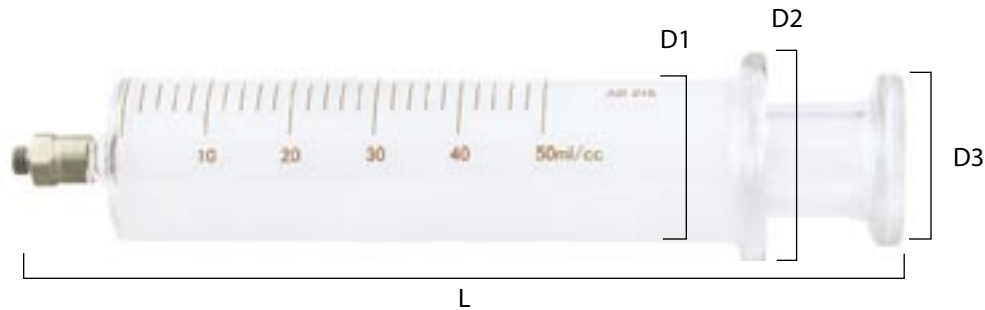


50ml Glass Syringe with 1/4" UNF Threaded Nut



Tomopal Part #	140-4552
-----------------------	-----------------

Piston Outside Diameter:	27.45 mm ± 0.20 mm
D1) Barrel Diameter Outside:	32.35 mm ± 0.55 mm
D2) Barrel Collar Diameter:	44.00 mm ± 0.75 mm
D3) Piston Collar Diameter:	34.05 mm ± 0.65 mm
L) Length:	178.00 mm ± 0.50 mm
Increment:	2.0 ml
Volume:	50.0 ml ±1.5% of volume

Features:

- The syringe is made from heat resistant borosilicate glass.
- The material and construction is resistant to breakage from shock and sudden temperature changes.
- It is annealed and tested until free of internal strain, to withstand repeated washing with hot water.
- Reinforced at 1/4" UNF threaded tip and barrel base, the points at which most breakage occurs.
- The cylinder-plunger fit is leak proof and meets the requirements of Federal Specification GG -S- 921b.
- Plunger is individually ground and fitted to barrel for smooth movement with no back flow.
- Barrel rim is flat on both sides to prevent rolling and is wide enough for convenient finger tip grip.
- The syringes available in universal fit or custom fit design. The custom fit syringes are uniquely numbered for matching.
- The fitting is made from chrome-plated brass or SS-316.
- The syringe is clearly marked with graduations of 2.0 ml and 10.0 ml. The graduations are permanently fused for lifetime legibility.

Glass Properties:

Expansion coefficient:	52 +/- 10 ⁻⁷ / Centigrade
Density:	2.36g +/- 0.03g CM ³
Modulus of elasticity:	64 +/- 10 ³ mm ⁻²
Water resistance:	First Class
Acid resistance:	First Class
Alkali resistance:	First Class

Softening point:	785 @ degrees centigrade
Melting temperature:	1260 @ degrees centigrade
Strain point:	525 @ degrees centigrade
Annealing point:	570 @ degrees centigrade
Hardness:	7
Color:	Clear