



NovaSeal™ Crimping Tools

Securely seal and separate single-use tubing

Maintain a sterile fluid path

The unique NovaSeal™ crimping tool seals and separates a pinch-piped tube in one simple motion. This pinch-pipe/tube combination, along with the crimping tool, enables a leak free disconnection of your single-use assembly. NovaSeal™ ensures that sterility is maintained and that the fluid is securely protected from the outside environment at all times.

The patented design of the crimping tool seals and separates the flow path as the pinch-pipe is crimped and cut, enabling the sterile separation of tubing. As part of the Mobius® family of single-use bioprocessing technologies, NovaSeal™ technology enables easy and secure separation of tubing in single-use assemblies.

The right tool, the right size

NovaSeal™ crimpers are offered in 2 sizes; the manual crimping tool for 3mm x 6mm OD tubing and the battery-powered crimping tool for use on 1/4-inch, 3/8-inch, and 1/2-inch ID tubing with a wall thickness of 1/8-inch.



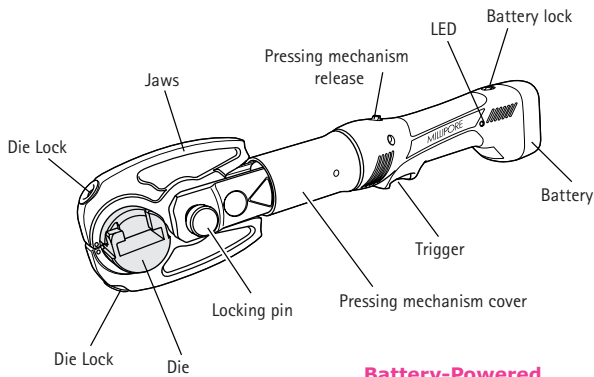
Benefits

- Sterility assurance is maintained
- Quickly seals silicone and thermoplastic elastomer tubing
- Light weight and portable device
- Fast and efficient cycle time
- Compatible with a variety of silicone and TPE tubing
*refer to validation guide

Easy to use

In one motion, the tube of your single-use assembly can be crimped to ensure a leak free and sterile seal then cut to disconnect the tubing.

1. Place the tubing with metallic pinch-pipe into the die of the tool.
2. Squeeze the trigger switch on the handle of the tool to complete the crimp and cut cycle.
3. Remove the sealed tube from the jaw set.



Battery-Powered Crimping Tool

Battery-Powered Crimping Tool

Dimensions

Weight 2.5 kg (5.5 lbs)

Materials of Construction

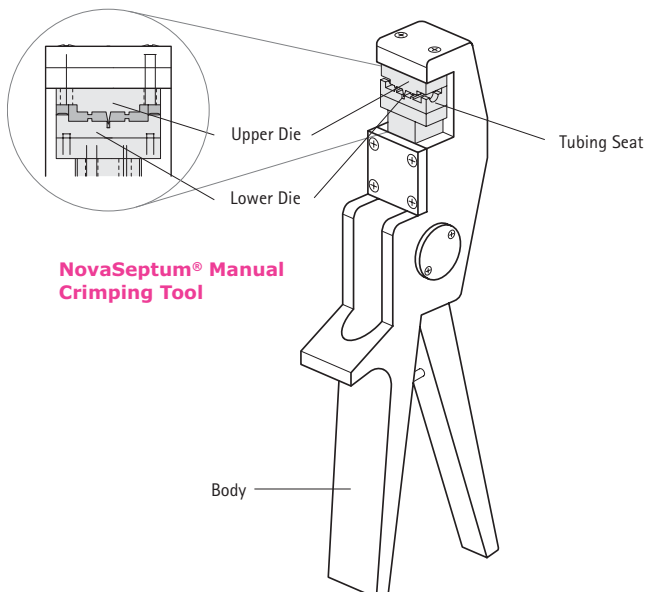
Body	Polyamide
Crimping jaws	Nickel-plated steel
Crimp and cut die	Nickel-plated steel
Screws and bearings	Stainless steel

Cycle Time	approximately 4 seconds
Thrust Force	15 kN
Battery Voltage	10.8V
Battery Charging Time	approximately 40 minutes
Cycles per charge	100-150
Operating Temperature Range	5 to 50 °C
Sound Level	70.6 dB (A) at a distance of 1 m
Vibrations	< 2.5 m ²

Manual Crimping Tool

Materials of Construction

Body	Aluminum
Lower die	Steel with hardened special surface treatment
Upper die	Steel with hardened special surface treatment
Screws and bearings	Stainless steel



NovaSeptum® Manual Crimping Tool

Ordering Information

NovaSeal™ Battery-Powered Crimping Tool Kit

Battery-Powered crimping tool

100–120 V US and Japan plug	NM0043
220–240 V Europe plug	NM0044
220–240 V UK plug	NM0045

Battery chargers

100–120 V US and Japan plug 10.8 V Li-Ion	NM0046
220–240 V Europe plug 10.8 V Li-Ion	NM0047
220–240 V UK plug 10.8 V Li-Ion	NM0048
100–120 V US and Japan plug 9.6 V NiMH	NM0028
220–240 V Europe plug 9.6 V NiMH	NM0027
220–240 V UK plug 9.6 V NiMH	NM0037

Die (ID x OD)

1/4 in. x 1/2 in.	NM0021
3/8 in. x 5/8 in.	NM0022
1/2 in. x 3/4 in.	NM0023

Jaw Assembly

Extra/replacement battery, 10.8 V Li-Ion	NM0042
Extra/replacement battery, 9.6 V NiMH	NM0024

Pinch pipes in packages of 100 (ID x OD)

1/4 in. x 1/2 in.	NM0001PK100
3/8 in. x 5/8 in.	NM0019PK100
1/2 in. x 3/4 in.	NM0002PK100

Silicone end cover pinch pipes in packages of 200 (ID x OD)

1/4 in. x 1/2 in.	NM0039
3/8 in. x 5/8 in.	NM0041
1/2 in. x 3/4 in.	NM0040

Tube with Pinch Pipes for Tool Set Up and Demos

Ten 6 inch silicone tubes per package with three pinch pipes per tube

1/4 in. x 1/2 in.	MCA0000L777A05
3/8 in. x 5/8 in.	MCA0000L783A05
1/2 in. x 3/4 in.	MCA0000L784A05

NovaSeal™ Manual Crimping Tool

Manual Crimping Tool 3 x 6 mm (ID x OD) tubing ¹	A100
Manual Crimper Spare parts kit (check after 500 uses)	A104
<ul style="list-style-type: none"> • 1 tube with pinch pipe for testing • 1 upper and lower cutting tool 	
Pinch pipe, 3 x 6 mm	NS6-15-05PK100

¹Manual tool comes with 1 extra upper crimping tool

Pre-mounted metallic pinch pipes must be specified when ordering your disposable assembly



Battery-Powered Crimping Tool Kit

Tool kit includes the crimping tool, battery, charger, and jaw assembly. Die is not included.



NovaSeal™ crimping tool dies and pinch pipes



Crimped pinch pipes with silicon covers



Manual Crimping Tool

For additional information, please visit
[MerckMillipore.com](https://www.MerckMillipore.com)

To place an order or receive technical
assistance, please visit
[MerckMillipore.com/contactPS](https://www.MerckMillipore.com/contactPS)

Merck KGaA
Frankfurter Strasse 250
64293 Darmstadt, Germany

