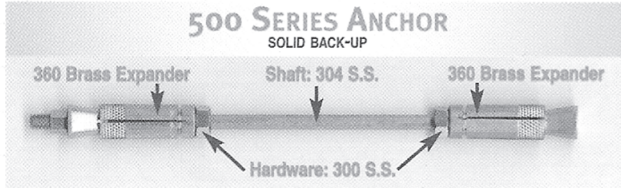


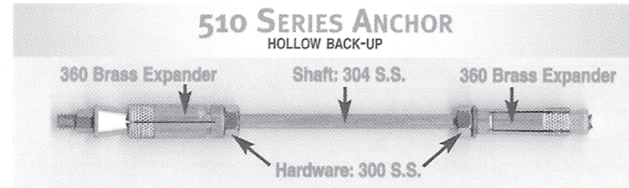
# TORQ-LOK (cont'd)



Catalog #	Shaft #	Shaft L.	Cavity Range
505054	502054	5.5"	0 – 1"
505064	502064	6.5"	0 – 2"
505074	502074	7.5"	0 – 3"
505084	502084	8.5"	0 – 4"
505094	502094	9.5"	0 – 5"

**NOTE**

- Hole in Veneer = 1/2"
- Hole in Back-Up = 1/2"
- Installation Torque:  
Veneer = 50 – 100 in-lbs.  
Back-Up = 50 – 100 in-lbs.



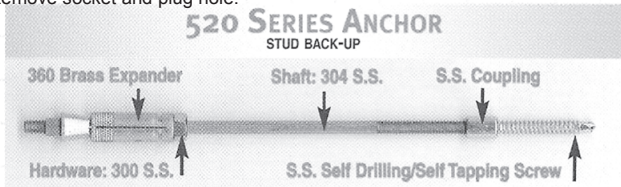
Catalog #	Shaft #	Shaft L.	Cavity Range
505154	502054	5.5"	3/8 – 1 3/8"
505164	502064	6.5"	1 3/8 – 2 3/8"
505174	502074	7.5"	2 3/8 – 3 3/8"
505184	502084	8.5"	3 3/8 – 4 3/8"
505194	502094	9.5"	4 3/8 – 5 3/8"

**NOTE**

- Hole in Veneer = 1/2"
- Hole in Back-Up = 3/8"
- Installation Torque:  
Veneer = 50 – 100 in-lbs.  
Back-Up = 50 – 100 in-lbs.

## Installation Procedure and Criteria for Masonry and Concrete

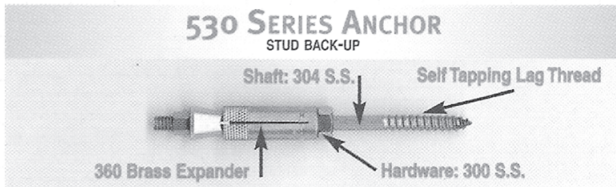
- Select proper anchor length based on wall make-up.
- Drill appropriate hole at mortar joint (preferably "T" location) using a rotary hammer or hammer drill. Rotary only in soft material.
- Drill 1/2" hole through outer wythe of material.
  - For solid back-up, continue 1/2" hole drilling to a 2-2 1/2" depth minimum. (or total depth 1/2" deeper than anchor length)
  - For Hollow Back-up, drill a 3/8" diameter hole through the cavity face of the inner wythe material.
- Blow out excess drill lines.
- Assemble threaded portion of complete anchor assembly to the setting tool. Hex bolt on the setting tool must be fully seated, thread anchor shaft into setting tool until it stops.
- Insert entire assembly into drilled hole until it bottoms in the solid back-up, or until the washer contacts inner cavity face of hollow back-up.
- Rotate tool clockwise and tighten back up anchor 50-100 in-lb, remove setting tool.
- To remove setting tool, loosen bolt head while holding setting tool firmly, spin off by hand.
- Slide socket drive tool over hex segment of setting tool on to the hex nut of the anchor and tighten to 50-100 in-lb.
- Remove socket and plug hole.



Catalog #	Shaft #	Shaft L.	Cavity Range
505244	502044	4.5"	0 – 1"
505254	502054	5.5"	1 – 2"
505264	502064	6.5"	2 – 3"
505274	502074	7.5"	3 – 4"
505284	502084	8.5"	4 – 5"

**NOTE**

- Hole in Veneer = 9/16"
- Stud back-up hole sizes:  
Self Drilled



Catalog #	Shaft #	Shaft L.	Cavity Range
505344	502344	4.5"	0 – 1"
505354	502354	5.5"	1 – 2"
505364	502364	6.5"	2 – 3"
505374	502374	7.5"	3 – 4"
505384	502384	8.5"	4 – 5"

**NOTE**

- Hole in Veneer = 9/16"
- Stud back-up hole sizes:  
Metal Stud: 16 ga = 3/16", 18 ga = 13/64"  
Wood Stud: 2 x 4 = 3/16" (opt), 4 x 4 = 3/16"
- Torque to install:  
Veneer = 50-100 in-lb.  
16 ga = 30-60 in-lb.  
18 ga = 20-40 in-lb.  
Wood stud = 30-50 in-lb.

## Installation Procedure and Criteria for Metal or Wood Stud

- Select proper anchor length based on wall make-up.
- Drill appropriate hole in mortar joint at stud location using a rotary hammer or hammer drill. Rotary only in soft material.
- Drill 9/16" hole through outer wythe of material.
  - For metal stud, a 5/32" pilot hole is needed for 18, 20 and 22 gauge stud, a pilot hole of 3/16" for 16 gauge and greater is required
  - For wood stud back-up, a pilot may not be needed, 3/16" if necessary
- Blow out excess drill lines.
- Assemble threaded portion of complete anchor assembly to the setting tool. Hex bolt on the setting tool must be fully seated, thread anchor shaft into setting tool until it stops.
- Insert entire assembly into drilled hole until the pointed end of the shaft makes contact with the stud, firmly thread by hand in drilled hole back up.
- Rotate tool clockwise and tighten back-up anchor in metal stud 25-50 in-lb.
- To remove setting tool, loosen bolt head while holding setting tool firmly, spin off by hand.
- Slide socket drive tool over hex segment of setting tool on the hex nut of the anchor and tighten to 50-100 in-lb.
- Remove socket and plug hole.

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