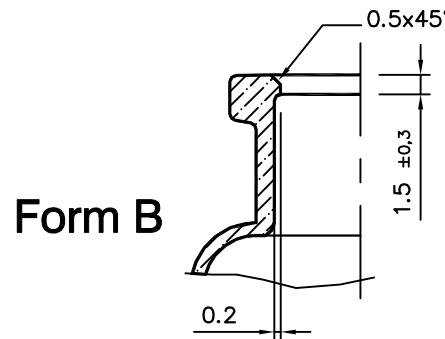
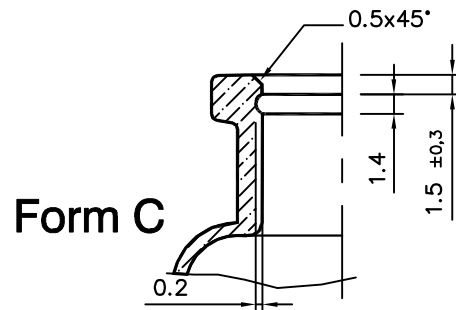
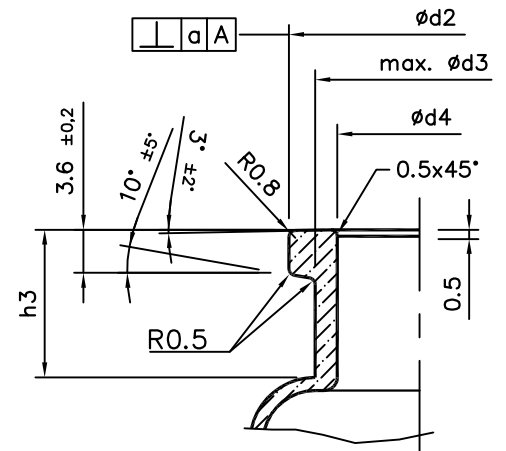
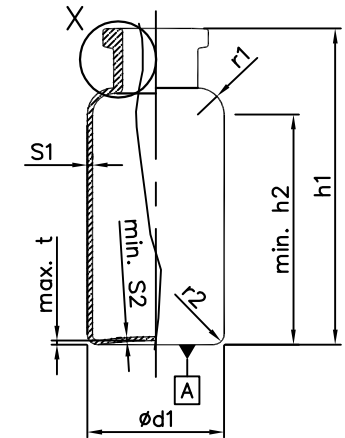


## Dimensions, overflow capacity and mass

Size designation of Injection vial	Overflow capacity ml	a mm	d1 mm	d2 mm	d3 mm	d4 mm	h1 mm	h2 mm	h3 mm	r1 mm	r2 mm	s1 mm	s2 mm	t mm	Mass g
2R	4	1	16 ±0.15	13	10.5	7	35	22	8	2.5	1.5	1	0.6	0.7	5
4R	6						45	32							6.1
6R	10	1.2	22 ±0.2	16.5	12.6	40	26	8.5 ±0.5	3.5	2	1	±0.04	0.7	8.3	
8R	11.5					45	31							9.4	
10R	13.5	±1	24	20	12.6	45	30	9	4.0	2	1	±0.05	0.7	10.2	
15R	19					60	45							12.8	
20R	26	1.5	30 ±0.25	17.5	12.6	55	35	10 ±0.75	5.5	2.5	1.2	±0.05	1	17.4	
25R	32.5					65 ±0.7	45							20	
30R	37.5	75	55	22.7											



**Form A**

# Vial ISO 11418-7:1998

Dimensions, overflow capacity, thread designation and mass of screw-neck vials

Nominal size	Overflow capacity (brimful) ml ~	a mm	Nominal thread d x Pitch P	d1		d2 <sup>3)</sup>		d3		R1	R2	d4		h1	h2	h3	r1	r2 <sup>1)</sup>	s1	s2 <sup>2)</sup>		t	Mass g ~	
				mm	tol.	mm	tol.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm
5	6.5	1.0	14x2.5	18	±0.2	8.6	±0.20	12.3	-0.4	0.62	0.25	14.0	-0.4	45	±0.5	29	10.5	3.0 ±1	1.5 ±0.5	1.2	0.8	0.5	±0.3	7.4
7.5	9.0	1.2	18x3.0	22	±0.2	11.5	±0.20	16.0	-0.5	0.74	0.3	18.0	-0.5	40	±0.5	23	11.0	3.5 ±1	2.0 ±0.5	1.2	0.8	0.5	±0.3	9.4
10	12.5	1.2	18x3.0	24	±0.2	11.5	±0.20	16.0	-0.5	0.74	0.3	18.0	-0.5	45	±0.5	28	11.0	3.5 ±1	2.0 ±0.5	1.2	0.8	0.5	±0.3	11.2
15	17.5	1.2	18x3.0	24	±0.2	11.5	±0.20	16.0	-0.5	0.74	0.3	18.0	-0.5	60	±0.5	43	11.0	3.5 ±1	2.0 ±0.5	1.2	0.8	0.5	±0.3	14.6
20	25.5	1.5	22x3.0	30	±0.3	15.2	±0.25	20.0	-0.5	0.74	0.3	22.0	-0.5	55	±0.7	36	11.0	5.5 ±1.5	2.5 ±1	1.2	0.8	0.6	±0.4	17.5
25	31.5	1.5	22x3.0	30	±0.3	15.2	±0.25	20.0	-0.5	0.74	0.3	22.0	-0.5	65	±0.7	46	11.0	5.5 ±1.5	2.5 ±1	1.2	0.8	0.6	±0.4	19.8
30	37.5	1.5	22x3.0	30	±0.3	15.2	±0.25	20.0	-0.5	0.74	0.3	22.0	-0.5	75	±0.7	56	11.0	5.5 ±1.5	2.5 ±1	1.2	0.8	0.6	±0.4	22.5

1) In the case of screw-neck vials for freeze-drying, radius r2 may be possibly bigger than the value specified in table 1. This value and the concavity of the bottom shall be agreed upon between manufacturer and customer.

2) The pip in the middle of the bottom internal surface should be not more than 0.5 mm high.

3) In the case of special closure types, the bore d2 could differ from the specified value. The difference shall be agreed upon between manufacturer and customer.

