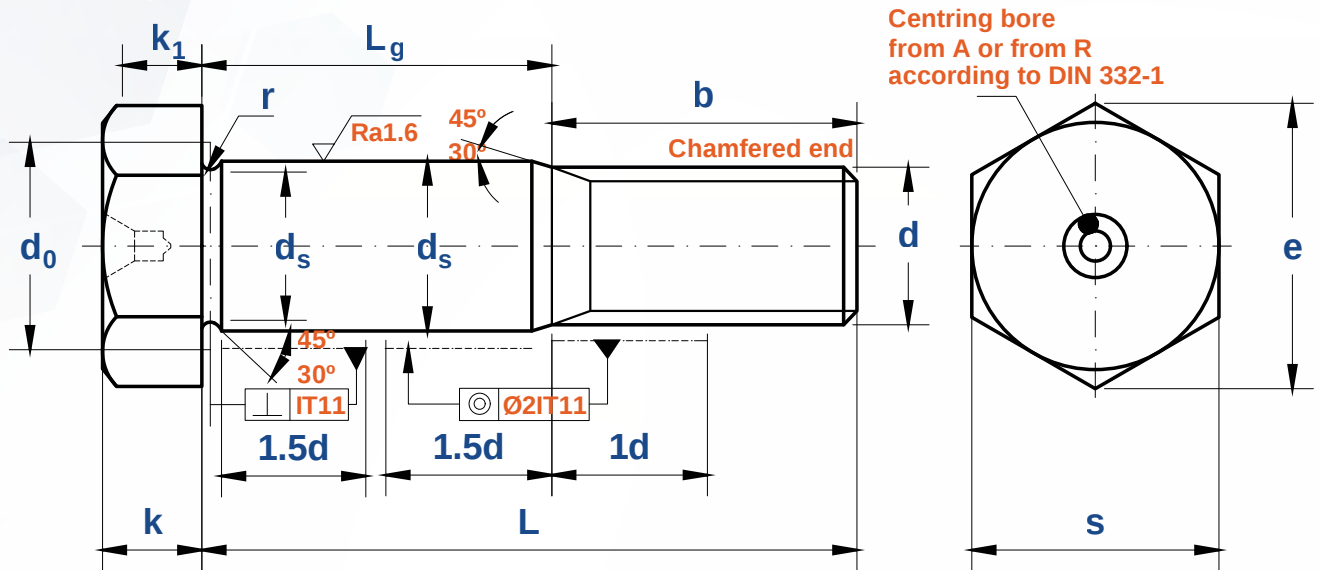
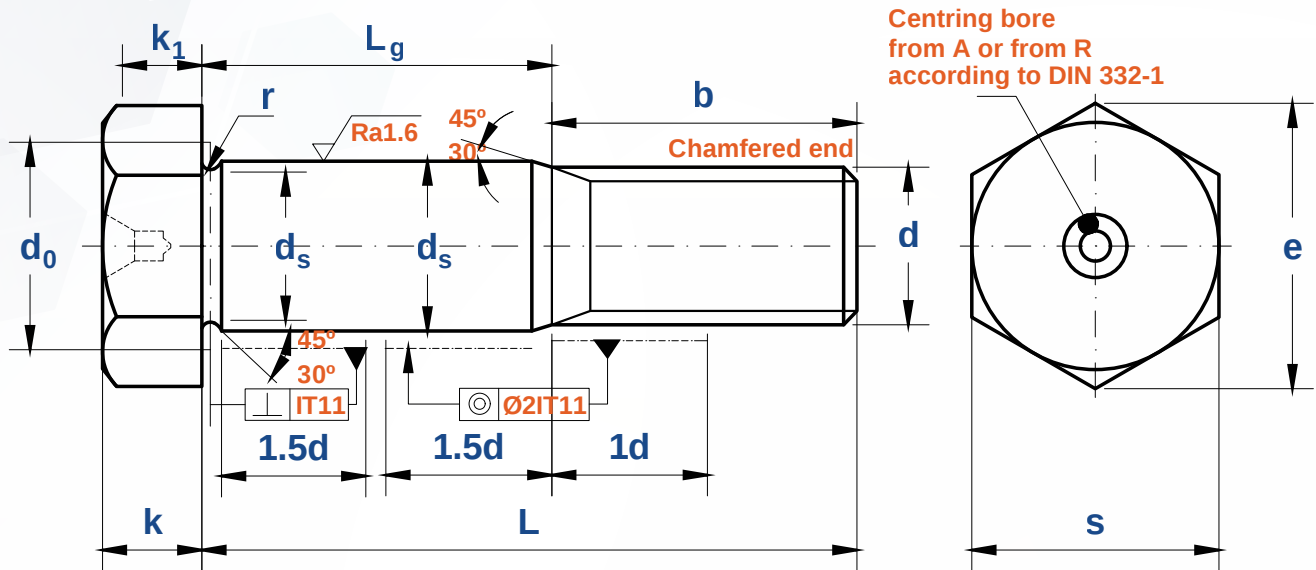




Screw Thread d			M8	M10	M12	(M14)	M16	(M18)	M20	(M22)	M24
P	Pitch	Coarse thread	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3
		Fine thread-1	1	1.25	1.25	1.5	1.5	1.5	1.5	1.5	2
		Fine thread-2	-	1	1.5	-	-	2	2	2	1.5
b	$L \leq 50$		11.5	13.5	15.5	17	19	21.5	22.5	24.5	26.5
	$50 < L \leq 150$		13.5	15.5	17.5	19	21	23.5	24.5	26.5	28.5
	$L > 150$		18.5	20.5	22.5	24	26	28.5	29.5	31.5	33.5
d_s	(k6)	Nominal Size	9	11	13	15	17	19	21	23	25
		max	9.01	11.012	13.012	15.012	17.012	19.015	21.015	23.015	25.015
		min	9.001	11.001	13.001	15.001	17.001	19.002	21.002	23.002	25.002
d_0	min		7.9	9.9	11.5	13.5	15.5	17.5	19.1	21.1	23.1
	max		8.2	10.2	11.8	13.8	15.8	17.8	19.4	21.4	23.4
e	min		14.38	17.77/18.9	19.85/20.85	22.78/23.91	26.17	29.56	32.95	35.03/37.29	39.55
k	Nominal Size		5.3	6.4	7.5	8.8	10	11.5	12.5	14	15
	min		5.15	6.22	7.21	8.51	9.71	11.15	12.15	13.65	14.65
	max		5.45	6.58	7.79	9.09	10.29	11.85	12.85	14.35	15.35
k_1	min		3.61	4.35	5.05	5.96	6.8	7.81	8.51	9.65	10.26
r	min		0.4	0.4	0.6	0.6	0.6	0.6	0.8	0.8	0.8
	max		0.55	0.55	0.75	0.75	0.75	0.75	0.95	0.95	0.95
s	max=nominal size		13	16/(17)	18/(19)	21/(22)	24	27	30	(32)/34	36
	min		12.73	15.73/16.73	17.57/18.48	20.16/21.15	23.16	26.16	29.16	31/33	35

①, Material:

- a) Steel, Strength class: $d \leq M39: 8.8$; $d > M39$ according to agreements. Standard DIN EN 20 898-1
b) Stainless steel, Strength class: $d \leq M20$: A2-70; $M20 < d \leq M39$ according to agreement. Standard DIN ISO 3506
c) Non-ferrous metal, Property class: CU2, CU3. Standard DIN EN 28839



Screw Thread d			(M27)	M30	(M33)	M36	(M39)	M42	(M45)	M48	(M52)
P	Pitch	Coarse thread	3	3.5	3.5	4	4	4.5	4.5	5	5
		Fine thread-1	2	2	2	3	3	3	3	3	3
		Fine thread-2	-	-	-	-	-	-	-	-	-
b	L ≤ 50		-	-	-	-	-	-	-	-	-
	50 < L ≤ 150		31.5	34	36	40	42	46	48	51	55
	L > 150		36.5	39	41	45	47	51	53	56	60
d _s	(k6)	Nominal Size	28	32	34	38	40	44	46	50	55
		max	28.015	32.018	34.018	38.018	40.018	44.018	46.018	50.018	55.021
		min	28.002	32.002	34.002	38.002	40.002	44.002	46.002	50.002	55.002
d ₀	min		25.7	29.7	31.7	35.7	37.7	41.7	43.7	47.7	52.7
	max		26	30	32	36	38	42	44	48	53
e	min		45.2	50.85	55.37	60.79	66.44	71.3	76.95	82.6	88.25
k	Nominal Size		17	19	21	22	25	26	28	30	33
	min		16.65	18.58	20.58	21.58	24.58	25.58	27.58	29.58	32.5
	max		17.35	19.42	21.42	22.42	25.42	26.42	28.42	30.42	33.5
k ₁	min		11.66	13.01	14.41	15.11	17.21	17.91	19.31	20.71	22.75
r	min		1	1	1	1	1	1	1	1	1
	max		1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
s	max=nominal size		41	46	50	55	60	65	70	75	80
	min		40	45	49	53.8	58.8	63.1	68.1	73.1	78.1

①, Material:

a) Steel, Strength class: d ≤ M39: 8.8 ; d > M39 according to agreements . Standard DIN EN 20 898-1

b) Stainless steel, Strength class: d ≤ M20 : A2-70 ; M20 < d ≤ M39 according to agreement. Standard DIN ISO 3506

c) Non-ferrous metal, Property class: CU2, CU3. Standard DIN EN 28839