

Key Features

- Grade 5.8 Carbon Steel
- 42um Hot Dip Galvanised
- AISI 316 Stainless Steel

Materials



Zn
Electroplated



GAL
Galvanised



A4
316
Stainless
Steel 316



5.8
Carbon Steel

ChemSet™ Anchor Studs are made from Grade 5.8 carbon steel to get the most out of adhesive tensile capacities and provide higher shear capacities than regular Grade 4.6 grade studs. Galvanising of ChemSet Anchor Studs meets Australian Standards. Stainless Steel ChemSet™ Anchor Studs are high corrosion resistant AISI 316 (A4). External hex drive avoids jamming common with hex bar driven studs. External hex does not collect rainwater leading to accelerated corrosion in internal hex drive.

Advantages

- High Performance Grade 5.8 Carbon Steel
- Hot dip galvanised to AS1650 and AS1214
- Hot dip galvanised to 42 micron for exterior applications
- High Performance AISI316 Stainless Steel for Coastal Applications
- Pre-cut to standard chemical anchoring lengths
- Supplied with nuts and washers
- Depth set mark to ensure correct embedment
- Reliable external hex drive for installing capsules
- Ramset™ Quality

ChemSet™ Anchor Studs					
Thread Size	Description	Zn ZINC Electroplated	GAL Galvanised	A4 316 Stainless Steel 316	Box Quantity
M8	ChemSet™ Anchor Stud M8 x 110 Zinc	CS08110	CS08110GH	CS08110SS	10
M10	ChemSet™ Anchor Stud M10 x 130 Zinc	CS10130	CS10130GH	CS10130SS	10
M12	ChemSet™ Anchor Stud M12 x 160 Zinc	CS12160	CS12160GH	CS12160SS	10
M12	ChemSet™ Anchor Stud M12 x 180 Zinc	CS12180			10
M16	ChemSet™ Anchor Stud M16 x 190 Zinc	CS16190	CS16190GH	CS16190SS	10
M20	ChemSet™ Anchor Stud M20 x 260 Zinc	CS20260	CS20260GH	CS20260SS	6
M24	ChemSet™ Anchor Stud M24 x 300 Zinc	CS24300	CS24300GH	CS24300SS	6

AU
ONLY

Other sizes and steel types available on request. (Maybe subject to lead time)

ChemSet™ Anchor Studs - Typical Properties								
See working loads of each anchoring adhesive in previous pages								
Thread Size	Overall Length, L (mm)	Effective Length, L _e (mm)	Max Fixture Thickness, t (mm)	Yield Strength, f _y (MPa)	Carbon Steel UTS, f _u (MPa)	Yield Strength, f _y (MPa)	Stainless Steel UTS, f _u (MPa)	Section Modulus, Z (mm ³)
M8	110	95	15	430	540	450	650	31.2
M10	130	115	25	430	540	450	650	62.3
M12	160	140	30	430	540	450	650	109.2
M12	180	160	50	430	540	450	650	109.2
M16	190	165	40	420	520	450	650	277.5
M20	260	225	80	420	520	450	650	540.9
M24	300	265	105	420	520	450	650	935.5

Key Features

- Internal Thread
- Flush fitting
- Temporary and permanent fixings

Materials



ZINC
Electroplated



Stainless
Steel 316

Internally threaded steel inserts are for use with Epcon C8, Epcon C6EF, ChemSet™ Reo502™ and StructaSet™ 401 adhesives. Available in zinc plated carbon steel or high corrosion resistant AISI 316 (A4). Ideal for applications where a bolt finish is required.

Typical Properties

Steel Grades

500 MPa Carbon Steel
AISI 316 (A4) Stainless Steel

Advantages

- Flush with concrete surface
- Variable bolt head finish options
- Bolt is removable
- No trip hazard
- Shallow embedment

Threaded Inserts

Thread Size	Description	Drilling Dimensions		 ZINC Electroplated	 A4 316 Stainless Steel 316	Box Quantity
		Diameter (mm)	Depth (mm)			
M8	Threaded Insert M8 x 60	14	65	062770	062860	10
M10	Threaded Insert M10 x 65	20	70	062480	062960	10
M12	Threaded Insert M12 x 75	24	80	062760	063100	10
M16	Threaded Insert M16 x 125	28	130	062800	051175	10
M20	Threaded Insert M20 x 170	35	175	062810	-	10

ChemSet™ Anchor Related Items

RE0502EF600	RE0502J600	C8-450	S401J	S401C	C6EF- 600
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Typical Properties

Thread Size	Overall Length, L (mm)	Effective Length, L _e (mm)	Thread Length, L ₂ (mm)	Carbon Steel		Stainless Steel	
				Tensile Yield Strength, f _y (MPa)	UTS, f _u (MPa)	Yield Strength, f _y (MPa)	UTS, f _u (MPa)
M8	60	60	25	420	520	350	650
M10	65	65	32	420	520	350	650
M12	75	75	38	420	520	350	650
M16	125	125	50	420	520	-	-
M20	170	170	63	420	520	-	-

Installation details refer to Technical Data Sheet and Product Packaging.