

3M Science.
Applied to Life.™

3M™ OEM Match Adjustable Ripple Tip

For Automotive Aftermarket Repair

Sales Training

3M

Introducing

3M™ OEM Match Adjustable Ripple Tip is a single-use solution for 3M™ 2-Part Heavy Bodied (PN8308) and Bare Metal Seam Sealer (PN8310) to help replicate the original look and appearance of seam sealer applied at the factory.



3M™ OEM Match Adjustable Ripple Tip

Features and Benefits



Only known adjustable width ripple nozzle in the market



Nozzle rotation enables variable width beads patterns



Longer attachment collar assuring fit during use



Recommended for use with 3M™ Heavy Body Seam Sealer (PN08308) and 3M™ Bare Metal Seam Sealer (PN08310)



Available to purchase as a stand-alone product



Easy attachment to 3M™ Static Mixing Nozzles (PN08193, PN08194)

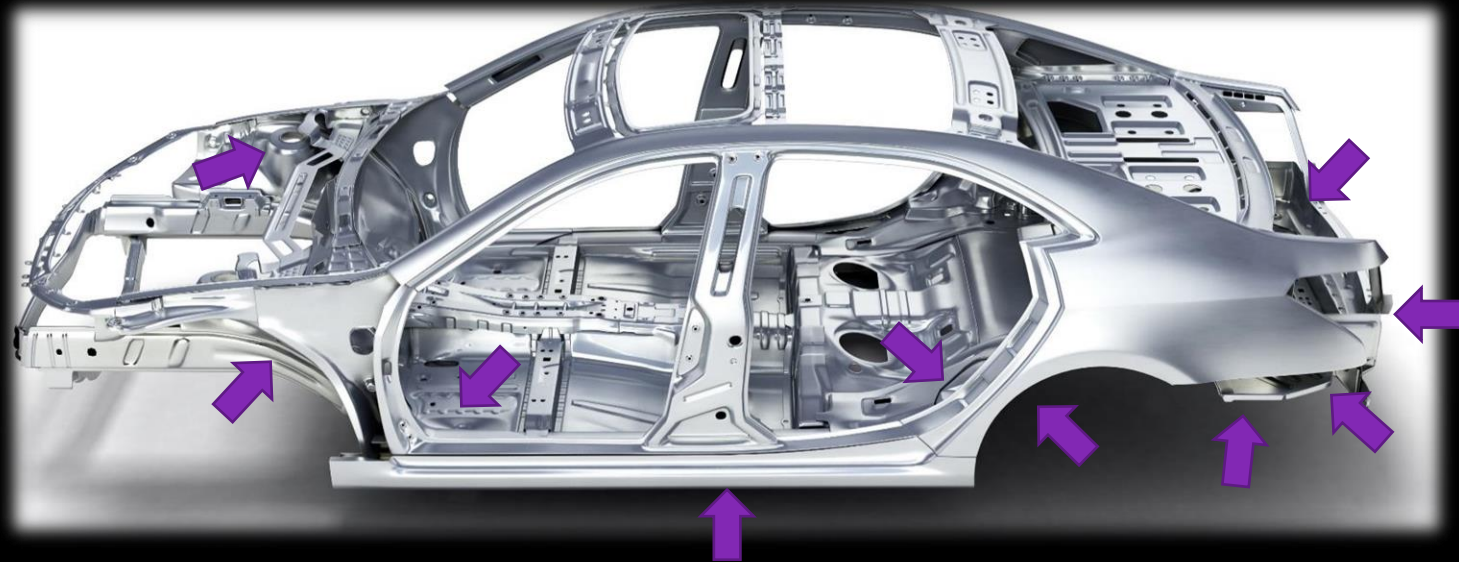


Variable Width Bead Patterns

Adjustable rotation of the nozzle, along with air pressure adjustments, bead widths could range from 36mm – 20mm to help achieve OEM replication of seam sealer

Common ripple pattern locations:

- Rear Floor
- Rear Body Panel
- Front and Rear Frame Rail
- Lower ¼ Extension
- Fire Wall
- Strut Tower
- Passenger Floor Panel



Application Techniques

On-Vehicle

Explained in the Directions For Use section of the Technical Data Sheet (Page 2-3).

Off-Vehicle

- Explained in the Directions For Use section of the Technical Data Sheet (Page 3-4).
- In many cases this may be an easier process than the on-vehicle application.
- Off-vehicle application can be more effective for the following reasons:
 - Applicator and air hose may limit access in certain locations requiring seam sealer.
 - Many applications and surfaces are overhead or difficult vertical angles which make it difficult to insure proper sealing at the edge.
 - Consistent appearance of bead with less flaws related to shaking, bumping of applicator or access to difficult areas on the vehicle.



Will the 3M™ OEM Match Adjustable Ripple Tip fit competitive nozzles properly?

No. Page 1, paragraph 4 of the Technical Data Sheet addresses this question. Using static mixing nozzles other than 3M™ static mixing nozzles could lead to poor performance and excess material waste.

The design of the tip allows for easy application onto 3M™ Static Mixing Nozzles by hand. Other competitive brands require more force and most all cases do not properly seat onto the static mixing nozzle when applied by hand.



Supporting Products

Recommended for use with 3M™ Pneumatic applicator PN09930

Works with 3M™ Heavy Bodied Seam Sealer PN8308 and 3M™ Bare Metal Seam Sealer PN8310

Easily attaches to 3M™ Static Mixing Nozzles PN08193 and PN08194





Frequently Asked Questions

1

Is the 3M™ OEM Match Adjustable Ripple Tip available for purchase separately, or do they only come with the purchase of a new cartridge?

Yes. The Part Number is 33995 and comes as a bag of 10 tips. They are not included with either 3M™ Heavy Body Seam Sealer (PN08308) or 3M™ Bare Metal Seam Sealer (PN08310).

2

Can I reuse the nozzle multiple times if I clean it out?

No. 3M™ OEM Match Adjustable Ripple Tip is designed as a one-time use. Do not attempt to reuse tip as remnants left behind could cause problems for the tip, the material, the cartridge, or applicator when attempting to reuse.

3

Will it work with other 3M Seam Sealers?

No. The 3M™ OEM Match Adjustable Ripple Tip is designed to work with 3M™ Heavy Body Seam Sealer (PN08308) and 3M™ Bare Metal Seam Sealer (PN08310).

4

Can I apply it directly to the vehicle?

Yes. In some cases, building the bead off the vehicle may be a better option. Follow the instructions on the Technical Data Sheet, Directions For Use Page 2-4 for both applications.

5

If there are gap or voids, do I need to fill those?

Yes. As stated in the Technical Data Sheet all gaps and voids needs to be filled to prevent the intrusion of moisture, air or debris from damaging the repair.



Frequently Asked Questions

Is the nozzle designed to come apart?

- 6** No. The nozzles come assembled and should not be taken apart. Technician should also avoid perfect alignment between the notches to avoid the possibility of the nozzle coming apart. If the nozzle parts come apart, they should be discarded, and a new nozzle should be used.

Is leaking from the nozzle base normal?

- 7** Yes. This is part of the design to relieve pressure while dispensing to avoid damage to the nozzle, cartridge and/or applicator during use. Leaking should be minimal if nozzle is properly applied to the 3M™ Static Mixing Nozzle.

Will the 3M™ OEM Match Adjustable Ripple Tip work on other brands of static mixing nozzles?

- 8** No.

How do I get the nozzle locking ring off the static mixing nozzle after I use the 3M™ OEM Match Adjustable Ripple Tip?

- 9** As stated in the Technical Data Sheet Directions for Use the 3M™ OEM Match Adjustable Ripple Tip should be removed when you are done replicating the desired bead before the material is cured. Once the material is cured cutting the used static mixing nozzle is required to remove the nozzle locking ring for reuse.

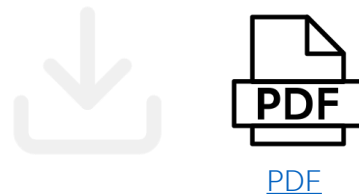
Technical Data Sheets & Directions For Use

Technical Data Sheets include:

- Product uses
- Directions for use
- Accessories
- Storage and handling

Directions For Use include:

- Product preparation
- General repair process (On vehicle)
- General repair process (Off vehicle)



[PDF](#)

3M
OEM Match Adjustable Ripple Tip
33995

Technical Data January 2022

3M Part Numbers	3M Part Descriptor
33995	3M™ OEM Match Adjustable Ripple Tip

Product Description
3M™ OEM Match Adjustable Ripple Tip is the solution for 3M™ 2-Part heavy bodied products to help replicate the original look and appearance of seam sealer applied at the factory.

Features

- Nozzle rotation enables variable width bead patterns
- Recommended for use with 3M™ Heavy-Bodied Seam Sealer (PNO8308) and 3M™ Bare Metal Seam Sealer (PNO8310).
- Easy attachment to 3M™ Static Mixing Nozzles (PNO8193, PNO8194)

Physical Properties
3M™ OEM Match Adjustable Ripple Tip is comprised of 2 parts that rotate independently from each other. Do not attempt to disassemble the tip as this may affect the performance. Both parts are made of ABS Plastic.

Product Uses
3M™ OEM Match Adjustable Ripple Tip is designed to help technicians replicate robotically applied seam sealers at the factory. Typical areas these beads can be found, but are not limited to, trunk floors, rear body panels, rear frame rails, strut towers, front frame rails and more.

The tip is designed to work with 3M™ Heavy-Bodied Seam Sealer and 3M™ Bare Metal Seam Sealer. All seam sealers, including bare metal seams sealers, should be applied over a 2K Epoxy or 2K Urethane primer. Using seam sealers other than the recommended seam sealers could result in performance issues in both replication appearance and product performance.

When using the 3M™ OEM Match Adjustable Ripple Tip make sure it is applied to a properly prepared and equalized cartridge. Not doing so could lead to product failure.

Match Adjustable Ripple Tip

Application & Use
Many factors beyond 3M's control and entirely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Limited Remedy of Liability
3M warrants to the purchaser that 3M™ OEM Match Adjustable Ripple Tip will perform to 3M's performance specifications as stated in 3M's corresponding product technical data sheets for the life of the vehicle, when the 3M product is applied stored and used in accordance with 3M's Directions For Use. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, PERFORMANCE, CUSTOM OR USAGE OF TRADE. If a 3M product does not conform to this warranty, purchaser's exclusive remedy and 3M's entire liability will be the reimbursement of the cost of the parts, materials and labor needed to reattach the part(s) plus reimbursement of the cost of a comparable rental vehicle during the repair time period, within a reasonable time after written notification of the defect and return of the defective product to 3M, if requested by 3M. LIMITATION OF LIABILITY: Except for the limited remedy offered by 3M above, and except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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Page 1 of 9

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Page 9 of 9



Questions?

The 3M™ OEM Match Adjustable Ripple Tip is intended for industrial/occupational use only. Application/replication is dependent upon the experience and skill of the applicator/end user.