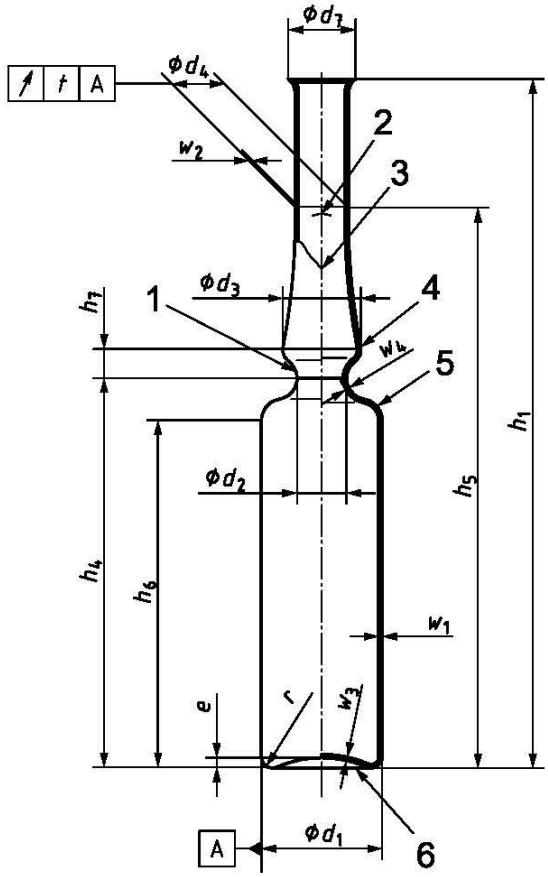
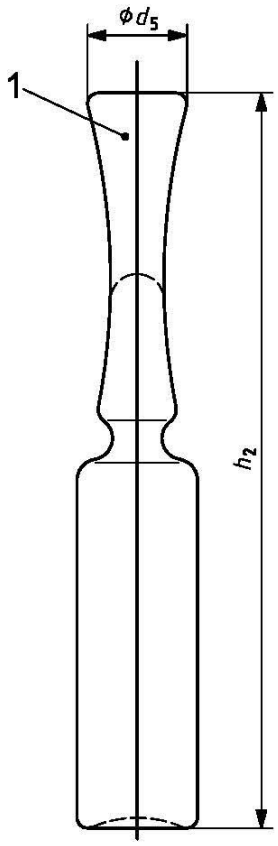


Key
1 constriction
2 sealing point
3 stem
4 bulb
5 shoulder
6 base or bottom

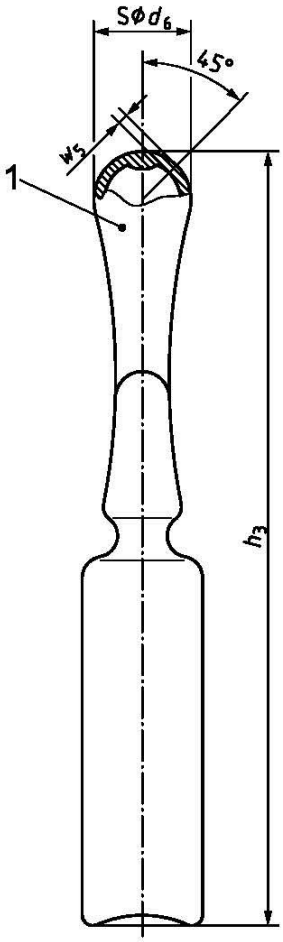
NOTE For dimensions of parameters, see Table 1.

Figure 1 — Form B: stem, cut ampoule with constriction



Key
1 funnel

Figure 2 — Form C: stem, open-funnel ampoule with constriction



Key
1 dome

Figure 3 — Form D: stem, sealed ampoule with constriction

Table 1 — Dimensions of ampoules

Dimensions in millimetres

Dimension			Nominal volume ml							
			1	2	3	5	10	20	25	30
External diameter	Body d_1[a]		10,75	10,75	12,75	14,75	17,75	22,5	22,5	22,5
		tol.	±0,15	±0,15	±0,15	±0,15	±0,20	±0,25	±0,25	±0,25
	Constriction d_2[b]		6,5	6,5	6,5	7	7,5	8,5	8,5	8,5
		tol.	±0,5	±0,5	±0,5	±0,5	±0,5	±0,5	±0,5	±0,5
	Bulb d_3		8,5	8,5	8,5	9	9,5	12	12	12
		tol.	±0,5	±0,5	±0,5	±0,5	±0,5	±1	±1	±1
	Stem d_4		6	6	6	7	7,1	7,8	7,8	7,8
		tol.	±0,35	±0,35	±0,35	±0,35	±0,35	±0,5	±0,5	±0,5
	Funnel d_5[c]		9	9	10,7	12,2	13	14	14	14
		tol.	±0,8	±0,8	±0,8	±1	±1	±1	±1	±1
	Dome d_6[c]		10	10	10,5	12	13,5	13,5	13,5	13,5
		tol.	±1	±1	±1	±1	±1	±1	±1	±1
	Flared end d_7		8	8	8	9	9,5	11	11	11
		tol.	±1	±1	±1	±1	±1	±1	±1	±1
Overall height	Form B h_1		60	72	75	83	102	113	128	143
		tol.	±1	±1	±1	±1	±1	±1	±1	±1
	Form C h_2		67	79	82	90	109	120	135	150
		tol.	±1	±1	±1	±1	±1	±1,5	±1,5	±1,5
	Form D h_3		70	83	89	95	112	126	141	156
		tol.	±1	±1	±1	±1	±1	±1	±1	±1
Height	Height to constriction h_4		25,5	37,5	39,5	46,5	62	76	91	106
		tol.	±0,5	±0,5	±0,5	±0,5	±1	±1,3	±1,3	±1,3
	Height to gauging point h_5		47	57	62	68	87	100	115	130
		tol.	±2	±2	±2	±2	±2	±2	±2	±2
	Body height h_6	min.	21	33	35	41	55	65	80	95
	Height measured from centre of constriction to bulb h_7	max.	4,5	4,5	5	5,5	6	6,5	6,5	6,5
Base	Radius r		1	1	1,5	1,5	1,5	2,0	2,0	2,0
		tol.	±0,5	±0,5	±0,5	±0,5	±0,5	±0,5	±0,5	±0,5
	Depth of the base e		1	1	1	1	1,25	1,5	1,5	1,5
		tol.	±0,5	±0,5	±0,5	±0,5	±0,75	±1	±1	±1
Wall thickness	Glass thickness of body w_1		0,5	0,5	0,5	0,55	0,6	0,7	0,7	0,7
		tol.	±0,03	±0,03	±0,03	±0,03	±0,04	±0,04	±0,04	±0,04
	Glass thickness of stem at gauging w_2		0,37	0,37	0,37	0,40	0,47	0,50	0,50	0,50
		tol.	±0,05	±0,05	±0,05	±0,05	±0,05	±0,05	±0,05	±0,05
	Glass thickness at base w_3	min.	0,3	0,3	0,3	0,4	0,4	0,5	0,5	0,5
	Glass thickness at constriction w_4		0,7	0,7	0,7	0,7	0,8	1	1	1
		tol.	±0,1	±0,1	±0,1	±0,15	±0,15	±0,2	±0,2	±0,2
	Glass thickness of dome w_5		0,1 to 0,25					0,1 to 0,30		
	Circular run-out tolerance f[d]		0,6	0,6	0,8	1	1	1,2	1,2	1,2
	Volume to centre of constriction V	ml ≈	1,5	2,3	3,5	5,5	11,5	23,5	28,5	33,5

[a] The deviation from the perpendicularity between bottom and length axis at the body outside diameter shall not exceed an angle of 2°.

[b] If there is a need to reduce the constriction diameter, e.g. due to a reduction of particles, it shall be agreed between the manufacturer and purchaser.

[c] No point of the funnel and the dome shall be outside the body diameter.

[d] The run-out tolerance shall be measured at the sealing point (according to ISO 1101).