	32	32	36	36	40	44	48	52	52	56	60	
	L>200	41	45	45	49	49	57	57	61	65	65	69	73	
c	max	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	
	min	0.15	0.15	0.15	0.15	0.15	0.15	0.2	0.2	0.2	0.2	0.2	0.2	
da	max	9.2	11.2	11.2	13.7	13.7	15.7	17.7	20.2	22.4	22.4	24.4	26.4	
ds	max=nominal size		8	10	10	12	12	14	16	18	20	20	22	24
	Grade A	min	7.78	9.78	9.78	11.73	11.73	13.73	15.73	17.73	19.67	19.67	21.67	23.67
	Grade B	min	7.64	9.64	9.64	11.57	11.57	13.54	15.57	17.57	19.48	19.48	21.48	23.48
dw	Grade A	min	11.63	14.63	14.63	16.63	16.63	19.64	22.49	25.34	28.19	28.19	31.71	33.61
	Grade B	min	11.47	14.47	14.47	16.47	16.47	19.15	22	24.85	27.7	27.7	31.35	33.25
e	Grade A	min	14.38	17.77	17.77	20.03	20.03	23.36	26.75	30.14	33.53	33.53	37.72	39.98
	Grade B	min	14.2	17.59	17.59	19.85	19.85	22.78	26.17	29.56	32.95	32.95	37.29	39.55
L1	max	2	2	2	3	3	3	3	3	4	4	4	4	
k	Nominal Size		5.3	6.4	6.4	7.5	7.5	8.8	10	11.5	12.5	12.5	14	15
	Grade A	max	5.45	6.58	6.58	7.68	7.68	8.98	10.18	11.715	12.715	12.715	14.215	15.215
		min	5.15	6.22	6.22	7.32	7.32	8.62	9.82	11.285	12.285	12.285	13.785	14.785
	Grade B	max	5.54	6.69	6.69	7.79	7.79	9.09	10.29	11.85	12.85	12.85	14.35	15.35
min		5.06	6.11	6.11	7.21	7.21	8.51	9.71	11.15	12.15	12.15	13.65	14.65	
kt	Grade A	min	3.61	4.35	4.35	5.12	5.12	6.03	6.87	7.9	8.6	8.6	9.65	10.35
		min	3.54	4.28	4.28	5.05	5.05	5.96	6.8	7.81	8.51	8.51	9.56	10.26
r	min	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	
s	max=nominal size		13	16	16	18	18	21	24	27	30	30	34	36
	Grade A	min	12.73	15.73	15.73	17.73	17.73	20.67	23.67	26.67	29.67	29.67	33.38	35.38
	Grade B	min	12.57	15.57	15.57	17.57	17.57	20.16	23.16	26.16	29.16	29.16	33	35

Thread Size		(M27)	M30	(M33)	M36	(M39)	M42	(M45)	M48	(M52)	M56	(M60)	M64	
d		×2	×2	×2	×3	×3	×3	×3	×3	×4	×4	×4	×4	
P	Pitch	2	2	2	3	3	3	3	3	4	4	4	4	
b	L≤125	60	66	-	-	-	-	-	-	-	-	-	-	
	125<L≤200	66	72	78	84	90	96	102	108	116	-	-	-	
	L>200	79	85	91	97	103	109	115	121	129	137	145	153	
c	max	0.8	0.8	0.8	0.8	1	1	1	1	1	1	1	1	
	min	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
da	max	30.4	33.4	36.4	39.4	42.4	45.6	48.6	52.6	56.6	63	67	71	
ds	max=nominal size		27	30	33	36	39	42	45	48	52	56	60	64
	Grade A	min	-	-	-	-	-	-	-	-	-	-	-	
	Grade B	min	26.48	29.48	32.38	35.38	38.38	41.38	44.38	47.38	51.26	55.26	59.26	63.26
dw	Grade A	min	-	-	-	-	-	-	-	-	-	-	-	
	Grade B	min	38	42.75	46.55	51.11	55.86	59.95	64.7	69.45	74.2	78.66	83.41	88.16
e	Grade A	min	-	-	-	-	-	-	-	-	-	-	-	
	Grade B	min	45.2	50.85	55.37	60.79	66.44	71.3	76.95	82.6	88.25	93.56	99.21	104.86
L1	max	6	6	6	6	6	8	8	10	10	12	12	13	
k	Nominal Size		17	18.7	21	22.5	25	26	28	30	33	35	38	40
	Grade A	max	-	-	-	-	-	-	-	-	-	-	-	-
		min	-	-	-	-	-	-	-	-	-	-	-	-
	Grade B	max	17.35	19.12	21.42	22.92	25.42	26.42	28.42	30.42	33.5	35.5	38.5	40.5
min		16.65	18.28	20.58	22.08	24.58	25.58	27.58	29.58	32.5	34.5	37.5	39.5	
k1	Grade A	min	-	-	-	-	-	-	-	-	-	-	-	
		min	11.66	12.8	14.41	15.46	17.21	17.91	19.31	20.71	22.75	24.15	26.25	27.65
r	min	1	1	1	1	1	1.2	1.2	1.6	1.6	2	2	2	
s	max=nominal size		41	46	50	55	60	65	70	75	80	85	90	95
	Grade A	min	-	-	-	-	-	-	-	-	-	-	-	
	Grade B	min	40	45	49	53.8	58.8	63.1	68.1	73.1	78.1	82.8	87.8	92.8