

Table-1 Casting tolerances

Raw Casting Basic dimension mm		Total casting tolerance ¹⁾ mm															
		casting tolerance grade CT ²⁾³⁾															
Over	up to and including	1	2	3	4	5	6	7	8	9	10	11	12	13 ⁴⁾	14 ⁴⁾	15 ⁴⁾	16 ⁴⁾⁵⁾
—	10	0.09	0.13	0.18	0.26	0.36	0.52	0.74	1	1.5	2	2.8	4.2	—	—	—	—
10	16	0.1	0.14	0.2	0.28	0.38	0.54	0.78	1.1	1.6	2.2	3	4.4	—	—	—	—
16	25	0.11	0.15	0.22	0.3	0.42	0.58	0.82	1.2	1.7	2.4	3.2	4.6	6	8	10	12
25	40	0.12	0.17	0.24	0.32	0.46	0.64	0.9	1.3	1.8	2.6	3.6	5	7	9	11	14
40	63	0.13	0.18	0.26	0.36	0.5	0.7	1	1.4	2	2.8	4	5.6	8	10	12	16
63	100	0.14	0.2	0.28	0.4	0.56	0.78	1.1	1.6	2.2	3.2	4.6	6	9	11	14	18
100	160	0.15	0.22	0.3	0.44	0.62	0.88	1.2	1.8	2.5	3.6	5	7	10	12	16	20
160	250	—	0.24	0.34	0.5	0.7	1	1.4	2	2.8	4	5.6	8	11	14	18	22
250	400	—	—	0.4	0.56	0.78	1.1	1.6	2.2	3.2	4.4	6.2	9	12	16	20	25
400	630	—	—	—	0.64	0.9	1.2	1.8	2.6	3.6	5	7	10	14	18	22	28
630	1000	—	—	—	—	1	1.4	2	2.8	4	6	8	11	16	20	25	32
1000	1600	—	—	—	—	—	1.6	2.2	3.2	4.6	7	9	13	18	23	29	37
1600	2500	—	—	—	—	—	—	2.6	3.8	5.4	8	10	15	21	26	33	42
2500	4000	—	—	—	—	—	—	—	4.4	6.2	9	12	17	24	30	38	49
4000	6300	—	—	—	—	—	—	—	—	7	10	14	20	28	35	44	56
6300	10000	—	—	—	—	—	—	—	—	—	11	16	23	32	40	50	64

1) See clause 9.

2) For wall thicknesses in grades CT1 to CT15, one grade coarser applies(see clause 7)

3) See clause 5.

4) For sizes up to 16mm, general tolerances from CT13 to CT16 are not available. For these sizes individual tolerances shall be indicated.

5) Grade 16 exists only for wall thicknesses of castings generally specified to CT15.