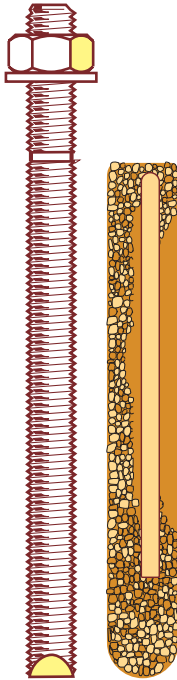


## Chem-Stud®

### Introduction

The Chem-Stud® Anchor System consists of self contained two-part glass capsules and matching chisel pointed anchor rod which is installed using a rotary hammer drill and rod adapters. The Chem-Stud® adhesive is an ester based resin material packaged in single use glass capsules designed for use in the installation of 8mm through 24mm threaded rod in solid concrete and masonry materials. It can also be used for reinforcing bars. During installation, the Chem-Stud® System bonds the threaded rod to the base material so no expansion forces are exerted against the walls of the hole in the base material. This makes it ideal for use in anchoring to solid base materials ranging from soft common brick to hard marble or granite. Unlike expansion anchors, the anchor can be set close to the edge of the base material.



### Chem-Stud capsule

The Chem-Stud® adhesive is packaged in single use glass capsules which have premeasured components. A separate capsule is used for each size of 8mm through 24 mm threaded anchor rod. An outer capsule contains epoxy acrylate resin (vinyl ester) in which quartz aggregate is suspended. The inner capsule contains a benzol peroxide hardening agent. When the components are combined, they form an adhesive mortar which mechanically bonds the anchor rod to solid base material. This type of system must be used with a chisel pointed anchor rod which is spun into it using a rotary hammer drill.

### Chem-Stud chisel pointed anchor rod

The Chem-Stud® System is designed to be used with chisel pointed anchor rods. The threaded rod or reinforcing bar used must have a chisel point to mix the components contained in the capsule during installation.

### Selection guide

#### Chem-Stud® capsule

CAT NO	PART NO	CAPSULE SIZE mm	HOLE Ø mm	CAPSULE LENGTH mm	EMBED DEPTH mm
60-408	KEM8	8	10	80	80
60-410	KEM10	10	12	80	90
60-412	KEM12	12	14	95	110
60-416	KEM16	16	18	95	125
60-420	KEM20	20	24	170	170
60-424	KEM24	24	28	210	210

#### Capsule studs – zinc plated with gold chromate finish

CAT NO	PART NO	SIZE mm	HOLE Ø mm	EMBED DEPTH mm	STD BOX
60-448	STM8110	8 x 110	10	80	10
60-454	STM10130	10 x 130	12	90	10
60-460	STM12160	12 x 160	14	110	10
60-472	STM16190	16 x 190	18	125	10
60-478	STM20260	20 x 260	24	170	5
60-484	STM24300	24 x 300	28	210	5

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