



# 2020/21



Dispensing Solutions for Sealants, Silicones, RTVs, Gels, Compounds, Resins

https://www.adhesivedispensing.co.uk

# **Sealant Cartridge Manual Applicator Guns**

## **AD16 Series Manual Cartridge Guns**

Aluminium and Steel, Threaded Retainer



#### **Features**

- Portable
- Requires no air or power supply
- Available in a wide range of sizes
- Lightweight
- Rugged, heavy gauge metal construction
- Easy to operate
- Dispenses a wide range of sealants & adhesives
- Handles thick, viscous materials
- Ideal for aerospace grade sealants

Lightweight manual cartridge applicator guns in sizes 2.5oz (75cc), 6oz (177cc), 8oz (237cc), 10oz (310ml), 12oz (355cc) and 20oz (591cc). Metal handle to threaded steel sleeve retainer. This gun is used with all industry standard dispensing cartridges including Techkits and Semkits as well as pre-filled silicone caulk tubes.

Part Code Description	
AD16-25 2.5oz (75cc/ml) Applicator Gun	
AD16-60 6oz (177cc/ml) Applicator Gun	
AD16-80 8oz (237cc/ml) Applicator Gun	
AD16-110 10oz (310cc/ml) Applicator Gur	ı
AD16-120 12oz (355cc/ml) Applicator Gur	ı
AD16-20 20oz (591cc/ml) Applicator Gur	





The AD16 gun is a hand operated, high quality metal dispensing gun designed to accept cartridges for the manual application of sealants, adhesives, potting compounds, and other materials packaged in disposable cartridges or Techkit, Semkit multi-component materials. They are excellent for the in-field application of most silicones, sealants, adhesives, pastes, and other materials. The ratchet handle is made of metal for tough, durable, long-term use.

A threaded retainer sleeve provides a tight fit into the ratchet handle, permitting uninterrupted operation. Custom size retainers accommodate 2.5, 6, 8, 10 and 12 ounce size disposable cartridges. Cartridges allow use of standard nozzles. Needle tip adapters can also be used with the cartridges for attachment of all standard needle tips.

Filled cartridges are inserted into the cartridge gun threaded metal retainer. This ensures the cartridge does not move under constant use from hand pressure. Available in 6 sizes, 2.5oz, 6oz, 8oz, 10oz, 12oz and 20oz. All of our products are industrial grade and are covered by our no-quibble One Year warranty.

The guns are robust and handle most liquids and pastes dispensed from them. Order just the gun only or with kits that included (10) each of the compatible size dispensing cartridges, plungers, caps and nozzles.

General Use: Guns are portable and can be used in a factory production or in an assembly department as well as for repair and re-work. Guns are commonly used in the field for repair or maintenance applications..

Common Applications: Dots and beads of solder paste, Aerospace sealant application, dots and beads of solder flux, grease to bearings, PVA glue to furniture joints, RTV to seal seams, silicone dots to bond products, Gasket sealant repair, shots of roach insecticides, general adhesive applications. AD16 guns have a Commodity Tariff Code 82055980.

Part Code

TS120C-GREEN

TS20C-BLACK

Dort Code

TS20C

TS32C

#### **Cartridges**

Supplied in sealed packs with labels and batch codes



Disposable plastic cartridges are available in 2.5, 6, 8, 10, 12, 20 and 32 oz. (approximate metric value 75, 177, 237, 310 355, 591, 960cc). Available in high-density natural polyethylene (HDPE) which is more rigid plastic and low density polyethylene (LDPE) which is a softer grade plastic.

All sizes are fitted with a 1/4" NPT (6mm) female thread dispensing orifice for leak free nozzle or fitting attachment. Standard natural or other colours - black for UV cure.

# **Cartridge Plungers**

Supplied in sealed packs with labels and batch codes



Cartridge plungers ensure that the pressure is evenly spread across the fluid surface to provide consistent dispensing. Wiping edges prevent dripping and eliminate material waste by wiping the cartridge walls clean, as fluid is dispensed. The plunger is inserted into the cartridge once filled (or pre-inserted when bottom filling) and it moves down the inner walls under pressure to ensure all liquid material is dispensed without waste.

Plungers can be used at pressures up to 100psi, for example when used with a pneumatic cartridge gun system. Dispensing without a plunger inserted can result in unreliable dispensing deposits, as the supplied air pressure can become trapped inside the fluid, resulting in void pockets. In addition, moisture found in the air, can affect the properties of the fluid.

All plungers are industry compliant silicone and chloride free, low friction polyethylene. Supplied in sealed and labelled packs.

Fait Code	Description
TS25C	2.5oz (75cc/ml) HDPE Natural
TS25C-LD	2.5oz (75cc/ml) LDPE Natural
TS25C-GREEN	2.5oz (75cc/ml) HDPE Green
TS60C	6oz (177cc/ml) HDPE Natural
TS60C-LD	6oz (177cc/ml) LDPE Natural
TS60C-BLACK	6oz (177cc/ml) HDPE Black
TS60C-GREEN	6oz (177cc/ml) HDPE Green
TS80C	8oz (237cc/ml) HDPE Natural
TS80C-LD	8oz (237cc/ml) LDPE Natural
TS110C	10oz (310cc/ml) HDPE Natural
TS110C-LD	10oz (310cc/ml) LDPE Natural
TS110C-BLACK	10oz (310cc/ml) HDPE Black
TS120C	12oz (355cc/ml) HDPE Natural
TS120C-LD	12oz (355cc/ml) LDPE Natural
TS120C-BLACK	12oz (355cc/ml) HDPE Black
	TS25C TS25C-LD TS25C-GREEN TS60C TS60C-LD TS60C-BLACK TS60C-GREEN TS80C TS80C-LD TS110C TS110C TS110C-LD TS110C-BLACK TS120C TS120C-LD

12oz (355cc/ml) HDPE Green

20oz (591cc/ml) HDPE Natural

32oz (960cc/ml) HDPE Natural

20oz (591cc/ml) HDPE Black

Description

"Cartridges can be used with manual, pneumatic & battery powered applicators".



Part Code	Description
TS1WP	Natural LDPE Plunger
	For 2.5, 6, 8 and 12oz Cartridges
TS1PB	Black LDPE Plunger
	For 2.5, 6, 8 and 12oz Cartridges
TS1P	Blue LDPE Plunger
	For 2.5, 6, 8 and 12oz Cartridges
TS1WP-RIB	Natural MDPE Plunger
	For 2.5, 6, 8 and 12oz Cartridges
TS2P	White MDPE Plunger
	For 10oz (310ml) Cartridges
TS2PW-1000	Natural MDPE Plunger
	For 10oz (310ml) Cartridges
TS2P-BLACK	Black MDPE Plunger
	For 10oz (310ml) Cartridges
TS20P	White MDPE Plunger
	For 20 and 32oz Cartridges
TS20P-LD	Natural LDPE Plunger
	For 20 and 32oz Cartridges
229221	Natural LDPE Plunger
	For 20 and 32oz Cartridges

\* Plungers are available in sealed packs of 10, 500 or 1000 pieces. Optional cartridge/ plunger kits are available that include the same number of parts in the same pack. Also, some cartridges are available with plungers supplied preinserted and ready for filling.

"A good combination is to use HDPE cartridges with LDPE plungers or vice versa".



# **Cartridges/ Plunger Kits**

Supplied in sealed packs with labels and batch codes



Cartridges and plungers supplied in the same kit. Suppled as separate cartridges and plungers or certain options for the plungers to be supplied pre-inserted in the cartridge ready for filling.

# Cartridge Tip Caps & End Flange Caps

Supplied in sealed packs with labels and batch codes



Description
2.5oz HDPE Natural Cartridge with TS1PB Black Plunger
2.5oz HDPE Natural Cartridge with TS1P Blue Plunger
2.5oz LDPE Natural Cartridge with TS1P Blue Plunger
2.5oz LDPE Natural Cartridge with TS1PB Black Plunger
2.5oz LDPE Natural Cartridge with TS1PB Black Plunger Pre-inserted
2.5oz HDPE Natural Cartridge with
TS1WP Natural Plunger 6oz HDPE Natural Cartridge with
TS1PB Black Plunger 6oz HDPE Natural Cartridge with
TS1WP-RIB Clear Plunger 6oz HDPE Natural Cartridge with
TS1P Blue Plunger 6oz LDPE Natural Cartridge with
TS1P Blue Plunger
8oz HDPE Natural Cartridge with TS1PB Black Plunger
10oz HDPE Natural Cartridge with
TS2PB Black Plunger  10oz HDPE Natural Cartridge with
TS2P White Plunger Pre-Inserted 12oz HDPE Natural Cartridge with
TS1PB Black Plunger 12oz HDPE Natural Cartridge with

## Tip Caps

Part ID: TS3P Colour: Red Part ID: AD6P Colour: Red Part ID: AD6PB Colour: Blue

## **End Flange Caps**

TS1PB Black Plunger

Part ID: TS2C 2.5oz, 6oz, 8oz, 12oz Part ID: TS4C 10oz Only Part ID: TS6C 20oz, 32oz

"Tip caps and end caps are fully reusable".



Cartridges feature a 1/4" NPT (6mm) female thread dispensing orifice and can be sealed using red or blue tip cap. These allow a leak free seal for cartridge filling and shipping. Red end flange caps push over the top lip of the cartridge to seal. All parts are made from polyethylene. Supplied in sealed and labelled packs.

# Luer Lock Tip Adapter Fittings Supplied in sealed packs (1) part.





#### Part ID: TSD931-7PK

Material: Polypro Thread: 1/4" NPT Male Hole Outlet: 4mm Colour: White Outlet: Male Luer Lock

Outlet: Male Luer Lock Max. Pressure: 100 PSI

#### Part ID: TSD931-7M

Material: Nickel Brass Thread: 1/4" NPT Male Hole Outlet: 4mm Colour: Silver

Outlet: Male Luer Lock Max Pressure: 100 PSI

Tip adapters convert the outlet of all cartridges allowing the use of all luer lock precision tips and fittings. Thread size of 1/4" NPT. Available in polypropylene or metal.

#### **Cartridge Nozzles**

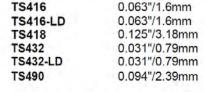
Supplied in sealed packs with labels and batch codes

# Dispense Nozzles

#### 2.5"/63.5mm length Orifice

TS216 0.063"/1.6mm TS218 0.125"/3.18mm TS218-LD 0.125"/3.18mm

#### 4"/101.6mm length



#### 6" length/152.4mm



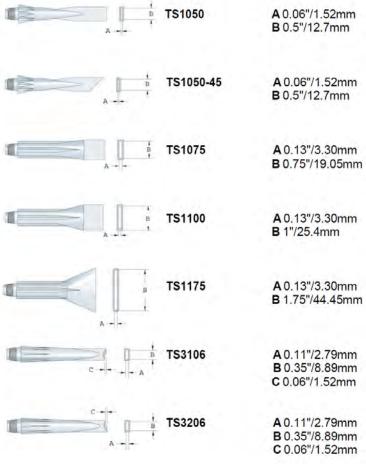


#### **Metal Nozzles**

Supplied in sealed packs with labels and batch codes



## Specialty



Industrial grade nozzles for use with dispensing cartridges. All feature a 1/4" NPT industry thread for secure attachment to cartridges. Made from silicone-free safe plastics. Use nozzles for applying most glues, adhesives, pastes, gels, greases, silicones, sealants, epoxies and other assembly fluids. Supplied in sealed packs of 10, 500 or 1000 pieces.

Part Code	Description
AD7SS-1.5	7G, ID: 3.81mm, OD: 4.45mm
AD8SS-1.5	8G, ID: 3.28mm, OD: 4.04mm
AD10SS-1.5	10G, ID: 2.69mm, OD: 3.40mm
AD12SS-1.5	12G, ID: 2.18mm, OD: 2.77mm
AD14SS-1.5	14G, ID: 1.64mm, OD: 2.10mm
AD16SS-1.5	16G, ID: 1.20mm, OD: 1.65mm

Precision machined metal nozzles with a 1/4" thread for use with all cartridges. Choice of blunt need gauge size. All are 1.5" long tubes. Supplied (each). Nickel brass hub to stainless steel cannula.

"We build these metal nozzles to order. 1.5" long tubes are held in stock but any custom length tube can be made".



### **Precision General Purpose Dispensing Tips**

Supplied in sealed boxes of (50) tips



The TE needle series consist of a stainless-steel shaft with a double helix polypropylene hub. This premier line of dispensing needles is burr-free, and electro-polished shaft for unobstructed and consistent material flow. In addition they are silicone and chloride free.

Details listed here are for our standard 0.5" Long (12.7mm). Also available in tube lengths of 0.25", 1.0", 1.5" and 2.0".

# **Smooth Flow Tapered Dispensing Tips**

Supplied in sealed boxes of (50) tips



Tapered tips are typically used with gels because the smooth flow design allows materials to travel with less restriction. All tips are burr-free and provide high levels of consistency from tip to tip.

#### **Aluminium Hub Dispensing Tips**

Supplied in sealed boxes of (50) tips



Aluminium hub tips improve the application of aggressive fluids and solvents. The soldered aluminium hub and stainless steel shaft will withstand the chemicals.





## Part Code Description

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"The design of taper tips reduces back pressure when dispensing very thick pastes".

## Part Code Description

AD14TT	14GA, Olive, 1.55mm ID, Stiff Plastic
AD16TT	16GA, Grey, 1.19mm ID, Stiff Plastic
AD18TT	18GA, Green, 0.84mm ID, Stiff Plastic
AD20TT	20GA, Pink. 0.61mm ID, Stiff Plastic
AD22TT	22GA, Blue, 0.41mm ID, Stiff Plastic
AD25TT	25GA, Red, 0.25mm ID, Stiff Plastic
AD27TT	27GA, Clear, 0.20mm ID, Stiff Plastic
TN27E	27GA, Orange, 0.20mm ID, Stiff Plastic
AD30TT	30GA, Lavender, 0.10mm ID, Stiff Plastic
AD34TT	34GA, Lime, 0.08mm ID, Stiff Plastic



"Another useful tip for aggressive solvents are our TSS all-metal types - on our website".

# Part Code Description

TS14-1/2MPK	14GA, 1.55mm ID, 182mm OD, 0.5" Long
TS14-1MPK	14GA, 1.55mm ID, 182mm OD, 1.0" Long
TS14-2MPK	14GA, 1.55mm ID, 182mm OD, 2.0" Long
TS15-1/2MPK	15GA, 1.37mm ID, 1.69mm OD, 0.5" Long
	15GA, 1.37mm ID, 1.69mm OD, 1.0" Long
TS15-15MPK	15GA, 1.37mm ID, 1.69mm OD, 1.5" Long
TS16-1MPK	16GA, 1.19mm ID, 1.45mm OD, 1.0" Long
TS18-1/2MPK	18GA, 0.84mm ID, 1.27mm OD, 0.5" Long
TS20-1/2MPK	20GA. 0.71mm ID, 1.14mm OD, 0.5" Long
TS22-1/2MPK	22GA, 0.41mm ID, 0.71mm OD, 0.5" Long

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