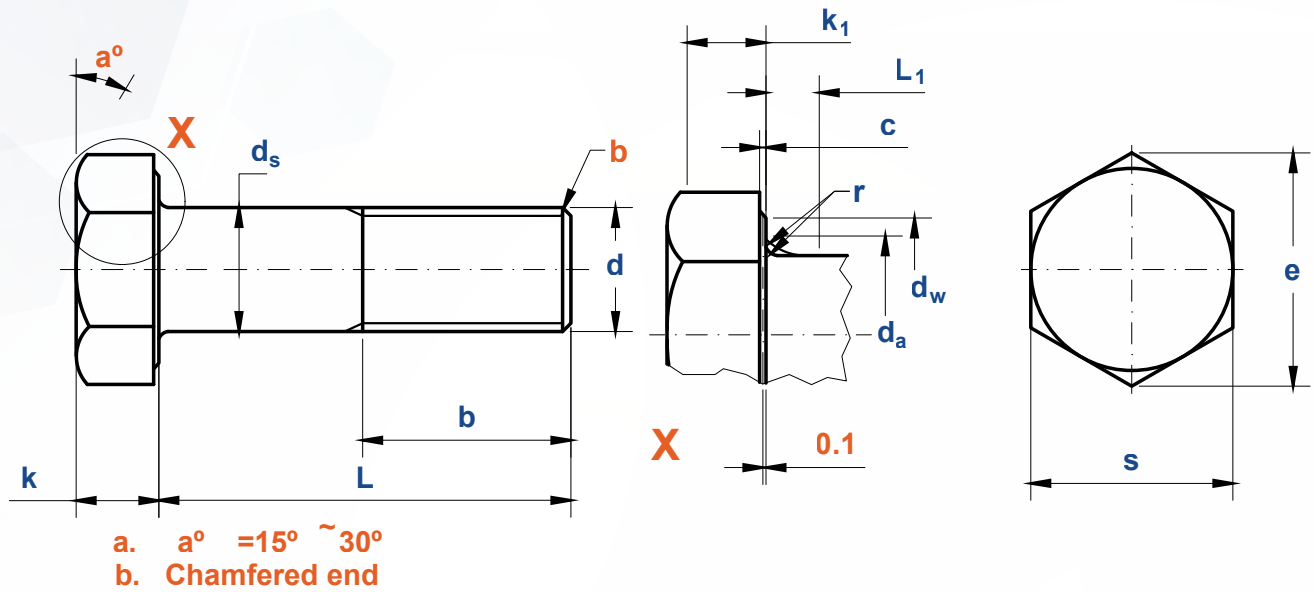
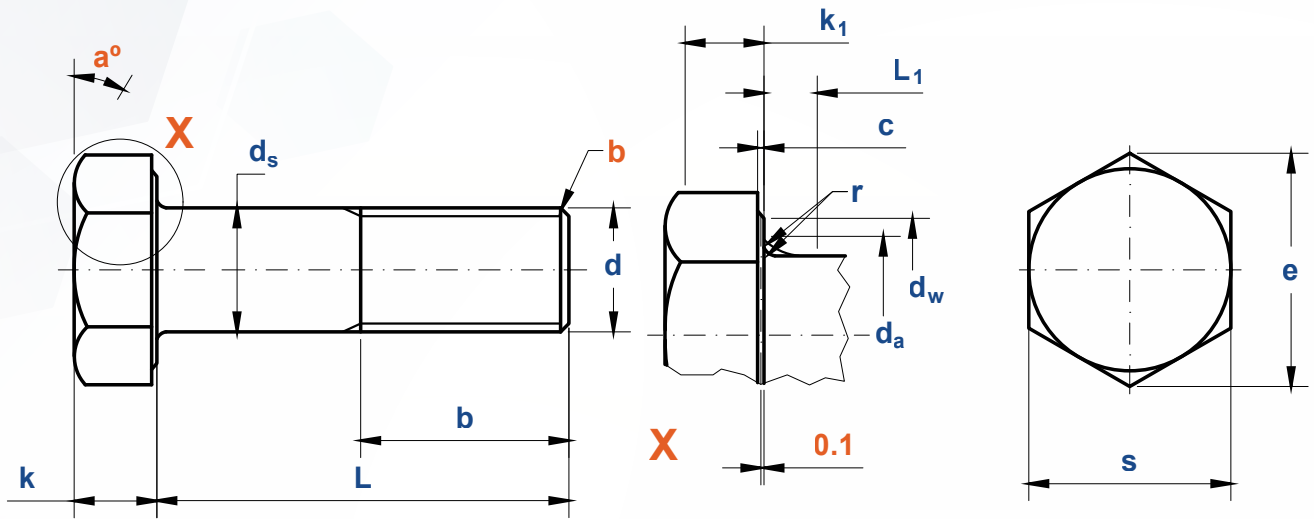




Thread Size d			M8 ×1	M10 ×1	(M10) ×1.25	(M12) ×1.25	M12 ×1.5	(M14) ×1.5	M16 ×1.5	(M18) ×1.5	(M20) ×2	M20 ×1.5	(M22) ×1.5	M24 ×2
P	Pitch		1	1	1.25	1.25	1.5	1.5	1.5	1.5	2	1.5	1.5	2
b	L≤125		22	26	26	30	30	34	38	42	46	46	50	54
	125<L≤200		28	32	32	36	36	40	44	48	52	52	56	60
	L>200		41	45	45	49	49	57	57	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
d _a	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
d _s	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
d _w	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
L ₁	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
k ₁	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



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

Thread Size d			(M27) ×2	M30 ×2	(M33) ×2	M36 ×3	(M39) ×3	M42 ×3	(M45) ×3	M48 ×3	(M52) ×4	M56 ×4	(M60) ×4	M64 ×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
d _a	max		30.4	33.4	36.4	39.4	42.4	45.6	48.6	52.6	56.6	63	67	71
d _s	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
d _w	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
L ₁	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
k ₁	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