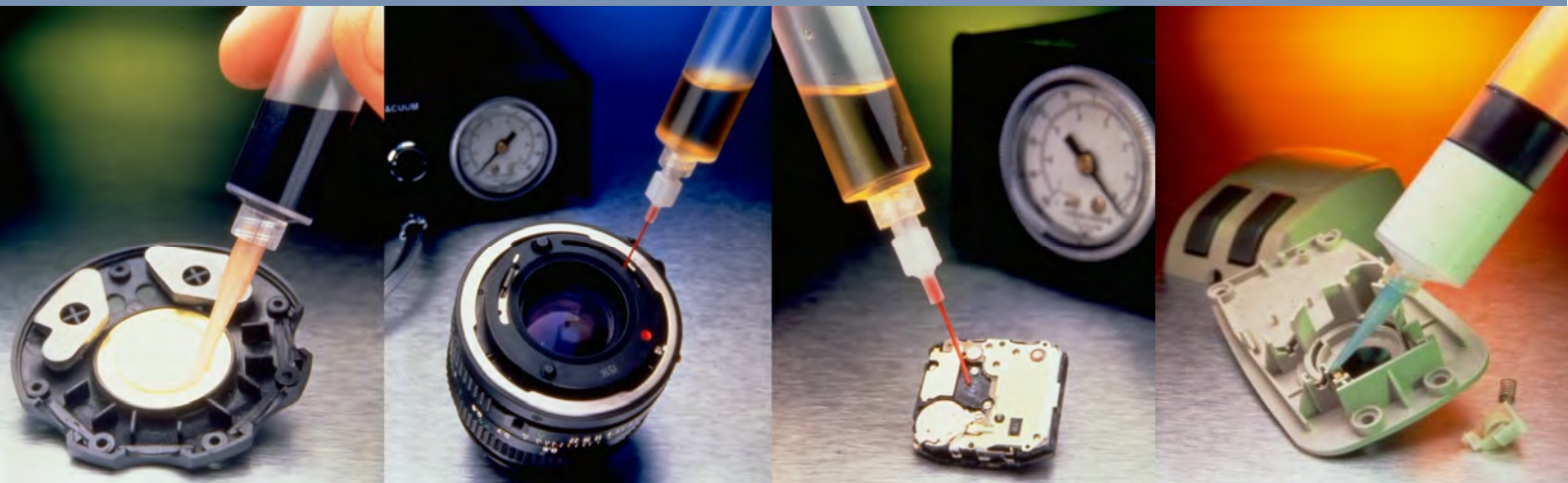


# Adhesive Dispensing Tips

Precision  
Component  
Solutions



For use with dispensing syringes, barrels, bottles, valves and cartridges



**Adhesive Dispensing Ltd**  
Solutions customers stick with...

# Catalogue Index

| Page  | Tip Type                    | ID Sizes         | OD Sizes         | Lengths            | Recommended Use                                       |
|-------|-----------------------------|------------------|------------------|--------------------|---|
| 3     | Overview of tips            |                  |                  |                    |   |
| 4     | General Purpose Blunt End   | 0.08mm to 2.26mm | 0.20mm to 2.77mm | 0.25" to 5" Tube   | For most adhesives, gels, pastes, lubricants, epoxies |
| 5     | Smooth Flow Tapered         | 0.10mm to 3.00mm | n/a              | 1.25" Full Length  | For gels, pastes, particle filled, silicones, epoxies |
| 6     | Flexible Polypro Tube       | 0.32mm to 1.40mm | 0.81mm to 1.80mm | 0.25" to 3" Tube   | For low to medium viscosity liquids, Cyanoacrylates   |
| 7     | TSP Flexible Polypro Tube   | 0.32mm to 1.55mm | 0.81mm to 1.95mm | 0.5" to 1.5" Tube  | For low to medium viscosity liquids, Cyanoacrylates   |
| 8     | Chamfered Tube              | 0.16mm to 0.42mm | 0.31mm to 0.72mm | 0.25" & 0.5" Tube  | For low viscosity liquids, solvents only              |
| 9     | Angled Bent Tube Blunt      | 0.08mm to 1.55mm | 0.21mm to 1.83mm | 0.5" Tube          | For most adhesives, gels, pastes, lubricants, epoxies |
| 10    | Angled Bent Tube Blunt      | 0.08mm to 1.55mm | 0.21mm to 1.83mm | 1.0" Tube          | For most adhesives, gels, pastes, lubricants, epoxies |
| 11    | Angled Bent Tube Blunt      | 0.08mm to 1.55mm | 0.21mm to 1.83mm | 1.5" Tube          | For most adhesives, gels, pastes, lubricants, epoxies |
| 12    | E-Series Blunt End          | 0.15mm to 1.60mm | 0.30mm to 1.90mm | 0.25" to 1.5" Tube | For most adhesives, gels, pastes, lubricants, epoxies |
| 13    | TS Crimped Hub Blunt End    | 0.15mm to 1.55mm | 0.30mm to 1.82mm | 0.25" to 1.0" Tube | For most adhesives including solvent based            |
| 14    | Aluminium Hub Blunt End     | 0.71mm to 1.55mm | 1.14mm to 1.82mm | 0.5" to 2.0" Tube  | For most adhesives including solvents & chemicals     |
| 15    | ESD Safe Blunt End          | 0.16mm to 1.55mm | 0.31mm to 1.83mm | 0.25" to 1.0" Tube | For most adhesives, gels, pastes, lubricants, epoxies |
| 15    | ESD Safe Tapered            | 0.16mm to 1.55mm | n/a              | 1.25" Full Length  | For gels, pastes, particle filled, silicones, epoxies |
| 15    | ESD Safe Angled Bent        | 0.16mm to 1.55mm | 0.31mm to 1.83mm | 0.25" to 1.0" Tube | For most adhesives, gels, pastes, lubricants, epoxies |
| 16    | Black UV Cure Tips          | 0.10mm to 1.55mm | 0.23mm to 1.80mm | 0.25" to 0.5" Tube | For low to medium viscosity UV cure adhesives         |
| 17    | PTFE Lined Tips             | 0.20mm to 0.51mm | n/a              | 0.25" to 1.0" Tube | For Cyanoacrylates & reactive adhesives               |
| 18    | Flexible PTFE Tube Tips     | 0.30mm to 1.68mm | 0.70mm to 2.23mm | 0.25" to 5.0" Tube | For Cyanoacrylate, other adhesives, liquids           |
| 19    | Flat End Tube Plastic End   | 0.84mm to 1.55mm | 1.27mm to 1.85mm | 0.5" Tube          | For most adhesives, gels, pastes, lubricants, epoxies |
| 20    | Flat End Tube All Metal     | 0.61mm to 2.50mm | 0.90mm to 3.30mm | 0.5" Tube          | For most adhesives, gels, pastes, lubricants, epoxies |
| 21    | All Metal Tips Blunt End    | 0.10mm to 3.28mm | 0.23mm to 4.01mm | 0.25" to 6.0" Tube | For most adhesives, gels, pastes, lubricants, epoxies |
| 22    | All Metal Dual/ Triple Tips | 0.21mm to 1.38mm | 0.41mm to 1.84mm | 0.5" Tube          | For most adhesives, gels, pastes, lubricants, epoxies |
| 23    | MMT All Metal Tapered       | 0.15mm to 1.20mm | n/a              | 18.25mm Total      | For most adhesives, gels, pastes, lubricants, SMT     |
| 23    | MMTH All Metal Tapered      | 0.20mm to 0.60mm | n/a              | 18.25mm Total      | For most adhesives, gels, pastes, lubricants, SMT     |
| 24    | Micron-S All Metal Tapered  | 0.06mm to 1.04mm | n/a              | 18.25mm Total      | For most adhesives, gels, pastes, lubricants, SMT     |
| 24    | MMTT All Metal Tapered      | 0.15mm to 1.20mm | n/a              | 18.25mm Total      | For most adhesives, gels, pastes, lubricants, SMT     |
| 24    | MT All Metal Tapered        | 0.23mm to 1.04mm | n/a              | 18.25mm Total      | For most adhesives, gels, pastes, lubricants, SMT     |
| 25-28 | Soft & Stiff Brush Tips     | 0.20mm to 1.55mm | n/a              | 42.0mm Total       | For grease, inks, paints, glues, liquids, adhesives   |
| 29    | Polypro Angled Tube         | 0.25mm Only      | 0.54mm Only      | 2.0" Tube          | For low viscosity liquids, adhesives, glues           |
| 30    | Tip Extender Tubes          | 1.78mm to 3.17mm | 2.54mm to 4.45mm | 2.5" to 60"        | Extends reach of tip from bottles, syringes, etc.     |
| 30    | Cartridges Metal Tips       | 1.20mm to 3.81mm | 1.65mm to 4.45mm | 1.50" Only         | Used with Techcon, Semco, EFD cartridges              |
| 31    | Assorted Tip Kits           | 0.08mm to 1.55mm | 0.20mm to 1.95mm | All                | Tip kits in a wide range of types and styles          |



Please contact us for data sheets on any product, pricing and lead times. All tank products are CE approved and supplied with warranty.

# AD Series Dispensing Tips

Precision dispensing tips in the widest range of options available for applying liquids, gels, pastes, inks, lubricants, epoxies, chemicals, solder pastes, fluxes, UV cure adhesives, silicones, sealants and more.

## Available in a range of tip styles:

**General Purpose** are passivated stainless steel tips to handle the widest range of fluids and applications.

**Tapered** smooth flow for application of medium- to high-viscosity fluids - especially thick or particle-filled materials like epoxies, RTVs, and braze pastes.

**Flexible Polypropylene** shafts reach into hard-to-access areas and will not scratch delicate surfaces. Easily cut to size or bend as needed.

**Angled Tube** tips with 45°, 90° with 30° and 60° bends in tube lengths of 0.5", 1", 1.5" and 2".

**Aluminium Hub** tips with stainless steel blunt tubes for aggressive solvents and chemicals.

**Crimped Hub** tips with stainless steel blunt tubes for use with solvent based glues.

**Chamfered tips** improve micro dot control for low viscosity liquids.

**All Metal** precision tips with custom tube lengths available. For XYZ robot applications.

**Double and Triple Tube** tips for making multiple dots and beads simultaneously of liquids and gels.

**Metal Tapered** offer high precision and control for dispensing SMT adhesives and many other liquids.

**Brush** for spreading glues and greases. Available with soft or stiff bristles.

**PTFE Lined** and Crimped tips for use with Cyanoacrylate adhesives prevents rapid clogging.

**PTFE Flexible** tips for Cyanoacrylate glues and adhesives to prevent rapid clog and with soft flexible tubing. Custom tube lengths available.

**Oval Flat End** tips for making flat ribbon beads of materials.

**E-Series** tips are blunt end, luer lock polypro hub to stainless steel tube - cost effective tip range.

**ESD Safe** tips that avoid static for dispensing in sensitive areas such as electronics assembly.

**Tip kits** offer an assortment of different tip types, styles and quantities useful for testing.

**Tips are certified silicone-free and can be used at pressures up to 100 PSI. Supplied in sealed boxes or bulk packs with labels, batch codes and C of C.**

## How to select the best tip:



**For most liquids and gels** use the General Purpose tips. For many applications and most materials. Available in 20 different gauge size diameters and tube lengths of 1/4", 1/2", 1", 1.5", 2", 3", 4" and 5".

**For solder pastes and braze pastes** as well as silicone sealants, RTVs and other thick materials use the smooth flow tapered tips. The design will reduce back pressure and increase flow.

**For Cyanoacrylate adhesives** and other reactive glues use the PTFE Lined tips, Flexible Teflon tube tips, Flexible Polypro tips or Tapered tips. Avoid tips with metal tubes for instant glues as they will clog rapidly whereas plastic tips do not.

**For Solvents and Solvent based contact glues** use our aluminium hub tube tips or TS Crimped Tube tips as these are made to withstand aggressive materials and will not degrade.

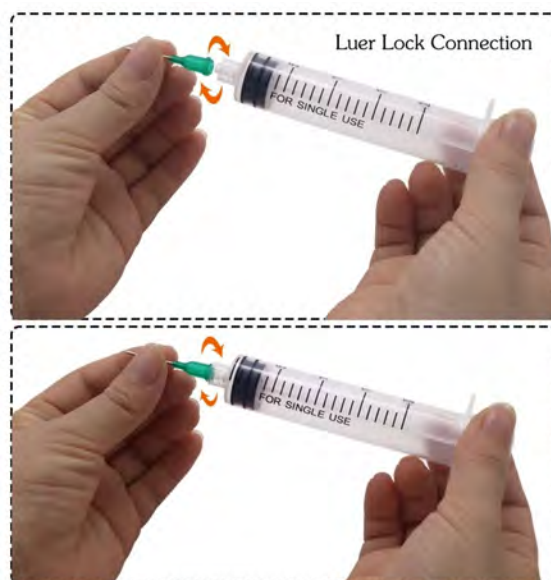
**For UV Cure adhesives** use opaque tips such as the TS crimped, aluminium, all-metal or black tapered. All tips offer UV filter protection but for very sensitive UV glues, use opaque.

**For Reaching in areas** use the angled bent tips that allow the tube to place liquids or gels easier inside parts than a straight tip can.

**For spreading, coating and brushing** liquids, gels, lubricants, inks and paints, brush tips are used. Available in soft or hard bristle and with bristle widths of 2mm to 14mm.

**ESD safe tips** for static sensitive components such as PCBs and sensors. Available as general purpose style or smooth flow tapered style.

For **micro dots of low viscosity liquids**, use chamfered tube tips to eliminate wicking.





# General Purpose Tips

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.



| 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        |

## Features and Benefits - General Purpose 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
- UV bonded stainless steel tube to hub construction



# Smooth Flow Tapered Tips

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 design reduces back pressure when dispensing higher viscosity materials.



| 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       |



## 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.



# Flexible Tube Tips

Polypro flexible tube tips can dispense a range of liquids and adhesives including Cyanoacrylates. The soft tube is useful when working with sensitive substrates as it will not scratch. A double helix luer lock hub for leak free dispensing under pressure.



| Gauge Size | Hub Colour | Tube ID | Tube OD | 1/4" Tube | 1/2" Tube | 1" Tube  | 1.5" Tube | 2" Tube  | 2.5" Tube | 3" Tube  |
|------------|------------|---------|---------|-----------|-----------|----------|-----------|----------|-----------|----------|
| 14         | Olive      | 1.40mm  | 1.80mm  | 3114PP6   | 3114PPS   | 3114PP-1 | 3114PP-B  | 3114PP-2 | 3114PP-25 | 3114PP-3 |
| 15         | Amber      | 1.35mm  | 1.65mm  | 3115PP6   | 3115PPS   | 3115PP-1 | 3115PP-B  | 3115PP-2 | 3115PP-25 | 3115PP-3 |
| 16         | Grey       | 1.19mm  | 1.55mm  | 3116PP6   | 3116PPS   | 3116PP-1 | 3116PP-B  | 3116PP-2 | 3116PP-25 | 3116PP-3 |
| 18         | Green      | 0.84mm  | 1.35mm  | 3118PP6   | 3118PPS   | 3118PP-1 | 3118PP-B  | 3118PP-2 | 3118PP-25 | 3118PP-3 |
| 20         | Pink       | 0.62mm  | 0.90mm  | 3120PP6   | 3120PPS   | 3120PP-1 | 3120PP-B  | 3120PP-2 | 3120PP-25 | 3120PP-3 |
| 22         | Blue       | 0.41mm  | 0.73mm  | 3122PP6   | 3122PPS   | 3122PP-1 | 3122PP-B  | 3122PP-2 | n/a       | n/a      |
| 25         | Red        | 0.32mm  | 0.81mm  | 3125PP6   | 3125PPS   | 3125PP-1 | 3125PP-B  | n/a      | n/a       | n/a      |

## Features and Benefits - Flexible Polypropylene 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
- Flexible soft tube design for hard to reach places and sensitive substrates



**Flexible Tube Tips** Molded polypropylene design for glues, liquids, coatings and reactive adhesives such as Cyanoacrylates.

Available tube lengths of 1/4", 1/2", 1", 1.5", 2", 2.5", 3" and longer.

In tube diameters of 1.4mm ID to 0.32mm ID.

Colour coded hubs.

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

Also available with longer tubes - contact us for details.



# TSP Flexible Tube Tips

TSP polypro flexible tube tips can dispense a range of liquids and adhesives including Cyanoacrylates. The soft tube is useful when working with sensitive substrates as it will not scratch. A standard luer lock hub for leak free dispensing under pressure.



| Gauge Size | Tube Colour | Tube ID | Tube OD | 0.5" Tube | 1.0" Tube | 1.5" Tube   | 2" Tube |
|------------|-------------|---------|---------|-----------|-----------|-------------|---------|
| 14         | White       | 1.55mm  | 1.95mm  | TSP14-1/2 | TSP14-1   | TSP14-1-1/2 | TSP14-2 |
| 15         | Grey        | 1.37mm  | 1.65mm  | TSP15-1/2 | TSP15-1   | TSP15-1-1/2 | TSP15-2 |
| 16         | Brown       | 1.19mm  | 1.55mm  | TSP16-1/2 | TSP16-1   | TSP16-1-1/2 | TSP16-2 |
| 18         | Pink        | 0.84mm  | 1.35mm  | TSP18-1/2 | TSP18-1   | TSP18-1-1/2 | TSP18-2 |
| 20         | Yellow      | 0.62mm  | 0.90mm  | TSP20-1/2 | TSP20-1   | TSP20-1-1/2 | TSP20-2 |
| 22         | Black       | 0.41mm  | 0.73mm  | TSP22-1/2 | TSP22-1   | TSP22-1-1/2 | TSP22-2 |
| 25         | Red         | 0.32mm  | 0.81mm  | TSP25-1/2 | TSP25-1   | TSP25-1-1/2 | TSP25-2 |



## Features and Benefits - Flexible TSP Polypropylene 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
- Luer locking thread ensures safe, positive attachment to syringe barrel
- Engineered hub flats for easy twist on, twist off
- Flexible soft tube design for hard to reach places and sensitive substrates



**Flexible Tube Tips** Moulded polypropylene design for glues, liquids, coatings and reactive adhesives such as Cyanoacrylates.

Available tube lengths of 0.5", 1" and 1.5".

In tube diameters of 1.55mm ID to 0.32mm ID.

Colour coded tubes.

In boxes of 50 or bulk packs of 500 pieces.

Suitable for manual applications as well as with pneumatic dispensers.





# Chamfered Tube Tips

Perfect for micro-deposit applications of solvents, primers, activators, etc, ADL chamfered tips are designed with a special outer diameter taper for greater deposit accuracy. The taper reduces the surface area a solvent or other low-viscosity fluid can grip, providing better dispensing control.

Our chamfered tips are ideal for dispensing between delicate surfaces or making exact, repeatable micro-deposits. A unique double-helix hub thread ensures safe and secure leak-free attachment to the syringe barrel. Each hub is designed with flush mating of the hub to the tube for smooth fluid flow and to prevent trapped air, which causes dripping and oozing.



| Gauge Size | Hub      | Tube ID | Tube OD | 0.25" Length | 0.5" Length |
|------------|----------|---------|---------|--------------|-------------|
| 22         | Blue     | 0.42mm  | 0.72mm  | CHT22025     | CHT22050    |
| 23         | Orange   | 0.34mm  | 0.64mm  | CHT23025     | CHT23050    |
| 25         | Red      | 0.26mm  | 0.52mm  | CHT25025     | CHT25050    |
| 27         | Clear    | 0.21mm  | 0.42mm  | CHT27025     | CHT27050    |
| 30         | Lavender | 0.16mm  | 0.31mm  | CHT30025     | CHT30050    |

## Features and Benefits - Crimped Hub 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
- Luer locking thread ensures safe, positive attachment to syringe barrel
- Engineered hub flats for easy twist on, twist off
- Chamfered tip end

**Chamfered Tube Tips** for solvents and other low viscosity liquids.

Tube lengths of 0.25" and 0.5".

Stainless steel tube is bonded to the polypropylene hub.

In tube diameters of 0.42mm ID to 0.16mm ID.

Luer lock colour coded hubs for identification.

In boxes of 50 pieces.

Unique outer tube taper design.

Eliminates liquid wicking.

Improves micro dot results for low viscosity liquid applications.





# Precision Bend Tips 1/2" Long

Precision bend angled tips have UV filtering hubs and are suitable for dispensing most adhesives, gels, silicones, pastes, glues and coatings. Angled tips are made from polypropylene hubs to stainless steel tubes with a choice of tube length and angle. Tips are colour coded for gauge size. Can be used with both manual and pneumatic dispensers up to a pressure of 100 PSI. All components are silicone-free and certified industrial grade safe.



| Gauge Size | Hub Colour | Tube ID | Tube OD | 0.5" Long 30° Bend | 0.5" Long 45° Bend | 0.5" Long 60° Bend | 0.5" Long 90° Bend |
|------------|------------|---------|---------|--------------------|--------------------|--------------------|--------------------|
| 14         | Olive      | 1.55mm  | 1.83mm  | AD71405030         | AD71405045         | AD71405060         | AD71405090         |
| 15         | Amber      | 1.37mm  | 1.65mm  | AD71505030         | AD71505045         | AD71505060         | AD71505090         |
| 16         | Grey       | 1.19mm  | 1.64mm  | AD71605030         | AD71605045         | AD71605060         | AD71605090         |
| 17         | Lt. Amber  | 1.04mm  | 1.32mm  | AD71705030         | AD71705045         | AD71705060         | AD71705090         |
| 18         | Green      | 0.84mm  | 1.27mm  | AD71805030         | AD71805045         | AD71805060         | AD71805090         |
| 19         | Dk. Brown  | 0.83mm  | 1.09mm  | AD71905030         | AD71905045         | AD71905060         | AD71905090         |
| 20         | Pink       | 0.61mm  | 0.91mm  | AD72005030         | AD72005045         | AD72005060         | AD72005090         |
| 21         | Purple     | 0.51mm  | 0.81mm  | AD72105030         | AD72105045         | AD72105060         | AD72105090         |
| 22         | Blue       | 0.41mm  | 0.71mm  | AD72205030         | AD72205045         | AD72205060         | AD72205090         |
| 23         | Orange     | 0.33mm  | 0.64mm  | AD72305030         | AD72305045         | AD72305060         | AD72305090         |
| 25         | Red        | 0.25mm  | 0.51mm  | AD72505030         | AD72505045         | AD72505060         | AD72505090         |
| 26         | Peach      | 0.24mm  | 0.45mm  | AD72605030         | AD72605045         | AD72605060         | AD72605090         |
| 27         | Clear      | 0.20mm  | 0.41mm  | AD72705030         | AD72705045         | AD72705060         | AD72705090         |
| 28         | White      | 0.19mm  | 0.39mm  | AD72805030         | AD72805045         | AD72805060         | AD72805090         |
| 30         | Lavender   | 0.15mm  | 0.30mm  | AD73005030         | AD73005045         | AD73005060         | AD73005090         |
| 32         | Yellow     | 0.10mm  | 0.23mm  | AD73205030         | AD73205045         | AD73205060         | AD73205090         |
| 34         | Lime       | 0.08mm  | 0.21mm  | AD73405030         | AD73405045         | AD73405060         | AD73405090         |

## Features and Benefits - Angled Bend Tips 1/2" Long

- 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
- Angled bend tube design for hard to reach places and inside components

**Angled Tube Tips** Molded polypropylene hub to stainless steel tube for glues, liquids, gels, sealants and adhesives.

Tube length of 0.5 - 12.7mm.

With angles of 30°, 45°, 60° and 90° bend tubes.

In tube diameters of 1.55mm ID to 0.08mm ID.

Colour coded hubs for easy identification.

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

Easy dispensing for difficult to reach spaces.

Tube ends are polished to provide better performance



# Precision Bend Tips 1" Long

Precision bend angled tips have UV filtering hubs and are suitable for dispensing most adhesives, gels, silicones, pastes, glues and coatings. Angled tips are made from polypropylene hubs to stainless steel tubes with a choice of tube length and angle. Tips are colour coded for gauge size. Can be used with both manual and pneumatic dispensers up to a pressure of 100 PSI. All components are silicone-free and certified industrial grade safe.



| Gauge Size | Hub Colour | Tube ID | Tube OD | 1" Long 30° Bend | 1" Long 45° Bend | 1" Long 60° Bend | 1" Long 90° Bend |
|------------|------------|---------|---------|------------------|------------------|------------------|------------------|
| 14         | Olive      | 1.55mm  | 1.83mm  | AD71410030       | AD71410045       | AD71410060       | AD71410090       |
| 15         | Amber      | 1.37mm  | 1.65mm  | AD71510030       | AD71510045       | AD71510060       | AD71510090       |
| 16         | Grey       | 1.19mm  | 1.64mm  | AD71610030       | AD71610045       | AD71610060       | AD71610090       |
| 17         | Lt. Amber  | 1.04mm  | 1.32mm  | AD71710030       | AD71710045       | AD71710060       | AD71710090       |
| 18         | Green      | 0.84mm  | 1.27mm  | AD71810030       | AD71810045       | AD71810060       | AD71810090       |
| 19         | Dk. Brown  | 0.83mm  | 1.09mm  | AD71910030       | AD71910045       | AD71910060       | AD71910090       |
| 20         | Pink       | 0.61mm  | 0.91mm  | AD72010030       | AD72010045       | AD72010060       | AD72010090       |
| 21         | Purple     | 0.51mm  | 0.81mm  | AD72110030       | AD72110045       | AD72110060       | AD72110090       |
| 22         | Blue       | 0.41mm  | 0.71mm  | AD72210030       | AD72210045       | AD72210060       | AD72210090       |
| 23         | Orange     | 0.33mm  | 0.64mm  | AD72310030       | AD72310045       | AD72310060       | AD72310090       |
| 25         | Red        | 0.25mm  | 0.51mm  | AD72510030       | AD72510045       | AD72510060       | AD72510090       |
| 26         | Peach      | 0.24mm  | 0.45mm  | AD72610030       | AD72610045       | AD72610060       | AD72610090       |
| 27         | Clear      | 0.20mm  | 0.41mm  | AD72710030       | AD72710045       | AD72710060       | AD72710090       |
| 28         | White      | 0.19mm  | 0.39mm  | AD72810030       | AD72810045       | AD72810060       | AD72810090       |
| 30         | Lavender   | 0.15mm  | 0.30mm  | AD73010030       | AD73010045       | AD73010060       | AD73010090       |

## Features and Benefits - Angled Bend Tips 1" Long

- 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
- Angled bend tube design for hard to reach places and inside components

**Angled Tube Tips** Molded polypropylene hub to stainless steel tube for glues, liquids, gels, sealants and adhesives.

Tube length of 1 - 25.4mm.

With angles of 30°, 45°, 60° and 90° bend tubes.

In tube diameters of 1.55mm ID to 0.08mm ID.

Colour coded hubs for easy identification.

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

Easy dispensing for difficult to reach spaces.

Tube ends are polished to provide better performance



# Precision Bend Tips 1.5" Long

Precision bend angled tips have UV filtering hubs and are suitable for dispensing most adhesives, gels, silicones, pastes, glues and coatings. Angled tips are made from polypropylene hubs to stainless steel tubes with a choice of tube length and angle. Tips are colour coded for gauge size. Can be used with both manual and pneumatic dispensers up to a pressure of 100 PSI. All components are silicone-free and certified industrial grade safe.



| Gauge Size | Hub Colour | Tube ID | Tube OD | 1.5" 30° Bend | 1.5" 45° Bend | 1.5" 60° Bend | 1.5" 90° Bend |
|------------|------------|---------|---------|---------------|---------------|---------------|---------------|
| 14         | Olive      | 1.55mm  | 1.83mm  | AD71415030    | AD71415045    | AD71415060    | AD71415090    |
| 15         | Amber      | 1.37mm  | 1.65mm  | AD71515030    | AD71515045    | AD71515060    | AD71515090    |
| 16         | Grey       | 1.19mm  | 1.64mm  | AD71615030    | AD71615045    | AD71615060    | AD71615090    |
| 17         | Lt. Brown  | 1.04mm  | 1.32mm  | AD71715030    | AD71715045    | AD71715060    | AD71715090    |
| 18         | Green      | 0.84mm  | 1.27mm  | AD71815030    | AD71815045    | AD71815060    | AD71815090    |
| 19         | Dk. Brown  | 0.83mm  | 1.09mm  | AD71915030    | AD71915045    | AD71915060    | AD71915090    |
| 20         | Pink       | 0.61mm  | 0.91mm  | AD72015030    | AD72015045    | AD72015060    | AD72015090    |
| 21         | Purple     | 0.51mm  | 0.81mm  | AD72115030    | AD72115045    | AD72115060    | AD72115090    |
| 22         | Blue       | 0.41mm  | 0.71mm  | AD72215030    | AD72215045    | AD72215060    | AD72215090    |
| 23         | Orange     | 0.33mm  | 0.64mm  | AD72315030    | AD72315045    | AD72315060    | AD72315090    |
| 25         | Red        | 0.25mm  | 0.51mm  | AD72515030    | AD72515045    | AD72515060    | AD72515090    |
| 26         | Peach      | 0.24mm  | 0.45mm  | AD72615030    | AD72615045    | AD72615060    | AD72615090    |
| 27         | Clear      | 0.20mm  | 0.41mm  | AD72715030    | AD72715045    | AD72715060    | AD72715090    |
| 28         | White      | 0.19mm  | 0.39mm  | AD72815030    | AD72815045    | AD72815060    | AD72815090    |
| 30         | Lavender   | 0.15mm  | 0.30mm  | n/a           | AD73015045    | n/a           | AD73015090    |

## Features and Benefits - Angled Bend Tips 1.5" Long

- 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
- Angled bend tube design for hard to reach places and inside components

**Angled Tube Tips** Molded polypropylene hub to stainless steel tube for glues, liquids, gels, sealants and adhesives.

Tube length of 1.5 - 38.1mm.

With angles of 30°, 45°, 60° and 90° bend tubes.

In tube diameters of 1.55mm ID to 0.08mm ID.

Colour coded hubs for easy identification.

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

Easy dispensing for difficult to reach spaces.

Tube ends are polished to provide better performance



# E-Series Blunt End Tips

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



| Gauge Size | Hub Colour | Tube ID | Tube OD | 0.25" Tube | 0.50" Tube | 1.0" Tube | 1.5" Tube |
|------------|------------|---------|---------|------------|------------|-----------|-----------|
| 14         | Blue       | 1.60mm  | 1.90mm  | E14-1/4    | E14-1/2    | E14-1     | E14-15    |
| 15         | Clear      | 1.50mm  | 1.80mm  | E15-1/4    | E15-1/2    | E15-1     | E15-15    |
| 16         | White      | 1.40mm  | 1.60mm  | E16-1/4    | E16-1/2    | E16-1     | E16-15    |
| 17         | Natural    | 1.10mm  | 1.50mm  | E17-1/4    | E17-1/2    | E17-1     | E17-15    |
| 18         | Pink       | 0.84mm  | 1.27mm  | E18-1/4    | E18-1/2    | E18-1     | E18-15    |
| 19         | Cream      | 0.70mm  | 1.05mm  | E19-1/4    | E19-1/2    | E19-1     | E19-15    |
| 20         | Yellow     | 0.61mm  | 0.91mm  | E20-1/4    | E20-1/2    | E20-1     | E20-15    |
| 21         | Green      | 0.51mm  | 0.81mm  | E21-1/4    | E21-1/2    | E21-1     | E21-15    |
| 22         | Grey       | 0.41mm  | 0.71mm  | E22-1/4    | E22-1/2    | E22-1     | E22-15    |
| 23         | Lt. Blue   | 0.33mm  | 0.64mm  | E23-1/4    | E23-1/2    | E23-1     | E12-15    |
| 25         | Orange     | 0.25mm  | 0.51mm  | E25-1/4    | E25-1/2    | E25-1     | E25-15    |
| 26         | Brown      | 0.24mm  | 0.45mm  | E26-1/4    | E26-1/2    | E26-1     | E26-15    |
| 27         | Lt. Grey   | 0.20mm  | 0.41mm  | E27-1/4    | E27-1/2    | E27-1     | E27-15    |
| 28         | Lt. Brown  | 0.18mm  | 0.36mm  | E28-1/4    | E28-1/2    | E28-1     | E28-15    |
| 30         | Lt. Yellow | 0.15mm  | 0.30mm  | E30-1/4    | E30-1/2    | E30-1     | E30-15    |

## Features and Benefits - E-Series Budget Needle Tips

- Free of flash, burrs, and contaminants
- Package labels include batch numbers for process control and traceability
- Luer locking thread ensures safe, positive attachment to syringe barrel
- Engineered hub flats for easy twist on, twist off
- Low cost tip range ideal for use with 2-part epoxy resins.

**Precision General Purpose** passivated stainless steel tips for dispensing most fluids, pastes and adhesives.

In tube lengths of 1/4", 1/2", 1", 1.5".

In tube diameters from 1.60mm ID to 0.18mm ID.

Colour coded polypropylene hubs to stainless steel tubes.

In bulk value packs of 1000 pieces.

Blunt tube ends are polished to provide better performance.

Great value tips for high volume users.

For use with manual and pneumatic dispensers.





# Crimped Hub Tips

Crimped hub tips are available in a wide range of gauge sizes and tube lengths. A luer lock polypropylene colour coded hub uses an aluminium crimp insert to secure to the blunt end burr-free tube. Suitable for dispensing most materials including more aggressive solvent based adhesives and glues.

| Gauge Size | Hub Colour | Tube ID | Tube OD | 0.25" Tube | 0.5" Tube | 1" Tube  |
|------------|------------|---------|---------|------------|-----------|----------|
| 14         | Olive      | 1.55mm  | 1.82mm  | TES14025   | TES14050  | TES14100 |
| 15         | Lt. Grey   | 1.37mm  | 1.65mm  | TES15025   | TES15050  | TES15100 |
| 16         | Dk. Grey   | 1.19mm  | 1.45mm  | TES16025   | TES16050  | TES16100 |
| 17         | Lt. Brown  | 1.04mm  | 1.35mm  | TES17025   | TES17050  | TES17100 |
| 18         | Green      | 0.84mm  | 1.27mm  | TES18025   | TES18050  | TES18100 |
| 18         | Pink       | 0.84mm  | 1.27mm  | n/a        | TS18-1/2  | TS18-1   |
| 19         | Dk. Green  | 0.70mm  | 1.05mm  | TES19025   | TES19050  | TES19100 |
| 19         | Brown      | 0.71mm  | 1.14mm  | n/a        | TS19-1/2  | TS19-1   |
| 20         | Pink       | 0.61mm  | 0.91mm  | TES20025   | TES20050  | TES20100 |
| 20         | Yellow     | 0.61mm  | 0.91mm  | n/a        | TS20-1/2  | TS20-1   |
| 21         | Purple     | 0.51mm  | 0.81mm  | TES21025   | TES21050  | TES21100 |
| 21         | Green      | 0.51mm  | 0.81mm  | n/a        | TS21-1/2  | TS21-1   |
| 22         | Lt. Blue   | 0.41mm  | 0.71mm  | TES22025   | TES22050  | TES22100 |
| 22         | Black      | 0.41mm  | 0.71mm  | n/a        | TS22-1/2  | TS22-1   |
| 23         | Orange     | 0.33mm  | 0.64mm  | TES23025   | TES23050  | TES23100 |
| 23         | Blue       | 0.33mm  | 0.64mm  | n/a        | TS23-1/2  | n/a      |
| 24         | Lt. Green  | 0.30mm  | 0.56mm  | TES24025   | TES24050  | TES24100 |
| 25         | Red        | 0.25mm  | 0.51mm  | TES25025   | TES25050  | TES25100 |
| 26         | Lt. Yellow | 0.24mm  | 0.50mm  | TES26025   | TES26050  | TES26100 |
| 26         | Beige      | 0.24mm  | 0.50mm  | n/a        | TS26-1/2  | TS26-1   |
| 27         | Clear      | 0.21mm  | 0.41mm  | TES27025   | TES27050  | TES27100 |
| 27         | Grey       | 0.21mm  | 0.41mm  | TS27-1/4   | n/a       | n/a      |
| 30         | Lavender   | 0.15mm  | 0.30mm  | TS30-1/4   | TS30-1/2  | n/a      |



## Features and Benefits - Crimped Hub 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
- Luer locking thread ensures safe, positive attachment to syringe barrel
- Engineered hub flats for easy twist on, twist off
- Crimped hub to stainless steel tube will dispense more aggressive solvents and chemicals

**Crimped Hub Tips** for solvents, glues, liquids, gels, inks, sealants and adhesives.

Tube lengths of 0.25", 0.5" and 1.0".

Stainless steel tube is aluminium crimped to the polypropylene hub.

In tube diameters of 1.55mm ID to 0.71mm ID.

Luer lock colour coded hubs for easy identification.

In boxes of 50 or bulk packs of 500 pieces.



# Aluminium Hub Tips

Aluminium hub tips are available in a wide range of gauge sizes and tube lengths. A luer lock metal hub to blunt end burr-free tube. Suitable for most materials including very aggressive solvent based adhesives and chemicals.



| Gauge Size | Tip Colour | Tube ID | Tube OD | 0.5" Long Tube | 1" Long Tube | 1.5" Long Tube | 2" Long Tube |
|------------|------------|---------|---------|----------------|--------------|----------------|--------------|
| 14         | Silver     | 1.55mm  | 1.82mm  | TS14-1/2M      | TS14-1M      | TS14-15M       | TS14-2M      |
| 15         | Silver     | 1.37mm  | 1.69mm  | TS15-1/2M      | TS15-1M      | TS15-15M       | TS15-2M      |
| 16         | Silver     | 1.19mm  | 1.45mm  | TS16-1/2M      | TS16-1M      | TS16-15M       | TS16-2M      |
| 17         | Silver     | 1.04mm  | 1.32mm  | TS17-1/2M      | TS17-1M      | TS17-15M       | TS17-2M      |
| 18         | Silver     | 0.84mm  | 1.27mm  | TS18-1/2M      | TS18-1M      | TS18-15M       | TS18-2M      |
| 20         | Silver     | 0.71mm  | 1.14mm  | TS20-1/2M      | TS20-1M      | TS20-15M       | TS20-2M      |

## Features and Benefits - Aluminium Hub 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
- Luer locking thread ensures safe attachment to syringe barrel
- Engineered hub flats for easy twist on, twist off
- Aluminium hub to stainless steel tube will handle aggressive solvents and chemicals

**Aluminium Hub Tips** for solvents, glues, liquids, gels, inks, sealants and aggressive chemicals.

Tube lengths of 0.5", 1", 1.5" and 2".

Stainless steel tube is welded to the aluminium hub.

In tube diameters of 1.55mm ID to 0.71mm ID.

Luer lock silver colour hubs.

In boxes of 50 or bulk packs of 500 pieces.

Use with syringe barrels, dispensing valves, cartridges.

A very robust range of tips for dispensing materials that would affect standard tips.



# ESD Safe Tips

ESD safe dispensing tips to avoid static build-up when used with electronic or similar sensitive components. In a range of tip styles and diameters. Blunt end precision or smooth flow tapered. Supplied in boxes of 50.



| Gauge | ID     | 0.25" Long | 0.5" Long | 1.0" Long | 0.5" 45 Bend | 0.5" 90 Bend | 1.0" 45 Bend | 1.0" 90 Bend | Tapered   |
|-------|--------|------------|-----------|-----------|--------------|--------------|--------------|--------------|-----------|
| 14    | 1.55mm | 714025ESD  | 714050ESD | 714100ESD | 71405045ESD  | 71405090ESD  | 71410045ESD  | 71410090ESD  | AD14TTESD |
| 15    | 1.37mm | 715025ESD  | 715050ESD | 715100ESD | 71505045ESD  | 71505090ESD  | 71510045ESD  | 71510090ESD  | n/a       |
| 16    | 1.22mm | 716025ESD  | 716050ESD | 716100ESD | 71605045ESD  | 71605090ESD  | 71610045ESD  | 71610090ESD  | AD16TTESD |
| 17    | 1.04mm | 717025ESD  | 717050ESD | 717100ESD | 71705045ESD  | 71705090ESD  | 71710045ESD  | 71710090ESD  | n/a       |
| 18    | 0.84mm | 718025ESD  | 718050ESD | 718100ESD | 71805045ESD  | 71805090ESD  | 71810045ESD  | 71810090ESD  | AD18TTESD |
| 19    | 0.70mm | 719025ESD  | 719050ESD | 719100ESD | 71905045ESD  | 71905090ESD  | 71910045ESD  | 71910090ESD  | n/a       |
| 20    | 0.60mm | 720025ESD  | 720050ESD | 720100ESD | 72005045ESD  | 72005090ESD  | 72010045ESD  | 72010090ESD  | AD20TTESD |
| 21    | 0.51mm | 721025ESD  | 721050ESD | 721100ESD | 72105045ESD  | 72105090ESD  | 72110045ESD  | 72110090ESD  | n/a       |
| 22    | 0.41mm | 722025ESD  | 722050ESD | 722100ESD | 72205045ESD  | 72205090ESD  | 72210045ESD  | 72210090ESD  | AD22TTESD |
| 23    | 0.34mm | 723025ESD  | 723050ESD | 723100ESD | 72305045ESD  | 72305090ESD  | 72310045ESD  | 72310090ESD  | n/a       |
| 24    | 0.30mm | 724025ESD  | 724050ESD | 724100ESD | 72405045ESD  | 72405090ESD  | 72410045ESD  | 72410090ESD  | n/a       |
| 25    | 0.26mm | 725025ESD  | 725050ESD | 725100ESD | 72505045ESD  | 72505090ESD  | 72510045ESD  | 72510090ESD  | AD25TTESD |
| 26    | 0.24mm | 726025ESD  | 726050ESD | 726100ESD | 72605045ESD  | 72605090ESD  | 72610045ESD  | 72610090ESD  | n/a       |
| 27    | 0.21mm | 727025ESD  | 727050ESD | 727100ESD | 72705045ESD  | 72705090ESD  | 72710045ESD  | 72710090ESD  | AD27TTESD |
| 28    | 0.19mm | 728025ESD  | 728050ESD | 728100ESD | 72805045ESD  | 72805090ESD  | 72810045ESD  | 72810090ESD  | n/a       |
| 30    | 0.16mm | 730025ESD  | 730050ESD | 730100ESD | 73005045ESD  | 73005090ESD  | 73010045ESD  | 73010090ESD  | n/a       |

## Features and Benefits - ESD Safe Dispensing 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
- Eliminates the danger of high charges generated by conventional tips.

**ESD Safe Tips** are designed for most liquids, gels, pastes and adhesives and eliminate static build-up for electronic applications.

Diameters from 1.55mm ID to 0.16mm ID. Also ideal for UV Cure.  
Black polypropylene hub to stainless steel straight tubes  
45° and 90° angled bend or smooth flow tapered design.  
In boxes of 50 pieces or bulk value packs of 1000 pieces.



# UV Light Blocking Tips

Black colour dispensing tips for use with UV cure and light sensitive adhesives. Opaque colour blocks the light to ensure the adhesive does not react or cure. Supplied in boxes of 50.



## Needle Tips

| Gauge | ID     | OD     | 0.25" Long | 0.5" Long |
|-------|--------|--------|------------|-----------|
| 25    | 0.26mm | 0.52mm | 925025UV   | 925050UV  |
| 26    | 0.25mm | 0.46mm | 926025UV   | 926050UV  |
| 27    | 0.21mm | 0.42mm | 927025UV   | 927050UV  |
| 30    | 0.16mm | 0.31mm | 930025UV   | 930050UV  |
| 32    | 0.11mm | 0.23mm | 932025UV   | 932050UV  |

## Tapered Tips

| Gauge | Outlet ID | Total Tip Length | Part Code |
|-------|-----------|------------------|-----------|
| 14    | 1.55mm    | 31.75mm          | AD14TTUV  |
| 16    | 1.22mm    | 31.75mm          | AD16TTUV  |
| 18    | 0.84mm    | 31.75mm          | AD18TTUV  |
| 20    | 0.61mm    | 31.75mm          | AD20TTUV  |
| 22    | 0.41mm    | 31.75mm          | AD20TTUV  |
| 25    | 0.33mm    | 31.75mm          | AD25TTUV  |
| 27    | 0.33mm    | 31.75mm          | AD27TTUV  |
| 30    | 0.15mm    | 31.75mm          | AD30TTUV  |
| 32    | 0.10mm    | 31.75mm          | AD32TTUV  |

## Features and Benefits - UV Block Dispensing 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
- Protect UV cure adhesives from light

**UV Light Blocking Tips** for low viscosity liquids in tube lengths of 1/4" and 1/2" or tapered.

Diameters from 0.10mm ID to 1.55mm ID.

Black polypropylene opaque hub to stainless steel straight tubes or tapered polyethylene.

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





# PTFE Lined Crimped Tips

The perfect choice when dispensing tip for Cyanoacrylate adhesives. A PTFE Teflon tube insert is crimped inside a stainless steel tube to ensure that the adhesives does not contact metal and react. A double helix luer lock colour coded hub for leak free attachment under high pressure. The PTFE protrudes out of the ,etal tube end and is soft to prevent scratching or damage to sensitive substrates. Three tube lengths and three gauge sizes.



| Gauge Size | Hub Colour | Tube ID mm | Tube ID Inch | 1/4" Long Tube | 1/2" Long Tube | 1" Long Tube |
|------------|------------|------------|--------------|----------------|----------------|--------------|
| 21         | Grey       | 0.51mm     | 0.020"       | 5121TLCQ-B     | 5121TLC-S-B    | 5121TLC-B    |
| 25         | Pink       | 0.30mm     | 0.012"       | 5125TLCQ-B     | 5125TLC-S-B    | 5125TLC-B    |
| 27         | Red        | 0.20mm     | 0.008"       | 5127TLCQ-B     | 5127TLC-S-B    | 5127TLC-B    |

## Features and Benefits - PTFE Lined 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
- PTFE prevents Cyanoacrylate adhesives from clogging.

**PTFE Lined Crimped Tips** are designed for clog-free dispensing of Cyanoacrylate adhesives that react to standard tips.

In tube lengths of 1/4", 1/2 and 1".

In tube diameters from 0.51mm ID to 0.20mm ID.

Colour coded polypropylene hubs to stainless steel tubes with a PTFE crimped tube insert.

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



# Teflon PTFE Flexible Tube Tips

The ideal dispensing tip for Cyanoacrylate adhesives. A PTFE Teflon flexible tube to a double helix luer lock colour coded hub for leak free attachment under pressure. The Teflon tube is soft to prevent scratching or damage to sensitive substrates. A wide range of tube sizes are available and we can assemble these to any length required.



| Gauge | Hub Colour | Tube ID | Tube OD | 1/4" Tube | 1/2" Tube | 1" Tube | 1.5" Tube | 2" Tube | 3" Tube | 4" Tube | 5" Tube |
|-------|------------|---------|---------|-----------|-----------|---------|-----------|---------|---------|---------|---------|
| 14    | Olive      | 1.68mm  | 2.23mm  | TF14-1/2  | TS14-1/2  | TF14-1  | TF14-15   | TF14-2  | TF14-3  | TF14-4  | TF15-5  |
| 15    | White      | 1.50mm  | 2.10mm  | TF15-1/4  | TF15-1/2  | TF15-1  | TF15-15   | TF15-2  | TF15-3  | TF15-4  | TF15-5  |
| 16    | Purple     | 1.34mm  | 1.94mm  | TF16-1/4  | TF16-1/2  | TF16-1  | TF16-15   | TF16-2  | TF16-3  | TF16-4  | TF16-5  |
| 17    | Lt. Brown  | 1.19mm  | 1.79mm  | TF17-1/4  | TF17-1/2  | TF17-1  | TF17-15   | TF17-2  | TF17-3  | TF17-4  | TF17-5  |
| 18    | Amber      | 1.07mm  | 1.67mm  | TF18-1/4  | TF18-1/2  | TF18-1  | TF18-15   | TF18-2  | TF18-3  | TF18-4  | TF18-5  |
| 19    | Dk. Green  | 0.96mm  | 1.56mm  | TF19-1/4  | TF19-1/2  | TF19-1  | TF19-15   | TF19-2  | TF19-3  | TF19-4  | TF19-5  |
| 20    | Yellow     | 0.86mm  | 1.46mm  | TF20-1/4  | TF20-1/2  | TF20-1  | TF20-15   | TF20-2  | TF20-3  | TF20-4  | TF20-5  |
| 21    | Dk. Brown  | 0.81mm  | 1.31mm  | TF21-1/4  | TF21-1/2  | TF21-1  | TF21-15   | TF21-2  | TF21-3  | TF21-4  | TF21-5  |
| 22    | Black      | 0.71mm  | 1.21mm  | TF22-1/4  | TF22-1/2  | TF22-1  | TF22-15   | TF22-2  | TF22-3  | TF22-4  | TF22-5  |
| 23    | Lt. Blue   | 0.66mm  | 1.16mm  | TF23-1/4  | TF23-1/2  | TF23-1  | TF23-15   | TF23-2  | TF23-3  | TF23-4  | TF23-5  |
| 24    | Lt. Green  | 0.56mm  | 1.06mm  | TF23-1/4  | TF24-1/2  | TF24-1  | TF24-15   | TF24-2  | TF24-3  | TF24-4  | TF24-5  |
| 26    | Purple     | 0.46mm  | 0.86mm  | TF26-1/4  | TF26-1/2  | TF26-1  | TF26-15   | TF26-2  | TF26-3  | TF26-4  | TF26-5  |
| 28    | Dk. Blue   | 0.38mm  | 0.78mm  | TF28-1/4  | TF28-1/2  | TF28-1  | TF28-15   | TF28-2  | TF28-3  | TF28-4  | TF28-5  |
| 30    | Orange     | 0.30mm  | 0.70mm  | TF30-1/4  | TF30-1/2  | TF30-1  | TF30-15   | TF30-2  | TF30-3  | TF30-4  | TF30-5  |

## Features and Benefits - Teflon Flexible 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
- PTFE prevents Cyanoacrylate adhesives from clogging.

**Teflon Flexible Tips** are designed for clog-free dispensing of Cyanoacrylate adhesives and other liquids.

In tube diameters from 0.51mm ID to 0.20mm ID.  
 Colour coded polypropylene hubs to stainless flexible PTFE tube.  
 In boxes of 50 or bulk value packs of 500 or 1000 pieces.  
 Custom tube lengths are available.



# Flat End Oval Tips

Flat end tips deliver a wider and flatter band of adhesive placement to the substrate. Perfect for beads of materials where a flat deposit is required. With tube lengths of 0.5" and in five gauge size diameters. The double-helix luer lock hub provides safe leak free attachment under pressure. Stainless steel tubes are burr-free. All tips are silicone-free materials.



| Gauge Size | Hub Colour | Tube ID | Tube OD | Tube Length   | Part Code  |
|------------|------------|---------|---------|---------------|------------|
| 14         | Olive      | 1.55mm  | 1.85mm  | 0.5" (12.7mm) | AD714050VL |
| 15         | Amber      | 1.37mm  | 1.65mm  | 0.5" (12.7mm) | AD715050VL |
| 16         | Grey       | 1.19mm  | 1.45mm  | 0.5" (12.7mm) | AD716050VL |
| 17         | Brown      | 1.04mm  | 1.40mm  | 0.5" (12.7mm) | AD717050VL |
| 18         | Green      | 0.84mm  | 1.27mm  | 0.5" (12.7mm) | AD718050VL |

## Features and Benefits - Oval Flat End 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
- Crimped tube end provides a flatter, ribbon deposit of material.

**Oval Flat End Tips** are designed for most liquids, gels, pastes and adhesives where a wider, thinner ribbon bead is required.

In tube lengths of 1/2". Diameters from 1.55mm ID to 0.84mm ID.

Colour coded polypropylene hubs to stainless steel tubes with a flat ribbon outlet end. Spread the material with a thinner deposit.

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



# Metal Flat End Oval Tips

Flat end metal tips deliver a wider and flatter band of adhesive placement to the substrate. Perfect for beads of materials where a flat deposit is required. With tube lengths of 0.5" or 1" and in eleven gauge size diameters. The nickel plated luer lock hub provides safe leak free attachment under pressure. Stainless steel tubes are burr-free. All tips are silicone-free materials.



| Gauge Size | ID mm  | OD mm  | 0.5" Long Tube | 1.0" Long Tube |
|------------|--------|--------|----------------|----------------|
| 10         | 2.50mm | 3.30mm | SS10050F       | AD10100F       |
| 11         | 2.30mm | 2.95mm | SS11050F       | AD11100F       |
| 12         | 2.18mm | 2.77mm | SS12050F       | AD12100F       |
| 13         | 1.94mm | 2.40mm | SS13050F       | AD13100F       |
| 14         | 1.58mm | 2.10mm | SS14050F       | AD14100F       |
| 15         | 1.38mm | 1.84mm | AD15050F       | AD15100F       |
| 16         | 1.20mm | 1.65mm | AD16050F       | AD16100F       |
| 17         | 1.09mm | 1.59mm | AD17050F       | AD17100F       |
| 18         | 0.91mm | 1.25mm | AD18050F       | AD18100F       |
| 19         | 0.70mm | 1.10mm | AD19050F       | AD19100F       |
| 20         | 0.61mm | 0.90mm | AD20050F       | AD21050F       |

## Features and Benefits - Oval Flat End All Metal 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
- Standard luer lock thread ensures safe attachment to syringe barrel
- Engineered hub flats for easy twist on, twist off
- Crimped tube end provides a flatter, ribbon deposit of material.

**Oval Flat End Tips** are designed for most liquids, gels, pastes and adhesives where a wider, thinner ribbon bead is required.

In tube lengths of 1/2" or 1"

Tube diameters before outlet 2.5mm ID to 0.61mm ID.

Stainless steel tubes with a flat ribbon outlet end.

Spread the material with a thinner deposit.

In boxes of 12 pieces.





# All Metal High Precision Blunt Tips

All-metal high precision dispensing tips for automated or manual applications. Luer lock nickel plated brass hub to blunt-end stainless steel tube. We stock all standard gauge sizes and tube lengths but custom made versions are available on request.



| Gauge | Tube ID | Tube OD | 0.25" Long | 0.5" Long  | 1.0" Long | 1.5" Long | 2" Long  | 3" Long  | 4" Long  | 5" Long  | 6" Long  |
|-------|---------|---------|------------|------------|-----------|-----------|----------|----------|----------|----------|----------|
| 8     | 3.28mm  | 4.01mm  | TS8SS-1/4  | TS8SS-1/2  | TS8SS-1   | TS8SS-15  | TS8SS-2  | TS8SS-3  | TS8SS-4  | TS8SS-5  | TS8SS-6  |
| 9     | 2.87mm  | 3.69mm  | TS9SS-1/4  | TS9SS-1/2  | TS9SS-1   | TS9SS-15  | TS9SS-2  | TS9SS-3  | TS9SS-4  | TS9SS-5  | TS9SS-6  |
| 10    | 2.50mm  | 3.30mm  | TS10SS-1/4 | TS10SS-1/2 | TS10SS-1  | TS10SS-15 | TS10SS-2 | TS10SS-3 | TS10SS-4 | TS10SS-5 | TS10SS-6 |
| 11    | 2.30mm  | 2.95mm  | TS11SS-1/4 | TS11SS-1/2 | TS10SS-1  | TS10SS-15 | TS10SS-2 | TS10SS-3 | TS10SS-4 | TS10SS-5 | TS10SS-6 |
| 12    | 2.18mm  | 2.77mm  | TS12SS-1/4 | TS12SS-1/2 | TS12SS-1  | TS12SS-15 | TS12SS-2 | TS12SS-3 | TS12SS-4 | TS12SS-5 | TS12SS-6 |
| 13    | 1.94mm  | 2.40mm  | TS13SS-1/4 | TS13SS-1/2 | TS13SS-1  | TS13SS-15 | TS13SS-2 | TS13SS-3 | TS13SS-4 | TS13SS-5 | TS13SS-6 |
| 14    | 1.58mm  | 2.10mm  | TS14SS-1/4 | TS14SS-1/2 | TS14SS-1  | TS14SS-15 | TS14SS-2 | TS14SS-3 | TS14SS-4 | TS14SS-5 | TS14SS-6 |
| 15    | 1.38mm  | 1.84mm  | TS15SS-1/4 | TS15SS-1/2 | TS15SS-1  | TS15SS-15 | TS15SS-2 | TS15SS-3 | TS15SS-4 | TS15SS-5 | TS15SS-6 |
| 16    | 1.20mm  | 1.65mm  | TS16SS-1/4 | TS16SS-1/2 | TS16SS-1  | TS16SS-15 | TS16SS-2 | TS16SS-3 | TS16SS-4 | TS16SS-5 | TS16SS-6 |
| 17    | 1.09mm  | 1.59mm  | TS17SS-1/4 | TS17SS-1/2 | TS17SS-1  | TS17SS-15 | TS17SS-2 | TS17SS-3 | TS17SS-4 | TS17SS-5 | TS17SS-6 |
| 18    | 0.91mm  | 1.25mm  | TS18SS-1/4 | TS18SS-1/2 | TS18SS-1  | TS18SS-15 | TS18SS-2 | TS18SS-3 | TS18SS-4 | TS18SS-5 | TS18SS-6 |
| 19    | 0.70mm  | 1.10mm  | TS19SS-1/4 | TS19SS-1/2 | TS19SS-1  | TS19SS-15 | TS19SS-2 | TS19SS-3 | TS19SS-4 | TS19SS-5 | TS19SS-6 |
| 20    | 0.61mm  | 0.90mm  | TS20SS-1/4 | TS20SS-1/2 | TS20SS-1  | TS20SS-15 | TS20SS-2 | TS20SS-3 | TS20SS-4 | TS20SS-5 | TS20SS-6 |
| 21    | 0.51mm  | 0.81mm  | TS21SS-1/4 | TS21SS-1/2 | TS21SS-1  | TS21SS-15 | TS21SS-2 | TS22SS-3 | TS22SS-4 | TS22SS-5 | TS22SS-6 |
| 22    | 0.40mm  | 0.71mm  | TS22SS-1/4 | TS22SS-1/2 | TS22SS-1  | TS22SS-15 | TS22SS-2 | TS22SS-3 | TS22SS-4 | TS22SS-5 | TS22SS-6 |
| 23    | 0.34mm  | 0.64mm  | TS23SS-1/4 | TS23SS-1/2 | TS23SS-1  | TS23SS-15 | TS23SS-2 | TS23SS-3 | TS23SS-4 | TS23SS-5 | TS23SS-6 |
| 24    | 0.31mm  | 0.45mm  | TS24SS-1/4 | TS24SS-1/2 | TS24SS-1  | TS24SS-15 | TS24SS-2 | TS24SS-3 | TS24SS-4 | TS24SS-5 | TS24SS-6 |
| 25    | 0.26mm  | 0.51mm  | TS25SS-1/4 | TS25SS-1/2 | TS25SS-1  | TS25SS-15 | TS25SS-2 | TS25SS-3 | TS25SS-4 | TS25SS-5 | TS25SS-6 |
| 26    | 0.26mm  | 0.46mm  | TS26SS-1/4 | TS26SS-1/2 | TS26SS-1  | TS26SS-15 | TS26SS-2 | n/a      | n/a      | n/a      | n/a      |
| 27    | 0.21mm  | 0.41mm  | TS27SS-1/4 | TS27SS-1/2 | TS27SS-1  | TS27SS-15 | TS27SS-2 | n/a      | n/a      | n/a      | n/a      |
| 28    | 0.18mm  | 0.35mm  | TS28SS-1/4 | TS28SS-1/2 | TS28SS-1  | TS28SS-15 | TS28SS-2 | n/a      | n/a      | n/a      | n/a      |
| 29    | 0.17mm  | 0.34mm  | TS28SS-1/4 | TS28SS-1/2 | TS28SS-1  | TS28SS-15 | TS28SS-2 | n/a      | n/a      | n/a      | n/a      |
| 30    | 0.15mm  | 0.30mm  | TS30-1/4   | TS30-1/2   | TS30SS-1  | TS30SS-15 | n/a      | n/a      | n/a      | n/a      | n/a      |
| 32    | 0.10mm  | 0.23mm  | n/a        | TS32SS-1/2 | n/a       | n/a       | n/a      | n/a      | n/a      | n/a      | n/a      |

## Features and Benefits - Machined All Metal Precision 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
- Luer locking thread ensures safe attachment to syringe barrel
- Engineered hub flats for easy twist on, twist off
- Nickel brass hub to stainless steel tube for very high precision

**All Metal Tips** for dispensing most liquids and gels.  
 Tube lengths of 0.25", 0.5", 1", 1.5", 2", 3", 4", 5", 6".  
 Stainless steel tube is welded to the nickel brass hub.  
 In tube diameters of 3.28mm ID to 0.10mm ID.  
 In boxes of 10 pieces. Custom tube lengths made to order.



# All Metal Dual and Triple Tube Tips

All-metal high precision dispensing tips with two or three tube outlets. Luer lock nickel plated brass hub to stainless steel tubes. This range of tips are industrial grade safe and silicone-free materials.



| Gauge Size | Colour | Hub Material | Tube Material   | Tube ID | Tube OD | Tube Length | Dual Tube Tip | Triple Tube Tip |
|------------|--------|--------------|-----------------|---------|---------|-------------|---------------|-----------------|
| 15         | Silver | Nickel Brass | Stainless Steel | 1.38mm  | 1.84mm  | 12.7mm      | TS15DSS-1/2   | TS15TSS-1/2     |
| 16         | Silver | Nickel Brass | Stainless Steel | 1.20mm  | 1.65mm  | 12.7mm      | TS16DSS-1/2   | TS16TSS-1/2     |
| 17         | Silver | Nickel Brass | Stainless Steel | 1.09mm  | 1.59mm  | 12.7mm      | TS17DSS-1/2   | TS17TSS-1/2     |
| 18         | Silver | Nickel Brass | Stainless Steel | 0.91mm  | 1.25mm  | 12.7mm      | TS18DSS-1/2   | TS18TSS-1/2     |
| 19         | Silver | Nickel Brass | Stainless Steel | 0.70mm  | 1.10mm  | 12.7mm      | TS19DSS-1/2   | TS19TSS-1/2     |
| 20         | Silver | Nickel Brass | Stainless Steel | 0.60mm  | 0.90mm  | 12.7mm      | TS20DSS-1/2   | TS20TSS-1/2     |
| 21         | Silver | Nickel Brass | Stainless Steel | 0.51mm  | 0.81mm  | 12.7mm      | TS21DSS-1/2   | TS21TSS-1/2     |
| 22         | Silver | Nickel Brass | Stainless Steel | 0.40mm  | 0.71mm  | 12.7mm      | TS22DSS-1/2   | TS22TSS-1/2     |
| 23         | Silver | Nickel Brass | Stainless Steel | 0.34mm  | 0.63mm  | 12.7mm      | TS23DSS-1/2   | TS23TSS-1/2     |
| 25         | Silver | Nickel Brass | Stainless Steel | 0.26mm  | 0.51mm  | 12.7mm      | TS25DSS-1/2   | TS25TSS-1/2     |
| 26         | Silver | Nickel Brass | Stainless Steel | 0.25mm  | 0.46mm  | 12.7mm      | TS26DSS-1/2   | TS26TSS-1/2     |
| 27         | Silver | Nickel Brass | Stainless Steel | 0.21mm  | 0.41mm  | 12.7mm      | TS27DSS-1/2   | TS27TSS-1/2     |

## Features and Benefits - Machined All Metal Precision 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
- Luer locking thread ensures safe attachment to syringe barrel
- Engineered hub flats for easy twist on, twist off
- Nickel brass hub to stainless steel tube for very high precision

**All Metal Tips** for dispensing most liquids and gels.

Tube length of 0.5".

Stainless steel tube is welded to the nickel brass hub.

In tube diameters of 1.38mm ID to 0.21mm ID.

In boxes of 12 pieces.

Safe to use to 100 PSI.



# High Precision Metal Tapered Tips

All-metal tapered tips for high precision dispensing without back pressure.

## Features and Benefits - All Metal Tapered Tips

- Free of flash, burrs, and contaminants
- Labels include batch numbers for process control and traceability
- Consistent from style to style and batch to batch
- Luer locking ensures safe attachment to syringe barrel
- Tapered design for less back pressure dispensing
- Stainless steel build for very high precision

**All Metal MMT Taper Tips** for most liquids and gels

for high precision on automated assembly systems.

Length of 18.25mm. Standard luer lock.

Stainless steel full assembly.

In diameters of 0.10mm ID to 1.40mm ID.

Sold each.



| Tip ID mm | Tip ID Inch | Part Code |
|-----------|-------------|-----------|
| 1.40mm    | 0.055"      | MMT140    |
| 1.30mm    | 0.051"      | MMT130    |
| 1.20mm    | 0.047"      | MMT120    |
| 1.10mm    | 0.043"      | MMT110    |
| 1.00mm    | 0.040"      | MMT100    |
| 0.90mm    | 0.035"      | MMT009    |
| 0.80mm    | 0.030"      | MMT008    |
| 0.70mm    | 0.028"      | MMT007    |
| 0.60mm    | 0.023"      | MMT006    |
| 0.50mm    | 0.019"      | MMT005    |
| 0.45mm    | 0.018"      | MMT045    |
| 0.40mm    | 0.016"      | MMT004    |
| 0.35mm    | 0.014"      | MMT035    |
| 0.30mm    | 0.012"      | MMT003    |
| 0.25mm    | 0.010"      | MMT025    |
| 0.23mm    | 0.009"      | MMT023    |
| 0.20mm    | 0.008"      | MMT002    |
| 0.18mm    | 0.007"      | MMT018    |
| 0.15mm    | 0.006"      | MMT015    |
| 0.10mm    | 0.004"      | MMT001    |

## Features and Benefits All Metal Tapered Tips

- Free of flash, burrs, and contaminants
- Labels include batch numbers for process control and traceability
- Consistent from style to style and batch to batch
- Luer locking ensures safe attachment to syringe barrel
- Tapered design for less back pressure dispensing
- Stainless steel build for very high precision

**All Metal MMTH Taper Tips** for most liquids and gels for high precision on automated assembly systems.

Length of 22.2mm. Double helix luer lock thread.

Type 303 stainless steel full assembly.

Metal tips are very robust for long term use.

In diameters of 0.10mm ID to 0.60mm ID.

Sold each.

| Tip ID mm | Tip OD mm | Gauge | Length | Part Code |
|-----------|-----------|-------|--------|-----------|
| 0.60mm    | 0.70mm    | 0.6N  | 22.2mm | MMT006H   |
| 0.50mm    | 0.60mm    | 0.5N  | 22.2mm | MMT005H   |
| 0.45mm    | 0.55mm    | 0.45N | 22.2mm | MMT045H   |
| 0.40mm    | 0.50mm    | 0.4N  | 22.2mm | MMT004H   |
| 0.35mm    | 0.45mm    | 0.35N | 22.2mm | MMT035H   |
| 0.30mm    | 0.40mm    | 0.3N  | 22.2mm | MMT003H   |
| 0.25mm    | 0.35mm    | 0.25N | 22.2mm | MMT025H   |
| 0.20mm    | 0.30mm    | 0.2N  | 22.2mm | MMT002H   |
| 0.15mm    | 0.25mm    | 0.15N | 22.2mm | MMT015H   |
| 0.10mm    | 0.20mm    | 0.1N  | 22.2mm | MMT001H   |



# High Precision Metal Tapered Tips

All-metal tapered tips for high precision dispensing without back pressure.

## Features and Benefits - All Metal Tapered Tips

- Free of flash, burrs, and contaminants
- Labels include batch numbers for process control and traceability
- Consistent from style to style and batch to batch
- Luer locking ensures safe attachment to syringe barrel
- Tapered design for less back pressure dispensing
- Stainless steel build for very high precision

**All Metal MMTT Taper Tips** for most liquids and gels for high precision on automated assembly systems.

Length of 23.25mm. Standard luer lock.

Stainless steel two piece assembly.

In diameters of 0.15mm ID to 1.20mm ID.

Unique 2-piece design easy cleaning.

Sold each.



| Tip ID mm | Tip ID Inch | Part Code |
|-----------|-------------|-----------|
| 1.20mm    | 0.047"      | MMT120T   |
| 1.10mm    | 0.043"      | MMT110T   |
| 1.00mm    | 0.040"      | MMT100T   |
| 0.90mm    | 0.035"      | MMT009T   |
| 0.80mm    | 0.030"      | MMT008T   |
| 0.70mm    | 0.028"      | MMT007T   |
| 0.60mm    | 0.023"      | MMT006T   |
| 0.50mm    | 0.019"      | MMT005T   |
| 0.45mm    | 0.018"      | MMT045T   |
| 0.40mm    | 0.016"      | MMT004T   |
| 0.35mm    | 0.014"      | MMT035T   |
| 0.30mm    | 0.012"      | MMT003T   |
| 0.25mm    | 0.010"      | MMT025T   |
| 0.20mm    | 0.008"      | MMT002T   |
| 0.15mm    | 0.006"      | MMT015T   |

**Metal MT Taper Tips** for most liquids and gels for high precision on automated assembly systems.

Stainless steel inner assembly with colour coded sleeve.

Length of 18.25mm.

Diameters of 0.23mm ID to 1.04mm ID.

Ideal for automated applications.

Colour coded for identification.

Secure thread to barrel or valve.

Thin walled outlet for accuracy.

Sold each.



| Colour | Tip ID mm | Tip ID Inch | Code     |
|--------|-----------|-------------|----------|
| Pink   | 1.04mm    | 0.041"      | MT18-PBN |
| Tan    | 0.86mm    | 0.034"      | MT19-PBN |
| Green  | 0.68mm    | 0.027"      | MT20-PBN |
| Blue   | 0.61mm    | 0.024"      | MT21-PBN |
| Purple | 0.56mm    | 0.022"      | MT23-PBN |
| White  | 0.43mm    | 0.017"      | MT25-PBN |
| Red    | 0.33mm    | 0.013"      | MT27-PBN |
| Black  | 0.23mm    | 0.009"      | MT30-PBN |

**Micron S Taper Tips** for most liquids and gels for high precision on automated assembly systems.

Stainless steel inner assembly with colour coded sleeve.

Length of 18.25mm.

Diameters of 0.06mm ID to 1.04mm ID.

Ideal for automated applications.

Colour coded for identification.

Secure thread to barrel or valve.

Thin walled outlet for accuracy.

Sold in packs of 8..



| Colour   | Tip ID mm | Tip ID Inch | Code    |
|----------|-----------|-------------|---------|
| Pink     | 1.04mm    | 0.041"      | 5901001 |
| Tan      | 0.86mm    | 0.034"      | 5901002 |
| Green    | 0.68mm    | 0.027"      | 5901003 |
| Blue     | 0.61mm    | 0.024"      | 5901004 |
| Purple   | 0.56mm    | 0.022"      | 5901005 |
| White    | 0.43mm    | 0.017"      | 5901006 |
| Red      | 0.33mm    | 0.013"      | 5901007 |
| Black    | 0.23mm    | 0.009"      | 5901008 |
| Dk. Blue | 0.16mm    | 0.006"      | 5901009 |
| Orange   | 0.11mm    | 0.004"      | 5901010 |
| Yellow   | 0.06mm    | 0.002"      | 5901011 |



# Brush Tips

Brush tips with luer lock hubs for coating, spreading, priming and gluing. Select gauge size and bristle diameter.

## Features and Benefits - Brush Tips

- Free of flash, burrs, and contaminants
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- 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
- UV bonded stainless steel tube to polypropylene hub construction

**Performance Brush Tips** Passivated stainless steel tube inner for brushing, spreading, coating, gluing.

In brush widths from 2mm to 14mm.

In gauge diameters 14 to 30 - 2.26mm ID to 0.08mm ID.

Soft sable or stiff nylon brushes - round, straight line, pointed or flat.

Colour coded luer hub to metal body.

Sold each or in packs of 10.

42mm total tip length.



| GA | Colour   | Width | Type  | Tube ID | Stiff        | Soft          | GA | Colour | Width | Type  | Tube ID | Stiff        | Soft          |
|----|----------|-------|-------|---------|--------------|---------------|----|--------|-------|-------|---------|--------------|---------------|
| 20 | Pink     | 2mm   | Round | 0.61mm  | AD-1001-20BT | AD-1001-20BTS | 23 | Orange | 4mm   | Round | 0.33mm  | AD-1005-23BT | AD-1005-23BTS |
| 21 | Purple   | 2mm   | Round | 0.51mm  | AD-1001-21BT | AD-1001-21BTS | 25 | Red    | 4mm   | Round | 0.25mm  | AD-1005-25BT | AD-1005-25BTS |
| 22 | Blue     | 2mm   | Round | 0.41mm  | AD-1001-22BT | AD-1001-22BTS | 27 | Clear  | 4mm   | Round | 0.20mm  | AD-1005-27BT | AD-1005-27BTS |
| 23 | Orange   | 2mm   | Round | 0.33mm  | AD-1001-23BT | AD-1001-23BTS | 14 | Olive  | 5mm   | Round | 1.55mm  | AD-1006-14BT | AD-1006-14BTS |
| 25 | Red      | 2mm   | Round | 0.25mm  | AD-1001-25BT | AD-1001-25BTS | 15 | Amber  | 5mm   | Round | 1.37mm  | AD-1006-15BT | AD-1006-15BTS |
| 27 | Clear    | 2mm   | Round | 0.20mm  | AD-1001-27BT | AD-1001-27BTS | 18 | Green  | 5mm   | Round | 0.84mm  | AD-1006-18BT | AD-1006-18BTS |
| 30 | Lavender | 2mm   | Round | 0.15mm  | AD-1001-30BT | AD-1001-30BTS | 20 | Pink   | 5mm   | Round | 0.61mm  | AD-1006-20BT | AD-1006-20BTS |
| 18 | Green    | 3mm   | Round | 0.84mm  | AD-1003-18BT | AD-1003-18BTS | 21 | Purple | 5mm   | Round | 0.51mm  | AD-1006-21BT | AD-1006-21BTS |
| 20 | Pink     | 3mm   | Round | 0.61mm  | AD-1003-20BT | AD-1003-20BTS | 22 | Blue   | 5mm   | Round | 0.41mm  | AD-1006-22BT | AD-1006-22BTS |
| 21 | Purple   | 3mm   | Round | 0.51mm  | AD-1003-21BT | AD-1003-21BTS | 23 | Orange | 5mm   | Round | 0.33mm  | AD-1006-23BT | AD-1006-23BTS |
| 22 | Blue     | 3mm   | Round | 0.41mm  | AD-1003-22BT | AD-1003-22BTS | 25 | Red    | 5mm   | Round | 0.25mm  | AD-1006-25BT | AD-1006-25BTS |
| 23 | Orange   | 3mm   | Round | 0.33mm  | AD-1003-23BT | AD-1003-23BTS | 27 | Clear  | 5mm   | Round | 0.20mm  | AD-1006-27BT | AD-1006-27BTS |
| 25 | Red      | 3mm   | Round | 0.25mm  | AD-1003-25BT | AD-1003-25BTS | 14 | Olive  | 5mm   | Line  | 1.55mm  | AD-1007-14BT | AD-1007-14BTS |
| 27 | Clear    | 3mm   | Round | 0.20mm  | AD-1003-27BT | AD-1003-27BTS | 15 | Amber  | 5mm   | Line  | 1.37mm  | AD-1007-15BT | AD-1007-15BTS |
| 18 | Green    | 3.5mm | Round | 0.84mm  | AD-1004-18BT | AD-1004-18BTS | 18 | Green  | 5mm   | Line  | 0.84mm  | AD-1007-18BT | AD-1007-18BTS |
| 20 | Pink     | 3.5mm | Round | 0.61mm  | AD-1004-20BT | AD-1004-20BTS | 20 | Pink   | 5mm   | Line  | 0.61mm  | AD-1007-20BT | AD-1007-20BTS |
| 21 | Purple   | 3.5mm | Round | 0.51mm  | AD-1004-21BT | AD-1004-21BTS | 21 | Purple | 5mm   | Line  | 0.51mm  | AD-1007-21BT | AD-1007-21BTS |
| 22 | Blue     | 3.5mm | Round | 0.41mm  | AD-1004-22BT | AD-1004-22BTS | 22 | Blue   | 5mm   | Line  | 0.41mm  | AD-1007-22BT | AD-1007-22BTS |
| 23 | Orange   | 3.5mm | Round | 0.33mm  | AD-1004-23BT | AD-1004-23BTS | 23 | Orange | 5mm   | Line  | 0.33mm  | AD-1007-23BT | AD-1007-23BTS |
| 25 | Red      | 3.5mm | Round | 0.25mm  | AD-1004-25BT | AD-1004-25BTS | 25 | Red    | 5mm   | Line  | 0.25mm  | AD-1007-25BT | AD-1007-25BTS |
| 27 | Clear    | 3.5mm | Round | 0.20mm  | AD-1004-27BT | AD-1004-27BTS | 27 | Clear  | 5mm   | Line  | 0.20mm  | AD-1007-27BT | AD-1007-27BTS |
| 14 | Olive    | 4mm   | Round | 1.55mm  | AD-1005-14BT | AD-1005-14BTS | 14 | Olive  | 6mm   | Flat  | 1.55mm  | AD-1008-14BT | AD-1008-14BTS |
| 15 | Amber    | 4mm   | Round | 1.37mm  | AD-1005-15BT | AD-1005-15BTS | 15 | Amber  | 6mm   | Flat  | 1.37mm  | AD-1008-15BT | AD-1008-15BTS |
| 18 | Green    | 4mm   | Round | 0.84mm  | AD-1005-18BT | AD-1005-18BTS | 18 | Green  | 6mm   | Flat  | 0.84mm  | AD-1008-18BT | AD-1008-18BTS |
| 20 | Pink     | 4mm   | Round | 0.61mm  | AD-1005-20BT | AD-1005-20BTS | 20 | Pink   | 6mm   | Flat  | 0.61mm  | AD-1008-20BT | AD-1008-20BTS |
| 21 | Purple   | 4mm   | Round | 0.51mm  | AD-1005-21BT | AD-1005-21BTS | 21 | Purple | 6mm   | Flat  | 0.51mm  | AD-1008-21BT | AD-1008-21BTS |
| 22 | Blue     | 4mm   | Round | 0.41mm  | AD-1005-22BT | AD-1005-22BTS | 22 | Blue   | 6mm   | Flat  | 0.41mm  | AD-1008-22BT | AD-1008-22BTS |





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In brush widths from 2mm to 14mm.

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Soft sable or stiff nylon brushes - round, straight line, pointed or flat.

Colour coded luer hub to metal body.

Sold each or in packs of 10.

42mm total tip length.

| GA | Colour | Width | Type  | Tube ID | Stiff        | Soft          |
|----|--------|-------|-------|---------|--------------|---------------|
| 23 | Orange | 6mm   | Flat  | 0.33mm  | AD-1008-23BT | AD-1008-23BTS |
| 25 | Red    | 6mm   | Flat  | 0.25mm  | AD-1008-25BT | AD-1008-25BTS |
| 27 | Clear  | 6mm   | Flat  | 0.20mm  | AD-1008-27BT | AD-1008-27BTS |
| 14 | Olive  | 6mm   | Round | 1.55mm  | AD-1009-14BT | AD-1009-14BTS |
| 15 | Amber  | 6mm   | Round | 1.37mm  | AD-1009-15BT | AD-1009-15BTS |
| 16 | Grey   | 6mm   | Round | 1.22mm  | AD-1009-16BT | AD-1009-16BTS |
| 18 | Green  | 6mm   | Round | 0.84mm  | AD-1009-18BT | AD-1009-18BTS |
| 20 | Pink   | 6mm   | Round | 0.61mm  | AD-1009-20BT | AD-1009-20BTS |
| 21 | Purple | 6mm   | Round | 0.51mm  | AD-1009-21BT | AD-1009-21BTS |
| 22 | Blue   | 6mm   | Round | 0.41mm  | AD-1009-22BT | AD-1009-22BTS |
| 23 | Orange | 6mm   | Round | 0.33mm  | AD-1009-23BT | AD-1009-23BTS |
| 25 | Red    | 6mm   | Round | 0.25mm  | AD-1009-25BT | AD-1009-25BTS |
| 27 | Clear  | 6mm   | Round | 0.20mm  | AD-1009-27BT | AD-1009-27BTS |
| 14 | Olive  | 7mm   | Round | 1.55mm  | AD-1010-14BT | AD-1010-14BTS |
| 15 | Amber  | 7mm   | Round | 1.37mm  | AD-1010-15BT | AD-1010-15BTS |
| 18 | Green  | 7mm   | Round | 0.84mm  | AD-1010-18BT | AD-1010-18BTS |
| 20 | Pink   | 7mm   | Round | 0.61mm  | AD-1010-20BT | AD-1010-20BTS |
| 21 | Purple | 7mm   | Round | 0.51mm  | AD-1010-21BT | AD-1010-21BTS |
| 22 | Blue   | 7mm   | Round | 0.41mm  | AD-1010-22BT | AD-1010-22BTS |
| 23 | Orange | 7mm   | Round | 0.33mm  | AD-1010-23BT | AD-1010-23BTS |
| 25 | Red    | 7mm   | Round | 0.25mm  | AD-1010-25BT | AD-1010-25BTS |
| 27 | Clear  | 7mm   | Round | 0.20mm  | AD-1010-27BT | AD-1010-27BTS |
| 14 | Olive  | 10mm  | Flat  | 1.55mm  | AD-1011-14BT | AD-1011-14BTS |
| 15 | Amber  | 10mm  | Flat  | 1.37mm  | AD-1011-15BT | AD-1011-15BTS |
| 18 | Green  | 10mm  | Flat  | 0.84mm  | AD-1011-18BT | AD-1011-18BTS |
| 20 | Pink   | 10mm  | Flat  | 0.61mm  | AD-1011-20BT | AD-1011-20BTS |
| 21 | Purple | 10mm  | Flat  | 0.51mm  | AD-1011-21BT | AD-1011-21BTS |
| 22 | Blue   | 10mm  | Flat  | 0.41mm  | AD-1011-22BT | AD-1011-22BTS |
| 23 | Orange | 10mm  | Flat  | 0.33mm  | AD-1011-23BT | AD-1011-23BTS |
| 25 | Red    | 10mm  | Flat  | 0.25mm  | AD-1011-25BT | AD-1011-25BTS |
| 27 | Clear  | 10mm  | Flat  | 0.20mm  | AD-1011-27BT | AD-1011-27BTS |
| 23 | Orange | 10mm  | Flat  | 0.33mm  | AD-1011-23BT | AD-1011-23BTS |
| 25 | Red    | 10mm  | Flat  | 0.25mm  | AD-1011-25BT | AD-1011-25BTS |
| 27 | Clear  | 10mm  | Flat  | 0.20mm  | AD-1011-27BT | AD-1011-27BTS |
| 14 | Olive  | 11mm  | Flat  | 1.55mm  | AD-1012-14BT | AD-1012-14BTS |
| 15 | Amber  | 11mm  | Flat  | 1.37mm  | AD-1012-15BT | AD-1012-15BTS |
| 18 | Green  | 11mm  | Flat  | 0.84mm  | AD-1012-18BT | AD-1012-18BTS |
| 20 | Pink   | 11mm  | Flat  | 0.61mm  | AD-1012-20BT | AD-1012-20BTS |
| 21 | Purple | 11mm  | Flat  | 0.51mm  | AD-1012-21BT | AD-1012-21BTS |
| 22 | Blue   | 11mm  | Flat  | 0.41mm  | AD-1012-22BT | AD-1012-22BTS |
| 23 | Orange | 11mm  | Flat  | 0.33mm  | AD-1012-23BT | AD-1012-23BTS |
| 25 | Red    | 11mm  | Flat  | 0.25mm  | AD-1012-25BT | AD-1012-25BTS |
| 27 | Clear  | 11mm  | Flat  | 0.20mm  | AD-1012-27BT | AD-1012-27BTS |
| 14 | Olive  | 4mm   | Point | 1.55mm  | AD-1013-14BT | AD-1013-14BTS |
| 15 | Amber  | 4mm   | Point | 1.37mm  | AD-1013-15BT | AD-1013-15BTS |
| 18 | Green  | 4mm   | Point | 0.84mm  | AD-1013-18BT | AD-1013-18BTS |
| 20 | Pink   | 4mm   | Point | 0.61mm  | AD-1013-20BT | AD-1013-20BTS |
| 21 | Purple | 4mm   | Point | 0.51mm  | AD-1013-21BT | AD-1013-21BTS |
| 22 | Blue   | 4mm   | Point | 0.41mm  | AD-1013-22BT | AD-1013-22BTS |
| 23 | Orange | 4mm   | Point | 0.33mm  | AD-1013-23BT | AD-1013-23BTS |
| 25 | Red    | 4mm   | Point | 0.25mm  | AD-1013-25BT | AD-1013-25BTS |
| 27 | Clear  | 4mm   | Point | 0.20mm  | AD-1013-27BT | AD-1013-27BTS |
| 18 | Green  | 4mm   | Round | 0.84mm  | AD-1014-14BT | AD-1014-14BTS |
| 20 | Pink   | 4mm   | Round | 0.61mm  | AD-1014-15BT | AD-1014-15BTS |
| 21 | Purple | 4mm   | Round | 0.51mm  | AD-1014-18BT | AD-1014-18BTS |
| 22 | Blue   | 4mm   | Round | 0.41mm  | AD-1014-20BT | AD-1014-20BTS |
| 23 | Orange | 4mm   | Round | 0.33mm  | AD-1014-21BT | AD-1014-21BTS |
| 25 | Red    | 4mm   | Round | 0.25mm  | AD-1014-22BT | AD-1014-22BTS |
| 27 | Clear  | 4mm   | Round | 0.20mm  | AD-1014-27BT | AD-1014-27BTS |



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| GA | Colour | Width | Type  | Tube ID | Stiff        | Soft          | GA | Colour | Width | Type  | Tube ID | Stiff        | Soft          |
|----|--------|-------|-------|---------|--------------|---------------|----|--------|-------|-------|---------|--------------|---------------|
| 14 | Olive  | 5mm   | Round | 1.55mm  | AD-1015-23BT | AD-1015-23BTS | 14 | Olive  | 12mm  | Flat  | 1.55mm  | AD-1019-14BT | AD-1019-14BTS |
| 15 | Amber  | 5mm   | Round | 1.37mm  | AD-1015-25BT | AD-1015-25BTS | 15 | Amber  | 12mm  | Flat  | 1.37mm  | AD-1019-15BT | AD-1019-15BTS |
| 18 | Green  | 5mm   | Round | 0.84mm  | AD-1015-27BT | AD-1015-27BTS | 18 | Green  | 12mm  | Flat  | 0.84mm  | AD-1019-18BT | AD-1019-18BTS |
| 20 | Pink   | 5mm   | Round | 0.61mm  | AD-1015-14BT | AD-1015-14BTS | 20 | Pink   | 12mm  | Flat  | 0.61mm  | AD-1019-20BT | AD-1019-20BTS |
| 21 | Purple | 5mm   | Round | 0.51mm  | AD-1015-15BT | AD-1015-15BTS | 21 | Purple | 12mm  | Flat  | 0.51mm  | AD-1019-21BT | AD-1019-21BTS |
| 22 | Blue   | 5mm   | Round | 0.41mm  | AD-1015-16BT | AD-1015-16BTS | 22 | Blue   | 12mm  | Flat  | 0.41mm  | AD-1019-22BT | AD-1019-22BTS |
| 23 | Orange | 5mm   | Round | 0.33mm  | AD-1015-18BT | AD-1015-18BTS | 23 | Orange | 12mm  | Flat  | 0.33mm  | AD-1019-23BT | AD-1019-23BTS |
| 25 | Red    | 5mm   | Round | 0.25mm  | AD-1015-20BT | AD-1015-20BTS | 25 | Red    | 12mm  | Flat  | 0.25mm  | AD-1019-25BT | AD-1019-25BTS |
| 27 | Clear  | 6mm   | Round | 0.20mm  | AD-1015-21BT | AD-1015-21BTS | 27 | Clear  | 12mm  | Flat  | 0.20mm  | AD-1019-27BT | AD-1019-27BTS |
| 14 | Olive  | 6mm   | Round | 1.55mm  | AD-1016-14BT | AD-1016-14BTS | 14 | Olive  | 14mm  | Flat  | 1.55mm  | AD-1012-23BT | AD-1019-23BTS |
| 15 | Amber  | 6mm   | Round | 1.37mm  | AD-1016-15BT | AD-1016-15BTS | 15 | Amber  | 14mm  | Flat  | 1.37mm  | AD-1012-25BT | AD-1019-25BTS |
| 18 | Green  | 6mm   | Round | 0.84mm  | AD-1016-18BT | AD-1016-18BTS | 18 | Green  | 14mm  | Flat  | 0.84mm  | AD-1012-27BT | AD-1019-27BTS |
| 20 | Pink   | 6mm   | Round | 0.61mm  | AD-1016-20BT | AD-1016-20BTS | 20 | Pink   | 14mm  | Point | 0.61mm  | AD-1013-14BT | AD-1013-14BTS |
| 21 | Purple | 6mm   | Round | 0.51mm  | AD-1016-21BT | AD-1016-21BTS | 21 | Purple | 14mm  | Point | 0.51mm  | AD-1013-15BT | AD-1013-15BTS |
| 22 | Blue   | 6mm   | Round | 0.41mm  | AD-1016-15BT | AD-1016-22BTS | 22 | Blue   | 14mm  | Point | 0.41mm  | AD-1013-18BT | AD-1013-18BTS |
| 23 | Orange | 6mm   | Round | 0.33mm  | AD-1016-23BT | AD-1016-23BTS | 23 | Orange | 14mm  | Point | 0.33mm  | AD-1013-20BT | AD-1013-20BTS |
| 25 | Red    | 6mm   | Round | 0.25mm  | AD-1016-25BT | AD-1016-25BTS | 25 | Red    | 14mm  | Point | 0.25mm  | AD-1013-21BT | AD-1013-21BTS |
| 27 | Clear  | 6mm   | Round | 0.20mm  | AD-1016-27BT | AD-1016-27BTS | 27 | Clear  | 14mm  | Flat  | 0.20mm  | AD-1013-22BT | AD-1013-22BTS |
| 14 | Olive  | 7mm   | Round | 1.55mm  | AD-1018-14BT | AD-1018-14BTS | 14 | Olive  | 4mm   | Flat  | 1.55mm  | n/a          | AD-1017-14S4  |
| 15 | Amber  | 7mm   | Round | 1.37mm  | AD-1018-15BT | AD-1018-15BTS | 15 | Amber  | 4mm   | Flat  | 1.37mm  | n/a          | AD-1017-15S4  |
| 18 | Green  | 7mm   | Round | 0.84mm  | AD-1018-18BT | AD-1018-18BTS | 18 | Green  | 4mm   | Flat  | 0.84mm  | n/a          | AD-1017-18S4  |
| 20 | Pink   | 7mm   | Round | 0.61mm  | AD-1018-20BT | AD-1018-20BTS | 20 | Pink   | 4mm   | Flat  | 0.61mm  | n/a          | AD-1017-20S4  |
| 21 | Purple | 7mm   | Round | 0.51mm  | AD-1018-21BT | AD-1018-21BTS | 21 | Purple | 4mm   | Flat  | 0.51mm  | n/a          | AD-1017-21S4  |
| 22 | Blue   | 7mm   | Round | 0.41mm  | AD-1018-22BT | AD-1018-22BTS | 22 | Blue   | 4mm   | Flat  | 0.41mm  | n/a          | AD-1017-22S4  |
| 23 | Orange | 7mm   | Round | 0.33mm  | AD-1018-23BT | AD-1018-23BTS | 23 | Orange | 4mm   | Flat  | 0.33mm  | n/a          | AD-1017-23S4  |
| 25 | Red    | 7mm   | Round | 0.25mm  | AD-1018-25BT | AD-1018-25BTS | 25 | Red    | 4mm   | Flat  | 0.25mm  | n/a          | AD-1017-25S4  |
| 27 | Clear  | 7mm   | Round | 0.20mm  | AD-1018-27BT | AD-1018-27BTS | 27 | Clear  | 4mm   | Flat  | 0.20mm  | n/a          | AD-1017-27S4  |



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42mm total tip length.



| GA | Colour | Width | Type | Tube ID | Stiff | Soft          |
|----|--------|-------|------|---------|-------|---------------|
| 14 | Olive  | 5mm   | Flat | 1.55mm  | n/a   | AD-1017-14S5  |
| 15 | Amber  | 5mm   | Flat | 1.37mm  | n/a   | AD-1017-15S5  |
| 18 | Green  | 5mm   | Flat | 0.84mm  | n/a   | AD-1017-18S5  |
| 20 | Pink   | 5mm   | Flat | 0.61mm  | n/a   | AD-1017-20S5  |
| 21 | Purple | 5mm   | Flat | 0.51mm  | n/a   | AD-1017-21S5  |
| 22 | Blue   | 5mm   | Flat | 0.41mm  | n/a   | AD-1017-22S5  |
| 23 | Orange | 5mm   | Flat | 0.33mm  | n/a   | AD-1017-23S5  |
| 25 | Red    | 5mm   | Flat | 0.25mm  | n/a   | AD-1017-27S5  |
| 27 | Clear  | 5mm   | Flat | 0.20mm  | n/a   | AD-1017-27S5  |
| 14 | Olive  | 7mm   | Flat | 1.55mm  | n/a   | AD-1017-14S7  |
| 15 | Amber  | 7mm   | Flat | 1.37mm  | n/a   | AD-1017-15S7  |
| 18 | Green  | 7mm   | Flat | 0.84mm  | n/a   | AD-1017-18S7  |
| 20 | Pink   | 7mm   | Flat | 0.61mm  | n/a   | AD-1017-20S7  |
| 21 | Purple | 7mm   | Flat | 0.51mm  | n/a   | AD-1017-21S7  |
| 22 | Blue   | 7mm   | Flat | 0.41mm  | n/a   | AD-1017-22S7  |
| 23 | Orange | 7mm   | Flat | 0.33mm  | n/a   | AD-1017-23S7  |
| 25 | Red    | 7mm   | Flat | 0.25mm  | n/a   | AD-1017-25S7  |
| 27 | Clear  | 7mm   | Flat | 0.20mm  | n/a   | AD-1017-27S7  |
| 14 | Olive  | 10mm  | Flat | 1.55mm  | n/a   | AD-1017-14S10 |
| 15 | Amber  | 10mm  | Flat | 1.37mm  | n/a   | AD-1017-15S10 |
| 18 | Green  | 10mm  | Flat | 0.84mm  | n/a   | AD-1017-18S10 |
| 20 | Pink   | 10mm  | Flat | 0.61mm  | n/a   | AD-1017-20S10 |
| 21 | Purple | 10mm  | Flat | 0.51mm  | n/a   | AD-1017-21S10 |
| 22 | Blue   | 10mm  | Flat | 0.41mm  | n/a   | AD-1017-22S10 |
| 23 | Orange | 10mm  | Flat | 0.33mm  | n/a   | AD-1017-23S10 |
| 25 | Red    | 10mm  | Flat | 0.25mm  | n/a   | AD-1017-25S10 |
| 27 | Clear  | 10mm  | Flat | 0.20mm  | n/a   | AD-1017-27S10 |

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|----|--------|-------|-------|---------|--------------|---------------|
| 18 | Green  | 3mm   | Round | 0.84mm  | AD-1002-18BT | AD-1002-18BTS |
| 20 | Pink   | 3mm   | Round | 0.61mm  | AD-1002-20BT | AD-1002-20BTS |
| 21 | Purple | 3mm   | Round | 0.51mm  | AD-1002-21BT | AD-1002-21BTS |
| 22 | Blue   | 3mm   | Round | 0.41mm  | AD-1002-22BT | AD-1002-22BTS |
| 23 | Orange | 3mm   | Round | 0.33mm  | AD-1002-23BT | AD-1002-23BTS |
| 25 | Red    | 3mm   | Round | 0.25mm  | AD-1002-25BT | AD-1002-25BTS |
| 27 | Clear  | 3mm   | Round | 0.20mm  | AD-1002-27BT | AD-1002-27BTS |



Brush tips can be used with most manual or pneumatic dispensing systems and are suitable for applying controlled deposits of glues, liquids, inks, primers, solvents, fluxes and more.

Select by the gauge size and tube diameter and the brush width and type. Brush tips feature a luer lock hub for leak free and secure attachment to syringe barrels, bottles and valves. Brush tips are made from silicone-free materials.



# Angled Polypro Soft Tips

Angled polypropylene material tips for difficult to reach areas and suitable for dispensing most liquids, glues and adhesives.

## Features and Benefits - Polypro Angled 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
- Hub wings for easy twist on, twist off or push-on attachment
- Angled designed allows easy deposit of material in hard to reach areas.

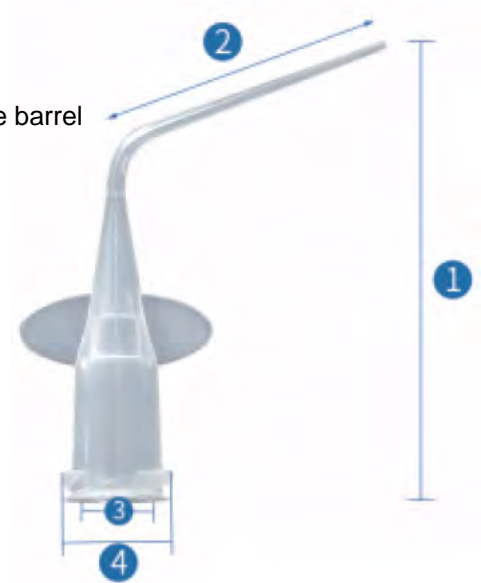
**Polypro Angled Tips** are ideal for access in difficult to reach areas and are suitable for use with Cyanoacrylate adhesives and liquids.

Total tip length of 50mm.

Available in blue opaque colour for UV liquids or clear colour for ~ Cyanoacrylate or other low viscosity liquids.

Silicone-free polypropylene construction.

Sold in bulk packs of 1000 pieces only.



|    |       |       |
|----|-------|-------|
| 1. | 30mm  | 30mm  |
| 2. | 20mm  | 20mm  |
| 3. | 4.2mm | 4.2mm |
| 4. | 7.4mm | 7.4mm |



| Gauge Size | Colour | Tube ID | Tube OD | Part Code |
|------------|--------|---------|---------|-----------|
| 25         | Blue   | 0.25mm  | 0.54mm  | AD25050B  |
| 25         | Clear  | 0.25mm  | 0.54mm  | AD25050C  |

*These tips can be used with both luer lock twist-on and with luer slip push-on syringe style connections. Maximum pressure for these tips is recommended 50 PSI. They are suitable only for low viscosity fluids, liquids and adhesives.*

*For deposits of materials that require a higher fluid pressure, consider our standard angled precision tips.*





# Tip Extender and Cartridge Tips

Long flexible tube tip extenders for difficult to reach places.

## Features and Benefits - Tip Extenders

- Package labels include batch numbers for process control and traceability
- Luer locking thread ensures safe, positive attachment to syringe barrel, bottle or valves
- Grooved edges for easy twist on, twist off
- Extend the reach of any dispensing tip

**Tip Extenders** are designed for use with most liquids, gels, solvents and adhesives for controlled deposits using luer lock tips.

In tube lengths of 2.5", 4.0", 12", 18", 24", 36" and 60".

Natural clear or black opaque flexible polyethylene.

Use with luer lock bottles, syringes, barrels and dispense valves.

Supplied in sealed packs of 10 pieces.

| Extender Length | ID     | OD     | Clear          | Black           |
|-----------------|--------|--------|----------------|-----------------|
| 2.5"            | 1.78mm | 2.54mm | 1212-004-000PK | n/a             |
| 2.5"            | 2.54mm | 3.81mm | 1212-004-002PK | 1212-004-002BPK |
| 2.5"            | 3.17mm | 4.45mm | 1212-004-100PK | 1212-004-100BPK |
| 4.0"            | 1.78mm | 2.54mm | 1201-000-006PK | n/a             |
| 4.0"            | 2.54mm | 3.81mm | 1201-000-004PK | 1201-000-004BPK |
| 4.0"            | 3.17mm | 4.45mm | 1201-006-000PK | n/a             |
| 12.0"           | 2.54mm | 3.81mm | TSD126-312PK   | n/a             |
| 18.0"           | 2.54mm | 3.81mm | TSD126-318PK   | TSD126-318BPK   |
| 24.0"           | 2.54mm | 3.81mm | TSD126-324PK   | TSD126-324BPK   |
| 36.0"           | 2.54mm | 3.81mm | TSD126-336PK   | TSD126-336BPK   |
| 60.0"           | 2.54mm | 3.18mm | n/a            | TSD126-360BPK   |



Use these all-metal tips with Techcon, Semco PPG and Nordson EFD cartridges with 1/4" NPT thread.

## Features and Benefits - Cartridge Tips

- Package labels include batch numbers for process control and traceability
- 1/4" NPT thread ensures safe, positive attachment to cartridges or valves
- Precision machined product - nickel plated brass hub to stainless steel tube
- For use with all liquids, gels and pastes including UV cure adhesives.

**Cartridge tips** are designed for use with most liquids, gels, solvents and adhesives for controlled deposits from cartridges, Techkit cartridges, Semkit cartridges, spool valves.

In tube lengths of 1.5" (38.1mm).

Supplied each.

| Gauge Size | ID     | OD     | Part Code     |
|------------|--------|--------|---------------|
| 7          | 3.81mm | 4.45mm | AD7SS-1.5NPT  |
| 8          | 3.28mm | 4.04mm | AD8SS-1.5NPT  |
| 10         | 2.69mm | 3.40mm | AD10SS-1.5NPT |
| 12         | 2.18mm | 2.77mm | AD12SS-1.5NPT |
| 14         | 1.64mm | 2.10mm | AD14SS-1.5NPT |
| 16         | 1.20mm | 1.65mm | AD16SS-1.5NPT |





# Assorted Tip Kits

Tip Kits allow our customers to evaluate a wider range of tip types before ordering specific tips in boxes of 50 or bulk packs of 1000.

## Features and Benefits - Assorted Tip Kits

- 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
- Luer locking thread ensures safe, positive attachment to syringe barrel
- Engineered hub flats for easy twist on, twist off
- Assorted tip kits for test and approval purposes.



| Code     | Contains  | Total Qty |
|----------|---|-----------|
| DCK600   | General Purpose 0.5", Smooth Flow Tapered, 45°/ 90° Bend 0.5", Teflon Lined Crimped, Tip Caps                     | 145 pcs   |
| DCK700   | General Purpose 0.5", Smooth Flow Tapered, 45°/ 90° Bend 0.5", Flexible Polypro 0.5", Tip Caps                    | 145 pcs   |
| TN00DKIT | General Purpose 0.5", Smooth Flow Tapered, 45°/ 90° Bend 0.5", Tip Caps   | 145 pcs   |
| DCK500   | General Purpose 0.25", 1", Smooth Flow Tapered, 45°/ 90° Bend 0.5", Flexible Polypro 0.5. PTFE, , Brush, Tip Caps | 144 pcs   |
| SA7741   | General Purpose 0.25", 1", Smooth Flow Tapered  | 50 pcs    |
| SA7524   | General Purpose 0.5" Long Assortment 14 to 30 Gauge   | 50 pcs    |
| SA7522   | General Purpose 0.5" Long Assortment 14 to 30 Gauge   | 22 pcs    |
| SA7122   | General Purpose 0.5" Long Assortment 14 to 27 Gauge   | 20 pcs    |
| SA7523   | General Purpose 0.5" Long Assortment 14 to 30 Gauge   | 26 pcs    |
| SA7534   | General Purpose 0.25" Long Assortment 25 to 34 Gauge  | 25 pcs    |
| SA7517   | TS Crimped Hub 0.5" Long Assortment 14 to 30 Gauge  | 50 pcs    |
| SA7518   | TS Crimped Hub 1.0" Long Assortment 14 to 30 Gauge  | 50 pcs    |
| SA7771   | Smooth Flow Tapered Assortment 14 to 27 Gauge   | 70 pcs    |
| SA7781   | Smooth Flow Tapered Assortment 14 to 22 Gauge   | 50 pcs    |
| SA7721   | Smooth Flow Tapered Assortment 14 to 32 Gauge   | 50 pcs    |
| SA7521   | Smooth Flow Tapered Assortment 14 to 27 Gauge   | 21 pcs    |
| SA7105   | PTFE Lined Crimped 0.5"/ 1", Teflon Flexible Tube 0.5"/ 2", Polypro Flexible Tube 0.5"/ 1" / 1.5"                 | 128 pcs   |
| SA7205   | PTFE Lined Crimped 0.5"/ 1", Teflon Flexible Tube 0.5", Polypro Flexible Tube 0.5"/ 1" / 1.5"                     | 50 pcs    |
| SA7555   | PTFE Lined Crimped 0.5"/ 1" Long 21 to 25 Gauge   | 20 pcs    |
| SA7893   | PTFE Lined Crimped 0.5"/ 1" Long 21 to 25 Gauge, Flexible Polypro, Flexible Teflon                                | 72 pcs    |
| SA7555   | PTFE Lined Crimped 0.5"/ 1" Long 21 to 25 Gauge   | 20 pcs    |
| SA7955   | Flexible PTFE Teflon  | 10 pcs    |
| SA7539   | Flexible Polypro Tube 0.5"/ 1.5" Long 15 to 25 Gauge  | 40 pcs    |
| SA7549   | Flexible Polypro Tube 0.5"/ 1.0"/ 1.5" Long 15 to 25 Gauge  | 40 pcs    |
| SA7540   | Flexible TSP Type Polypro Tube 1.5" Long 15 to 25 Gauge   | 30 pcs    |
| QK-SSTK  | All-Metal Precision Tips 0.5" Long 13 to 30 Gauge   | 12 pcs    |
| SA7529   | Angled Tips 45° Bend 0.5" Long 14 to 30 Gauge   | 18 pcs    |
| SA7530   | Angled Tips 90° Bend 0.5" Long 14 to 30 Gauge   | 18 pcs    |



## 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](http://adhesivedispensers.co.uk)
- 4** BY EMAIL:  
[orders@adhesivedispensers.co.uk](mailto: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 tech knowledge site for more product information, data sheets, videos and advice.

[https://www.adhesivedispensing.net/kb\\_results.asp](https://www.adhesivedispensing.net/kb_results.asp)

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