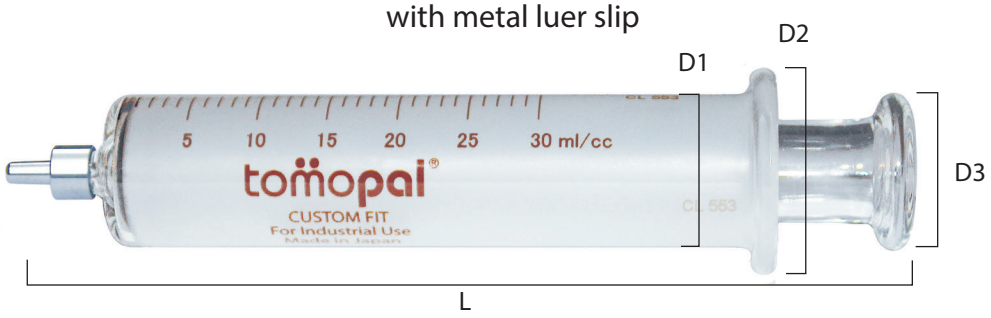
tomopal®

Terms & Conditions

30ml Glass Syringe

with metal luer slip



Tomopal Part #	140-2030
Piston Outside Diameter:	22.90 mm ± 0.20 mm
D1) Barrel Diameter Outside:	27.30 mm ± 0.40 mm
D2) Barrel Collar Diameter:	37.55 mm ± 0.75 mm
D3) Piston Collar Diameter:	27.95 mm ± 0.65 mm
L) Length:	161.00 mm ± 0.50 mm
Increment:	1.0 ml
Volume:	30.0 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 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 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 slip fitting is made from chrome-plated brass.
- The syringe is clearly marked with graduations of 1.0 ml and 5.0 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

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