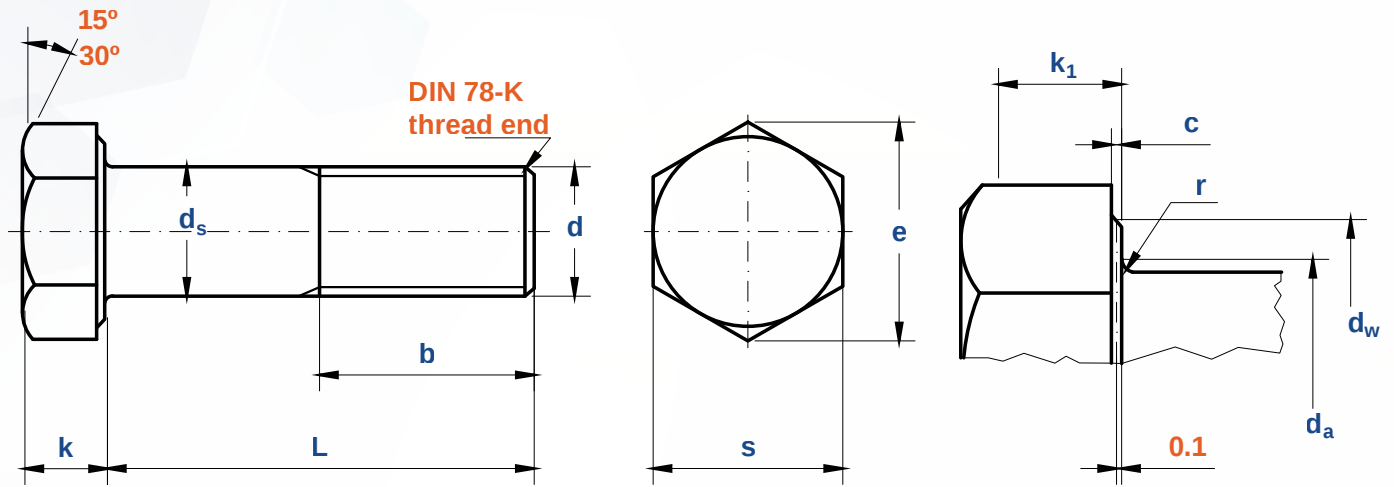
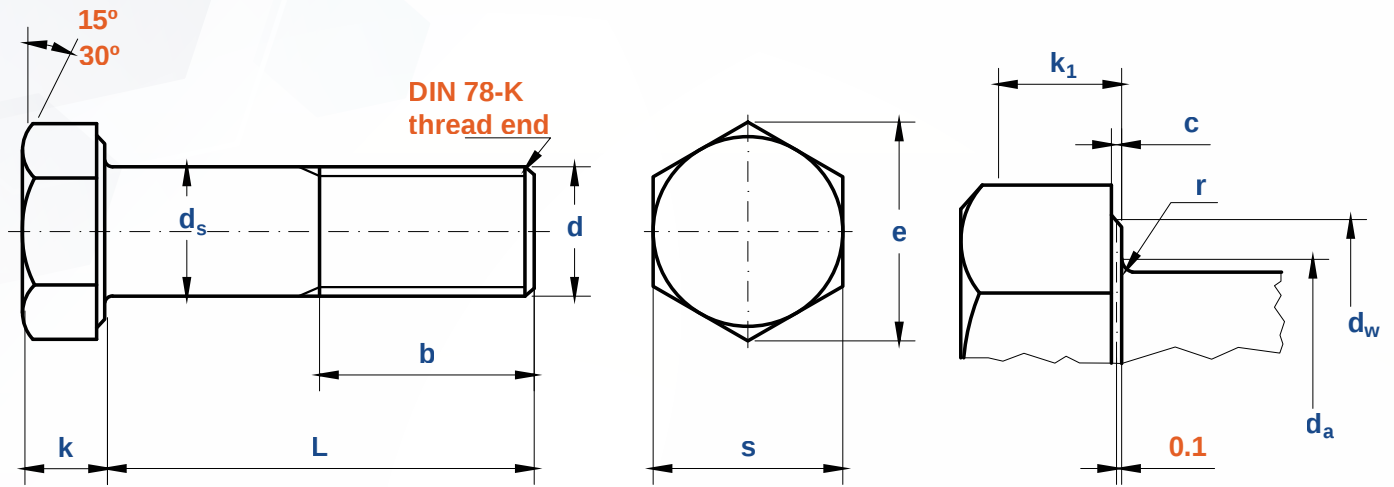




Screw Thread d			M8	M10	M12	(M14)	M16	(M18)	M20	(M22)	M24	(M27)	M30	(M33)	M36	(M39)
P	Pitch	Fine thread-1	1	1	1.5	1.5	1.5	2	1.5	2	2	2	2	2	3	3
		Fine thread-2	-	1.25	1.25	-	-	1.5	2	1.5	1.5	-	-	-	-	-
b	L≤125		22	26	30	34	38	42	46	50	54	60	66	72	78	84
	125<L≤200		28	32	36	40	44	48	52	56	60	66	72	78	84	90
	L>200		41	45	49	53	57	61	65	69	73	79	85	91	97	103
c	min		0.15	0.15	0.15	0.15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
	max		0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1
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	36.4	39.4	42.4
d _s	max		8	10	12	14	16	18	20	22	24	27	30	33	36	39
	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	13.57	15.57	17.57	19.48	21.48	23.48	26.48	29.48	32.38	35.38	38.38
d _w	Grade A	min	11.6	15.6	17.4	20.5	22.5	25.3	28.2	30	33.6	-	-	-	-	-
	Grade B	min	11.4	15.4	17.2	20.1	22	24.8	27.7	29.5	33.2	38	42.7	46.6	51.1	55.9
e	Grade A	min	14.38	18.9	21.1	24.49	26.75	30.14	33.53	35.72	39.98	-	-	-	-	-
	Grade B	min	14.2	18.72	20.88	23.91	26.17	29.56	32.95	35.03	39.55	45.2	50.85	55.37	60.79	66.44
k	Nominal Size		5.3	6.4	7.5	8.8	10	11.5	12.5	14	15	17	18.7	21	22.5	25
	Grade A	min	5.15	6.22	7.32	8.62	9.82	11.28	12.28	13.78	14.78	-	-	-	-	-
		max	5.45	6.58	7.68	8.98	10.18	11.72	12.72	14.22	15.22	-	-	-	-	-
	Grade B	min	5.06	6.11	7.21	8.51	9.71	11.15	12.15	13.65	14.65	16.65	18.28	20.58	22.08	24.58
		max	5.54	6.69	7.79	9.09	10.29	11.85	12.85	14.35	15.35	17.35	19.12	21.42	22.92	25.42
k ₁	min		3.54	4.28	5.05	5.96	6.8	7.8	8.5	9.6	10.3	11.7	12.8	14.4	15.5	17.2
r	min		0.4	0.4	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1	1	1	1	1
s	max=nominal size		13	17	19	22	24	27	30	32	36	41	46	50	55	60
	Grade A	min	12.73	16.73	18.67	21.67	23.67	26.67	29.67	31.61	35.38	-	-	-	-	-
	Grade B	min	12.57	16.57	18.48	21.16	23.16	26.16	29.16	31	35	40	45	49	53.8	58.8

①. Material:
a) Steel, Property class (material): ≤M39 : 5.6,8.8,10.9; for larger sizes: subject to agreement. Standard ISO 898-1
b) Stainless steel, Property class (material): ≤M20 : A2-70, A4-70; > M20 ≤M39: A2-50, A4-50; > M39: subject to agreement. Standard DIN 267-11
c) Non-ferrous metal, Property class (material): subject to agreement. Standard DIN 267-18
Note: The symbols used to denote property class as specified in ISO 898-1 and DIN 267-11 may also be used for sizes above M39, provided that the finished product has all the properties assigned to the particular symbol.



Screw Thread d			M42	(M45)	M48	(M52)	M56	(M60)	M64	(M68)	M72	(M76)	M80	M90	M100
P	Pitch	Fine thread-1	3	3	3	3	4	4	4	4	4	4	4	4	4
		Fine thread-2	-	-	-	-	-	-	-	-	-	-	-	-	-
b	L ≤ 125		90	96	102	-	-	-	-	-	-	-	-	-	-
	125 < L ≤ 200		96	102	108	116	124	132	140	148	158	164	172	192	-
	L > 200		109	115	121	129	137	145	153	161	169	177	185	205	225
c	min		0.3	0.3	0.3	0.3	-	-	-	-	-	-	-	-	-
	max		1	1	1	1	1	1	1	1	1	1	2	2	2
d _a	max		45.6	48.6	52.6	56.6	63	67	71	75	79	83	87	97	108
d _s	max		42	45	48	52	56	60	64	68	72	76	80	90	100
	Grade A	min	-	-	-	-	-	-	-	-	-	-	-	-	-
	Grade B	min	41.38	44.38	47.38	51.26	55.26	59.26	63.26	67.26	71.26	75.26	79.26	89.13	99.13
d _w	Grade A	min	-	-	-	-	-	-	-	-	-	-	-	-	-
	Grade B	min	59.9	64.7	69.4	74.2	78.7	83.4	88.2	92.9	97.7	102.4	107.2	121.1	135.4
e	Grade A	min	-	-	-	-	-	-	-	-	-	-	-	-	-
	Grade B	min	71.3	76.95	82.6	88.25	93.56	99.21	104.86	110.51	116.16	121.81	127.46	144.08	161.03
k	Nominal Size		26	28	30	33	35	38	40	43	45	48	50	57	63
	Grade A	min	-	-	-	-	-	-	-	-	-	-	-	-	-
		max	-	-	-	-	-	-	-	-	-	-	-	-	-
	Grade B	min	25.58	27.58	29.58	32.5	34.5	37.5	39.5	42.5	44.5	47.5	49.5	56.4	62.4
k ₁	min		17.9	19.3	20.9	22.8	24.2	26.2	27.6	29.8	31.2	33.2	34.6	39.5	43.7
	min		1.2	1.2	1.6	1.6	2	2	2	2	2	2	2	2.5	2.5
s	max=nominal size		65	70	75	80	85	90	95	100	105	110	115	130	145
	Grade A	min	-	-	-	-	-	-	-	-	-	-	-	-	-
	Grade B	min	63.1	68.1	73.1	78.1	82.8	87.8	92.8	97.8	102.8	107.8	112.8	127.5	142.5

①. Material:

a) Steel, Property class (material): ≤M39 : 5.6,8.8,10.9; for larger sizes: subject to agreement. Standard ISO 898-1

b) Stainless steel, Property class (material): ≤M20 : A2-70, A4-70; > M20 ≤M39: A2-50, A4-50; > M39: subject to agreement. Standard DIN 267-11

c) Non-ferrous metal, Property class (material): subject to agreement. Standard DIN 267-18

Note: The symbols used to denote property class as specified in ISO 898-1 and DIN 267-11 may also be used for sizes above M39, provided that the finished product has all the properties assigned to the particular symbol.