



Ramset™

CHEMSET™ MAXIMA SPIN CAPSULE

| Basic Installation | Studs | High Bond Strength | Fixed Embedment Depth |

Product Description

The Chemset Maxima Spin Capsule chemical anchor system is ideally suited to applications where installation numbers do not warrant an injection cartridge and concrete edge distance and anchor spacing restricts the use of mechanical anchors.

Unlike Injection systems, Chemset Maxima Spin Capsules do not use a "Mixing Nozzle" making them more cost effective when there are time delays between installations that would require a new mixing nozzle to be used.

Available in sizes for use with M12-M24 studs the capsules can be used with Galvansied Stainless Chemset Studs or suitably installed threaded rod with equivalent material properties.



LOW VOC

Installation Features & Benefits

- Very easy to install with 100% success
- Less temperature dependant than other injection systems
- Can be installed in flooded holes
- Fixed volume of capsule means there is no measuring or waste
- More tolerant to poor hole cleaning
- Can be used in thin concrete as setting the anchor will not spall the back face of the concrete

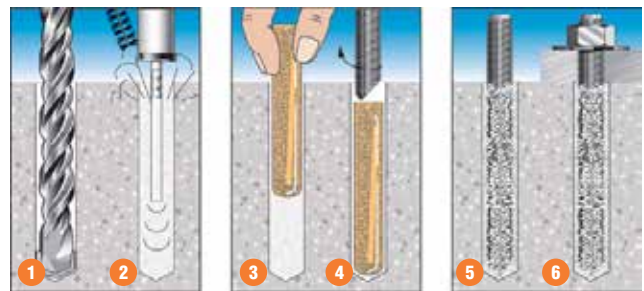
Performance Features & Benefits


- Higher performance alternative to similarly sized Chemical Injection and Mechanical Anchor systems
- Small edge distances and anchor spacing have minimal affect on capacities
- Good bond strength gives high tensile capacity
- Installation Procedure

Principal Applications

- Can be used with Zinc, galvanised or stainless steel studs
- Installations where a very fast cure time is required
- Applications where ease of use is vital
- Small volume applications that don't warrant using a chemical injection system
- Overhead applications

Installation Procedure



1. Drill specified diameter and depth hole.
2. **CLEAN HOLE UNTIL ALL DEBRIS, DUST OR POOLED WATER IS REMOVED USING THE CORRECT CLEANING BRUSH AND BLOWER OR COMPRESSED AIR.** 
3. Insert correct size Spin Capsule into the hole.
4. Immediately drive the Chemset Anchor Stud into the hole using a hammer drill (on rotation) using the appropriate driver accessory.
5. Leave undisturbed while setting.
6. Attach fixture and tighten nut in accordance with recommended tightening torque.

Temperature Limits

Installation	Service
Capsule: 10°C to 30°C	Concrete: -23°C to 60°C
Concrete: -5°C to 35°C	

Setting Times

Substrate Temperature (°C)	-5	5	15	20+
Flowable (mins)	60	45	25	15
Full Cure (hours)	5	1	½	½

Description and Part Numbers

12mm Capsule:	CHEM12
16mm Capsule:	CHEM16
20 & 24mm Capsule:	CHEM2024
Cleaning Brush (10-14 Hole):	HCBT13
Cleaning Brush (18-22 Hole):	HCBT20
Cleaning Brush (22-26 Hole):	HCBT26
Air Blower:	S065990

Independent Appraisal



Tension Zone



Cyclic Loads



Shock Load



Fire Applications



Pull Down



Close Spacings



Water System



Chemical Creep Tested



Zinc Plating



Galvanised Plating





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Performance Information



IF YOUR DIMENSIONS ARE LESS THAN THE TABLED “DIMENSIONS TO ACHIEVE CAPACITIES”
 Refer to **Ramset Specifiers Anchoring Resource Book** for the performance values.
 Or scan QR Code to link to the Specifiers Anchoring Resource Book.



Part Number (Thread Dia)	Installation (mm)			Dimensions to Achieve Capacities (mm)			Tensile Capacity ϕN_{uc} (kN)		
	Fixture Thickness	Hole Depth	Hole Dia (mm)	Min Concrete Thickness	Min Anchor Edge Distance	Min Anchor Spacing	20 MPa Concrete	32 MPa Concrete	40 MPa Concrete
Chem12 (Chemset M12 Stud)	5-30	110	14	135	48	48	23.8	27.4	29.3
Chem16 (Chemset M16 Stud)	5-40	125	18	150	64	64	34.8	40.1	42.9
Chem2024 (Chemset M20 Stud)	5-75	150	24	175	80	80	55.7	64.1	68.6
Chem2024 (Chemset M24 Stud)	5-105	160	26	185	96	96	64.4	74.1	79.3

Stainless Steel



Floor Applications



Wall Applications



Overhead Applications



Dry Holes



Damp Holes



Flooded Holes



Hollow Substrates



Hammer Drill



Cored Holes



Through Fixed



Fully Removable

