



THE  
**SPRAY NOZZLE**  
PEOPLE

# TRIM-S

Enhanced Laminar  
Single Stream

**Gatewood**

## Solid Stream

### DESIGN FEATURES

- ✓ Hard wearing nozzle tips
- ✓ Long body for enhanced laminar flow
- ✓ Integrated filter option
- ✓ Stainless steel, ceramic, Pyrex, or ruby orifice available
- ✓ Teflon or stainless steel drip shield



### SPRAY CHARACTERISTICS

- ✓ Solid stream
- ✓ Very high impact
- ✓ Low volume
- ✓ Shielded from drips and debris to ensure stream integrity

The Single Trim nozzles are specialist high impact, low volume, solid stream nozzles designed for the paper industry. These nozzles are used almost exclusively to trim fresh paper as it is made. They are designed to maintain a good laminar, stable jet, even at very high pressures. This means a powerful "needle" like jet that cuts through material very well. Due to high pressure of the fluid the orifices on these nozzles are made with high wear materials including ruby.

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The Go-to People for spray nozzle solutions

## Ruby Tips

Ruby trim nozzles have incredibly hard wearing industrial ruby orifices which given an extended working life. These single stream trim nozzles have a high enhanced laminar flow jet, that retains its stream integrity even at very high pressures.

The body of the nozzle is manufactured in high quality stainless steel and they come with two different drip shield options to protect the cutting stream from water and debris buildup. Drip shields are available in PTFE or stainless steel shield.

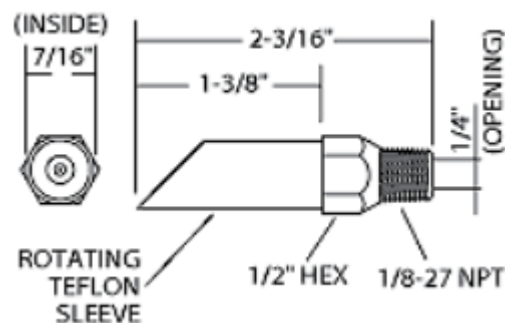
These nozzles are available in a variety of orifice sizes from 0.01" to 0.05".



### Single Ruby Tip in stainless steel shell with PTFE drip shield



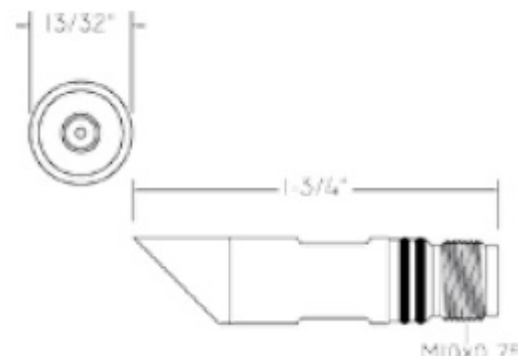
| Size  | Part #  |
|-------|---------|
| .010" | R1045SS |
| .015" | R1545SS |
| .020" | R2045SS |
| .025" | R2545SS |
| .030" | R3045SS |
| .035" | R3545SS |
| .040" | R4045SS |
| .050" | R5045SS |



### Single Ruby Tip in stainless steel shell with stainless steel drip shield



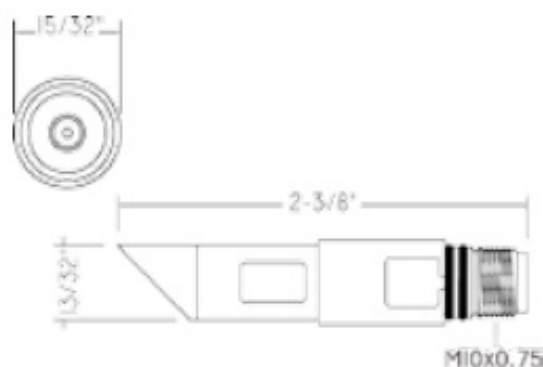
| Size  | Part #   |
|-------|----------|
| .010" | RS109MSS |
| .015" | RS159MSS |
| .020" | RS209MSS |
| .025" | RS259MSS |
| .030" | RS309MSS |
| .035" | RS359MSS |
| .040" | RS409MSS |
| .045" | RS459MSS |



### Single Ruby Tip in adjustable stainless shell with stainless drip shield



| Size  | Part #   |
|-------|----------|
| .010" | RA109MSS |
| .015" | RA159MSS |
| .020" | RA209MSS |
| .025" | RA259MSS |
| .030" | RA309MSS |
| .035" | RA359MSS |
| .040" | RA409MSS |
| .045" | RA459MSS |



## Stainless Tips

Stainless Steel tipped trim nozzles are hard wearing and economical. They come with a three different body types: a brass long shell body, a short hex stainless steel high pressure body, and a long stainless steel high pressure body.

All model have an enhanced laminar flow jet that retains its integrity even at high pressures. They come in a wide range of orifice sizes from 0.01" to 0.08".

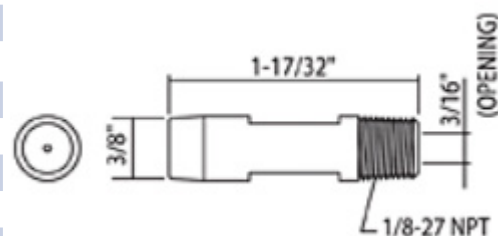


### Single stainless steel tip in brass long shell



| Size  | Part # |
|-------|--------|
| .010" | S104   |
| .012" | S124   |
| .015" | S154   |
| .018" | S184   |
| .020" | S204   |
| .023" | S234   |
| .025" | S254   |
| .028" | S284   |
| .030" | S304   |
| .032" | S324   |

| Size  | Part # |
|-------|--------|
| .035" | S354   |
| .037" | S374   |
| .040" | S404   |
| .042" | S424   |
| .045" | S454   |
| .050" | S504   |
| .060" | S604   |
| .070" | S704   |
| .080" | S804   |

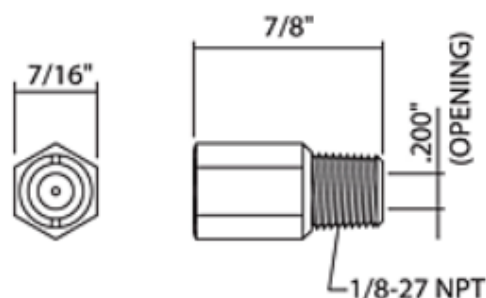


### Single stainless steel tip in stainless steel short hex high pressure shell

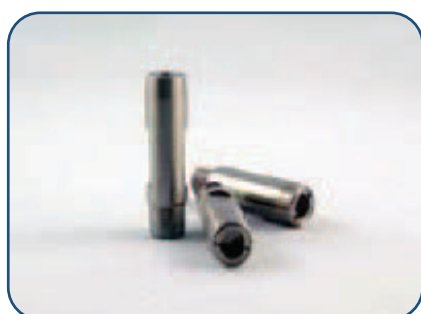


| Size  | Part # |
|-------|--------|
| .010" | S108SS |
| .012" | S128SS |
| .015" | S158SS |
| .018" | S188SS |
| .020" | S208SS |
| .023" | S238SS |
| .025" | S258SS |
| .028" | S288SS |
| .030" | S308SS |

| Size  | Part # |
|-------|--------|
| .035" | S358SS |
| .037" | S378SS |
| .040" | S408SS |
| .042" | S428SS |
| .045" | S458SS |
| .050" | S508SS |
| .060" | S608SS |
| .070" | S708SS |
| .080" | S808SS |

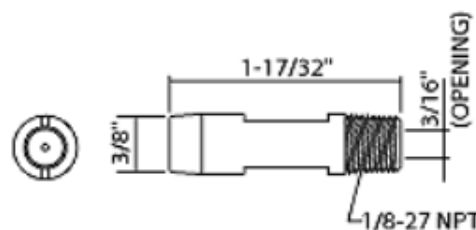


### Single stainless steel tip in stainless steel long high pressure shell



| Size  | Part #  |
|-------|---------|
| .010" | S1011SS |
| .012" | S1211SS |
| .015" | S1511SS |
| .018" | S1811SS |
| .020" | S2011SS |
| .023" | S2311SS |
| .025" | S2511SS |
| .028" | S2811SS |
| .030" | S3211SS |

| Size  | Part #  |
|-------|---------|
| .035" | S3511SS |
| .037" | S3711SS |
| .040" | S4011SS |
| .042" | S4211SS |
| .045" | S4511SS |
| .050" | S5011SS |
| .060" | S6011SS |
| .070" | S7011SS |
| .080" | S8011SS |



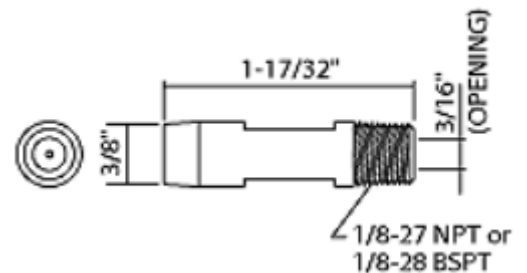
## Pyrex Tips

Pyrex tips are highly reliable and deliver a smooth consistent flow for lower pressure cutting and trimming, they range in orifice size from 0.01" to 0.08" and come with a long brass shell

### Pyrex tip in long brass shell



| Size  | Part # | Size  | Part # |
|-------|--------|-------|--------|
| .010" | P102   | .035" | P302   |
| .012" | P122   | .037" | P352   |
| .015" | P152   | .040" | P402   |
| .018" | P182   | .042" | P452   |
| .020" | P202   | .045" | P502   |
| .023" | P232   | .050" | P602   |
| .025" | P252   | .060" | P702   |
| .028" | P282   | .070" | P802   |
| .030" | P302   |       |        |



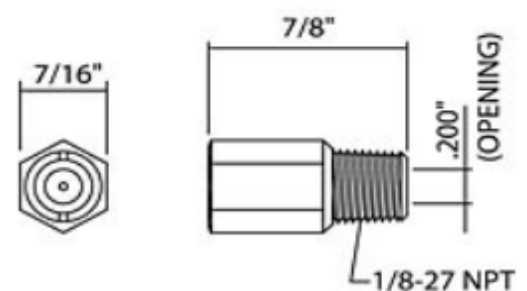
## Ceramic Tips

Ceramic tips are extremely hard wearing and are second only to ruby tipped nozzles in overall wear resistance over time. These nozzle are available in two type of stainless steel shell and come with orifices from 0.01" to 0.05".

### Ceramic tip in stainless steel short hex shell



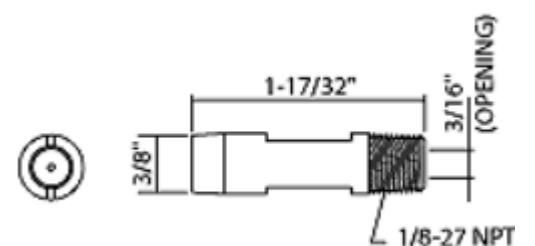
| Size  | Part #  |
|-------|---------|
| .010" | C108SSS |
| .015" | C158SSS |
| .020" | C208SSS |
| .025" | C258SSS |
| .030" | C308SSS |
| .035" | C358SSS |
| .040" | C408SSS |
| .050" | C508SSS |



### Ceramic tip in stainless steel long high pressure shell



| Size  | Part #  |
|-------|---------|
| .010" | C1011SS |
| .015" | C1511SS |
| .020" | C2011SS |
| .025" | C2511SS |
| .030" | C3011SS |
| .035" | C3511SS |
| .040" | C4011SS |
| .050" | C5011SS |





## Thread Adapters, Filter Screens & Accessories

We are continuously striving to provide the best technology in our designs. Our research and development is an on-going process. In addition, we provide a wide range of accessories to compliment your nozzles. If your trim nozzle application requires special accessories - contact us

### Thread Adapters

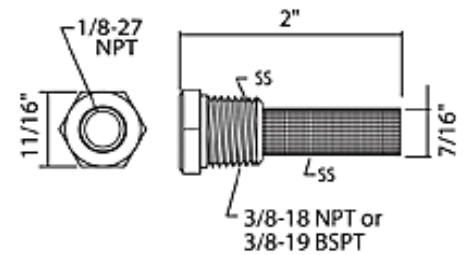


| Part # | Description                                                                                                                    |
|--------|--------------------------------------------------------------------------------------------------------------------------------|
| M10FSS | 10mm x 0.75 Female to 1/8 NPT Male Stainless Steel<br>Note: Adapts Gatewood Double Parallel Stream Ruby Nozzle to 1/8 NPT Male |
| M10MSS | 1/8 NPT Female to 10mm x .75 Male Stainless Steel<br>Note: Adapts All Gatewood 1/8 NPT Nozzles to 10mm x 0.75 Female           |

### Filter Screen with Stainless Bushing



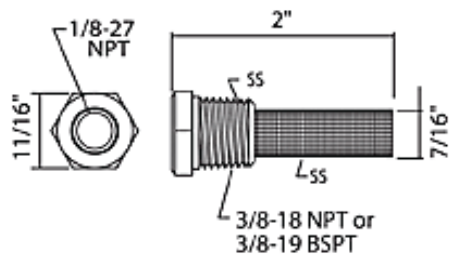
| Size          | 10° Stream |
|---------------|------------|
| 40 Mesh       | SA64       |
| 50 Mesh       | SA65       |
| 60 Mesh       | SA66       |
| 100 Mesh      | SA6100R    |
| 40 Mesh BSPT  | SA74       |
| 50 Mesh BSPT  | SA75       |
| 60 Mesh BSPT  | SA76       |
| 100 Mesh BSPT | SA7100R    |



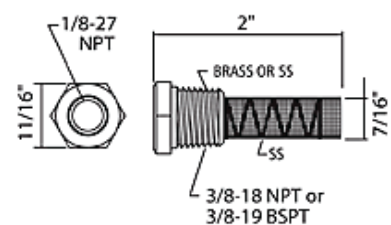
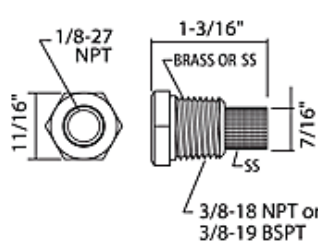
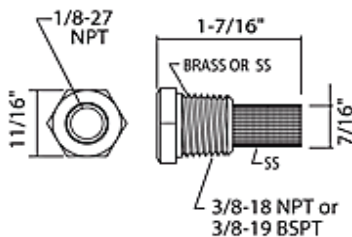
### Filter Screen with Brass Bushing



| Size          | 10° Stream |
|---------------|------------|
| 40 Mesh       | A64        |
| 50 Mesh       | A65        |
| 60 Mesh       | A66        |
| 100 Mesh      | A6100R     |
| 40 Mesh BSPT  | A74        |
| 50 Mesh BSPT  | A75        |
| 60 Mesh BSPT  | A76        |
| 100 Mesh BSPT | A7100R     |



### Other Screen Options



| Short Screen |         |           |
|--------------|---------|-----------|
| Size         | Brass   | Stainless |
| 50 Mesh      | A65SHRT | SA65SHRT  |

| Extra Short Screen |         |           |
|--------------------|---------|-----------|
| Size               | Brass   | Stainless |
| 50 Mesh            | A65SHSH | SA65SHSH  |

| Extra Short Screen |        |           |
|--------------------|--------|-----------|
| Size               | Brass  | Stainless |
| 40 Mesh            | A64R   | SA64R     |
| 50 Mesh            | A65R   | SA65R     |
| 60 Mesh            | A66R   | SA66R     |
| 100 Mesh           | A6100R | SA6100R   |
| 200 Mesh           | A6200R | SA6200R   |

**Ask our technical sales engineers about additional products and services to optimise your spraying process.**

## Spray Calibration Solutions

Easy-to-use, fast measurement solutions to ensure accurate nozzle installation and maintenance, reduce water wastage and identify nozzle wear.



**Spray Pattern & Droplet Distribution**



**Nozzle Flow Calibrators**



**Nozzle Cleaning Kit**

## Complete Spray Bars

Tailored nozzle selections and spray bar designs that integrate seamlessly with your new or existing setup.

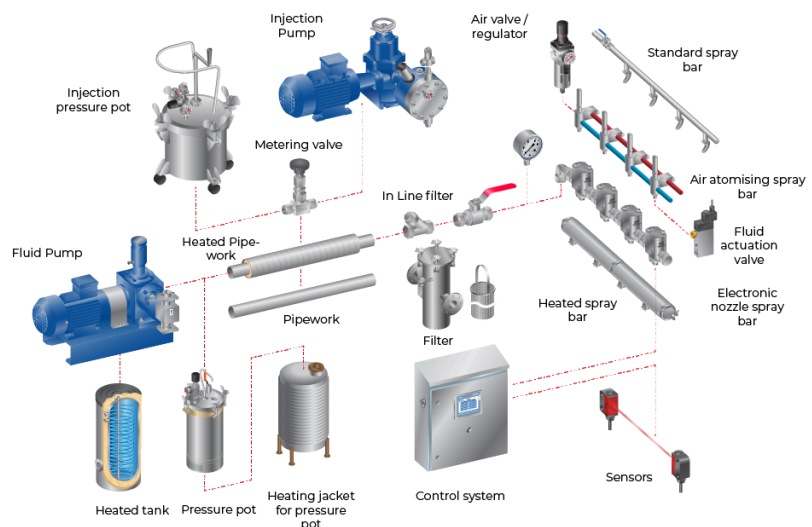
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



## Complete Custom Spraying Systems

Complete spraying systems built around your goals and application.

- ✓ Tailored upstream components supplied individually or as part of complete system
- ✓ Custom pipework, pumps, tanks, sensors, valves, heating, control panels and more
- ✓ Seamless integration with existing processes
- ✓ Built to budget and ROI targets
- ✓ End-to-end support: design, install, maintain



**THE GO-TO PEOPLE FOR SUCCESSFUL SPRAY ENGINEERING**