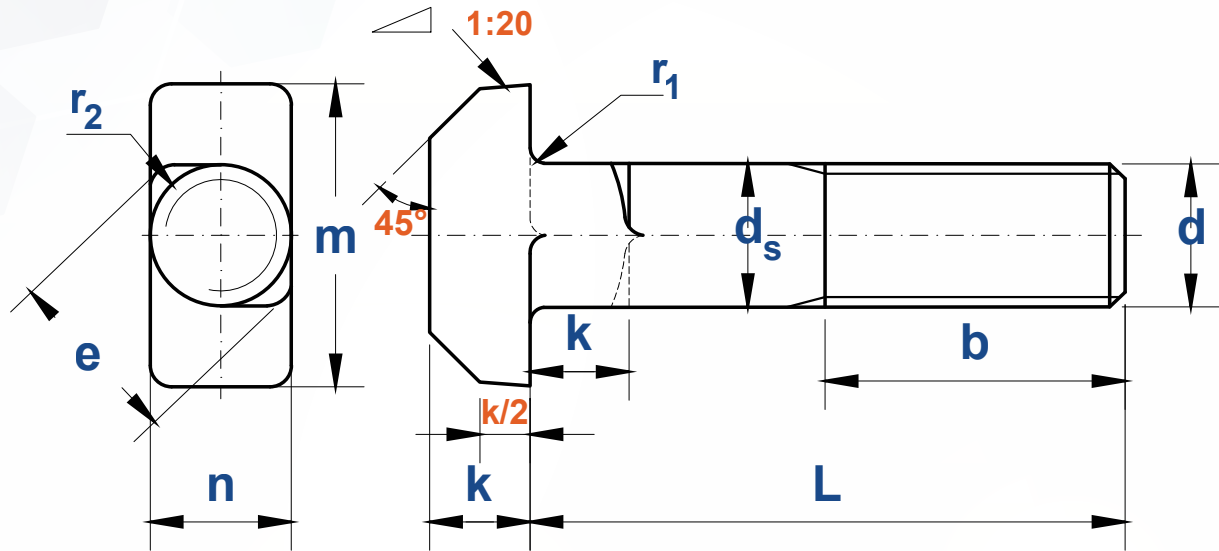




Thread Size d		M8	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72	M80
P	Pitch	1.25	1.5	1.75	2	2.5	3	3.5	4	4.5	5	5.5	6	6	6
b	Ref.	L ≤ 120	22	26	30	38	46	54	66	78	/	/	/	/	/
		120 < L ≤ 200	28	32	36	44	52	60	72	84	96	108	124	130	156
		L > 200	/	/	49	57	65	73	85	97	109	121	137	143	169
ds	Nominal Size	8	10	12	16	20	24	30	36	42	48	56	64	72	80
		max	8.58	10.58	12.7	16.7	20.84	24.84	30.84	37	43	49	57.2	65.2	73.2
		min	7.42	9.42	11.3	15.3	19.16	23.16	29.16	35	41	47	54.8	62.8	70.8
e ^④	min	9.24	11.81	14.17	19.32	24.33	29.48	37.20	44.57	52.29	60.00	69.96	80.25	90.55	100.85
k	Nominal Size	5.5	7	8	10.5	13	15	19	23	26	30	35	40	45	50
		max	5.9	7.45	8.75	11.4	13.9	15.9	20	24	27	31	36.25	41.25	46.25
		min	5.1	6.55	7.25	9.6	12.1	14.1	18	22	25	29	33.75	38.75	43.75
n	Nominal Size	8	10	12	16	20	24	30	36	42	48	56	64	72	80
		max	8.75	10.75	12.9	16.9	21	25	31	37.25	43.25	49.25	57.5	65.5	73.5
		min	7.25	9.25	11.1	15.1	19	23	29	34.75	40.75	46.75	54.5	62.5	70.5
m	Nominal Size	18	21	26	30	36	43	54	66	80	88	102	115	128	140
		max	18.9	22	27	31	37.25	44.25	55.5	67.5	81.5	89.75	103.75	116.75	130
		min	17.1	20	25	29	34.75	41.75	52.5	64.5	78.5	86.25	100.25	113.25	126
r1	≈	0.5	0.5	1.0	1.0	1.0	1.6	1.6	2.0	2.0	2.0	3.0	3.0	4.0	4.0
r2 ^①	max	1.2	1.5	1.8	2.4	3.0	3.6	4.5	5.4	6.3	7.2	8.4	9.6	10.8	12.0

①. r2. max = 0.15 x d

②. Thread end tapered tip (CH) or raised tip (RN) according to DIN EN ISO 4753 at the manufacturers choice.

③. a) Material: Steel

b) Mechanical properties: Strength class (material) ≤ M39: 4.6, > M39: by arrangement standard DIN EN ISO 4759-1

④. e(min) = n(min) x 1.41 - 0.82 x r2 (max)