

Dispensing

Hand Held Applicators

Loctite® brand hand held applicators are ergonomically designed for the hand delivery of adhesives and fluids directly from their original package. Whether pneumatic or manual, each item is designed for the simple, clean, hand held dispensing of fluids, to reduce waste and operator contact over other methods. Selection of a Loctite® brand hand held applicator is based on product type, package configuration, and process requirements.



**Loctite®
50 ml/250 ml
Hand Pump**



**Loctite®
10 ml/30 ml Syringe
Manual Plungers**



**Loctite®
30 ml Manual
Syringe Applicator**



**Loctite®
1 Liter Collapsible
Bottle Holder**



**Loctite® Caulking
Gun Conversion Kit
for 50 ml Cartridges**



**Loctite®
Soft Squeeze Bottles**



	Loctite® 50 ml/250 ml Hand Pump	Loctite® 10 ml/30 ml Syringe Manual Plungers	Loctite® 30 ml Manual Syringe Applicator	Loctite® 1 Liter Collapsible Bottle Holder	Loctite® Caulking Gun Conversion Kit for 50 ml Cartridges	Loctite® Soft Squeeze Bottles
Item #	98414/97001	98192/98193	98026	98311	983445 / 98415	98345, 98346, 98347
Adhesive Components	1	1	1	1	2	1
Used To Dispense	TL, RC	ALL	ALL	TL, RC	E, U, M	All
Viscosity Range	Low to Medium	Low to High	Low to High	Low to Medium	High to Paste	Low to Medium
Type	Manual	Manual	Manual	Manual	Manual	Manual
Mix Ratio	-	-	-	-	1:1, 2:1 / 10:1	-

**Loctite®
50 ml Manual
Applicator**



**Loctite® 50 ml
Dual Cartridge
Pneumatic Applicator**



**Loctite® 200 ml/400 ml
Dual Cartridge
Manual Applicators**



**Loctite® 200 ml/400 ml
Dual Cartridge
Pneumatic Applicators**



**Loctite® Universal
Metal Dispenser for
200/400 ml Cartridges**



**Loctite® Fixmaster®
Rapid Rubber
Repair Dispenser**



	Loctite® 50 ml Manual Applicator	Loctite® 50 ml Dual Cartridge Pneumatic Applicator	Loctite® 200 ml/400 ml Dual Cartridge Manual Applicators	Loctite® 200 ml/400 ml Dual Cartridge Pneumatic Applicators	Loctite® Universal Metal Dispenser for 200/400 ml Cartridges	Loctite® Fixmaster® Rapid Rubber Repair Dispenser
Item #	983531	97042	983436/983438/ 985246	983437/983439/ 985249	985245	39635
Adhesive Components	2	2	2	2	2	2
Used To Dispense	E, U, M	E, U, M	E, U, M	E, U, M	E, U, M	RR
Viscosity Range	High to Paste	High to Paste	High to Paste	High to Paste	High to Paste	Medium to High
Type	Manual	Pneumatic	Manual	Pneumatic	Manual	Manual

ALL = All Fluids in Approved Packages
E = Two-Component Epoxies
G = Gasketing Products

M = Two-Component Methacrylates
RR = Rapid Rubber Repair Urethane

RC = Retaining Compounds
S = Silicones

TL = Threadlockers
U = Two-Component Urethanes

Loctite® 50/250 ml Hand Pumps, Items 98414, 97001

The Loctite® 50/250 ml hand pumps are the world's standard for volumetric bottle-top applicators. They mount easily on any Loctite® brand 50 ml or 250 ml bottle, and will not leak, regardless of the orientation of the bottle, minimizing waste and converting the product package into a portable dispenser. Use this item for any application requiring single shots of product. It is especially useful for applications where freedom from product feed lines is desirable.

Features

- Adjustable positive displacement, 0.01 ml to 0.40 ml of product
- Allows user to control amount and positioning of the adhesive
- Converts product package into portable dispenser
- Applicator nozzle accepts a variety of dispensing needles
- Bottle stand greatly improves 50 ml bottle stability

Theory of Operation

Each squeeze of the trigger will dispense single shots of Loctite® brand Threadlockers and Retaining Compounds from 0.01 to 0.40 ml, with viscosities up to 30,000 cP. This unit requires no flushing, electricity, or air source.

Typical Fluids Handled

Loctite® brand Threadlockers

Loctite® brand Retaining Compounds

Loctite® brand Low Viscosity Thread Sealants

Technical Specifications

Compatibility:	Loctite® brand 50 ml or 250 ml anaerobic bottles
Size: 97001	4.0" H x 5.75" W x 1.5" D - Pump
98414	4.0" H x 5.75" W x 1.5" D - Pump 4.5" H x 3.75" W x 2.25" D - Stand



List of Loctite® Brand Parts Supplied

98414	97001
(1) 50 ml Hand Pump and Stand	(1) 250 ml Hand Pump
(2) 20 Gauge Tapered Tips (pink)	(2) 20 Gauge Tapered Tips (pink)
(2) 18 Gauge Tapered Tips (green)	(2) 18 Gauge Tapered Tips (green)
(2) 16 Gauge Tapered Tips (gray)	(2) 16 Gauge Tapered Tips (gray)
(1) Manual	(1) Manual

Additional Information

For Dispense Tips, see page 54.

For Spare Parts and Accessories, see pages 55-56.

Loctite® Manual Plungers for 10 and 30 ml Syringes, Items 98192, 98193

The Loctite® Manual Plunger (98192) is a plastic plunger for use with 10 ml syringes (2 pack). The Loctite® Manual Plunger (98193) is a plastic plunger for use with 30 ml syringes (3 pack).

Theory of Operation

Place the front end of the plunger into the back of the syringe. Dispense product by manually pushing the back of the plunger.

Typical Fluids Handled

Loctite® brand Adhesives packaged in 10 ml and 30 ml syringes (including pre-packaged syringes with 25 ml fill).



Loctite® 30 ml Manual Syringe Applicator, Item 98026

The Loctite® 30 ml Manual Syringe Applicator is a hand held, manually operated applicator, for use with any product package in a standard 30 ml syringe. This applicator provides a convenient, cost-effective method to apply product.

Features

- Pistol configuration for ease of application
- Full-hand trigger minimizes operator fatigue
- Easy syringe loading
- Smooth dispensing

Typical Fluids Handled

Any product package in a standard 30 ml syringe (including pre-packaged syringes with 25 ml net fill).

List of Loctite® Brand Parts Supplied

- (1) 30 ml Manual Syringe Applicator
- (1) Manual



Additional Information

For Spare Parts and Accessories, see pages 55-56.

For Dispense Tips, see page 54.

Loctite® 1 Liter Collapsible Bottle Holder, Item 98311

The Loctite® 1 Liter Collapsible Bottle Holder is a lightweight holder designed to facilitate the transfer of anaerobics from our 1 liter collapsible containers. Its nickel plated steel construction is rugged and durable. It resists corroding from moisture and adhesive build-up allowing repeated use.

Typical Fluids Handled

All packaged in 1liter collapsible bottles

List of Loctite® Brand Parts Supplied

(1) 1 Liter Collapsible Bottle Holder

Technical Specifications

Size: 6.25" H x 5.25" W x 7" D

Weight: .25 lbs.



Loctite® Caulking Gun Converters for 50 ml Dual Cartridges, Items 983445, 98415

The Loctite® Caulking Gun Converters provide an inexpensive means of converting a household caulking gun into a hand held meter-mix dispenser. Simply insert the converter into a household caulking gun, and you're ready to go. An ideal approach for the occasional user of 1:1, 2:1 and 10:1 ratio 2-part adhesives. Order Item 983445 for 1:1 or 2:1 ratio adhesives. Order 98414 for 10:1 ratio adhesives. Not recommended for high demand production line applications.

Typical Fluids Handled

Loctite® brand 2-part Epoxies and Acrylics packaged in 50 ml dual cartridges.

List of Loctite® Brand Parts Supplied

983445

- (1) Caulking Gun Converter
- (1) 1:1 ratio Plunger
- (1) 2:1 ratio Plunger
- (1) Instruction Sheet
- (2) 50 ml Static Mix Nozzles (1:1, 2:1)

98415

- (1) Caulking Gun Converter
- (1) 10:1 ratio Plunger
- (1) Instruction Sheet
- (2) 50 ml Static Mix Nozzles (10:1)



Additional Information

For Static Mix Nozzles and Accessories, see page 19.

Loctite® Soft-Squeeze Bottles

Loctite® brand Soft-Squeeze Dispense Bottles are intended for use by customers who wish to download Loctite® brand cyanoacrylate adhesives from large containers to smaller, hand held packages. These soft, thin walled polyethylene bottles are ideal for use at manual workstations. A variety of bottle sizes and cap styles are available. Bottles, caps, and dispense tips are sold separately.

Typical Fluids Handled

All low to medium viscosity.

Technical Specifications

Size: 98345 3.5" H x 1.5" Dia.

98346 4.5" H x 2" Dia.

98347 5.5" H x 2.5" Dia.

	Product	Item #	Description
		98345	2 oz. Soft-Squeeze Bottle (50 pack)
		98346	4 oz. Soft-Squeeze Bottle (50 pack)
		98347	8 oz. Soft-Squeeze Bottle (50 pack)
		98348	Dunce Cap with red sealer cap, for 2 oz. bottle (50 pack)
		98349	Dunce Cap with red sealer cap, for 4 oz. and 8 oz. bottles (50 pack)
		98350	Luer-Slip Cap for 2 oz. bottle (50 pack)
		98351	Luer-Slip Cap for 4 oz. and 8 oz. bottles (50 pack)

Loctite® 50 ml Dual Cartridge Manual Applicator, Item 983531

The Loctite® 50 ml Dual Cartridge Manual Applicator is a hand held, manually operated meter-mix dispenser. This dispenser provides a convenient, cost-effective method of applying product with minimal waste. The dispensers are compatible with 1:1 and 2:1 ratio products, and optional plungers are available for dispensing 4:1 and 10:1 ratio products. Mix nozzles are sold separately.

Typical Fluids Handled

Loctite® brand 2-part Epoxies and Acrylics packaged in 50 ml dual cartridge syringes.

List of Loctite® Brand Parts Supplied

(1) 50 ml Dual Cartridge Manual Applicator (1) 1:1 Plunger
(1) Manual (1) 2:1 Plunger

Loctite® Brand Options

984209 4:1 Plunger
986086 10:1 Plunger



Loctite® Brand Replacement Plungers

983533 1:1 ratio
983534 2:1 ratio

Additional Information

For Static Mix Nozzles and Accessories, see page 19.

Loctite® 50 ml Dual Cartridge Pneumatic Applicator, Item 97042

The Loctite® 50 ml Dual Cartridge Pneumatic Applicator is a hand held pneumatically operated dispenser. It provides a convenient, cost-effective method for the consistent application of two-part adhesives with minimal effort and waste. The applicator accepts 50 ml dual cartridges with 1:1 and 2:1 mix ratios. The applicator is equipped with a thumb wheel pressure regulator to control application rate.

Features

- Lightweight, well balanced design for easy use
- Pneumatic assist assures reduced operator fatigue and consistent adhesive application
- Integrated Air Pressure Regulator
- Convenient 8 position thumb wheel pressure adjustment to control dispense rate
- Quick acting trigger insures precise bead control and minimizes product waste
- Versatile cartridge holder accepts dual 50 ml cartridges with 1:1 and 2:1 ratios

Theory of Operation

Pneumatic air pressure is applied by pulling the trigger switch. This causes the dual pistons to move forward, discharging both adhesive components of the cartridge at the same rate. The adhesive is mixed as it travels through a static mix nozzle (available separately) to the working surface. The rate of adhesive application can be adjusted by changing air pressure using the 8-position thumb wheel below the trigger.

Typical Fluids Handled

All 2-part Loctite® brand adhesives in dual 50 ml cartridges.



Technical Specifications

Size: 11.5" L x 7.5" H x 2.3" D
292 mm L x 191 mm H x 58 mm D
Weight: 1.6 lbs. (725 g)
Air Supply: Minimum – 30 psi (4.8 bar)
Maximum – 125 psi (8 bar)
Air Supply Fitting: ¼" NPT male

List of Loctite® Brand Parts Supplied

(1) 50 ml Dual Cartridge Pneumatic Applicator
(1) Manual

Additional Information

For Static Mix Nozzles and Accessories, see page 19.

Loctite® 200 ml and 400 ml Dual Cartridge Manual Applicators, Items 983436, 983438, 985246

The Loctite® 200 ml and 400 ml Dual Cartridge Manual Applicators are hand held, manually operated meter-mix dispensers. Ideally suited for production line applications, these applicators provide a convenient, cost-effective method of applying product with minimal waste. These applicators are available for 1:1, 2:1, and 10:1 mix ratio products. A converter kit is also available for the 400 ml applicator to accommodate 4:1 mix ratio products (see part numbers below). Mix nozzles are sold separately.

Typical Fluids Handled

Loctite® brand 2-Part Adhesives packaged in 200 ml and 400 ml dual cartridges.

List of Applicators

983436 Loctite® 200 ml Dual Cartridge Manual Applicator, 1:1 and 2:1 ratios
983438 Loctite® 400 ml Dual Cartridge Manual Applicator, 1:1 and 2:1 ratios
985246 Loctite® 400 ml Dual Cartridge Manual Applicator, 10:1 ratio



Options

984211 Loctite® 4:1 Conversion Kit

Additional Information

For Static Mix Nozzles and Accessories, see page 19.

Loctite® 200 ml and 400 ml Dual Cartridge Pneumatic Applicators, Items 983437, 983439, 985249

The Loctite® 200 ml and 400 ml Dual Cartridge Pneumatic Applicators are hand held, pneumatically operated meter-mix dispensers. Ideally suited for production line applications, these applicators provide a convenient, cost-effective method for applying product with minimal waste. The adjustable dispense rate is set via the integral air pressure regulator. The applicators are available for 1:1, 2:1, and 10:1 mix ratio products. A converter kit is also available for the 400 ml applicator to accommodate 4:1 mix ratio products (see part numbers below). Mix nozzles are sold separately.

Typical Fluids Handled

Loctite® brand 2-Part Adhesives packaged in 200 ml and 400 ml dual cartridges.

List of Applicators

983437	Loctite® 200 ml Dual Cartridge Pneumatic Applicator, 1:1 and 2:1 ratios
983439	Loctite® 400 ml Dual Cartridge Pneumatic Applicator, 1:1 and 2:1 ratios
985249	Loctite® 400 ml Dual Cartridge Pneumatic Applicator, 10:1 ratio



Technical Specifications

Air Pressure Supply: 125 psi (8.5 bar) maximum

Options

984210 Loctite® 4:1 Conversion Kit

Additional Information

For Static Mix Nozzles and Accessories, see page 19.

Loctite® Universal Metal Dispenser, Item 985245

The Loctite® Universal Metal Dispenser is a hand held, manually operated dispensing gun designed for use with two-component adhesives packaged in 200 ml and 400 ml dual cartridges. The dispenser is capable of handling cartridges with 1:1, 2:1, 4:1, and 10:1 mix ratios. This tool is ideally suited for users with a need to occasionally dispense an assortment of mix ratios or package sizes. Mix nozzles sold separately.

Features

- Accepts 200 ml and 400 ml two-component cartridges
- Mix ratios of 1:1, 2:1, 4:1, and 10:1
- Dispenses low, medium, and high viscosity materials
- Interchangeable plunger buttons allow application of all mix ratios

Theory of Operation

Depress the thumb lever on the back of the dispenser and pull the plunger back. Insert the cartridge, equipped with a static mix nozzle, and push the plunger forward until it's seated onto the cartridge. Dispense product by squeezing the trigger. Dispense ratios are varied by changing the plunger buttons supplied with the tool.



Typical Fluids Handled

Loctite® brand Two Component Adhesives packaged in 200 ml and 400 ml dual cartridges

Additional Information

For Static Mix Nozzles and Accessories, see page 19.

Loctite® Fixmaster® Rapid Rubber Repair Dispenser, Item 39635

The Loctite® Fixmaster® Rapid Rubber Repair Dispenser is a hand held, manually operated dispensing gun designed specifically for use with Loctite® Fixmaster® Rapid Rubber Repair, a two component adhesive packaged in 400 ml cartridges.

Features

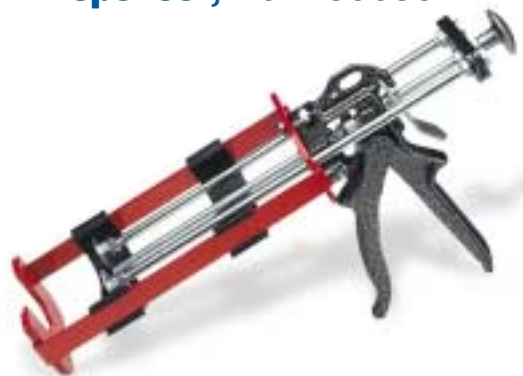
- Wide front opening to fit specific cartridges
- Dedicated 1:1 Mix Ratio
- 200 ml x 200 ml Dual Cartridges
- Bottom support straps provide secure cartridge location within frame
- Ability to handle high viscosity materials

Theory of Operation

Depress the thumb lever on the back of the dispenser and pull the plungers back. Insert the cartridge, equipped with a static mix nozzle, and push the plungers forward until they seat onto the cartridge. Dispense product by squeezing the trigger.

Typical Fluids Handled

Loctite® Fixmaster® Rapid Rubber Repair (400 ml cartridges)






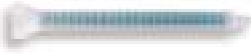












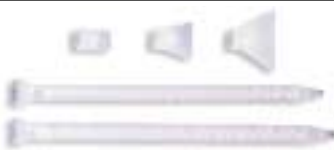


Additional Information

For Spare Parts and Accessories, see pages 55-56.

For Static Mix Nozzles and Accessories, see page 19.

Loctite® Brand Static Mix Nozzles and Accessories

PRODUCT	ITEM #	PACKAGE	DESCRIPTION
	984569	10 pk	50 ml Square Mix Nozzle, Luer/Stepped Combo Tip, 4.5" Overall Length, 5.3 mm sq., 24 elements, 1:1, 2:1, 4:1 mix ratios.
	983440	10 pk	50 ml Mix Nozzle, Luer Tip, 6.0" Overall Length, 6.3 mm dia., 20 elements, 1:1, 2:1, 4:1 mix ratios
	983441 985599	10 pk 4000 pk	50 ml Mix Nozzle, Stepped Tip, 6.0" Overall Length, 6.3 mm dia., 20 1:1, 2:1, 4:1 mix ratios.
	986087	10 pk	50 ml Mix Nozzle, Stepped Tip, Keyed, 5.9" Overall Length, 5.4 mm dia., 28 elements, 10:1 mix ratio.
	98373 98374	10 pk 1000 pk	200/400 ml Square Mix Nozzle, Luer/Stepped Combo Tip, 5.0" Overall 5.3 mm sq., 24 elements. 1:1, 2:1, 4:1 mix ratios.
	984570	10 pk	200/400 ml Square Mix Nozzle, Stepped Tip, 5.1" Overall Length, 7.5 dia., 24 elements, 1:1, 2:1 mix ratios.
	983442	10 pk	200/400 ml Mix Nozzle, Stepped Tip, 7.3" Overall Length, 6.3 mm dia., 24 elements, 1:1, 2:1 mix ratios.
	983443 987527	10 pk 1500 pk	200/400 ml Mix Nozzle, Stepped Tip, 8.8" Overall Length, 8 mm dia., 24 elements, 1:1, 2:1 mix ratios.
	985247	10 pk	200/400 ml Mix Nozzle, Stepped Tip, 10.8" Overall Length, 10 mm dia., 24 elements, 1:1, 2:1 mix ratios.
	985248	10 pk	200/400 ml Mix Nozzle, Stepped Tip, Keyed, 9.1" Overall Length, 8 mm dia., 24 elements, 4:1, 10:1 mix ratios.
	985545 98409	10 pk 1000 pk	200/400 ml Mix Nozzle, Stepped Tip, Keyed, 10.8" Overall Length, 10 mm dia., 24 elements, 4:1, 10:1 mix ratios.
	983444	10 pk	Luer-Lok Adapter for 6.3 and 8 mm stepped tip Mix Nozzles, Allows for Dispense Needle Attachment. Mix Nozzles and Dispense Needles sold separately.
	985658 98410	10 pk 500 pk	12 mm Ribbon Tip. Tip Orifice: 12 mm x 2.4 mm. For use with Snap Tip Mix Nozzles.
	985659 98411	10 pk 500 pk	25 mm Ribbon Tip. Tip Orifice: 25 mm x 2.4 mm. For use with Snap Tip Mix Nozzles.
	985660 98412	10 pk 500 pk	43 mm Ribbon Tip. Tip Orifice: 43 mm x 2.4 mm. For use with Snap Tip Mix Nozzles.
	985661	10 pk	200/400 ml Snap Tip Mix Nozzle, 8 mm diameter. 8.9" overall length, 24 elements, 1:1, 2:1 mix ratios. For use with Ribbon Tips.
	985662	10 pk 1000 pk	200/400 ml Snap Tip Mix Nozzle, 9.3 mm dia., 9.3" overall length, 24 elements 1:1, 2:1 mix ratios. For use with Ribbon Tips.
	98344	10 pk	Ribbon Tip Adapter, allows Ribbon Tip use with 10 mm mix nozzles 98409 and 985545. Ribbon Tips and Mix Nozzles sold separately.
	985709	24 pcs.	Snap Tip Mix Nozzle and Ribbon Tip Sample Kit. Contains: 6 pcs. each of: 12, 25, and 43 mm Ribbon Tips 3 pcs. each of: 8 and 9.3 mm dia. Snap Tip Mix Nozzles