

TAHPlus™ 50ml Cartridge System

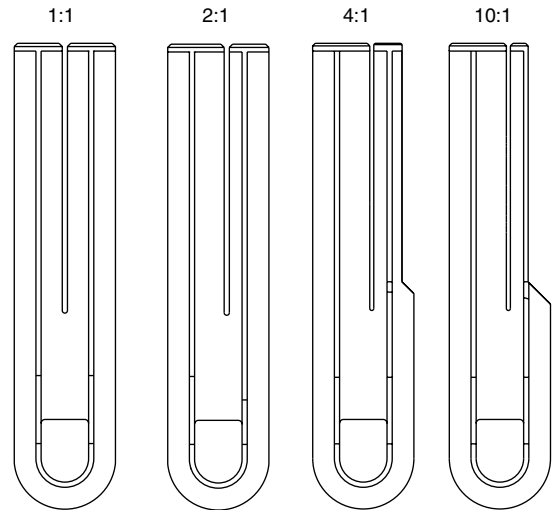
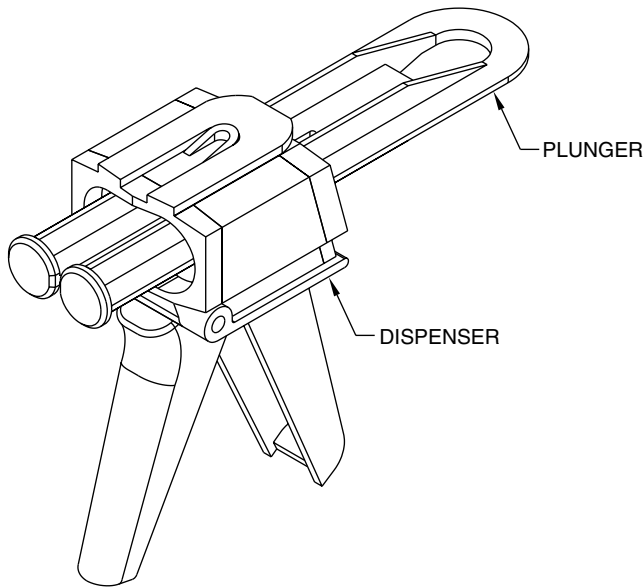
DATASHEET 50
FEB 2002

DISPENSING TECHNIQUES

MANUAL DISPENSER

COMPLETE DISPENSERS:

| PART NO. | DESCRIPTION |
|----------|--------------------------|
| DK-104 | DISPENSER + 1:1 PLUNGER |
| DK-105 | DISPENSER + 2:1 PLUNGER |
| DK-106 | DISPENSER + 4:1 PLUNGER |
| DK-107 | DISPENSER + 10:1 PLUNGER |



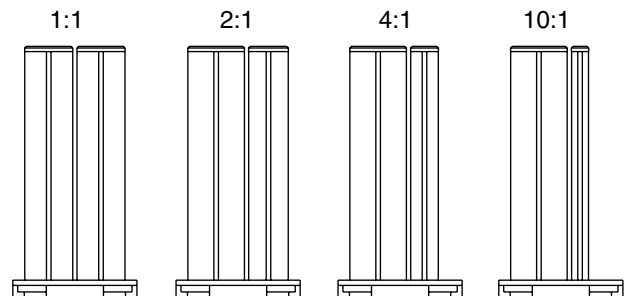
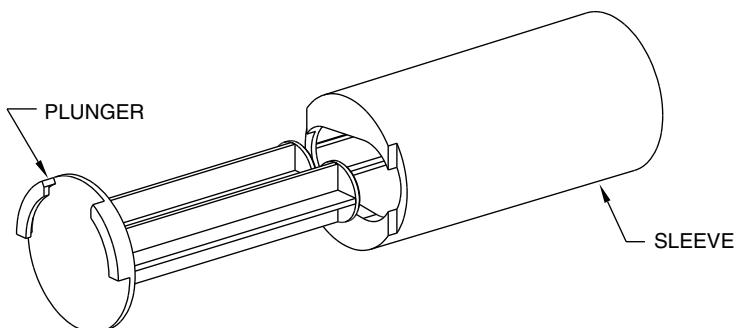
REPLACEMENT PARTS:

| PART NO. | DESCRIPTION |
|----------|----------------|
| DK-101 | DISPENSER ONLY |
| D-102 | 1:1 PLUNGER |
| D-103 | 2:1 PLUNGER |
| D-104 | 4:1 PLUNGER |
| D-105 | 10:1 PLUNGER |

CAULKING GUN CONVERSION KIT

COMPLETE KITS:

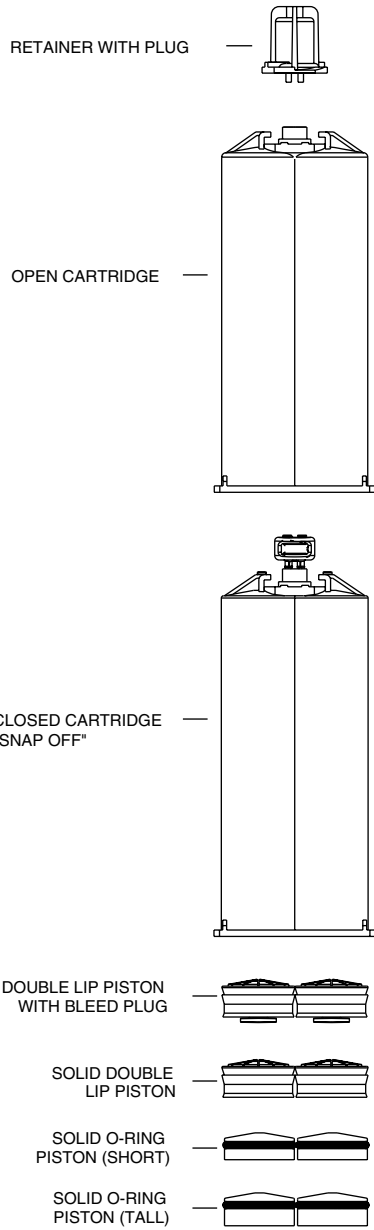
| PART NO. | DESCRIPTION |
|----------|-----------------------|
| DK-117 | SLEEVE + 1:1 PLUNGER |
| DK-118 | SLEEVE + 2:1 PLUNGER |
| DK-119 | SLEEVE + 4:1 PLUNGER |
| DK-120 | SLEEVE + 10:1 PLUNGER |



REPLACEMENT PARTS:

| PART NO. | DESCRIPTION |
|----------|--------------|
| D-106 | SLEEVE |
| D-107 | 1:1 PLUNGER |
| D-108 | 2:1 PLUNGER |
| D-109 | 4:1 PLUNGER |
| D-110 | 10:1 PLUNGER |

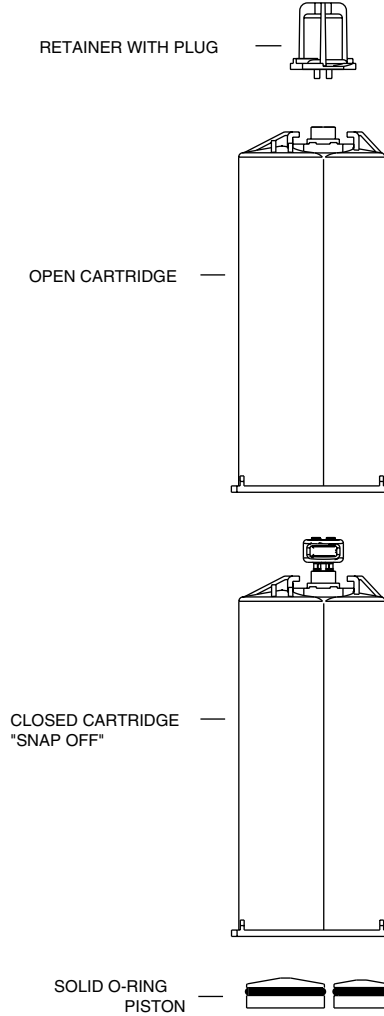
50ml Ratio 1:1 Capacity 50ml



| Description | PP | Nylon |
|--|-----------|----------|
| Open Cartridge Body | B-101-01 | B-101-03 |
| Closed Cartridge Body | B-101-21 | B-101-22 |
| Solid EPDM O-Ring Piston (Short) * | B-301-05 | n/a |
| Solid EPDM O-Ring Piston (Tall) * | B-302-11 | B-302-21 |
| Solid Double Lip Piston | B-209-01 | B-209-02 |
| Double Lip Piston with Bleed Plug | B-311-01 | B-311-02 |
| Retainer (PP) & Plug (PE) | B-415-01 | |
| Assembled Part Numbers | | |
| Open Body PP Cart. assembled with Retainer & Plug | BS-101-01 | |
| Open Body Nylon Cart. assembled with Retainer & Plug | BS-101-06 | |

* OTHER O'RINGS AVAILABLE, CONSULT FACTORY

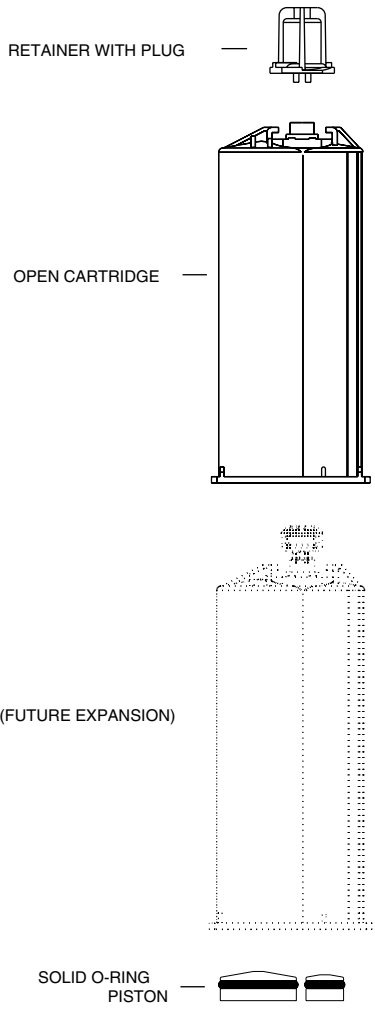
50ml Ratio 2:1 Capacity 50ml



| Description | PP | Nylon |
|--|-----------|----------|
| Open Cartridge Body | B-102-01 | B-102-04 |
| Closed Cartridge Body | B-102-21 | B-102-22 |
| Solid EPDM O-Ring Piston (Large) * | B-306-01 | B-306-21 |
| Solid EPDM O-Ring Piston (Small) * | B-310-01 | B-310-21 |
| Retainer (PP) & Plug (PE) | B-415-01 | |
| Assembled Part Numbers | | |
| Open Body PP Cart. assembled with Retainer & Plug | BS-102-01 | |
| Open Body Nylon Cart. assembled with Retainer & Plug | BS-102-06 | |

* OTHER O'RINGS AVAILABLE, CONSULT FACTORY

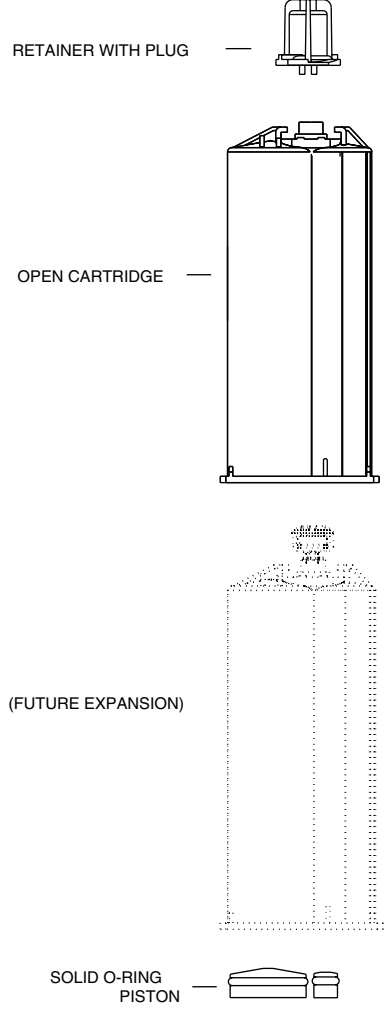
50ml Ratio 4:1 Capacity 42ml



| Description | PP | Nylon |
|--|-----------|----------|
| Open Cartridge Body | B-104-01 | B-104-04 |
| Solid EPDM O-Ring Piston (Large) * | B-306-01 | B-306-21 |
| Solid EPDM O-Ring Piston (Small) * | B-312-01 | B-312-21 |
| Retainer (PP) & Plug (PE) | B-415-01 | |
| Assembled Part Numbers | | |
| Open Body PP Cart. assembled with Retainer & Plug | BS-104-01 | |
| Open Body Nylon Cart. assembled with Retainer & Plug | BS-104-06 | |

* OTHER O'RINGS AVAILABLE, CONSULT FACTORY

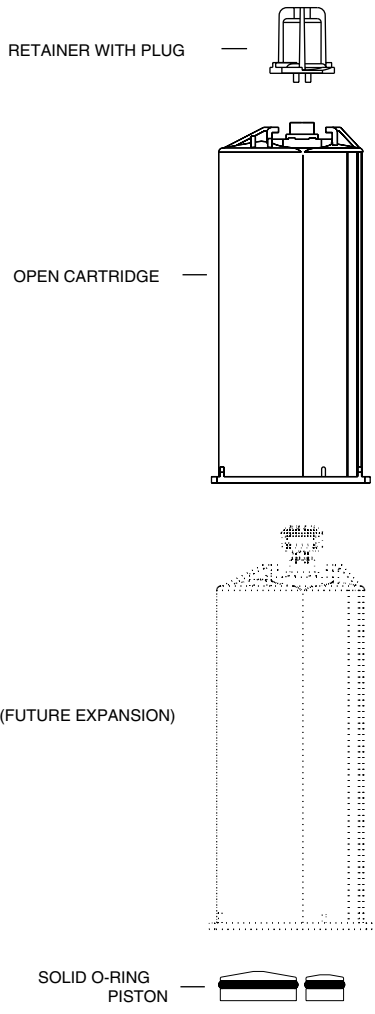
50ml Ratio 10:1 Capacity 37ml



| Description | PP | Nylon |
|--|-----------|----------|
| Open Cartridge Body | B-110-01 | B-110-04 |
| Solid EPDM O-Ring Piston (Large) * | B-306-01 | B-306-21 |
| Solid EPDM O-Ring Piston (Small) * | B-314-01 | B-314-21 |
| Retainer (PP) & Plug (PE) | B-415-01 | |
| Assembled Part Numbers | | |
| Open Body PP Cart. assembled with Retainer & Plug | BS-110-01 | |
| Open Body Nylon Cart. assembled with Retainer & Plug | BS-110-06 | |

* OTHER O'RINGS AVAILABLE, CONSULT FACTORY

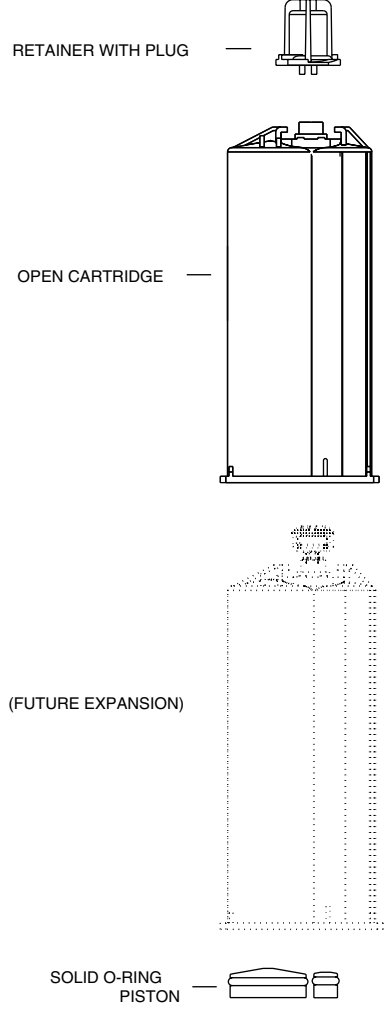
50ml Ratio 4:1 Capacity 42ml



| Description | PP | Nylon |
|--|-----------|----------|
| Open Cartridge Body | B-104-01 | B-104-04 |
| Solid EPDM O-Ring Piston (Large) * | B-306-01 | B-306-21 |
| Solid EPDM O-Ring Piston (Small) * | B-312-01 | B-312-21 |
| Retainer (PP) & Plug (PE) | B-415-01 | |
| Assembled Part Numbers | | |
| Open Body PP Cart. assembled with Retainer & Plug | BS-104-01 | |
| Open Body Nylon Cart. assembled with Retainer & Plug | BS-104-06 | |

* OTHER O'RINGS AVAILABLE, CONSULT FACTORY

50ml Ratio 10:1 Capacity 37ml



| Description | PP | Nylon |
|--|-----------|----------|
| Open Cartridge Body | B-110-01 | B-110-04 |
| Solid EPDM O-Ring Piston (Large) * | B-306-01 | B-306-21 |
| Solid EPDM O-Ring Piston (Small) * | B-314-01 | B-314-21 |
| Retainer (PP) & Plug (PE) | B-415-01 | |
| Assembled Part Numbers | | |
| Open Body PP Cart. assembled with Retainer & Plug | BS-110-01 | |
| Open Body Nylon Cart. assembled with Retainer & Plug | BS-110-06 | |

* OTHER O'RINGS AVAILABLE, CONSULT FACTORY

new
products

TAH
Bulletin NP-01



Reduces Cross Contamination with Improved End Cap

Cross contamination in the nose outlet of standard 50 ml cartridges has always been a problem. The traditional end caps have foam gaskets which sometimes allow cross contamination of A into B during filling or storage. When this occurs, the cartridge outlet hardens. TAH's new end cap features a molded polyethylene plug with two ears. Each ear extends down into the cartridge creating a reliable seal. The durable polyethylene plug is inert to most adhesive systems, such as acrylics, silicones, epoxies, or urethanes.

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190 SERIES

Spiral Mixers Bayonet Nozzle • Plastic

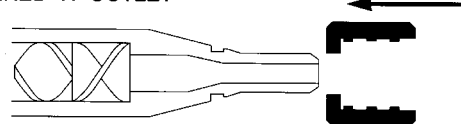


The **190 Series** Spiral Mixer features a standard bayonet connection. This type of mixer is common on 5 or 50 ml two-component cartridges, which are offered by the major adhesive manufacturers. Typical applications include mixing epoxies, urethanes, acrylics and silicones.

Five diameters are available with four different outlet styles. The Slip Luer is our standard offering. The Full Bore ensures maximum flow with minimal back pressure.

The H-Tapered Outlet is offered where precise placement of the adhesives is required. In order to connect Luer needles or extensions, the "H" style mixers are molded with a new interlocking connection. This permits the attachment of an optional Locking Hub. The Locking Hub (**Part No. 160-HUB**) must be ordered separately.

TAPERED "H" OUTLET



Optional Locking Hub
push on and rotate

SPECIFICATION

Elements: Polyplas™

Housing: Polypropylene

Test Kit Available

Contains an assortment of mixers, as well as needles and Locking Hubs.

Part No. 190-TK Price \$20.00

| PART NO. | ELEMENT | | | HOUSING | | | |
|------------|----------|------|-----------------|---------|------|-----------|--------------------|
| | Diameter | | Mixing Elements | Length | | Outlet | Retained Volume-ml |
| | inches | mm | | inches | cm | | |
| 190-208 | 0.093 | 2.36 | 8 | 1.1 | 2.8 | Slip Luer | 0.07 |
| 190-212 | 0.093 | 2.36 | 12 | 1.5 | 3.8 | Slip Luer | 0.10 |
| 190-312H | 0.125 | 3.18 | 12 | 2.1 | 5.3 | H Tapered | 0.20 |
| 190-324H | 0.125 | 3.18 | 24 | 3.4 | 8.6 | H Tapered | 0.40 |
| 190-408H | 0.187 | 4.75 | 8 | 2.1 | 5.3 | H Tapered | 0.40 |
| 190-408BT | 0.187 | 4.75 | 8 | 1.6 | 4.1 | Full Bore | 0.40 |
| 190-416 | 0.187 | 4.75 | 16 | 3.4 | 8.6 | Slip Luer | 0.90 |
| 190-416H | 0.187 | 4.75 | 16 | 3.4 | 8.6 | H Tapered | 0.90 |
| 190-416BT | 0.187 | 4.75 | 16 | 2.9 | 7.4 | Full Bore | 0.80 |
| 190-507 | 0.213 | 5.40 | 7 | 2.3 | 5.8 | Slip Luer | 0.90 |
| 190-517 | 0.213 | 5.40 | 17 | 4.4 | 11.2 | Slip Luer | 1.90 |
| 190-521 | 0.213 | 5.40 | 21 | 5.3 | 13.5 | Slip Luer | 2.40 |
| 190-521-01 | 0.213 | 5.40 | 21 | 5.3 | 13.5 | Stepped | 2.40 |
| 190-612 | 0.250 | 6.35 | 12 | 3.9 | 9.9 | Slip Luer | 1.90 |
| 190-612H | 0.250 | 6.35 | 12 | 3.9 | 9.9 | H Tapered | 1.90 |
| 190-612BT | 0.250 | 6.35 | 12 | 3.3 | 8.4 | Full Bore | 1.80 |
| 190-620 | 0.250 | 6.35 | 20 | 5.9 | 15.0 | Slip Luer | 3.00 |
| 190-620-01 | 0.250 | 6.35 | 20 | 5.9 | 15.0 | Stepped | 3.00 |
| 190-620H | 0.250 | 6.35 | 20 | 5.9 | 15.0 | H Tapered | 3.00 |
| 190-620BT | 0.250 | 6.35 | 20 | 5.3 | 13.5 | Full Bore | 2.80 |

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Distributed By:

APPLICATION NOTES



BULLETIN D-03-C



TAH PLUS™ 50 ml MANUAL DISPENSER

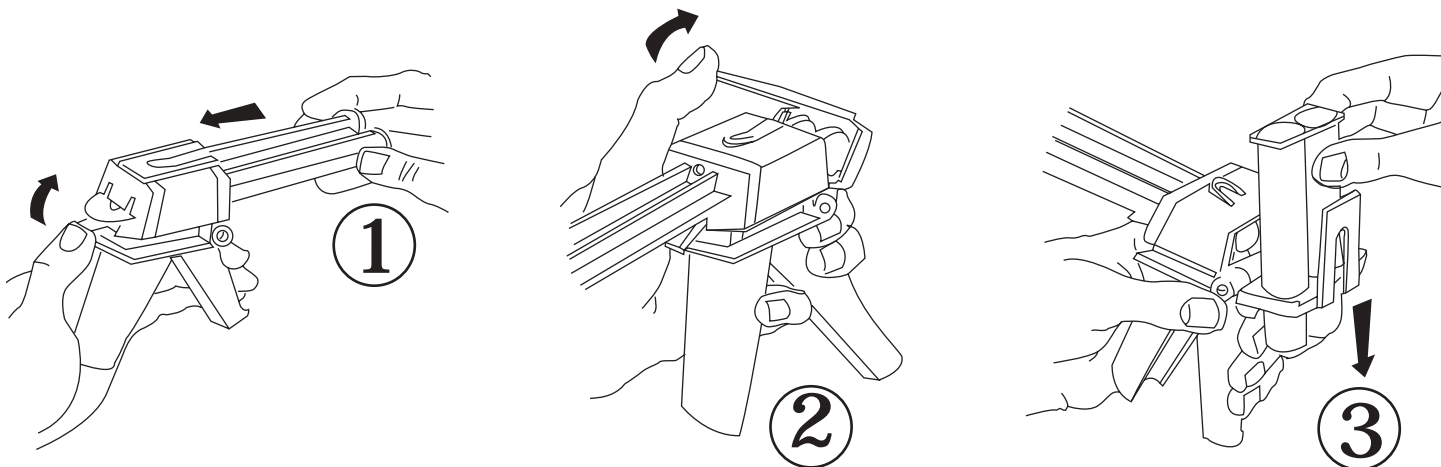
For the TAH Plus™ 50 ml Cartridge System, TAH offers its new manual dispenser. Compared to competitive dispensers, this versatile and more compact design is superior. Consider these advantages:

- **Better Ergonomics** - lighter and more compact
- **Lower Cost and Better Delivery**
- **More Versatile** - will accept all ratios and other cartridge sizes (i.e. 30 ml)
- **Trouble-free** - engineered to eliminate cartridge cracking

This durable and well-balanced design provides trouble-free point of use dispensing. It is designed to fit the TAH Plus™ cartridge and competitive bayonet systems. Custom colors and distinctive labeling are available upon request.

See back for part numbers and instructions.

INSTRUCTIONS: As easy as 1, 2, 3...

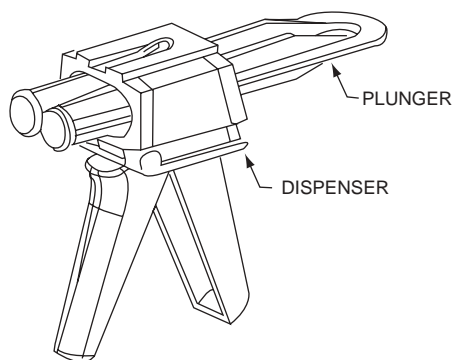


PART NUMBERS

Complete Dispensers:

| PART NO. | DESCRIPTION |
|----------|--------------------------|
| DK-104 | Dispenser + 1:1 Plunger |
| DK-105 | Dispenser + 2:1 Plunger |
| DK-106 | Dispenser + 4:1 Plunger |
| DK-107 | Dispenser + 10:1 Plunger |

| PART NO. | DESCRIPTION |
|----------|--------------------------------------|
| DK-104C | Dispenser with Cutter + 1:1 Plunger |
| DK-105C | Dispenser with Cutter + 2:1 Plunger |
| DK-106C | Dispenser with Cutter + 4:1 Plunger |
| DK-107 C | Dispenser with Cutter + 10:1 Plunger |



Replacement Parts:

| PART NO. | DESCRIPTION |
|----------|-----------------------|
| DK-101 | Dispenser |
| DK-101C | Dispenser with Cutter |
| D-102 | 1:1 Plunger |
| D-103 | 2:1 Plunger |
| D-104 | 4:1 Plunger |
| D-105 | 10:1 Plunger |

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APPLICATION NOTES



LOW COST CAULKING GUN CONVERSION KIT*

TAH's improved Conversion Kit now accepts multi-ratio 50ml cartridge systems (1:1, 2:1, 4:1, and 10:1). This includes our TAH Plus™ or our competitive 50 ml bayonet cartridges. The sleeve is designed for all four ratios of the 50 ml cartridge system. A different plunger is required for each ratio.

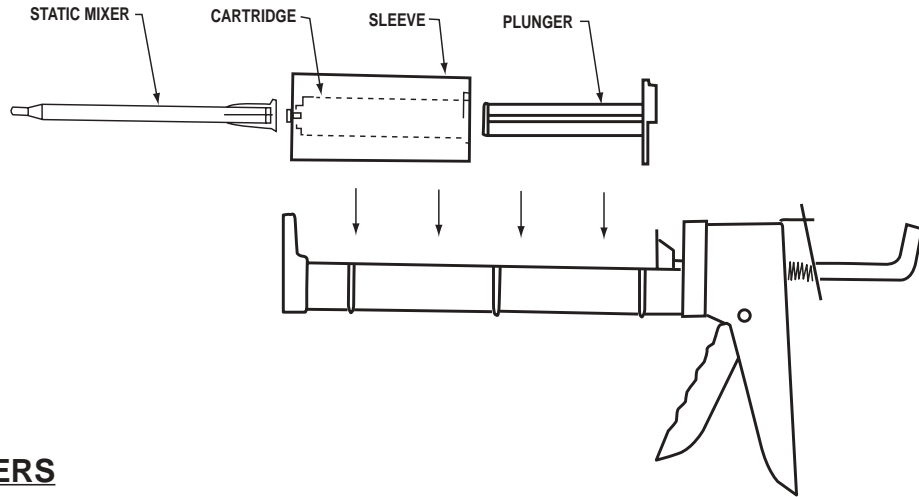
This low cost kit is an exciting alternative to more expensive dispensers. The reusable kit can be used with all "off the shelf" 1/10 gallon American and 310 ml European caulking guns. A practical choice for price sensitive markets such as DIY/home repair, field installations and occasional industrial users. What better way to sample your adhesive products?

See back for part numbers and instructions.

*U.S. Patent No. 5, 535, 922 - international patents pending.

INSTRUCTIONS

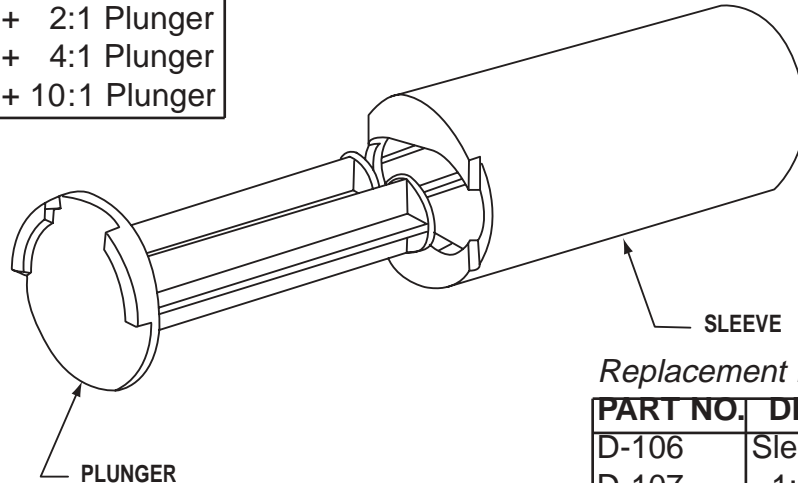
1. Insert TAH Plus™ Cartridge, nose first, through the oval opening (this is the end with the smaller opening) of the sleeve until the cartridge flange fits snugly against the end of the sleeve.
2. Place plunger in the back end of the TAH Plus™ Cartridge.
3. Connect static mixer to TAH Plus™ Cartridge.
4. Place the conversion kit, with mixer and TAH Plus™ Cartridge, in a caulking gun as shown in the diagram below.



PART NUMBERS

Complete Kits:

| PART NO. | DESCRIPTION |
|----------|-----------------------|
| DK-117 | Sleeve + 1:1 Plunger |
| DK-118 | Sleeve + 2:1 Plunger |
| DK-119 | Sleeve + 4:1 Plunger |
| DK-120 | Sleeve + 10:1 Plunger |



Replacement Parts:

| PART NO. | DESCRIPTION |
|----------|--------------|
| D-106 | Sleeve |
| D-107 | 1:1 Plunger |
| D-108 | 2:1 Plunger |
| D-109 | 4:1 Plunger |
| D-110 | 10:1 Plunger |

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E-mail: info@tah.com

2 – Component Cartridge Request For Quotation

| | |
|--|-----------------------------------|
| Company: _____ | Date: _____ |
| Address: _____ | Name: _____ |
| City: _____ | Title: _____ |
| State / Province: _____ | Phone: _____ |
| Country _____ | Fax: _____ |
| Zip / Postal Code: _____ | E-mail: _____ |
| Attention Quote to: _____ | Quote Required By (mmddyy): _____ |
| Preferred Method of Contact: <input type="checkbox"/> E-mail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> Mail | |
| Urgency of Requested Information: <input type="checkbox"/> Immediate <input type="checkbox"/> 30 days <input type="checkbox"/> 60 days <input type="checkbox"/> Information Only | |

ADHESIVE

a. Type of Adhesive Epoxy Acrylic Polyester Methacrylate
 Urethane Silicone Other _____

b. Characteristics

| | A | B |
|-------------------------|---|---|
| Volume Ratio | | |
| Viscosity (cps or mpas) | | |
| Color | | |

c. Pot life (minute or hour) _____

APPLICATION

a. Industry: Automotive After Market Construction Dental Industrial
 Medical Other _____

b. Dispensing Method: Manual Pneumatic Electric

c. Current Dispenser Supplier: TAH Mixpac Albion Cox Kroger Other

d. Application Description: _____

e. Estimated Annual Usage of Cartridges: _____

f. Size: 9mL 50mL 200mL 400mL 600mL Other

g. Special Packaging Considerations: _____

STATIC MIXER

a. Type of mixer (ID x number of elements): _____

b. Style of Mixer: Bayonet Bell Integral Nut

Additional Information:

a. Current supplier of two component cartridges: _____

b. Why are you seeking competitive product?: Cost Availability Other