



Key Features/Benefits

- For use in reinforced and unreinforced, non-cracked concrete (3625 psi – 8700 psi)
- Eliminates expansion forces
 - Can be used close to an edge
- “Synthetic mortar” bonds stud assembly to concrete and lightweight and soft masonry substrates
- Minimizes loosening from vibration and shock
- Innovative package design prevents accidental breakage
- Economical – no waste, because it is pre-measured

Health	2
Flammable	1
Reactive	0

Specifications, Listings and Approvals

For use in reinforced and unreinforced, non-cracked concrete (3625 psi – 8700 psi)

State DOT Approvals: Call Customer Service

WARNING: NSTB safety recommendations **prohibit** the use of adhesive anchors in sustained overhead load anchoring applications

Minimum Cure Times

Temperature	Minimum Cure Time
68°F and over	45 minutes
59°F to 68°F	90 minutes
50°F to 59°F	2 hours
41°F to 50°F	2.5 hours
32°F to 41°F	4 hours
23°F to 32°F	8 hours

Order Information

Catalog No.	Nom. Dia. (in.)	Capsule Dims. (in.)	Capsule Volume (cubic in.)	Drill Dia. (in.)	Embed. Depth (in.)	Quantity Capsules / Box	Appropriate Stud Size (in.)
M10-38	3/8	3/8 x 3-3/8	0.3	7/16	3-1/2	10	3/8
M12-12	1/2	1/2 x 3-3/4	0.6	9/16	4-1/4	10	1/2
M16-58	5/8	5/8 x 3-3/4	1.1	3/4	5	10	5/8
M20-34	3/4	3/4 x 4-3/4	2.0	7/8	6-5/8	10	3/4
M22-78	7/8	7/8 x 7	2.9	1	7	6	7/8
M24-1	1	1 x 8-1/4	4.2	1-1/8	8-1/4	6	1
M30-114	1-1/4	1-1/4 x 10-5/8	11.6	1-3/8	11	2	1-1/4

Bevel Cut Stud Assemblies: For Spin-In Capsules ONLY



Carbon Steel ASTM A36	Catalog Number		Dimensions (in.)	Quantity (in.)
	304	316		
CS238	CSS38	CS638	3/8 x 5	50/300
CS212	CSS12	CS612	1/2 x 6-1/4	25/150
CS258	CSS58	CS658	5/8 x 7-1/2	10/60
CS234	CSS34	CS634	3/4 x 9-1/2	10/40
CS278	CSS78	CS678	7/8 x 10-1/4	10/40
CS210	CSS10	•	1 x 11-3/4	5/20
CS2114	•	•	1-1/4 x 14	5/20

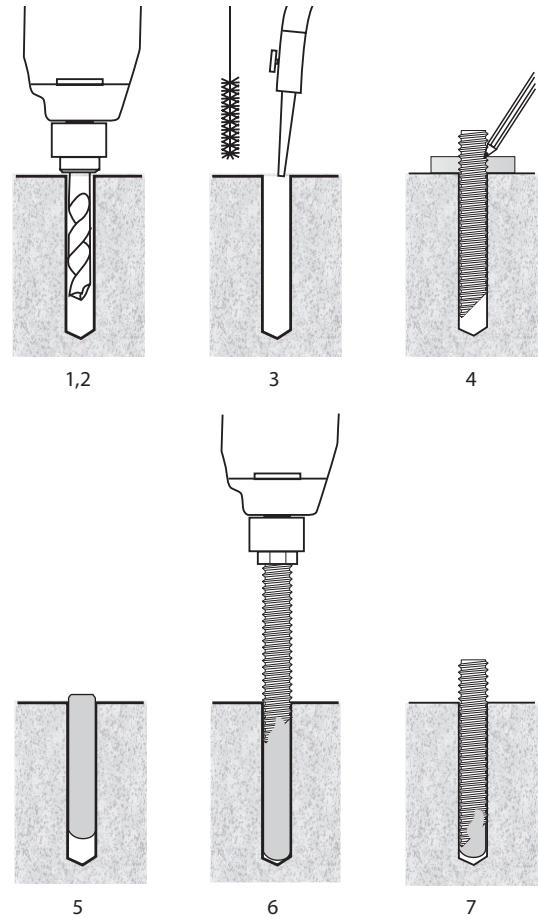
Edge Distance and Spacing Requirements

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

Installation Instructions

1. All surfaces should be clean and free of grease, oil, and moisture. Base materials must be at least 23° Fahrenheit.
2. Select the proper size drill bit from chart below. Drill the hole perpendicular to the work surface: To assure full holding power, do not ream the hole, or allow the hammer drill to wobble. See chart or package for proper hole depth embedment for each specific anchor, but not closer than two anchor diameters to the bottom (opposite) surface of the concrete.
3. Clean the hole using dry, oil-free compressed air and a clean wire brush. Dust and debris left in hole will significantly reduce the holding capacity of the anchor.
4. Insert 45° chamfered stud into hole. Mark stud to indicate hole depth. Remove stud and check for dust accumulation. If dust is found on stud, go back to step 3. Beveled cut stud is needed for proper mixing of components; avoid straight cut studs with Spin-In anchors.
5. Check the capsule (must NOT be damaged). Install capsules rounded end down.
6. Connect the stud assembly on a hammer drill. Break capsule with the 45° chamfered end of stud. Using the hammer drill, drive stud to bottom of hole as indicated by mark on stud. Turn off immediately. **DO NOT continue to spin stud after it has reached its intended embedment!** Release stud and remove the hammer drill.
7. Avoid disturbing the stud. Allow resin to cure for specified time before loading stud.

NOTE: Always wear safety glasses. Follow the drill manufacturer's safety instructions. Use only solid carbide-tipped drill bits meeting ANSI B212.15 diameter standards.
† Fumes and contact with skin may be harmful.



Maximum Tensile Capacity

Catalog Number	Embedment Depth (in.)	Drill Dia. (in.)	Tension Values 4000 psi (lb.)	Shear Values 4000 psi (lb.)
M10-38	3-1/2	7/16	4721	4500
M12-12	4-1/4	9/16	6744	7720
M16-58	5	3/4	10116	12000
M20-34	6-5/8	7/8	18210	17440
M22-78	7	1	22481	23600
M24-1	8-1/4	1-1/8	24954	26000
M30-114	11	1-3/8	40466	48000

NOTES:

- 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 bonds, use one-third of the maximum tensile and shear capacities for the recommended 3:1 safety factor.
- Shear: A-36 rod.

CAUTION: For ultimate anchorage capacity, use lowest value of bond strength, steel strength or concrete capacity.

Storage Requirements

For maximum shelf life, Wej-It® Chemical Capsules should be stored in the original packaging, in a temperature-controlled environment (23-75° F) that is well-ventilated and dry. Shelf life of up to 2 years is possible, but higher-than-recommended storage temperatures and exposure to UV rays may adversely affect the resin and significantly reduce shelf life. The capsules must be physically undamaged and properly stored, or the pull-out values may decrease below the safety limit.