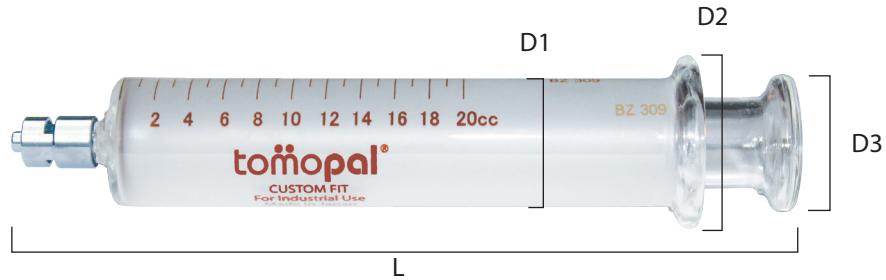


20ml Glass Syringe with metal luer lock



Tomopal Part # 140-4520

Piston Outside Diameter:	20.40 mm ± 0.20 mm
D1) Barrel Diameter Outside:	24.20 mm ± 0.40 mm
D2) Barrel Collar Diameter:	33.25 mm ± 0.75 mm
D3) Piston Collar Diameter:	24.65 mm ± 0.65 mm
L) Length:	145.50 mm ± 0.50 mm
Increment:	1.0 ml
Volume:	20.0 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 luer lock tip and barrel base, the points at which most breakage occur.
- 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 are available in custom fit design. The custom fit syringes are uniquely numbered for matching piston and barrel.
- The metal luer lock tip meets the specification of American National Standards for Medical Materials luer taper fitting performance, HIMA MD 70.1 - 1983.
- The metal luer lock fitting is made from chrome-plated brass and fits all female luer lock fittings.
- The syringe is clearly marked with graduations of 1.0 ml and 2.0 ml. The graduations are permanently fused for lifetime legibility.

Glass Properties:

Expansion coefficient:	52 +/- 10 ⁻⁷ / Centigrade	Softening point:	785 @ degrees centigrade
Density:	2.36g +/- 0.03g CM ³	Melting temperature:	1260 @ degrees centigrade
Modulus of elasticity:	64 +/- 10 ³ mm ⁻²	Strain point:	525 @ degrees centigrade
Water resistance:	First Class	Annealing point:	570 @ degrees centigrade
Acid resistance:	First Class	Hardness:	7
Alkali resistance:	First Class	Color:	Clear