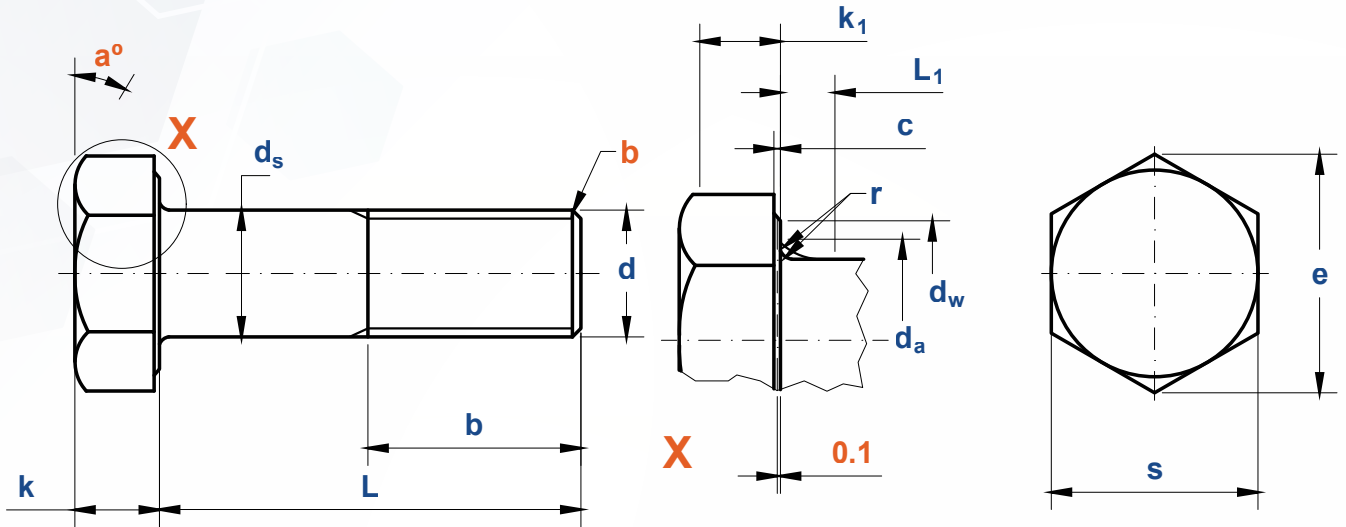
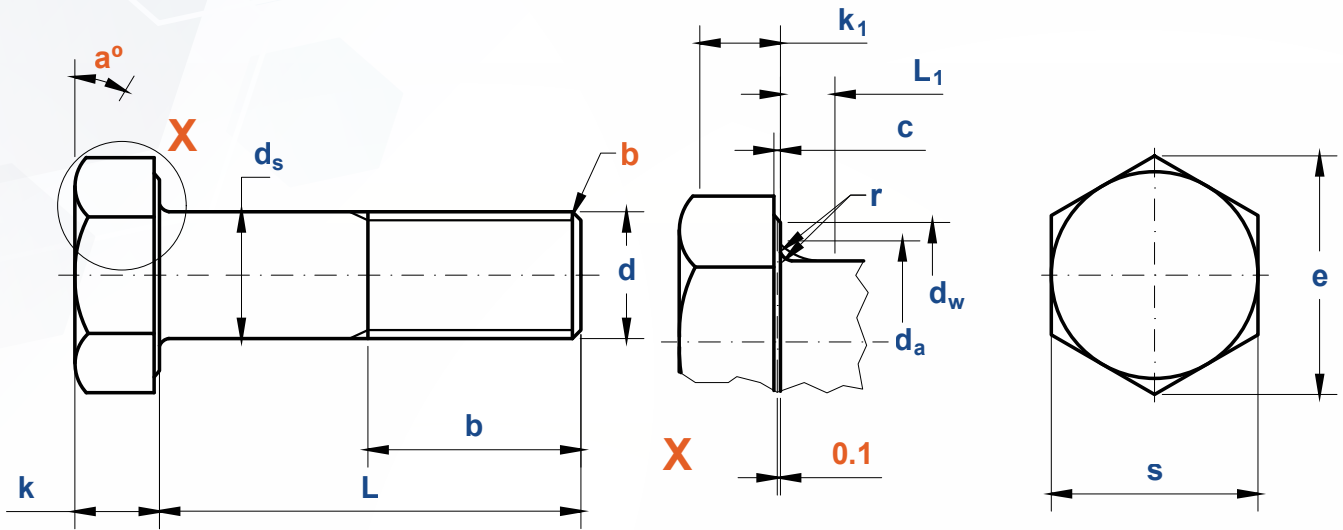




- a. $a^\circ = 15^\circ \sim 30^\circ$
b. Chamfered end

Screw Thread d			M8	M10	M12	(M14)	M16	(M18)	M20	(M22)	M24	(M27)	M30
P	Pitch	Fine thread, 1	1	1	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2
		Fine thread, 2	/	-1.25	-1.25	/	/	/	-2	/	/	/	/
b	L≤125		22	26	30	34	38	42	46	50	54	60	66
	125<L≤200		28	32	36	40	44	48	52	56	60	66	72
	L>200		41	45	49	57	57	61	65	69	73	79	85
c	max		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	0.2	0.2	0.2	0.2	0.2	0.2	0.2
d _a	max		9.2	11.2	13.7	15.7	17.7	20.2	22.4	24.4	26.4	30.4	33.4
d _s	max=nominal size		8	10	12	14	16	18	20	22	24	27	30
	Grade A	min	7.78	9.78	11.73	13.73	15.73	17.73	19.67	21.67	23.67	/	/
	Grade B	min	7.64	9.64	11.57	13.54	15.57	17.57	19.48	21.48	23.48	26.48	29.48
d _w	Grade A	min	11.63	14.63	16.63	19.37	22.49	25.34	28.19	31.71	33.61	/	/
	Grade B	min	11.47	14.47	16.47	19.15	22	24.85	27.7	31.35	33.25	38	42.75
e	Grade A	min	14.38	17.77	20.03	23.36	26.75	30.14	33.53	37.72	39.98	/	/
	Grade B	min	14.2	17.59	19.85	22.78	26.17	29.56	32.95	37.29	39.55	45.2	50.85
L ₁	max		2	2	3	3	3	3	4	4	4	6	6
k	Nominal Size		5.3	6.4	7.5	8.8	10	11.5	12.5	14	15	17	18.7
	Grade A	max	5.45	6.58	7.68	8.98	10.18	11.715	12.715	14.215	15.215	/	/
		min	5.15	6.22	7.32	8.62	9.82	11.285	12.285	13.785	14.785	/	/
	Grade B	max	5.54	6.69	7.79	9.09	10.29	11.85	12.85	14.35	15.35	17.35	19.12
min		5.06	6.11	7.21	8.51	9.71	11.15	12.15	13.65	14.65	16.65	18.28	
k ₁	Grade A	min	3.61	4.35	5.12	6.03	6.87	7.9	8.6	9.65	10.35	/	/
	Grade B	min	3.54	4.28	5.05	5.96	6.8	7.81	8.51	9.56	10.26	11.66	12.8
r	min		0.4	0.4	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1	1
s	max=nominal size		13	16	18	21	24	27	30	34	36	41	46
	Grade A	min	12.73	15.73	17.73	20.67	23.67	26.67	29.67	33.38	35.38	/	/
	Grade B	min	12.57	15.57	17.57	20.16	23.16	26.16	29.16	33	35	40	45



- a. $a^\circ = 15^\circ \sim 30^\circ$
b. Chamfered end

Screw Thread d			(M33)	M36	(M39)	M42	(M45)	M48	(M52)	M56	(M60)	M64
P	Pitch	Fine thread, 1	2	3	3	3	3	3	4	4	4	4
		Fine thread, 2	/	/	/	/	/	/	/	/	/	/
b	L ≤ 125		/	/	/	/	/	/	/	/	/	/
	125 < L ≤ 200		78	84	90	96	102	108	116	/	/	/
	L > 200		91	97	103	109	115	121	129	137	145	153
c	max		0.8	0.8	1	1	1	1	1	1	1	1
	min		0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
d _a	max		36.4	39.4	42.4	45.6	48.6	52.6	56.6	63	67	71
d _s	max=nominal size		33	36	39	42	45	48	52	56	60	64
	Grade A	min	/	/	/	/	/	/	/	/	/	/
	Grade B	min	32.38	35.38	38.38	41.38	44.38	47.38	51.26	55.26	59.26	63.26
d _w	Grade A	min	/	/	/	/	/	/	/	/	/	/
	Grade B	min	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	55.37	60.79	66.44	71.3	76.95	82.6	88.25	93.56	99.21	104.86
L ₁	max		6	6	6	8	8	10	10	12	12	13
k	Nominal Size		21	22.5	25	26	28	30	33	35	38	40
	Grade A	max	/	/	/	/	/	/	/	/	/	/
		min	/	/	/	/	/	/	/	/	/	/
	Grade B	max	21.42	22.92	25.42	26.42	28.42	30.42	33.5	35.5	38.5	40.5
		min	20.58	22.08	24.58	25.58	27.58	29.58	32.5	34.5	37.5	39.5
k ₁	Grade A	min	/	/	/	/	/	/	/	/	/	/
	Grade B	min	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	1.2	1.2	1.6	1.6	2	2	2
s	max=nominal size		50	55	60	65	70	75	80	85	90	95
	Grade A	min	/	/	/	/	/	/	/	/	/	/
	Grade B	min	49	53.8	58.8	63.1	68.1	73.1	78.1	82.8	87.8	92.8