



## wej-it®

### Slam-TITE® Hammer-In Chemical Capsules

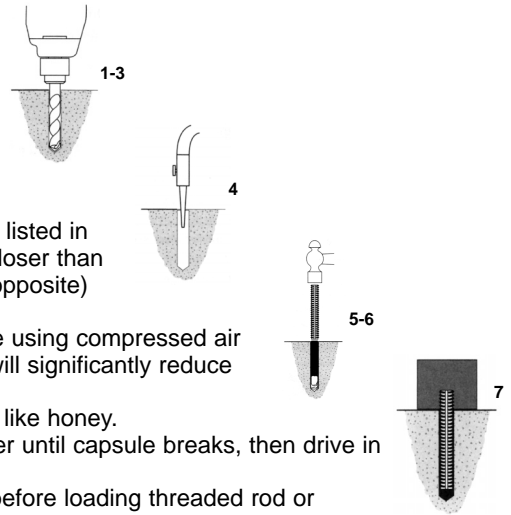
#### Key Features/Benefits



- **Mistake Proof.** 3/8" through 5/8" Capsules can be set either end up. Set larger capsules rounded end down.
- **Color Coded.** Red color prevents using a spin-in chemical anchor by mistake.
- **Economical.** Minimal waste, use only the amount you require.
- **Easy to Install.** No setting tool necessary, just use a hammer to drive in.
- **Reliable.** Works in all types of weather.
- **Clean.** No disposal of excess material necessary.
- **Less Breakage.** Innovative package design.
- **Eliminates Expansion Forces.** Can be used close to a free edge.

#### Installation Instructions

1. Surfaces should be clean and free of grease or oil.
2. Select the proper size drill bit from the Order Information Chart. Drill the hole perpendicular to the work surface.\* To assure full holding power, do not ream the hole or allow the drill to wobble.
3. Drill the hole to the embedment depth listed in the Order Information Chart, but not closer than two anchor diameters to the bottom (opposite) surface of the concrete.
4. Clean Dust From Hole. Clean the hole using compressed air and a nylon brush.\* Dust in the hole will significantly reduce stud pull-out strength.
5. Check the capsule. Resin should flow like honey.
6. Tap rebar or threaded rod with hammer until capsule breaks, then drive in with several sharp hammer blows.†
7. Allow resin to cure for specified time before loading threaded rod or rebar.



\* Always wear safety glasses. Follow the drill manufacturer's safety instructions. Use only solid carbide-tipped drill bits meeting ANSI B94 diameter standards.

† Fumes and contact with skin may be harmful.

#### The Slam-Tite® Hammer-In Capsule

Slam-TITE® provides the convenience of a chemical capsule without the installation headaches. **wej-it** Fastening System's new Slam-TITE® Hammer-In chemical capsules' ease of installation, combined with quick set-up times and excellent holding values, represent a technological breakthrough in the adhesive anchor market. Capsules contain polyester resin and a hardening agent in one easy-to-use glass vial, which when installed is shattered and becomes part of the anchor's aggregate filler.

To install, simply drill a hole in the concrete to the appropriate depth, clean the hole with an air hose or blow out bulb, insert a Slam-TITE® capsule, and drive the threaded road or rebar home with several hammer blows. Once cured, the anchor is ready to use. No mixing, no mess and no measuring!

Slam-TITE® capsules are manufactured in Germany by STAHL GmbH and carefully packaged to minimize breakage. **wej-it** has secured exclusive distribution of the Slam-TITE® capsule in the United States.

#### Storage Recommendations

For maximum shelf life, Slam-TITE® Hammer-In capsules should be stored in the original packaging, in a temperature controlled environment (50-100 degrees Fahrenheit). Shelf life of up to 2 years is possible, but higher than recommended storage temperatures and exposure to UV rays may adversely affect the polyester resin and significantly reduce shelf life. As long as the resin has a honey-like flow (not jelled), the capsule should perform appropriately.

Health	2
Flammable	1
Reactive	0



## wej-it®

### Maximum Tensile Capacities

Slam-TITE® & Threaded Rod:

Mfg. No.	Threaded Rod Diameter (in)	Hole Diameter (in)	Capsules Required	Embedment (in)	Tensile Value in 4000 psi Concrete (lbs)
HMC10-38	3/8	7/16	1	3-1/2	5395
HMC12-12	1/2	9/16	1	4-1/4	8318
HMC16-58	5/8	3/4	1	5-1/2	15287
HMC20-34	3/4	7/8	1	5-3/4	17985
HMC22-78	7/8	1	1	7	22481
HMC24-1	1	1-1/8	1	8-1/4	32372

Slam-TITE® & Reinforced Bar:

Mfg. No.	Rebar Size	Hole Diameter (in)	Capsules Required	Embedment (in)	Tensile Value in 4000 psi Concrete (lbs)
HMC10-38	#3	1/2	1	3-1/2	6295
HMC12-12	#4	5/8	1	4-1/4	9217
HMC16-58	#5	3/4	1	5-1/2	15287
HMC20-34	#6	1	1	5-3/4	17985
HMC22-78	#7	1-1/8	1	7	22481
HMC24-1	#8	1-1/4	1	8-1/4	32372

#### NOTES:

- CAUTION: For ultimate anchorage capacity, use lowest value of anchor capacity, concrete capacity or steel strength.
- Information provided only for use of a qualified design engineer. Use of technical data by persons not qualified could cause serious damage, injury, or even death.
- Ultimate values shown. For static loads, use one-third of the maximum tensile and shear capacities for the recommended 3: 1 safety factor.
- Tensile strength data verified by FMPA at the University of Stuttgart. Available upon request.

### Minimum Cure Times

Temperature (degrees Fahrenheit)	Minimum Cure Time
68 and over	10 minutes
50 to 68	20 minutes
32 to 50	1 hour
23 to 32	5 hours

### Edge Distance And Spacing Requirements

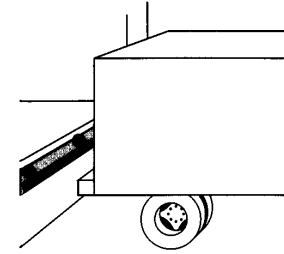
Embedment (E) in Anchor Diameters (d)	Spacing	Edge Distance
E < 6d (shallow)	2.00E	1.00E
6d ≤ E ≤ 8d (standard)	1.50E	1.00E
8d < E (deep)	1.00E	0.75E

### Order Information

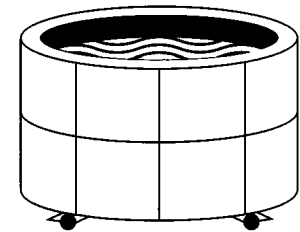
Mfg. No.	Nominal Diameter (in)	Capsule Dimensions	Stud Size (in)	Drill Diameter (in)	Rebar Dimensions	Drill Diameter (in)	Capsule Volume (cubic in)	Embedment Depth (in)	Quantity Capsules/Box
HMC10-38	3/8	7/16 x 3-1/4	3/8	7/16	#3	1/2	0.3	3-1/2	10
HMC12-12	1/2	1/2 x 3-3/4	1/2	9/16	#4	5/8	0.6	4-1/4	10
HMC16-58	5/8	5/8 x 3-3/4	5/8	3/4	#5	3/4	1.1	5-1/2	10
HMC20-34	3/4	27/32 x 4-3/4	3/4	7/8	#6	1	2.0	5-3/4	10
HMC22-78	7/8	27/32 x 7	7/8	1	#7	1-1/8	2.9	7	6
HMC24-1	1	15/16 x 8-1/4	1	1-1/18	#8	1-1/4	4.2	8-1/4	6

Manufactured in Germany exclusively for **wej-it** Fastening Systems by STAHL GmBH.  **STAHL**

### Typical Applications



Dock Bumpers



Wastewater Treatment Plants (Use with 316 Stainless Steel stud assemblies)

### Approvals

#### TYPE

DOT IL, IN, MO, TN, VA