

US DMF

Canadian DMF

China DMF

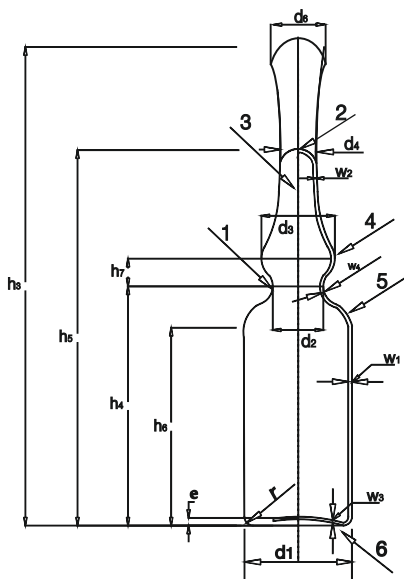
ISO 15378 Certified

ISO 9001:2015

**BOROSIL**  
**KLASSPACK**<sup>®</sup>  
pharmaceutical packaging



## Form D : Stem, sealed ampoule with constriction



### KEY

1 = Constriction	4 = Bulb	h = Height
2 = Sealing Point	5 = Shoulder	d = Diameter
3 = Stem	6 = Base or Bottom	w = Wall Thickness

- Colour
  - Clear
  - Amber
- Type of finish
  - Form B : Cut & Glaze
  - Form C : Flame Cut
  - Form D : Dome
  - Double point Ampoules
- Types of Constriction
  - Conventional
  - Colour Break
  - OPC
  - Score Break
- Add ons
  - Ceramic printing
  - ID band : Upto Three ID bands
- USP Type I, Clear and Amber Glass Ampoules
- 1ml to 50 ml Nominal Volumes
- Installed capacity of over 810 million Ampoules per annum
- Special treatment for pH sensitive products
- **Extractable report as per USP 232 & 233**
- **De-lamination report as per USP 1660**

### Dimensions of Ampoule

Nominal Volume	Diameters			Heights			Wall Thickness		Volume to center of constriction / ml		
	Body diameter d1	Constriction diameter d2 ± 0.5	Stem diameter d4	Total height h3 ± 1.0	Height to gauging point h5 ± 2.0	Body height h6 min	Glass thickness of body w1				
							tol	tol			
1ml	10.75	± 0.15	6.5	6	± 0.35	70	47	21	0.50	± 0.03	1.5
2ml						83	57	33			2.3
3ml	12.75	± 0.15	6.5	6	± 0.35	89	62	35			3.5
5ml	14.75	± 0.15	7	7.0	± 0.35	95	68	41	0.55	± 0.03	5.5
10ml	17.75	± 0.20	7.5	7.1	± 0.35	112	87	55	0.60	± 0.04	11.5
20ml	22.50	± 0.25	8.5	7.8	± 0.50	126	100	65	0.70	± 0.04	23.5
25ml						141	115	80			28.5
30ml						156	130	95			33.5

All dimensions are in "mm" unless specified.