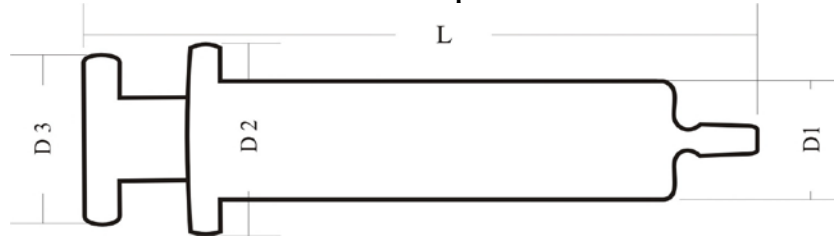


**GLASS TIP**  
**20 c.c. Volume**  
**Product Specifications**



**Description**

20 c.c. Glass Syringe-Interchangeable borosilicate glass syringe is permanently fused with graduations and unique identifier. Reinforced flanges are flat on both sides to avoid rolling.

**Dimensions**

Barrel Diameter Outside (D1)	24.20 mm $\pm$ 0.90 mm
Barrel Collar Diameter (D2)	33.70 mm $\pm$ 1.50 mm
Plunger Collar Diameter (D3)	25.90 mm $\pm$ 1.50 mm
Length (L)	141.40 mm $\pm$ 2.00 mm
Volume	20 c.c.

**Glass Properties**

Expansion Coefficient	4.9 + 1.00 / centigrade
Density	2.34g $\pm$ 0.2g /cm <sup>3</sup>
Water Resistance	First Class
Acid Resistance	First Class
Alkali Resistance	First Class
Softening Point	785°C
Melting Temperature	1160°C
Annealing Point	565°C
Color	Clear

- The glass syringe is made from heat resistant Borosilicate glass type 1.
- The material and construction is resistant to breakage from shock and sudden temperature changes.
- The product is annealed and tested until it is free from internal strain, to withstand the repeated hot water washing.
- Each plunger is individually ground and fitted to barrel for smooth movement without reverse flow.
- The Barrel rim is flat on both sides to prevent its rolling. Thus it is wide enough for convenient fingertip grip.
- The syringe is clearly marked with graduations which are permanently fused for lifetime legibility.
- Conforms ISO 594-1 and ISO 594-2
- Manufacturing/Engineering drawings of File (confidential).