

# GROUT-TIE

## Grouted remedial ties for stabilizing solid and cavity masonry walls

The PROSOCO Grout-Tie improves the overall stability of a masonry wall by filling in voids while causing minimal disruption. This simple, cost-effective method can be used in a variety of structures and scenarios, including pinning rubble filled masonry or stone walls, re-connecting veneer walls to the backup structure, and pinning masonry arches. This easy process installs the grout and tie simultaneously.



**COST EFFECTIVE**



**FULLY CONCEALED**



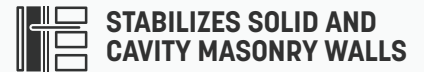
**QUICK AND SIMPLE**



**MINIMUM DISTURBANCE**



**CORROSION RESISTANT**



**STABILIZES SOLID AND CAVITY MASONRY WALLS**



### Stitch-Ties

8mm diameter Stitch-Ties of AISI type 304 or 316 stainless steel

### SureGrout S

a high performance non-corrosive, non-oxidizing thixotropic cement based grout

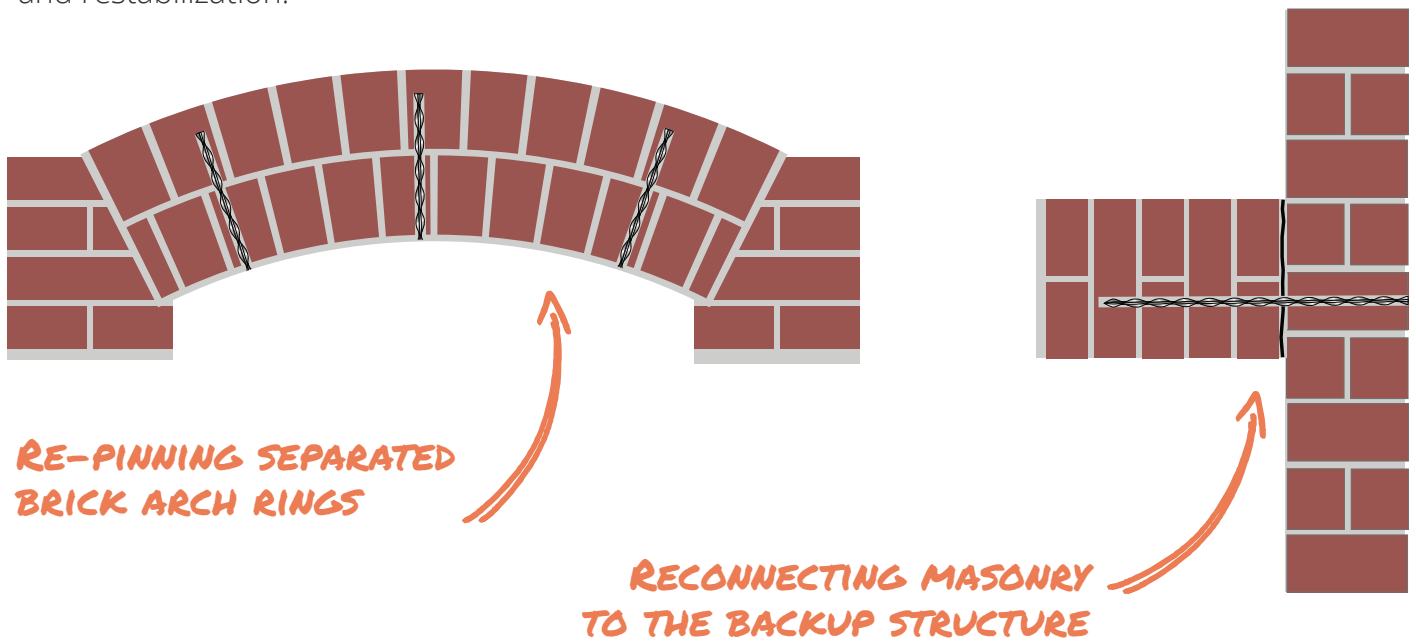
### Pinning Nozzle & Coupler

### Grout Gun, Paddle & Nozzle

# GROUT-TIE

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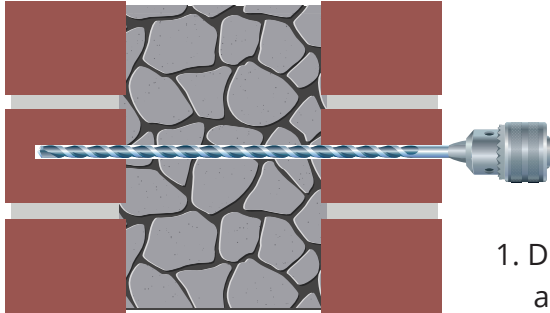
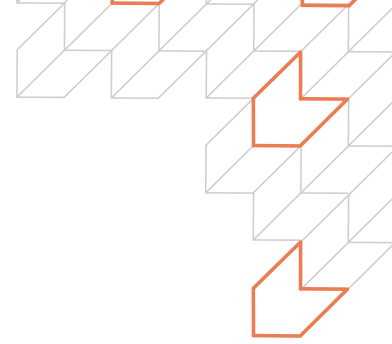
Follow these step-by-step instructions for an easy and cost-effective wall repair and restabilization.



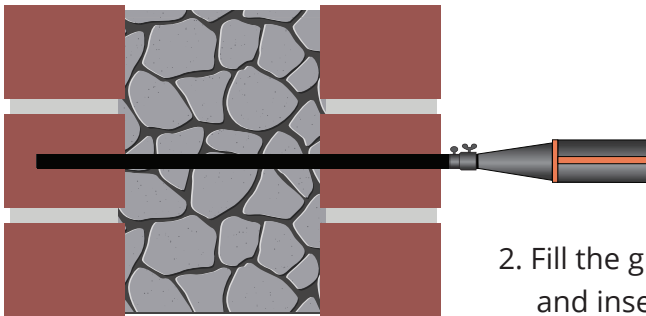
### Installation Steps

1. Drill hole to the required depth and remove dust and debris with water.
2. Cut the Helical Grout-Tie pinning nozzle to size.
3. Place pre-cut nozzle over the grout gun tip and attach to the grout gun with the wing nut coupler (See Page 4).
4. Mix the two-part ready to mix packs of SureGrout S powder with the provided admixture. Pour the liquid into the pail provided, pour the powder slowly into the pail, and mix with a paddle mixer for a full 2 minutes ensuring that the powder is completely blended. (No additional water or powder should be added. Once mixed, the grout is ready to be used and has a usability time of 45 minutes. Cover pail from direct sunlight.)
5. Load the mixed SureGrout S into the PROSOCO grout gun.
6. Pump the SureGrout S to fill the nozzle.
7. Insert the nozzle to the end of the drilled hole and pump the SureGrout S until the hole is filled.
8. Insert the 8mm diameter Stitch-Tie into the grout-filled hole while spinning clockwise to ensure that it is fully covered in grout.

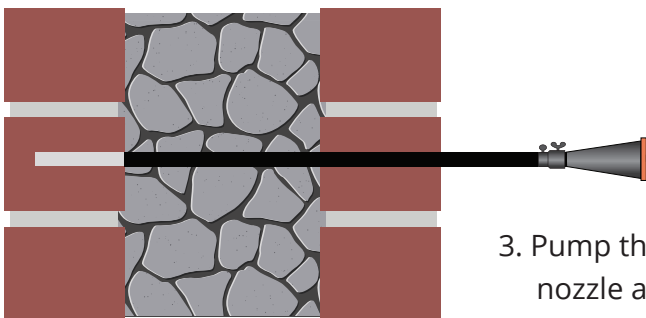
# HELICAL GROUT-TIE INSTALLATION



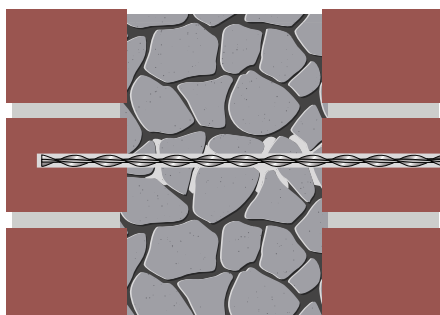
1. Drill hole to the required depth and clean with water.



2. Fill the grout gun and nozzle with the SureGrout S, and insert the nozzle into the back of the drilled hole.



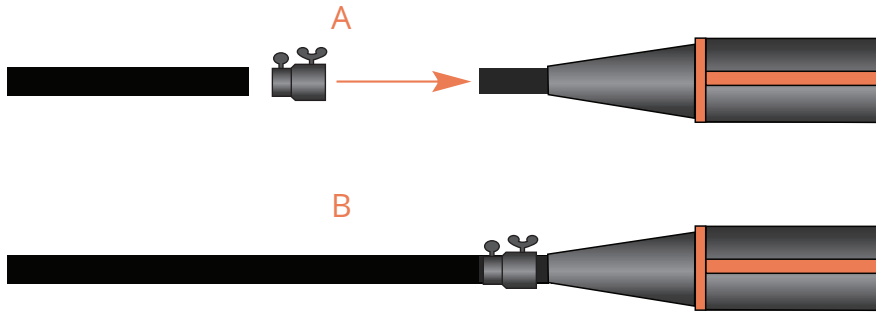
3. Pump the grout into the hole, while retracting the nozzle as pressure is built up.



4. Insert the helical anchor while spinning clockwise into the grout-filled hole.

# ACCESSORIES

## Setting up the Helical Grout-Tie Pinning Nozzle



1. Loosen the locking wing nuts on the nozzle coupler.
2. Place the nozzle tube over the end of the grout gun cone (figure A).
3. Attach the locking wing nut nozzle coupler to the grout gun, affixing the nozzle tube in place (Figure B).

## TECHNICAL SPECIFICATIONS

<b>Material:</b>	AISI Type 304 or 316 Stainless Steel
<b>Stitch-Tie Anchor Diameter:</b>	8mm
<b>Pinning Nozzle Diameter:</b>	1/2" (12.7mm)
<b>Hole Diameter:</b>	5/8"
<b>Anchor Length:</b>	2" less than material being anchored
<b>Drill Depth:</b>	Length of Stitch-Tie + 1"
<b>Bonding Agent:</b>	SureGrout S
<b>SureGrout S consumption:</b>	33 linear feet per 3 liter SureGrout S tub

# RECOMMENDED TOOLING

<b>For drilling:</b>	SDS rotary hammer drill
<b>For mixing SureGrout S:</b>	3-jaw-chuck drill with mixing paddle
<b>For insertion of the Helical Grout-Ties:</b>	PROSOCO Grout gun with pinning nozzle



**SUREGROUT S**  
3900psi, (27.5 Mpa)



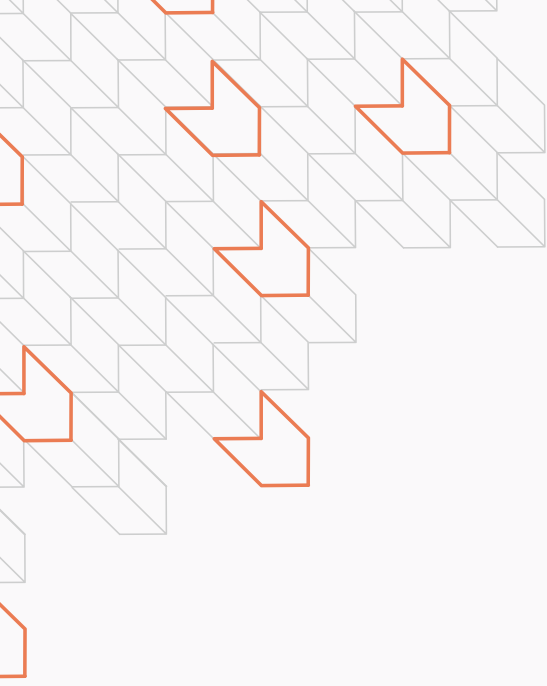
**STITCH-TIE**  
8mm



**GUN AND NOZZLE**



**MIXING PADDLE**



**JOHN**  
Field Support

Our on-site service includes troubleshooting, training and installation support.



**JEFF**  
Engineering Support

Engineering details and personalized solutions for your specific needs.



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We strive to provide the best construction products on the market, but we also know this business is about people. That's why we dedicate our human resources and services to make your job easier. Our nationwide network of sales representatives is here to do whatever we can to help solve your job-site problems.

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We're real live people who answer the phones!  
Really. We're here M-F, 8a-5p, CST.



## **BRIAN** Field Support

We come to you to support your projects  
when and where you need us.





**PROSOCO**



# You. Us. The project.

PROSOCO's nationwide network of field reps and technical advisers from coast to coast are here to help solve your biggest problems, your smallest problems and everything in between.



**Phone support**  
1-800-255-4255



**Job-site support**  
When and where you need it.



**Training**  
Ensure the job's done right.