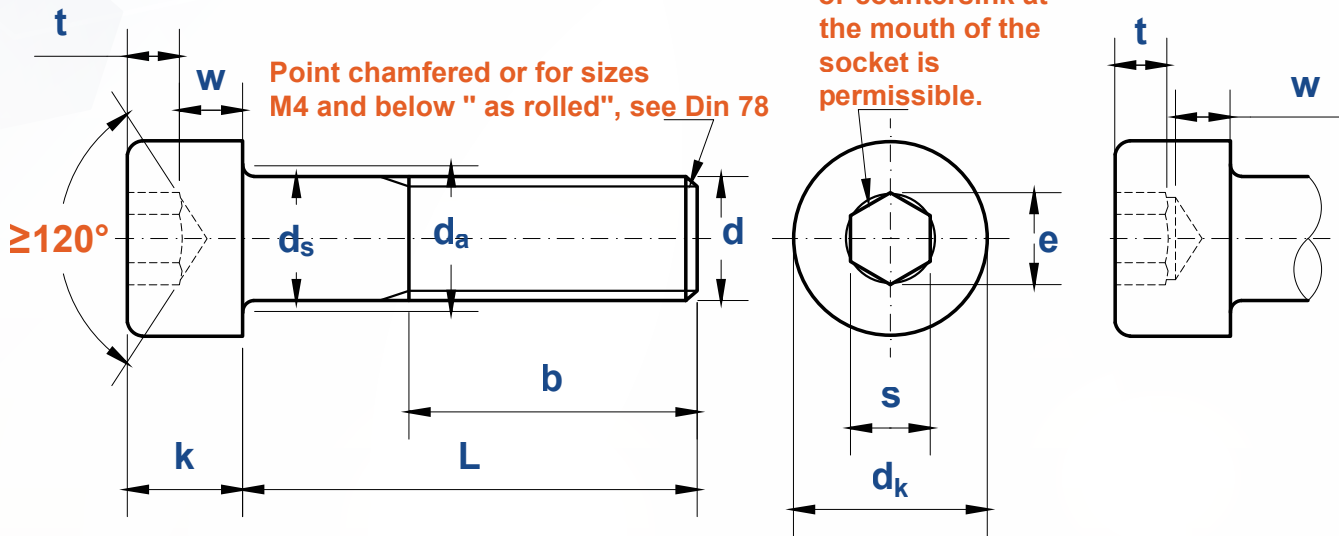


Permissible alternative from of socket:

A slight rounding or countersink at the mouth of the socket is permissible.



Thread Size d			M1.4	M1.6	M2	M2.5	M3	M4	M5	M6	M8	M10	M12	(M14)	M16	(M18)	M20
P	Pitch	Coarse thread	0.3	0.35	0.4	0.45	0.5	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5	2.5
		Fine thread pitch-1	-	-	-	-	-	-	-	-	1	1.25	1.25	1.5	1.5	1.5	1.5
		Fine thread pitch-2	-	-	-	-	-	-	-	-	-	1	1.5	-	-	2	2
d _k	plain head	max	2.6	3	3.8	4.5	5.5	7	8.5	10	13	16	18	21	24	27	30
	knurled heads	max	2.74	3.14	3.98	4.68	5.68	7.22	8.72	10.22	13.27	16.27	18.27	21.33	24.33	27.33	30.33
		min	2.46	2.86	3.62	4.32	5.32	6.78	8.28	9.78	12.73	15.73	17.73	20.67	23.67	26.67	29.67
d _a	max		1.8	2	2.6	3.1	3.6	4.7	5.7	6.8	9.2	11.2	13.7	15.7	17.7	20.2	22.4
d _s	max		1.4	1.6	2	2.5	3	4	5	6	8	10	12	14	16	18	20
	min		1.26	1.46	1.86	2.36	2.86	3.82	4.82	5.82	7.78	9.78	11.73	13.73	15.73	17.73	19.67
e	min		1.5	1.73	1.73	2.3	2.87	3.44	4.58	5.72	6.86	9.15	11.43	13.72	16	16	19.44
k	max		1.4	1.6	2	2.5	3	4	5	6	8	10	12	14	16	18	20
	min		1.26	1.46	1.86	2.36	2.86	3.82	4.82	5.7	7.64	9.64	11.57	13.57	15.57	17.57	19.48
s	Nominal Size		1.3	1.5	1.5	2	2.5	3	4	5	6	8	10	12	14	14	17
	min		1.32	1.52	1.52	2.02	2.52	3.02	4.02	5.02	6.02	8.025	10.025	12.032	14.032	14.032	17.05
	max		1.36	1.56	1.56	2.06	2.58	3.08	4.095	5.14	6.14	8.175	10.175	12.212	14.212	14.212	17.23
t	min		0.6	0.7	1	1.1	1.3	2	2.5	3	4	5	6	7	8	9	10
w	min		0.5	0.55	0.55	0.85	1.15	1.4	1.9	2.3	3	4	4.8	5.8	6.8	7.8	8.6

①. For size ≤ M4, the point need not be chamfered.

②. e min = 1.14 * S min

④. Nominal lengths above 300 mm shall be in 20 mm steps.

⑤. L-b ≥ 3P (P: Coarse thread pitch)

⑥. Material:

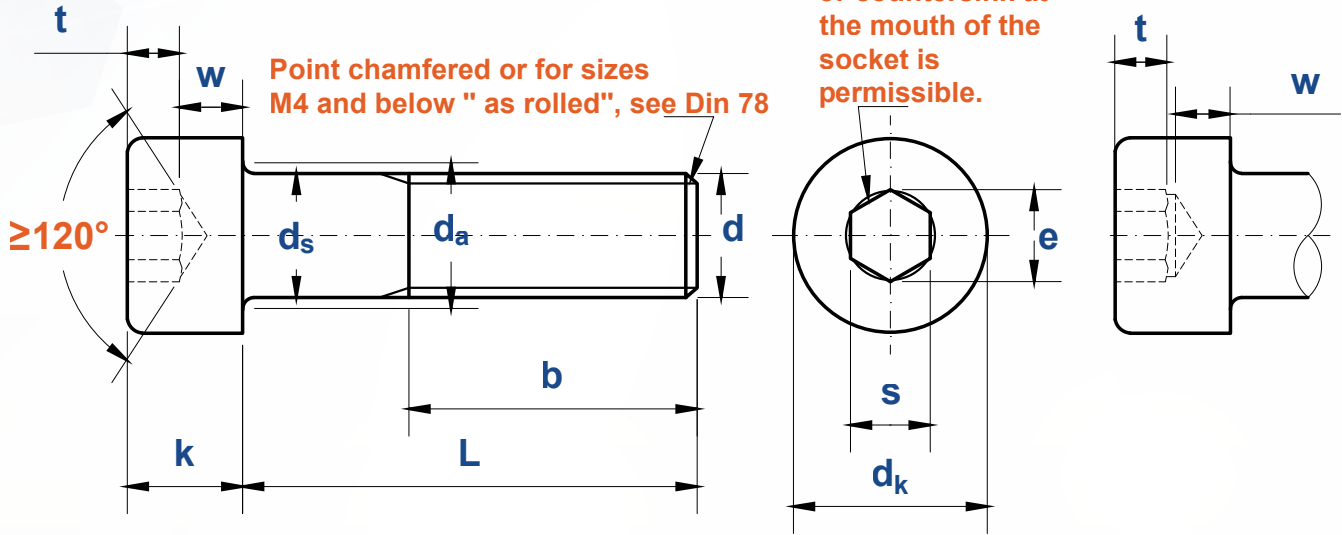
a) Steel, Property class: ≤M39: 8.8, 10.9, 12.9 ; > M39: as agreed. Standard DIN ISO 898-1

b) Stainless steel, Property class: ≤M20: A2-70, A4-70 ; > M20≤M39: A2-50, A4-50 ; ≤M39: C3 ; > M39: as agreed. Standard ISO 3506, DIN 267-11

c) Non-ferrous metal by standard DIN 267-18

Permissible alternative from of socket:

A slight rounding
or countersink at
the mouth of the
socket is
permissible.



Thread Size d			(M22)	M24	(M27)	M30	(M33)	M36	M42	M48	M56	M64	M72	M80	M90	M100
P	Pitch	Coarse thread	2.5	3	3	3.5	3.5	4	4.5	5	5.5	6	6	6	6	6
		Fine thread pitch-1	1.5	2	2	2	2	3	3	3	4	4	4	4	4	4
		Fine thread pitch-2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
d _k	plain head	max	33	36	40	45	50	54	63	72	84	96	108	120	135	150
	knurled heads	max	33.39	36.39	40.39	45.39	50.39	54.46	63.46	72.46	84.54	96.54	108.54	120.54	135.63	150.63
		min	32.61	35.61	39.61	44.61	49.61	53.54	62.54	71.54	83.46	95.46	107.46	119.46	134.37	149.37
d _a	max		24.4	26.4	30.4	33.4	36.4	39.4	45.5	52.6	63	71	79	87	97	107
d _s	max		22	24	27	30	33	36	42	48	56	64	72	80	90	100
	min		21.67	23.67	26.67	29.67	32.61	35.61	41.61	47.61	55.54	63.54	71.54	79.54	89.46	99.46
e	min		19.44	21.73	21.73	25.15	27.43	30.85	36.57	41.13	46.83	52.53	62.81	74.21	85.61	97.04
k	max		22	24	27	30	33	36	42	48	56	64	72	80	90	100
	min		21.48	23.48	26.48	29.48	32.38	35.38	41.38	47.38	55.26	63.26	71.26	79.26	89.13	99.13
s	Nominal Size		17	19	19	22	24	27	32	36	41	46	55	65	75	85
	min		17.05	19.065	19.065	22.065	24.065	27.065	32.08	36.08	41.08	46.08	55.1	65.1	75.1	85.12
	max		17.23	19.275	19.275	22.275	24.275	27.275	32.33	36.33	41.33	46.33	55.4	65.4	75.4	85.47
t	min		11	12	13.5	15.5	18	19	24	28	34	38	43	48	54	60
w	min		9.4	10.4	11.9	13.1	13.5	15.3	16.3	17.5	19	22	25	27	32	34

①. For size ≤ M4, the point need not be chamfered.

②. e min = 1.14 * S min

④. Nominal lengths above 300 mm shall be in 20 mm steps.

⑤. L-b ≥ 3P (P: Coarse thread pitch)

⑥. Material:

a) Steel, Property class: ≤M39: 8.8, 10.9, 12.9 ; > M39: as agreed. Standard DIN ISO 898-1

b) Stainless steel, Property class: ≤M20: A2-70, A4-70 ; > M20≤M39: A2-50, A4-50 ; ≤M39: C3 ; > M39: as agreed. Standard ISO 3506, DIN 267-11

c) Non-ferrous metal by standard DIN 267-18