

Adhesive Accessories

Adhesive Dispensing Tools

Our heavy-duty tools are designed to work with our cartridges for trouble-free dispensing. Each manual tool provides a 26:1 drive mechanism for easier dispensing of high-viscosity adhesive.

CDT10S**Manual Dispensing Tool for Single Cartridge Adhesives**

The CDT10S features a steel carriage for ultimate durability and is engineered for continuous, high-volume use, as well as double-gripping plates that help extend tool life.



CDT10S

EDT22S**Manual Dispensing Tool for 22 oz. Adhesive Cartridges**

The EDT22S epoxy adhesive tool features a steel carriage and is engineered for high-volume, continuous use. The tool can be easily converted (conversion parts included) from dispensing a 22 oz., 1:1 ratio cartridge to a 16.5 oz., 2:1 ratio cartridge.



EDT22S

EDTA22CKT**Battery-Powered Dispensing Tool for 22 oz. Cartridges**

The EDTA22C offers power dispensing of 22 oz., 1:1 ratio, dual-cartridge adhesives without the need for a hose or compressor. The 18V lithium-ion battery is 50% lighter than NiCad and offers 40% longer run time and 30-minute recharging. Tool converts to dispense 16.5 oz., 2:1 ratio dual-cartridge adhesives (conversion parts included). The EDTA22CKT comes with the dispensing tool, two 18V lithium-ion battery packs and a charger.

EDTA22CKT
Tool and Charger**EDTA22P****Pneumatic Dispensing Tool for 22 oz. Cartridges**

The EDTA22P tool features an optional suitcase handle adapter for the ultimate in tool configuration and dispensing convenience, enabling easier and time-saving ground-level doweling. The heavy-duty tool comes with a custom, blow-molded plastic carrying case.



EDTA22P

EDTA56P**Pneumatic Dispensing Tool for 56 oz. Cartridges**

The EDTA56P tool features an optional suitcase handle adapter for the ultimate in tool configuration and dispensing convenience, enabling easier and time-saving ground-level doweling. The heavy-duty tool comes with a custom, blow-molded plastic carrying case.



EDTA56P

Description	Model No.
Premium tool for single-tube cartridges	CDT10S
Manual tool for 22 oz. cartridges	EDT22S
Replacement 14.4V battery (ea.)	EDT14B
Battery-powered tool for 22 oz. cartridges	EDTA22CKT
Pneumatic tool for 22 oz. cartridges ^{1,2}	EDTA22P
Pneumatic tool for 56 oz. cartridges ^{1,2}	EDTA56P

1. Air supply attachment is ¼–18 NPT (male) thread.
2. Recommended operating air pressure is between 80 and 100 psi.

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

SET-3G™ High-Strength Epoxy Adhesive

SET-3G Adhesive Cartridge System

Model No.	Capacity (ounces)	Cartridge Type	Carton Quantity	Dispensing Tool(s)	Mixing Nozzle
SET3G10 ¹	8.5	Coaxial	12	CDT10S	EMN22I
SET3G22-N ¹	22	Side-by-side	10	EDT22S, EDTA22P, EDTA22CKT	EMN22I

1. One EMN22I mixing nozzle and one extension are supplied with each cartridge.
2. Cartridge estimation guidelines are available at strongtie.com/apps.
3. Use only Simpson Strong-Tie® mixing nozzles in accordance with Simpson Strong-Tie instructions. Modification or improper use of mixing nozzle may impair SET-3G adhesive performance.

SET-3G Cure Schedule^{1,2}

Concrete Temperature		Gel Time	Cure Time
(°F)	(°C)	(min.)	(hr.)
40	4	120	192
50	10	75	72
60	16	50	48
70	21	35	24
90	32	25	24
100	38	15	24

For SI: 1°F = (°C x 9/5) + 32.

1. For water-saturated concrete and water-filled holes, the cure times should be doubled.
2. For installation of anchors in concrete where the temperature is below 70°F (21°C), the adhesive must be conditioned to a minimum temperature of 70°F (21°C).

SET-XP® High-Strength Epoxy Adhesive

SET-XP Cartridge System

Model No.	Capacity (ounces)	Cartridge Type	Carton Quantity	Dispensing Tool(s)	Mixing Nozzle
SET-XP10 ⁴	8.5	Single	12	CDT10S	EMN22I
SET-XP22	22	Side-by-Side	10	EDT22S, EDTA22P, EDTA22CKT	
SET-XP22-N ⁴	22	Side-by-Side	10	EDT22S, EDTA22P, EDTA22CKT	
SET-XP56	56	Side-by-Side	6	EDTA56P	

1. Cartridge estimation guidelines are available at strongtie.com/apps.
2. Detailed information on dispensing tools, mixing nozzles and other adhesive accessories is available at strongtie.com.
3. Use only Simpson Strong-Tie mixing nozzles in accordance with Simpson Strong-Tie instructions. Modification or improper use of mixing nozzle may impair SET-XP adhesive performance.
4. One EMN22I mixing nozzle and one nozzle extension are supplied with each cartridge.

Cure Schedule

Base Material Temperature		Gel Time (minutes)	Cure Time (hrs.)
°F	°C		
50	10	75	72
60	16	60	48
70	21	45	24
90	32	35	24
110	43	20	24

For water-saturated concrete, the cure times must be doubled.

ET-HP® Epoxy Adhesive

ET-HP Package Systems

Model No.	Capacity (ounces)	Package Type	Carton Quantity	Dispensing Tools	Mixing Nozzle
ET-HP22-N [†]	22	Side-by-side	10	EDT22S	EMN22i
ET-HP22	22	Side-by-side	10	EDT22CKT	EMN22i

1. Cartridge estimation guidelines are available at strongtie.com/apps.
2. Detailed information on dispensing tools, mixing nozzles and other adhesive accessories is available at strongtie.com.
3. Use only Simpson Strong-Tie® mixing nozzles in accordance with Simpson Strong-Tie instructions. Modification or improper use of mixing nozzle may impair ET-HP adhesive performance.
4. One EMN22i mixing nozzle and one nozzle extension are supplied with each cartridge.

Cure Schedule

Base Material Temperature		Gel Time (minutes)	Cure Time ¹ (hrs.)
°F	°C		
50	10	45	72
60	16	30	24
80	27	20	24
100	38	15	24

1. For water-saturated concrete, the cure times must be doubled.

SET Epoxy Adhesive

SET Cartridge System

Model No.	Capacity (ounces)	Cartridge Type	Carton Quantity	Dispensing Tools	Mixing Nozzle
SET22	22	Side-by-side	10	EDT22S, EDTA22CKT EDTA22P	EMN22I
SET22-N ⁴	22	Side-by-side	10		EMN22I

1. Cartridge estimation guidelines are available at strongtie.com/apps.
2. Detailed information on dispensing tools, mixing nozzles and other adhesive accessories is available at strongtie.com.
3. Use only Simpson Strong-Tie mixing nozzles in accordance with Simpson Strong-Tie instructions. Modification or improper use of mixing nozzle may impair SET adhesive performance.
4. One EMN22I mixing nozzle and one nozzle extension are supplied with each cartridge.

Cure Schedule

Base Material Temperature		Cure Time (hrs.)
°F	°C	
40	4	72
65	18	24
85	29	20
90	32	16

For water-saturated concrete (including damp and water-filled holes), the cure times must be doubled.

In-Service Temperature Sensitivity

Base Material Temperature		Percent Allowable Load
°F	°C	
40	4	100%
70	21	100%
110	43	100%
135	57	75%
150	66	44%
180	82	20%

1. Percent allowable load may be linearly interpolated for intermediate base material temperatures.
2. $^{\circ}\text{C} = (^{\circ}\text{F} - 32) / 1.8$

Adhesive Nozzle Accessories

EMN22i

An 18-element mixing nozzle with integrated nut for use with 22 oz. and 56 oz. epoxy adhesive cartridges.

**EMN22i**

Model No.	Option	Package Quantity	Carton Quantity
EMN22i	18-element nozzle for 22 oz. and 56 oz. epoxy adhesive. Includes integrated threaded nut for attachment to cartridges.	1	12
EMN22i-RP10	18-element nozzle for 22 oz. and 56 oz. epoxy adhesive. Includes integrated threaded nut for attachment to cartridges.	10	3
EMN22i-RP5	18-element nozzle for 22 oz. and 56 oz. epoxy adhesive. Includes integrated threaded nut for attachment to cartridges.	5	6
EMN22iB	18-element nozzle for 22 oz. and 56 oz. epoxy adhesive. Includes integrated threaded nut for attachment to cartridges.	500	500

EMN50

A high-volume nozzle for 22 oz. and 56 oz. epoxy cartridges.

**EMN50**

Model No.	Option	Package Quantity
EMN50	Hi-volume nozzle for 22 oz. and 56 oz. cartridges (separate retaining nut not required), 17" long, major diameter 7/8"	10

AMN19Q

A 19-element high-strength static mixing nozzle for use with all acrylic adhesive products.

**AMN19Q**

Model No.	Option	Package Quantity	Carton Quantity
AMN19Q-RP5	Five mixing nozzles for AT-XP® product.	5 nozzles per pack	10