

Thread Size		M8	M10	(M10)	M12	(M12)	(M14)	M16	(M18)	(M18)	M20	(M20)	(M22)	(M22)	
d		x1	x1.25	x1	x1.5	x1.25	x1.5	x1.5	x2	x1.5	x2	x1.5	x2	x1.5	
P	Pitch	1	1.25	1	1.5	1.25	1.5	1.5	2	1.5	2	1.5	2	1.5	
b	L≤125	22	26	26	30	30	34	38	42	42	46	46	50	50	
	125<L≤200	28	32	32	36	36	40	44	48	48	52	52	56	56	
	L>200	41	45	45	49	49	53	/	/	/	/	/	69	69	
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	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	0.2	
da	max	9.2	11.2	11.2	13.7	13.7	15.7	17.7	20.2	20.2	22.4	22.4	24.4	24.4	
ds	max=nominal size		8	10	10	12	12	14	16	18	18	20	20	22	22
	Grade A	min	7.78	9.78	9.78	11.73	11.73	13.73	15.73	17.73	17.73	19.67	19.67	21.67	21.67
	Grade B	min	7.64	9.64	9.64	11.57	11.57	13.57	15.57	17.57	17.57	19.48	19.48	21.48	21.48
dw	Grade A	min	11.63	14.63	14.63	16.63	16.63	19.64	22.49	25.34	25.34	28.19	28.19	31.71	31.71
	Grade B	min	11.47	14.47	14.47	16.47	16.47	19.15	22	24.85	24.85	27.7	27.7	31.35	31.35
e	Grade A	min	14.38	17.77	17.77	20.03	20.03	23.36	26.75	30.14	30.14	33.53	33.53	37.72	37.72
	Grade B	min	14.2	17.59	17.59	19.85	19.85	22.78	26.17	29.56	29.56	32.95	32.95	37.29	37.29
k	Nominal Size		5.3	6.4	6.4	7.5	7.5	8.8	10	11.5	11.5	12.5	12.5	14	14
	Grade A	max	5.45	6.58	6.58	7.68	7.68	8.98	10.18	11.715	11.715	12.715	12.715	14.215	14.215
		min	5.15	6.22	6.22	7.32	7.32	8.62	9.82	11.285	11.285	12.285	12.285	13.785	13.785
	Grade B	max	5.54	6.69	6.69	7.79	7.79	9.09	10.29	11.85	11.85	12.85	12.85	14.35	14.35
min		5.06	6.11	6.11	7.21	7.21	8.51	9.71	11.15	11.15	12.15	12.15	13.65	13.65	
k1	Grade A	min	3.61	4.35	4.35	5.12	5.12	6.03	6.87	7.9	7.9	8.6	8.6	9.65	9.65
	Grade B	min	3.54	4.28	4.28	5.05	5.05	5.96	6.8	7.81	7.81	8.51	8.51	9.56	9.56
L1	max	2	2	2	3	3	3	3	3	3	4	4	4	4	
r	min	0.4	0.4	0.4	0.6	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	27	30	30	34	34
	Grade A	min	12.73	15.73	15.73	17.73	17.73	20.67	23.67	26.67	26.67	29.67	29.67	33.38	33.38
	Grade B	min	12.57	15.57	15.57	17.57	17.57	20.16	23.16	26.16	26.16	29.16	29.16	33	33

Thread Size		M24	M27	M30	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64	
d		x2	x2	x2	x2	x3	x3	x3	x3	x3	x4	x4	x4	x4	
P	Pitch	2	2	2	2	3	3	3	3	3	4	4	4	4	
b	L≤125	54	60	66	72	/	/	/	/	/	/	/	/	/	
	125<L≤200	60	66	72	78	84	90	96	102	108	116	/	/	/	
	L>200	73	79	85	91	97	103	109	115	121	129	137	145	153	
c	max	0.8	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	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
da	max	26.4	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		24	27	30	33	36	39	42	45	48	52	56	60	64
	Grade A	min	23.67	/	/	/	/	/	/	/	/	/	/	/	/
	Grade B	min	23.48	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	33.61	/	/	/	/	/	/	/	/	/	/	/	/
	Grade B	min	33.25	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	39.98	/	/	/	/	/	/	/	/	/	/	/	/
	Grade B	min	39.55	45.2	50.85	55.37	60.79	66.44	71.3	76.95	82.6	88.25	93.56	99.21	104.86
k	Nominal Size		15	17	18.7	21	22.5	25	26	28	30	33	35	38	40
	Grade A	max	15.215	/	/	/	/	/	/	/	/	/	/	/	/
		min	14.785	/	/	/	/	/	/	/	/	/	/	/	/
	Grade B	max	15.35	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		14.65	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	10.35	/	/	/	/	/	/	/	/	/	/	/	/
	Grade B	min	10.26	11.66	12.8	14.41	15.46	17.21	17.91	19.31	20.71	22.75	24.15	26.25	27.65
L1	max	4	6	6	6	6	6	8	8	10	10	12	12	13	
r	min	0.8	1	1	1	1	1	1.2	1.2	1.6	1.6	2	2	2	
s	max=nominal size		36	41	46	50	55	60	65	70	75	80	85	90	95
	Grade A	min	35.38	/	/	/	/	/	/	/	/	/	/	/	/
	Grade B	min	35	40	45	49	53.8	58.8	63.1	68.1	73.1	78.1	82.8	87.8	92.8