

JIS

JAPANESE INDUSTRIAL STANDARD

Glass Syringes

 **JIS** T 3201-1979
(Reaffirmed: 1985)

Translation without guarantee
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Translated
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1. Scope

This Japanese Industrial Standard specifies medical syringes made mainly of glass, hereinafter referred to as the "syringes".

Remark: The units and numerical values shown in braces { } in this standard are based on the International System of Units (SI), and are appended for reference.

2. Classification

2.1 Classification by Material and Shape of Cylinder Tip Syringes shall be classified as follows by the material and shape of the cylinder tip.

- (1) Ground-glass joint tip⁽¹⁾
- (2) Metal tip⁽²⁾
- (3) Lock type tip⁽³⁾

Notes ⁽¹⁾ The tip is made of the same glass as that of the outer cylinder.

⁽²⁾ The tip is made of metal and has the same shape as the ground-glass tip.

⁽³⁾ The tip is made of metal and has a cut groove construction which guides the flange at the root of the injection needle.

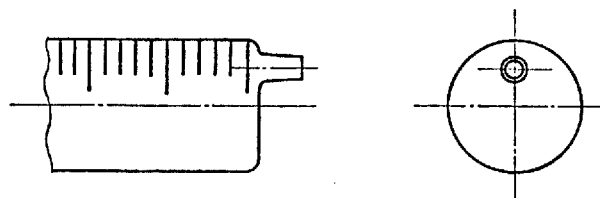
2.2 Classification by Fitting Position of Cylinder Tip Syringes shall be classified as follows by the position of fitting the cylinder tip.

- (1) Concentric mouth⁽⁴⁾.
- (2) Eccentric mouth⁽⁵⁾.

Notes ⁽⁴⁾ The centre lines of the cylinder tip and outer cylinder agree with each other.

⁽⁵⁾ The cylinder tip is attached at a position as shown in Fig. 1.

Fig. 1. Eccentric Mouth



2.3 Classification by Marking Method for Scale Marks, etc.
Syringes shall be classified as follows by the marking method for scale marks and the like.

(1) Printing.

(2) Etching.

2.4 Classification by Use, Capacity, and Outer Cylinder Length
Syringes shall be classified as shown in Table 1.

Table 1. Classification by Use, Capacity, and Outer Cylinder Length

Class	Length ⁽⁶⁾ mm	Scale		
		Number of scale marks	Scale figures ml	Toler- ances
2 ml	55	20	1, 2	± 5 %
3 ml	65	30	1, 2, 3	
5 ml	75	25	1, 2, 3, 4, 5	
10 ml	95	25	2, 4, 6, 8, 10	
20 ml	100	20	5, 10, 15, 20	
30 ml	120	30	10, 20, 30,	
50 ml	130	50	10, 20, 30, 40, 50	
100 ml	160	50	20, 40, 60, 80, 100	
For minute quantity 1 ml	85	100	20, 40, 60, 80, 1	± 2 %
For minute quantity T1 ml ⁽⁷⁾	85	20	1/2, 1	
For minute quantity 2 ml	90	40	1/2, 1, 1-1/2, 2	
For dental use 2 ml	75	20	1, 2	± 5 %

Notes ⁽⁶⁾ The length indicates the standard value and does not include the cylinder tip length.

⁽⁷⁾ T 1 ml is for tuberculin.

Remark: Exclusively in the case of products for export, where particularly specified by the purchaser with respect to the class, outer cylinder length, number of scale marks, and scale figures, these items may be altered based on this standard.