

310ml Euro Cartridge Solutions

Dispensing tools and accessories for 310ml and caulk tube sealant cartridges

310ml Cartridge Retainer

Technical Information

The ADL pneumatic dispensing retainer tools are designed to accommodate all standard 310ml Euro (1/10 Gallon size) sealant cartridges. The useful accessories provide total control of line or dot deposits and can withstand up to 6.9 bar (100 psi) material pressure. Each kit is metal body sleeve and air cap with gasket. All cartridge retainers are shipped complete with a 1 metre airline hose and quick connector to attach to any air-powered dispenser.

Dispensing Accessories



310ml Retainer System

Complete Black Metal 310ml Retainer With Cap:	AD-100Z
Replacement Rubber Cap Gasket:	AD-10G
Replacement 1M Air Hose:	AD918-000-002S
Replacement Air Hose Push Fitting:	TSD1006-1/8
Replacement Dispenser Quick Connect Fitting:	AD533B



310ml Cartridge to Nozzle Adapter Fittings

Stainless Steel Fitting 310ml Euro to 1/4" NPT Thread:	AD931-296SS
White Acetal Fitting 310ml Euro to 1/4" NPT Thread:	AD931-296
Black Acetal Fitting 310ml Euro to 1/4" NPT Thread:	AD562317
White PE Disc Fitting 310ml Euro to 1/4" NPT Thread:	229306

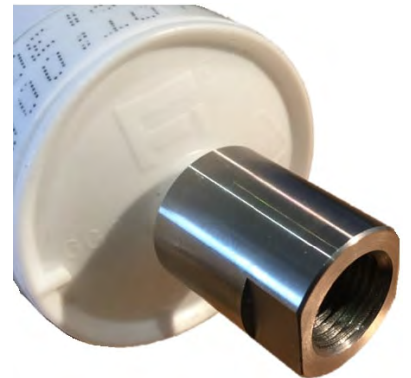
Using a Cartridge Nozzle Adapter Fitting



Step 1 - Slice off the sealed nipple end of cartridge



Step 2 - Thread on the nozzle adapter either Acetal version **AD931-296** or use Stainless Steel version **AD931-296SS**



Dispensing with Nozzles



Thread on any **TS series dispense nozzle** using the 1/4" NPT nozzle thread into the fitting



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Dispensing with Luer Lock Tips



Attach tip adapter fitting **AD931-7**, **AD931-14** or **AD931-7M**



AD931-7M is a metal fitting

Syringe Barrel Filling Options



Attach adapters **TSD918-3** (Clear Elbow), **AD931-15** (Black Female Luer Lock Fitting) and twist-on empty syringe barrel



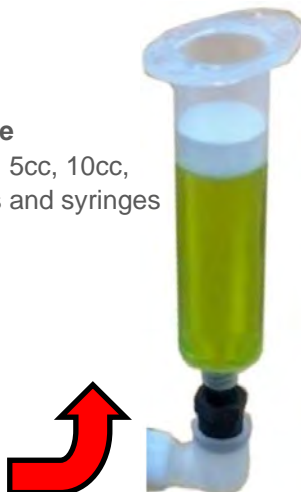
AD931-15M is a Metal Female Luer Lock Fitting



TSD918-3 Elbow Fitting 1/4" NPT male thread to 1/4" NPT female thread

Barrel Filling Example

Fill options are for 3cc, 5cc, 10cc, 30cc, and 55cc barrels and syringes



Straight Flow or Elbow.

Material can be transferred at an angle (left) when using elbow fitting TSD918-3 or straight flow transfer without (above).

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Using the 310ml Euro Cartridge Retainer

Dispensing Accessories



Step 4 - push in 6mm air hose to fitting on air cap.
 Step 5 - attach quick connect fitting on air hose to dispenser.
 Step 6 - cut 310ml Euro Cartridge nozzle thread.
 Step 7 - use fittings for nozzles, luer tips or barrel filling.

Step 1 - unscrew threaded air cap from retainer.
 Step 2 - drop in the 310ml Euro Cartridge to retainer.
 Step 3 - attach the air cap (hand tighten only).

Parts Overview

Part Code	Description	Pack Qty
AD-100Z	310ml Metal Retainer, Air Cap, Gasket, 1m Air Hose, Quick Connector	1
AD931-296	310ml Adapter Fitting, White Acetal	1
AD931-296SS	310ml Adapter Fitting, Stainless Steel	1
AD562317	310ml Adapter Fitting, Black Acetal	1
TSD931-3	Elbow Adapter Fitting, Clear, 1/4" NPT Male Thread to 1/4" NPT Female Thread	1
AD931-15	Elbow Luer Lock Filling Adapter Fitting, Black Acetal, 1/4" NPT Thread	1
AD931-15M	Elbow Luer Lock Filling Adapter Fitting, Nickel Plated Brass, 1/4" NPT Thread	1
AD931-7	Luer Lock Tip Adapter, White Polypro, 1/4" NPT Thread	1
AD931-14	Luer Lock Tip Adapter, Black Polypro, 1/4" NPT Thread	1
TS216	Nozzle, Natural Polyethylene, 64mm Length, 1.6mm ID, 1/4" NPT Thread	10
TS218	Nozzle, Natural Polyethylene, 64mm Length, 3.2mm ID, 1/4" NPT Thread	10
TS416	Nozzle, Natural Polyethylene, 102mm Length, 1.6mm ID, 1/4" NPT Thread	10
TS418	Nozzle, Natural Polyethylene, 102mm Length, 3.2mm ID, 1/4" NPT Thread	10
TS616	Nozzle, Natural Polyethylene, 152mm Length, 1.6mm ID, 1/4" NPT Thread	10
TS618	Nozzle, Natural Polyethylene, 152mm Length, 3.2mm ID, 1/4" NPT Thread	10
AD1001	Digital Timed Shot Dispenser Controller, 0-100 PSI Air, 100-240V AC	1

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Parts Review

Dispensing Accessories



AD-100Z - Retainer, Air Cap, Air Hose, Gasket, Connector



AD1001 - Digital Timed Shot Air-Powered Dispenser



AD Series - Barrels & Pistons sizes 3cc, 5cc, 10cc, 30cc, 55cc



AD Series - Tip Caps, End Caps sizes 3cc, 5cc, 10cc, 30cc, 55cc



AD931-296 - Acetal Adapter White



AD931-296SS - Stainless Steel Adapter



AD562317 - Acetal Adapter Black



AD931-296 - PE Adapter White



AD931-7 - Nylon Luer Lock Tip Adapter White



AD931-14 - Acetal Luer Lock Tip Adapter Black



AD931-7M - Nickel Plated Brass Luer Lock Tip Adapter



AD931-28N - Nylon Luer Lock Female Adapter Fitting



AD931-28M - Brass Luer Lock Female Adapter Fitting



AD931-28A - Polypro Luer Female Adapter Elbow



TSD918-3 - Polypro Elbow Natural



AD931-15 - Acetal Filling Adapter Black



AD931-15M - Nickel Plated Brass Filling Adapter



AD931-15SS - Stainless Steel Filling Adapter



AD931-15C - Polypro Filling Adapter Natural



TSD931-3 - Polypro Clear Cap Seal for Filling Adapter



TSD931-3N-1 - Nylon White Cap Seal for Filling Adapter

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General Purpose Blunt End Precision Tips

Dispensing Accessories

Gauge	Hub	Tube ID	Tube OD	1/4" Tube	1/2" Tube	1" Tube	1.5" Tube	2" Tube	3" Tube
12	Blue	2.26mm	2.77mm	AD712025PK	AD712050PK	AD712100PK	AD712150PK	AD712200PK	AD712300PK
13	Red	1.78mm	2.54mm	AD713025PK	AD713050PK	AD713100PK	AD713150PK	AD713200PK	AD713300PK
14	Olive	1.55mm	1.83mm	AD714025PK	AD714050PK	AD714100PK	AD714150PK	AD714200PK	AD714300PK
15	Amber	1.37mm	1.65mm	AD715025PK	AD715050PK	AD715100PK	AD715150PK	AD715200PK	AD715300PK
16	Dk. Grey	1.19mm	1.45mm	AD716025PK	AD716050PK	AD716100PK	AD716150PK	AD716200PK	AD716300PK
17	Lt. Amber	1.04mm	1.40mm	AD717025PK	AD717050PK	AD717100PK	AD717150PK	AD717200PK	AD717300PK
18	Green	0.84mm	1.27mm	AD718025PK	AD718050PK	AD718100PK	AD718150PK	AD718200PK	AD718300PK
19	Brown	0.70mm	1.05mm	AD719025PK	AD719050PK	AD719100PK	AD719150PK	AD719200PK	AD719300PK
20	Pink	0.61mm	0.91mm	AD720025PK	AD720050PK	AD720100PK	AD720150PK	AD720200PK	AD720300PK
21	Purple	0.51mm	0.81mm	AD721025PK	AD721050PK	AD721100PK	AD721150PK	AD721200PK	AD721300PK
22	Dk. Blue	0.41mm	0.71mm	AD722025PK	AD722050PK	AD722100PK	AD722150PK	AD722200PK	AD722300PK
23	Orange	0.33mm	0.64mm	AD723025PK	AD723050PK	AD723100PK	AD723150PK	AD723200PK	AD723300PK
24	Grey	0.30mm	0.56mm	AD724025PK	AD724050PK	AD724100PK	AD724150PK	AD724200PK	AD724300PK
25	Lt. Red	0.25mm	0.51mm	AD725025PK	AD725050PK	AD725100PK	AD725150PK	AD725200PK	AD725300PK
26	Peach	0.24mm	0.45mm	AD726025PK	AD726050PK	AD726100PK	AD726150PK	AD726200PK	AD726300PK
27	Clear	0.20mm	0.41mm	AD727025PK	AD727050PK	AD727100PK	AD727150PK	AD727200PK	n/a
28	White	0.18mm	0.36mm	AD728025PK	AD728050PK	AD728100PK	AD718150PK	AD728200PK	n/a
30	Lavender	0.15mm	0.30mm	AD730025PK	AD730050PK	AD730100PK	AD730150PK	n/a	n/a
32	Yellow	0.10mm	0.23mm	AD732025PK	AD732050PK	AD732100PK	n/a	n/a	n/a
34	Lime	0.08mm	0.20mm	AD734025PK	AD734050PK	n/a	n/a	n/a	n/a

General purpose tips are available in a wide range of different gauge sizes and tube lengths. Assembled using a double helix luer lock polypropylene colour coded hub to a blunt end burr-free tube. Suitable for most liquids, gels and pastes. Supplied in boxes of 50 or bulk packs of 500 or 1000.

General Purpose Tips moulded polypropylene hub to stainless steel design for most liquids, inks, solvents, pastes, gels, epoxies and glues.

Tip tube length of 0.25" to 5".

In outlet sizes from 3mm ID to 0.08mm ID.

Colour coded for easy identification.

In boxes of 50 or bulk packs of 500 or 1000 pieces.

Blunt end needles for precision.



Features and Benefits - General Purpose Tips

- Free of flash, burrs, and contaminants
- Package labels with batch numbers for process control and traceability
- Consistent from style to style and batch to batch
- 360° Double Helix locking thread safe, positive attachment to barrel
- Engineered hub flats for easy twist on, twist off
- UV bonded stainless steel tube to hub construction

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Smooth Flow Tapered Precision Tips

Dispensing Accessories

Gauge Size	Tip Colour	Outlet ID	Part Code
8	Clear	3.30mm	AD8TT-B
10	Lime	3.00mm	AD10TT-B
11	Yellow	2.50mm	AD11TT-B
13	Sky Blue	2.00mm	AD13TT-B
14	Olive	1.55mm	AD14TT-B
15	Amber	1.37mm	AD15TT-B
16	Grey	1.22mm	AD16TT-B
18	Green	0.84mm	AD18TT-B
20	Pink	0.61mm	AD20TT-B
21	Purple	0.51mm	AD21TT-B
22	Blue	0.41mm	AD22TT-B
23	Orange	0.33mm	AD23TT-B
25	Red	0.25mm	AD25TT-B
26	Lt. Brown	0.22mm	AD26TT-B
27	Clear	0.20mm	AD27TT-B
30	Lavender	0.15mm	AD30TT-B
32	Lt. Yellow	0.10mm	AD32TT-B

Gauge Size	TSI Rigid	TSI Semi Rigid	UV Block Black
14	TT14-RIGID	TT14-DHUV	AD14TTUV
16	TT16-RIGID	TT16-DHUV	AD16TTUV
18	TT18-RIGID	TT18-DHUV	AD18TTUV
20	TT20-RIGID	TT20-DHUV	AD20TTUV
22	TT20-RIGID	TT20-DHUV	AD20TTUV
25	TT25-RIGID	TT25-DHUV	AD25TTUV
27	AD727050PK	AD727100PK	AD27TTUV
30	n/a	n/a	AD30TTUV
32	n/a	n/a	AD32TTUV



Tapered tips are offered in a wide range of gauge size diameters - all are colour coded. A double helix luer lock thread provides a very secure and leak free attachment under pressure. The tapered flow design reduces back pressure when dispensing higher viscosity materials.

Features and Benefits - Smooth Flow Tapered Tips

- Free of flash, burrs, and contaminants
- Package labels include batch numbers for process control and traceability
- Consistent from style to style and batch to batch
- 360° Double Helix locking thread ensures safe, positive attachment to syringe barrel
- Engineered hub flats for easy twist on, twist off
- Smooth flow design reduces back pressure for high viscosity pastes

Smooth Flow Tapered Tips moulded polyethylene design for most pastes, gels, epoxies and reactive adhesives.

Standard tip length of 1.25" (31.75mm).

In outlet sizes from 3mm ID to 0.10mm ID.

Colour coded for easy identification.

In boxes of 50 or bulk packs of 500 or 1000 pieces.

Tapered design for easier material flow.



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310ml Euro Cartridge Empty Cartridge Kit

Dispensing Accessories



310ml Euro cartridge reservoir set in medium density polyethylene including wiper plunger and nozzle in a kit of (10) cartridges, (10) wiper plungers and (10) standard 4" long nozzles. 10 ounce/ 310cc/ ml, 1/10 Gallon size.

Suitable for dispensing most materials including sealants, RTVs, resins and silicones. Use with all 310ml manual, pneumatic and battery powered cartridge dispenser guns or in the AD-100Z air retainer system and a pneumatic dispenser.

Cartridges feature a euro nozzle thread that can be cut for secure attachment of nozzle. Use our AD931-296 adapter fitting on this cartridge for use with the full range of speciality nozzles and luer lock precision tips. All products are made from (MDPE) high-density polyethylene.

Code	Colour	Size	Cartridge OD	Cartridge Length	Nozzle Length	Material
AD110CP	Natural	310ml	46.99mm	229mm	101.6mm	Polyethylene

310ml Euro Cartridge Nozzles



Nozzles for use with 310ml Euro silicone and sealant cartridges. Nozzles are adaptable with any of our one-component sealant guns. Threaded to the cartridge. Made from natural high density polyethylene (HDPE).

Code	Colour	Nozzle Length	Material
2940906	Natural	101.6mm	Polyethylene
2940922	Natural	175.0mm	Polyethylene

310ml Euro Cartridge Retainer Bench Stand



An adjustable bench stand for 310ml size cartridge retainers giving hands free benchtop dispensing. The main base unit includes a vertical stainless steel upright rod. The metal clamp can be moved up and down the rod for height adjustment. The clamp attaches to a horizontal stainless steel rod to the cartridge bracket. This part can be angled to any position.

The complete assembly works with the AD-100Z cartridge retainer and is ideal for when parts can be introduced to the dispense nozzle leaving hands free. A clean and efficient process for bench top dispensing. This is supplied assembled ready to use with our full range of cartridge retainers.

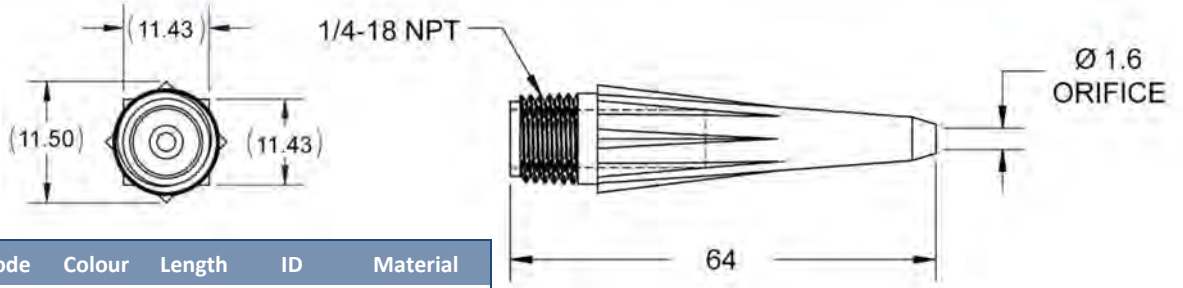
Code	For	Material
560549U	310ml	Aluminium

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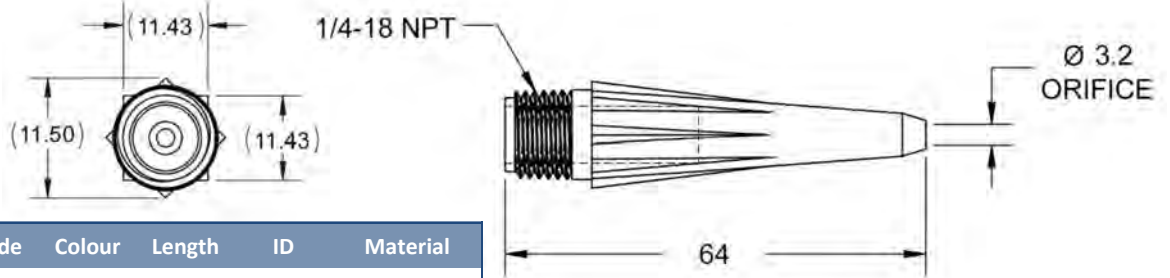
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Dispensing Nozzles MDPE

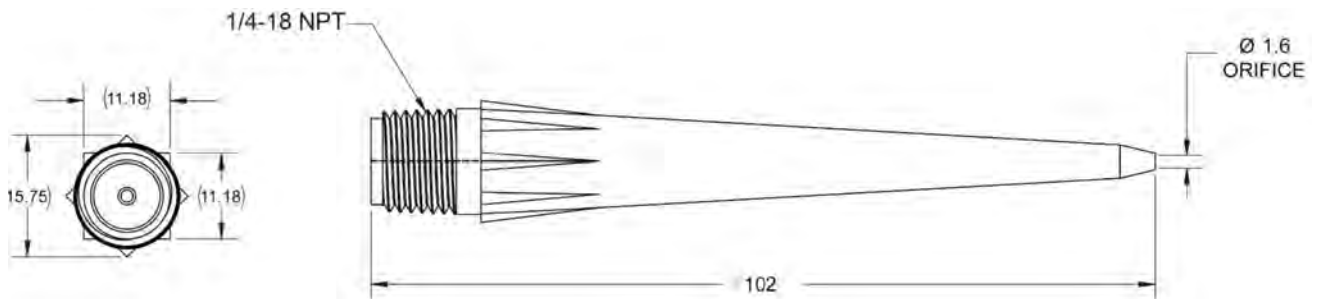
Dispensing Accessories



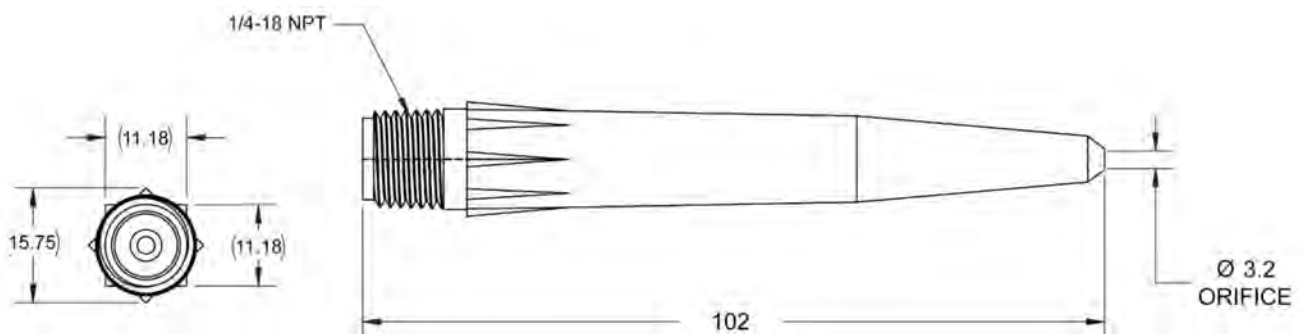
Code	Colour	Length	ID	Material
TS216	Natural	64mm	1.6mm	Polyethylene



Code	Colour	Length	ID	Material
TS218	Natural	64mm	3.2mm	Polyethylene



Code	Colour	Length	ID	Material
TS416	Natural	102mm	1.6mm	Polyethylene



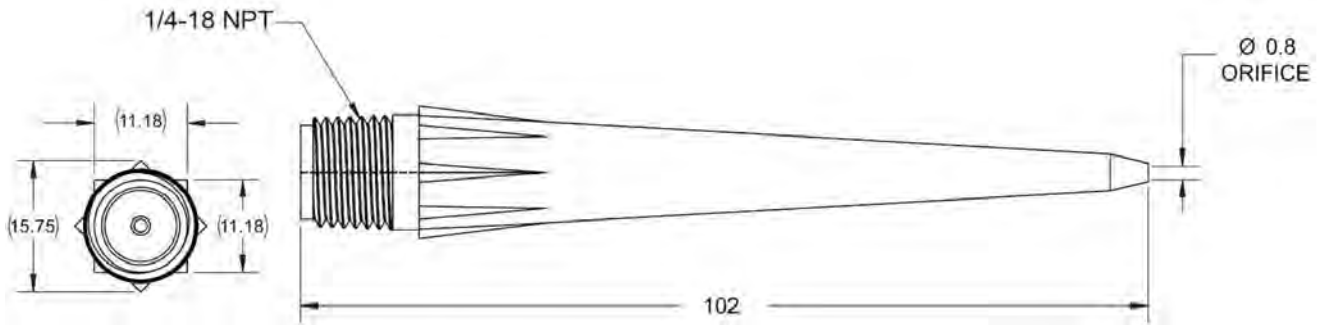
Code	Colour	Length	ID	Material
TS418	Natural	102mm	3.2mm	Polyethylene

310ml Euro Cartridge Solutions

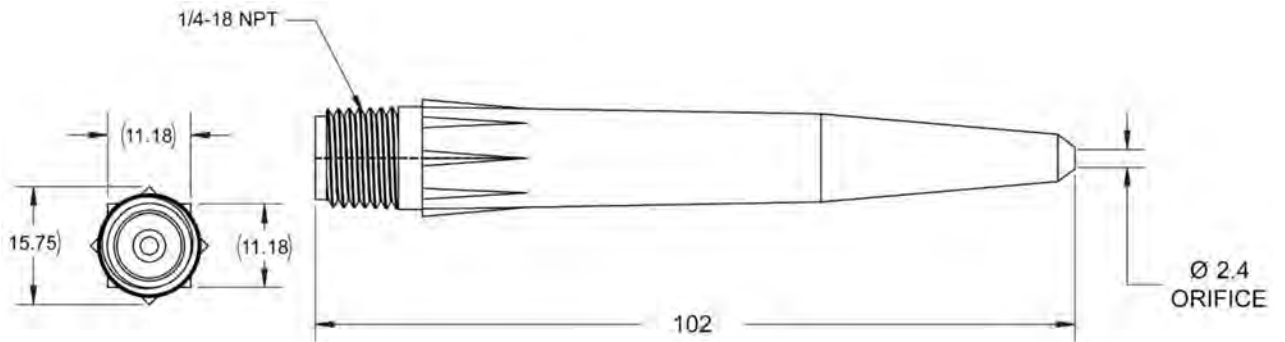
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Dispensing Nozzles MDPE

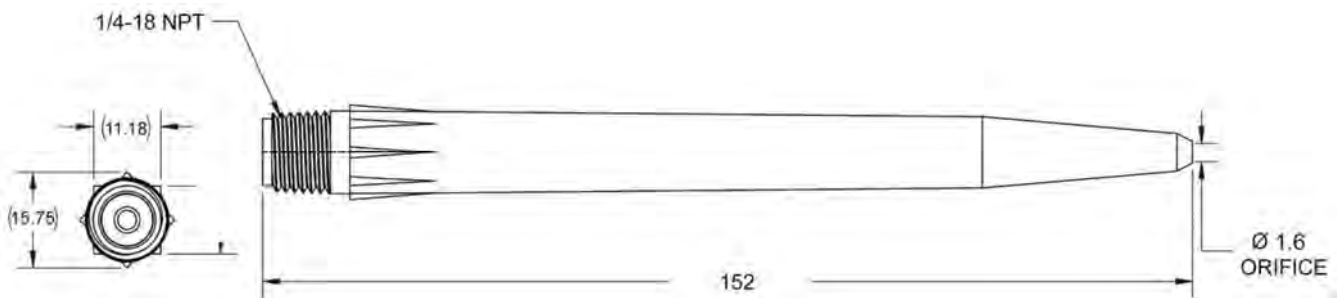
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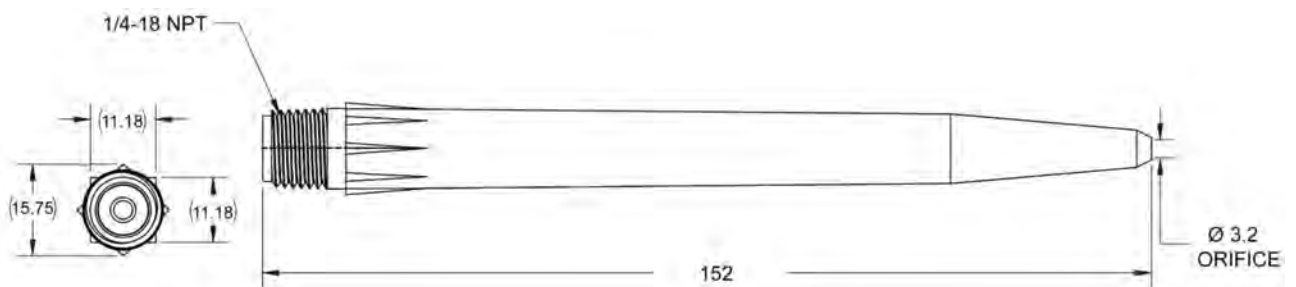
Code	Colour	Length	ID	Material
TS432	Natural	102mm	0.8mm	Polyethylene



Code	Colour	Length	ID	Material
TS490	Natural	102mm	2.4mm	Polyethylene



Code	Colour	Length	ID	Material
TS616	Natural	152mm	1.6mm	Polyethylene



Code	Colour	Length	ID	Material
TS618	Natural	152mm	3.2mm	Polyethylene

HOW TO ORDER

Simply quote our part number, quantity required, your order number or reference and delivery address - it couldn't be easier.

- 1** BY TELEPHONE:
01908 686660
- 2** BY FAX:
01908 686836
- 3** FROM OUR WEBSITE:
adhesivedispensers.co.uk
- 4** BY EMAIL:
orders@adhesivedispensers.co.uk

HOURS OF BUSINESS

MONDAY TO FRIDAY 9AM TO 5.30PM

Reasons to use our dispensing components

- Industrial grade** - certified safe for use to 100 psi. Will not break when in use under pneumatic or mechanical pressure.
- Certified Silicone-Free**. Our components will not contaminate fluids placed when in use including specialist adhesives.
- Burr-free**. All blunt tips are electro-polished and produced to a high precision finish.
- Widest range** - we stock millions of parts in many different styles and an extensive range of cartridges, nozzles, mixers.
- Fast lead times**. Most products are held in stock and available within days not weeks.
- Boxed** - most of our tips are supplied in sealed boxes for easy identification and protection against contamination.
- Batch codes** - all labelled with batch codes for traceability.
- Expert support**. We recommend our products to ensure our customers receive the right solution for their application.



HOW TO PAY

We are happy to accept payment by the following methods:

CREDIT CARD

Please quote your card number, start and expiry dates and security digits together with your name, address and delivery address.



CHEQUE

Cheques for collection must be supported by a valid bank guarantee card.

ACCOUNT

Accounts may be opened within 4 hours, subject to status, following receipt of a completed account application form. Please contact our Accounts Department direct on **01908 686663** for further details.

PRICES GIVEN ARE IN POUNDS STERLING AND MAY BE SUBJECT TO CHANGE

ALL PRICES ARE SUBJECT TO VAT

Standard Terms and Conditions apply

GOODS COLLECTION

Pre-ordered goods can be collected from our Milton Keynes warehouse facility by arrangement only.



Overseas Delivery Charges

We ship goods into Europe, North and South America, Asia, Middle East, Australia and Africa. We use UPS, FedEx, DHL and Postal Services. Please contact us for specific pricing and options for all overseas shipping.

Visit our growing customer knowledge base for more product information, data sheets, videos and advice.

https://www.adhesivedispensing.net/kb_results.asp



ISO 9001:2015

Quality Management System

Certificate Number

CA14756

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