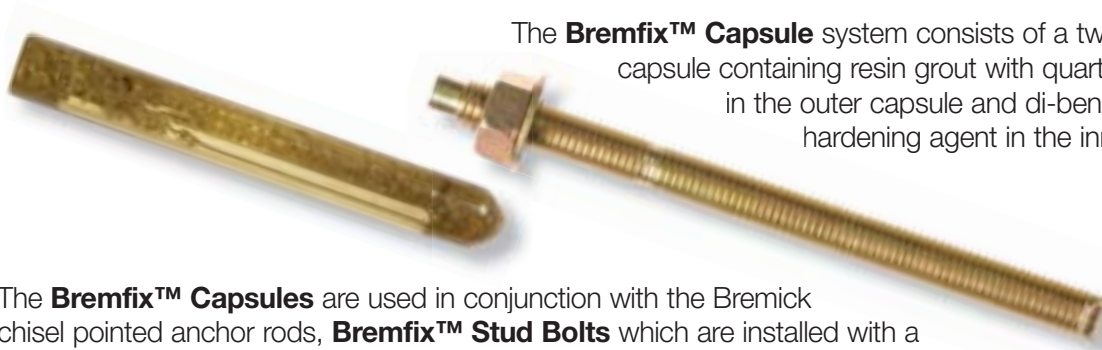




The **Bremfix™ Capsule** system consists of a two part glass capsule containing resin grout with quartz aggregate in the outer capsule and di-benzol peroxide hardening agent in the inner capsule.

The **Bremfix™ Capsules** are used in conjunction with the Bremick chisel pointed anchor rods, **Bremfix™ Stud Bolts** which are installed with a rotary hammer drill and rod adapters. **Bremfix™ Capsules** are used for installing anchor rods from M8 to M24mm into solid concrete and masonry materials.

APPLICATIONS

High quality heavy duty fastening of Stud Bolts into concrete, and solid masonry.

- High load capacity
- Rapid curing
- Accurate mixing
- No expansion forces in base material
- Small spacing and edge distances
- Assured setting depths
- Hex drive on all Stud Bolts
- Depth indicator on stud

ANCILLARY PRODUCTS CLEANING TOOLS

For Brushes and Blow Pumps please refer to the Chemical Injection System section of this book.

SUGGESTED SPECIFICATION

Bremfix™ Adhesive Capsule System

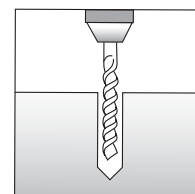
The bonded anchor used shall be Bremfix adhesive capsules and Bremfix™ chisel cut anchor rods. The capsule shall be a clear glass ampule containing epoxy acrylate resin, hardener and quartz aggregate.

Installation shall be in accordance with the manufactures recommendations and all capsules and anchor rods shall be sourced from Bremick Pty Ltd.

SETTING INSTRUCTIONS

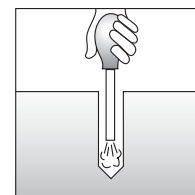
1: Drill

To specified depth and diameter.



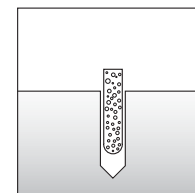
2: Clean

Brush and blow debris from drilled hole.



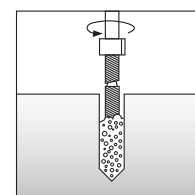
3: Insert

Insert capsule into drill hole.



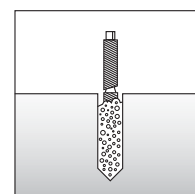
4: Mix Capsule

Using adapter and rotary hammer drive rod through capsule to embedment depth.



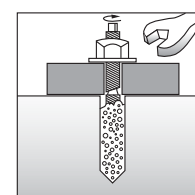
5: Cure

Allow adhesive to cure with no disturbance of the fastener. (Gel & cure time chart refers)



6: Fix

Mount fixture and tighten to specified torque.



SPIN CAPSULE



Size (mm)	Hole/Drill Diameter (mm)	Suit Stud Diameter (mm)	Min Hole Depth (mm)	Max Fast. Thickness (mm)	Std Pack	Product Code
8	10	M8	80	22	10	ACCMPO80002
10	12	M10	90	30	10	ACCMPO100002
12	14	M12	110	35	10	ACCMPO120002
16	18	M16	125	50	10	ACCMPO160002
20	22	M20	170	70	6	ACCMPO200002
24	26	M24	210	65	6	ACCMPO240002

CHEMICAL STUD BOLT

EXTERNAL HEXAGONAL HEAD CHISEL POINT WITH NUT, WASHER AND DRIVE SOCKET - ZINC PLATED



AS1789

PROPERTY CLASS 5.8

Hole/Drill Diameter (mm)	Stud Diameter (mm)	Stud Length (mm)	Min Hole Depth (mm)	Max Fast. Thickness (mm)	Std Pack	Product Code
10	M8	110	80	22	10	ACSMZ081102
12	M10	130	90	30	10	ACSMZ101302
14	M12	160	110	35	50	ACSMZ12160B
14	M12	160	110	35	10	ACSMZ121602
18	M16	190	125	50	10	ACSMZ161902
22	M20	260	170	70	5	ACSMZ202602
26	M24	300	210	65	5	ACSMZ243002

*Includes nut & washer



EXTERNAL HEXAGONAL HEAD CHISEL POINT WITH NUT, WASHER AND DRIVE SOCKET - GALVANISED

PROPERTY CLASS 5.8

AS1789

Hole/Drill Diameter (mm)	Stud Diameter (mm)	Stud Length (mm)	Min Hole Depth (mm)	Max Fast. Thickness (mm)	Std Pack (mm)	Product Code
10	M8	110	80	22	10	ACSMG081102
12	M10	130	90	30	10	ACSMG101302
14	M12	160	110	35	10	ACSMG121602
18	M16	190	125	50	10	ACSMG161902
22	M20	260	170	70	5	ACSMG202602
26	M24	300	210	65	5	ACSMG243002

*Includes nut & washer



EXTERNAL HEXAGONAL HEAD CHISEL POINT WITH NUT, WASHER AND DRIVE SOCKET -316 STAINLESS STEEL

Hole/Drill Diameter (mm)	Stud Diameter (mm)	Stud Length (mm)	Min Hole Depth (mm)	Max Fast. Thickness (mm)	Std Pack (mm)	Product Code
12	M10	130	90	30	10	ACSM6101302
14	M12	160	110	35	10	ACSM6121602
18	M16	190	125	50	10	ACSM6161902
22	M20	260	170	70	5	ACSM6202602
26	M24	300	210	65	5	ACSM6243002

*Includes nut & washer

GEL TIMES AND SETTING TIMES

Temp. °C	WET HOLE Minimum time before loading (min)	DRY HOLE Minimum time before loading (min)
-5	600	300
0	600	300
5	120	60
10	120	60
20	40	20
30	20	10
35	20	10



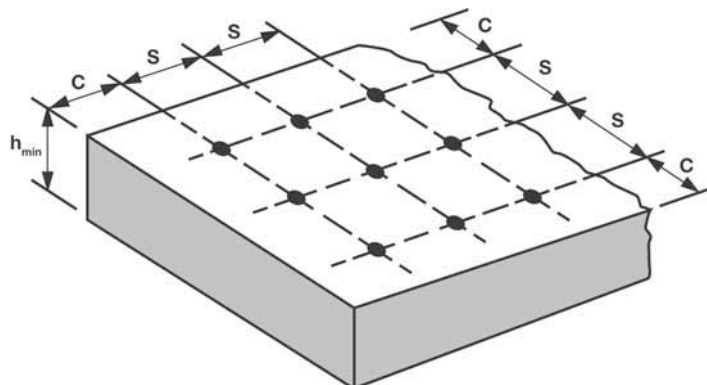
Full cure is achieved in 24 hours

BREMIFIX™ CHISEL POINTED STUD BOLTS ZINC PLATED, GALVANISED AND 316 STAINLESS STEEL



INSTALLATION DETAILS

FASTENER DETAILS			INSTALLATION DETAILS									
Anchor/ Drill Diameter	Thread Size	Anchor Length	Effective Embedment Depth	Characteristic Anchor Spacing (Tension & Shear)	Characteristic Edge Distance (Tension & Shear)	Minimum Anchor Spacing (Tension & Shear)	Minimum Edge Distance (Tension & Shear)	Minimum Base Material Thickness	Maximum Fixture Thickness	Clearance Hole Diameter (Fixture)	Installation Torque (Concrete)	Width Across Flats
D _o (mm)	D (mm)	L (mm)	h _t (mm)	S _{cr} (mm)	C _{cr} (mm)	S _{min} (mm)	C _{min} (mm)	h _{min} (mm)	t _{fix} (mm)	D _c (mm)	T _{inst} (Nm)	SW (mm)
10	M8	110	80	240	120	40	40	100	22	12	10	13
12	M10	130	90	180	90	45	45	120	30	14	20	16
14	M12	160	110	220	110	55	55	140	35	16	40	18
18	M16	190	125	250	125	65	65	160	50	50	80	24
22	M20	260	170	340	170	85	85	220	70	27	120	30
26	M24	300	210	420	210	105	105	280	65	30	180	36



Notation, Spacing, Edge Distance & Base Material Thickness

PERFORMANCE DATA - CONCRETE (RECOMMENDED LOADS)

INSTALLATION DETAILS			RECOMMENDED LOADS IN CONCRETE (N _{rec,c} / V _{rec,c})									
Hole/ Drill Diameter	Major Thread Diameter	Embedment Depth	25MPa Concrete (f _c)		32MPa Concrete (f _c)		40MPa Concrete (f _c)		50MPa Concrete (f _c)		65MPa Concrete (f _c)	
(mm)	(mm)	(mm)	Tension (N _{rec,c}) KN	Shear (V _{rec,c}) KN	Tension (N _{rec,c}) KN	Shear (V _{rec,c}) KN	Tension (N _{rec,c}) KN	Shear (V _{rec,c}) KN	Tension (N _{rec,c}) KN	Shear (V _{rec,c}) KN	Tension (N _{rec,c}) KN	Shear (V _{rec,c}) KN
10	M8	80	5.1	3.9	5.3	4.1	5.6	4.3	5.8	4.5	6.3	4.9
12	M10	90	7.7	6.2	8.0	6.5	8.3	6.8	8.7	7.1	9.5	7.7
14	M12	110	10.2	9.0	10.6	9.4	11.1	9.8	11.6	10.3	12.6	11.2
18	M16	125	12.8	16.8	13.3	17.5	13.9	18.3	14.5	19.2	15.8	20.9
25	M20	170	19.1	26.3	19.9	27.4	20.8	28.7	21.8	30.0	23.7	32.7
28	M24	210	23.0	37.8	23.9	39.3	25.0	41.2	26.2	43.1	28.5	46.9

All above Values are Design Values for anchors installed in concrete with anchors installed at characteristic embedment depths, as shown.
Recommended Loads have been derived with a Safety factor of 4.
All Shear Values are Single Shear.

For further performance data, including Characteristic, Working Stress, Limit State Design Values and design data please refer to our Web Site www.bremick.com.au