

Epoxy-Tie® Adhesive Dispensing Tools

Each tool has been designed to work with Epoxy-Tie® cartridges for trouble-free dispensing. These tools are for use with SET, SET-XP™, EDOT™, ET, ETI adhesives and CIP and CIP-F paste-over material.

CDT-10

Premium Manual Dispensing Tool for SET-PAC EZ™ Adhesive, AT10 Adhesive and other Single Cartridge Adhesives –

The CDT10 features a high thrust drive mechanism and a molded fiber reinforced nylon body for ultimate strength and light weight. The handle is positioned under the cartridge for balance and ease of use. The drive mechanism is released by pushing forward on the drive handle. Cartridges “snap-lock” into position.



CDT10

EDT22B

Manual Dispensing Tool for 22 oz. Cartridges –

The EDT22B features a molded fiber reinforced nylon body for ultimate strength and light weight. The handle is positioned under the cartridge for balance and ease of use. The drive mechanism is released by pushing forward on the drive handle. Cartridges “snap-lock” into position.



EDT22B

EDT22CKT

Battery-Powered Dispensing Tool for 22 oz. Cartridges –

The EDT22CKT offers power dispensing without the need for a hose or compressor. The tool features dosage and rate control for maximum efficiency. Each battery charge dispenses approximately 25 cartridges and recharging takes 1 hour. Tool comes complete with two 14.4V batteries and a charger.



EDT22CKT
Tool

EDT22CKT
Charger

EDT22AP

Pneumatic Dispensing Tool for 22 oz. Cartridges –

The EDT22AP has an ergonomically designed nylon handle that includes a flow rate adjustment. This lightweight tool (6 lbs.) also features a power piston return.

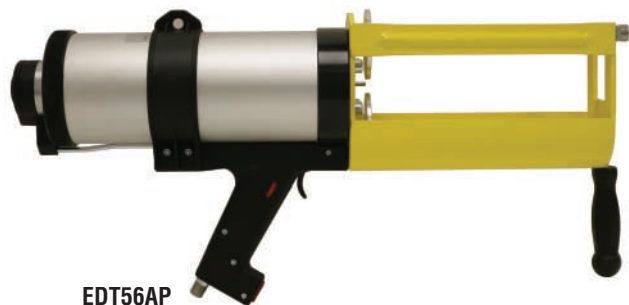
EDT56AP

Pneumatic Dispensing Tool for 56 oz. Cartridges –

The EDT56AP has an ergonomically designed nylon handle that includes a flow rate adjustment. This lightweight tool (9 lbs.) also features a power piston return.



EDT22AP



EDT56AP

Description	Model No.	Ctn Qty
Premium Tool for single tube cartridges	CDT10	1
Manual Tool for 22 oz. cartridges	EDT22B	1
Battery Powered Tool for 22 oz. cartridges	EDT22CKT	1
Pneumatic Tool for 22 oz. cartridges ^{1,2}	EDT22AP	1
Pneumatic Tool for 56 oz. cartridges ^{1,2}	EDT56AP	1

1. Air supply attachment is 1/4-18 NPT (male) thread.
2. Recommended operating air pressure is between 80–100 psi (116 psi max.).

Maintenance tips, troubleshooting and repair parts schematics available at www.simpsonanchors.com.

ADHESIVE ACCESSORIES

Adhesive Accessories

Acrylic-Tie® Adhesive Dispensing Tools

ADT813B

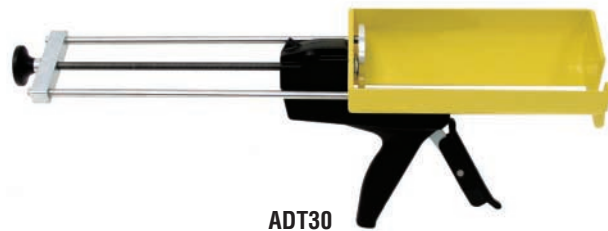
Manual Dispensing Tool for 8 oz. and 13 oz. Cartridges –
 The ADT813B features a molded fiber-reinforced nylon body for ultimate strength and light weight. The handle is positioned under the cartridge for balance and ease of use. The drive mechanism is released by pushing forward on the drive handle. Cartridges “snap-lock” into position.



ADT813B

ADT30

Manual Dispensing Tool for 30 oz. Cartridges –
 The ADT30 features a steel carriage and a molded fiber-reinforced nylon body for ultimate strength and light weight. The handle is positioned under the cartridge for balance and ease of use. The drive mechanism is released by pushing forward on the drive handle.



ADT30

ADT30CKT

Battery Powered Dispensing Tool for 30 oz. Cartridges –
 The ADT30CKT offers power dispensing without the need for a hose or compressor. The tool features dosage and rate control for maximum efficiency. Each battery charge dispenses approximately 25 cartridges and recharging takes 1 hour. Tool comes complete with two 14.4V batteries and a charger.



ADT30CKT
Tool

ADT30CKT
Charger

ADT30P

Pneumatic Dispensing Tool for 30 oz. Cartridges –
 The ADT30P has an ergonomically designed nylon handle complete with flow rate adjustment. This lightweight tool (6 lbs.) also features a power piston return.



ADT30P

Description	Model No.	Ctn Qty
Manual Tool for 8 oz. and 13 oz. cartridges	ADT813B	1
Manual Tool for 30 oz. cartridges	ADT30	1
Battery Powered Tool for 30 oz. cartridges	ADT30CKT	1
Pneumatic Tool for 30 oz. cartridges ^{1,2}	ADT30P	1

1. Air supply attachment is 1/4-18 NPT (male) thread.
 2. Recommended operating air pressure is between 80–100 psi (116 psi max.).

Maintenance tips, troubleshooting and repair parts schematics available at www.simpsonanchors.com.

Mixing Nozzles and Retaining Nuts

Mixing nozzles are designed for the proper proportioning and mixing of the different adhesive formulations. Use only appropriate Simpson Strong-Tie mixing nozzle in accordance with Simpson Strong-Tie's instructions. Modification or improper use of mixing nozzle may impair epoxy or acrylic performance.

EMN22i – An 18-element mixing nozzle for use with 22 oz. and 56 oz. Epoxy-Tie® cartridges and the 30 oz. AT Acrylic-Tie® adhesive cartridge. This is a one piece nozzle with integrated nut (separate retaining nut not required).

EMN50 – A hi-volume 5/8" diameter 24-element nozzle, with an integrally molded retaining nut. This nozzle provides approximately 2 times the dispensing rate of the EMN22i. The major outer diameter is 7/8". Fits 22 oz., and 56 oz. cartridges.

AMN813 – 12-element mixing nozzle with integrally molded retaining nut for use with 5oz., 8 oz., 10 oz. and 13 oz. AT Acrylic-Tie® adhesive cartridges.

EMN37A – An 18-element, high-strength, mixing nozzle for dispensing Epoxy-Tie® adhesive through bulk metering equipment.

Description	Model No.	Pkg Qty	Ctn Qty
Mixing nozzle for 1.7 oz. cartridge (separate retaining nut not required).	EMN1.7-R	2	24 Packs (2 nozzles per pack)
18-element nozzle for 22 oz. and 56 oz. Epoxy-Tie® and 30 oz. AT Acrylic-Tie® adhesive. Features an integrated threaded nut for attachment to cartridges.	EMN22i	1	12 Nozzles
	EMN22i-RP5	5	6 Packs (5 nozzles per pack)
	EMN22i-RP10	10	4 Packs (10 nozzles per pack)
	EMN22iB	—	500
18-element nozzle for dispensing epoxy through metering equipment	EMN37A-RP5	5	6 Packs (5 nozzles per pack)
Hi-volume nozzle for 22 oz., and 56 oz. cartridges (separate retaining nut not required), 17" long, major diameter 7/8"	EMN50	—	10
Five mixing nozzles for 5 oz., 8 oz., 10 oz. and 13 oz. AT Acrylic-Tie® adhesive cartridges	AMN813-RP5	5	10 Packs (5 nozzles per pack)



EMN22i



EMN37A



EMN50



AMN813

For 5 oz., 8 oz., 10 oz. and 13 oz. AT Acrylic-Tie® adhesive cartridges

Adhesive Accessories

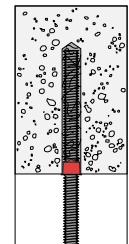
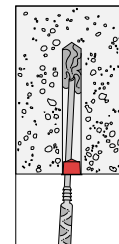
Adhesive Retaining Caps

Adhesive retaining caps make overhead and horizontal installation easier by preventing the adhesive from running out of the hole. They also center the rod in the hole, making them ideal for applications where precise anchor placement is required. It may be necessary to provide support for the insert during cure time. Adhesive retaining caps are not designed to support the weight of the insert in overhead installations.

MATERIAL: Plastic



Adhesive Retaining Caps



The "X" cut in the cap allows the mixing nozzle and insert to pass through, while containing the adhesive in the hole.

Adhesive Retaining Caps for Epoxy-Tie

Model No.	For Rod Dia. (in)	Required Hole Diameter (in)	Cap Depth (in)	Pkg Qty	Ctn Qty* (ea)
ARC37-RP25	3/8	1/2	7/16	25	200
ARC50-RP25	1/2	5/8	1/2	25	200
ARC62-RP25	5/8	3/4	9/16	25	200
ARC75-RP25	3/4	7/8	9/16	25	200
ARC87-RP25	7/8	1	1 1/16	25	200
ARC100-RP25	1	1 1/8	1 1/16	25	200
ARC125-RP25	1 1/4	1 3/8	7/8	25	200

Adhesive Retaining Caps for Acrylic-Tie

Model No.	For Rod Dia. (in)	Required Hole Diameter (in)	Cap Depth (in)	Pkg Qty	Ctn Qty* (ea)
ARC37A-RP25	3/8	7/16	7/16	25	200
ARC50A-RP25	1/2	9/16	1/2	25	200
ARC62A-RP25	5/8	1 1/16	9/16	25	200
ARC75A-RP25	3/4	1 3/16	9/16	25	200
ARC87-RP25	7/8	1	1 1/16	25	200
ARC100A-RP25	1	1 1/16	1 1/16	25	200
ARC125-RP25	1 1/4	1 3/8	7/8	25	200

*8 packages of 25.

ADHESIVE ACCESSORIES

Adhesive Accessories

Steel Adhesive-Anchoring Screen Tubes

Screen tubes are used in hollow base material applications to contain adhesive around the anchor and prevent it from running into voids. Simpson Strong-Tie® screen tubes are specifically designed to work with AT, SET and ET adhesives in order to precisely control the amount of adhesive that passes through the mesh. This results in thorough coating and bonding of the rod to the screen tube and base material. Order screen tubes based upon rod diameter and adhesive type. The actual outside diameter of the screen tube is larger than the rod diameter.

MATERIAL: Acrylic-Tie® screen tubes: 50 mesh stainless steel;
Epoxy-Tie® screen tubes: 60 mesh carbon steel.

Caution: Screen tubes are designed for a specific adhesive type. Epoxy-Tie® screen tubes must be used with SET or ET formulations and Acrylic-Tie® screen tubes must be used with Acrylic-Tie® adhesive. Do not use SET1.7KT or SET1.7KTA with screen tubes.



Epoxy-Tie® Screen Tube
(Acrylic-Tie® Screen Tubes Similar)

Screen tubes are for use in hollow CMU, hollow brick and unreinforced masonry applications.

Contact Simpson Strong-Tie for information on special order sizes.

Acrylic-Tie® Screen Tubes – Stainless Steel

For Rod Dia. (in.)	Hole Size (in.)	Actual Screen Size O.D./Length (in.)	Model No.	Carton Qty.
3/8	9/16	15/32 X 3 1/2	ATS373	150
		15/32 X 6	ATS376	150
1/2	11/16	19/32 X 3 1/2	ATS503	100
		19/32 X 6	ATS506	100
		19/32 X 10	ATS5010	50
5/8	7/8	25/32 X 3	ATS623	50
		25/32 X 6	ATS626	50
		25/32 X 10	ATS6210	25
		25/32 X 13	ATS6213	25
3/4	1	29/32 X 8	ATS758	25
		29/32 X 13	ATS7513	25
		29/32 X 17	ATS7517	25

Epoxy-Tie® (SET & ET) Screen Tubes – Carbon Steel


For Rod Dia. (in.)	Hole Size (in.)	Actual Screen Size O.D./Length (in.)	Model No.	Carton Qty.
3/8	9/16	15/32 X 6	ETS376	150
		15/32 X 10	ETS3710	100
1/2	11/16	19/32 X 6	ETS506	100
		19/32 X 10	ETS5010	50
5/8	7/8	25/32 X 6	ETS626	50
		25/32 X 10	ETS6210	25
		25/32 X 13	ETS6213	25
3/4	1	29/32 X 8	ETS758	25
		29/32 X 13	ETS7513	25
		29/32 X 17	ETS7517	25
		29/32 X 21	ETS7521	25

Note: Not for use with SET1.7KT or SET1.7KTA.

Opti-Mesh® Adhesive-Anchoring Screen Tubes

Screen tubes are vital to the performance of adhesive anchors in base materials that are hollow, or contain voids, such as hollow block and brick. The Simpson Strong-Tie® Opti-Mesh® screen tube provides the economical advantage of a plastic screen tube while providing performance comparable to steel screen tubes and better than competitive plastic screen tubes.

MATERIAL: Plastic

 **Caution:** Screen tubes are designed for a specific adhesive type. Epoxy-Tie® screen tubes must be used with SET or ET formulations and Acrylic-Tie® screen tubes must be used with AT Acrylic-Tie® adhesive. Do not use SET1.7KT or SET1.7KTA with screen tubes.

Epoxy-Tie® (SET & ET) Screen Tubes - Plastic

For Rod Dia. (in)	Hole Size (in)	Length (in)	Model No.	Carton Qty.
3/8	9/16	3 1/2	ETS373P	150
		6	ETS376P	150
		10	ETS3710P	100
1/2	3/4	3 1/2	ETS503P	100
		6	ETS506P	100
		10	ETS5010P	50
5/8	7/8	3 1/2	ETS623P	50
		6	ETS626P	50
		10	ETS6210P	25
		13	ETS6213P	25
3/4	1	8	ETS758P	25
		13	ETS7513P	25
		17	ETS7517P	25
		21	ETS7521P	25

Load values for installations with SET Epoxy are on page 47. Load values for installations with ET Epoxy in unreinforced masonry are on page 59. Not for use with SET1.7KT or SET1.7KTA.

Acrylic-Tie® Screen Tubes - Plastic

For Rod Dia. (in)	Hole Size (in)	Length (in)	Model No.	Carton Qty.
3/8	9/16	3 1/2	ATS373P	150
		6	ATS376P	150
		10	ATS3710P	100
1/2	3/4	3 1/2	ATS503P	100
		6	ATS506P	100
		10	ATS5010P	50
5/8	7/8	3 1/2	ATS623P	50
		6	ATS626P	50
		10	ATS6210P	25
		13	ATS6213P	25
3/4	1	8	ATS758P	25
		13	ATS7513P	25
		17	ATS7517P	25
		21	ATS7521P	25

Load values for installations with AT Acrylic-Tie® adhesive are on page 76.



U.S. Patent 6,837,018
Epoxy-Tie® Screen Tube
(mesh is black)

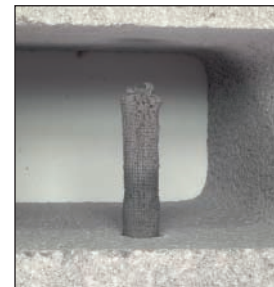


The integral cap centers the rod and displays drill bit and rod diameter.



Acrylic-Tie® screen tube
(mesh is white)

Screen tubes are for use in hollow CMU, hollow brick and unreinforced masonry applications.



The photo on the left shows the Opti-Mesh® screen tube installed in a hollow CMU block. The extra collar of adhesive created by the open-mesh collar results in increased bearing area and higher load values. The typical screen tube shown on the right relies on the bond between the relatively small amount of adhesive in contact with the face shell of the block for its holding power.

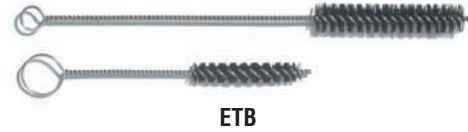
ADHESIVE ACCESSORIES

Adhesive Accessories

Hole Cleaning Brushes

Brushes are used for cleaning drilled holes prior to adhesive anchor installation. Brushes have a twisted wire handle with nylon bristles.

Description	Model No.	For Anchor/Rebar Diameter (in.)	For Hole Diameter (in.)	Ctn Qty
1/2" dia x 3" brush (8" total length)	ETB4	3/8" - 1/2"	1/4" - 9/16"	24
3/4" x 4" brush (16" total length)	ETB6	1/2" - 5/8"	5/8" - 13/16"	24
1" x 4" brush (16" total length)	ETB8	3/4"	7/8" - 1"	24
1" x 4" brush (24" total length)	ETB8L	3/4"	7/8" - 1"	24
1 1/4" x 4" brush (29" total length)	ETB10	7/8" - 1 1/4"	1" - 1 5/8"	24



Adhesive Shear Tubes

Used in conjunction with anchoring adhesive and screen tubes, adhesive shear tubes transfer anchor shear loads over a larger area, reducing localized crushing in unreinforced masonry installations. Required for thru bolt applications per ICC-ES' unreinforced masonry anchorage "Configuration C" detail. For detailed installation instructions refer to the appropriate adhesive anchor ICC-ES report.

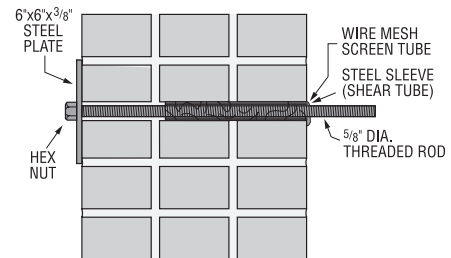
- MATERIAL:** Steel
- FINISH:** Zinc-plated

Description (in.)	Model No.	For use with Simpson Screen Model No. ¹	Drill Bit Dia. (in.)	Threaded Rod Diameter (in.)	Carton Qty.
1 3/16 x 8	AST800	ETS758, ATS758	1	5/8	1

1. Screens sold separately. Not for use with Simpson Strong-Tie screen #ETS758P or ATS758P.



Adhesive Shear Tube



Configuration C

Retrofit Bolts

RFBs are pre-cut threaded rod, supplied with nut and washer. For use with Simpson Strong-Tie® adhesives. May be ordered in bulk without the nut and washer. Use with Simpson Strong-Tie® adhesives to anchor into existing concrete and masonry. Offers a complete engineered anchoring system when used with Simpson Strong-Tie anchoring adhesives. Inspection is easy; each end of the threaded rod is stamped with rod length in inches and "No-Equal" symbol for identification after installation.

- MATERIAL:** A307, Grade C (F1554, Grade 36)
- FINISH:** Zinc-plated, hot-dip galvanized

Description Dia. Length	Zinc Plated Model No.	Hot-Dip Galvanized Model No.	Ctn Qty	Bulk ¹ Qty	Retail ² Pack
1/2" x 4"	RFB#4x4	RFB#4x4HDG	50	50	-
1/2" x 5"	RFB#4x5	RFB#4x5HDG	50	50	10
1/2" x 6"	RFB#4x6	RFB#4x6HDG	50	50	10
1/2" x 7"	RFB#4x7	RFB#4x7HDG	50	50	10
1/2" x 8"	-	RFB#4x8HDG	-	-	10
1/2" x 10"	RFB#4x10	RFB#4x10HDG	25	-	10
5/8" x 5"	RFB#5x5	RFB#5x5HDG	50	50	10
5/8" x 8"	RFB#5x8	RFB#5x8HDG	50	-	10
5/8" x 10"	RFB#5x10	RFB#5x10HDG	50	-	10
5/8" x 12"	-	RFB#5x12HDG	-	-	10
5/8" x 16"	RFB#5x16	RFB#5x16HDG	25	25	10
3/4" x 10 1/2"	RFB#6x10.5	RFB#6x10.5HDG	25	25	-



RFB Retrofit Bolts

- Bulk quantities do not include the nut and washer and must be ordered with a "B" suffix (example: RFB#4x5-B). Hot-dip galvanized RFB's not available in bulk.
- Retail packs must be ordered with a "R" suffix (example: RFB#5x12HDG-R).