

## Spin In Capsules & Studs

### Sleeve Anchor Hex. Bolt Zinc Plated

Product group: **0868**

Epoxy Acrylate Resin in a Glass Capsule.  
Zinc Plated Studs.  
Hot Dipped Galvanised Studs.  
Stainless Steel Studs.  
Suitable for use In concrete over 20N/mm.



Grade A2 - 304 Stainless Steel Stud



Hot Dipped Galvanised Stud



Zinc Plated Stud



Epoxy Acrylate Resin in a Glass Capsule

		M8	M10	M12	M16	M20	M24	M30
Thread Diameter	mm	8	10	12	16	20	24	30
Drill Hole Diameter	mm	10	12	14	18	25	28	35
Clearance Hole Diameter	mm	9	12	14	18	22	28	34
Min Hole Depth	mm	80	90	110	125	170	210	280
Minimum Embedment Depth	mm	80	90	110	125	170	210	280
Ultimate Tensile Load 5.8 Stud	kN	18	29	42	78	122	176	280
Ultimate Tensile Load 8.8 Stud	kN	29	46	67	125	196	282	448
Ultimate Tensile Load A2/A4	kN	23	31	44	64	120	166	277
Bond Strength (9 N/mm)	kN	23	31	44	64	106	166	277
Concrete Strength (30N/mm)	kN	30	38	56	73	135	205	365
Recommended Tensile Load	kN	6	9	12	18	31	44	73
Recommended Shear Load	kN	4.1	6.6	9.7	19.1	28.8	41.7	70
Minimum Spacing	mm	120	140	165	190	260	320	420
Minimum Edge Distance	mm	100	110	135	155	210	260	350

Loads are for 30 N/mm concrete

The Spin In Capsule system is a high performance resin anchor designed for use in concrete. It provides an expansion free anchorage which can be used at close spacing and edge distances. Capsules can be installed in Rotary Percussion or Diamond Drilled Holes.

## Spin In Capsules & Studs

### Potential Applications:

Holding down bolts for Machinery  
 Lift Guide Rails  
 Cladding Restraints  
 Curtain Walling  
 Safety Fences  
 Structural steel columns and beams  
 Brickwork Support angles

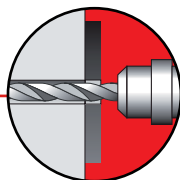
### Substrate - Concrete

#### Range Table

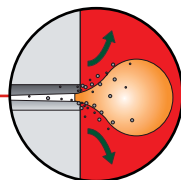
Thread Diameter	M8	M10	M12	M16	M20	M24	M30
Stud Length	110	130	160	190	260	300	380
Max Fixture Thickness	18	25	34	45	55	55	70
Nut A/F	13	17	19	24	30	36	46
Washer Diameter	17	21	24	30	37	44	56

### Cure Times

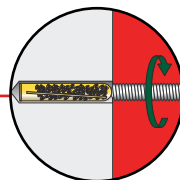
Temperature Of Concrete	Mins	
	Dry Loading Time	Wet Loading Time
>20	10	20
10-20	20	40
0-10	60	120
-5-0	300	



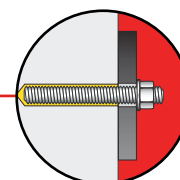
Drill your hole to the correct diameter...



...clear any debris...



...insert capsule and spin in the stud...



...allow the recommended cure time