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CONSTRUCTION FIXINGS AND TOOLS

V.J. Technology

V.J. Technology is a leading distributor of fixing products to the construction industry, and as such is in a strong position to supply fit-for-purpose anchor systems to the scaffolding sector. VJT stock a vast range of fastenings and construction consumables giving the customer a true “one-stop-shop” facility. Our range is constantly evolving as new products and technologies come on stream and where appropriate, and required by the CPR, we can offer CE Mark products either via ETA or hEN. All VJT products are sourced from a mix of leading global companies and specialist suppliers.



Quality and Accreditation:

- ISO 9001:2008
- ISO 14001:2004
- BSI-OHAS 18001:2007
- UKAS: 7903

Services:

- Technical support: Product and application advice
- Product testing: Suitability and proof testing on site
- Tool box talks: Anchor installation / abrasive wheels

Scaffold Brochure

This product leaflet should be read in conjunction with the Guidance Note: **NASC TG4:11 "Anchorage Systems for Scaffolding"** and **NASC TG20 "Guide to Good Practice for Scaffolding with Tube and Fittings"**.

Anchor selection

Not all anchors are suitable for use in all base materials. What follows is a suggested short list for fixing systems suitable for specific base materials and substrates. The final selection will depend on the load requirement and preliminary, or suitability, tests:

Concrete:

- Drop In anchor (Concrete only. Not for other masonry substrates)
- Self-tapping concrete screws (screwbolts)
- Resin anchors
- Nylon anchors with screw eyes

Brickwork & Stonework:

- Self-tapping concrete screws (screwbolts)
- Resin anchors
- Nylon anchors with screw eyes

Concrete Blockwork:

Check block strength, structure and presence of voids

- Self-tapping concrete screws (screwbolts)
- Resin anchors (with mesh sieves in slotted blocks)
- Nylon anchors with screw eyes

Lightweight Blockwork:

Check block strength, structure and presence of voids

- Resin anchors (with mesh sieves in slotted blocks)
- Nylon anchors with screw eyes

Timber:

- Coach screws
- Screw eyes

Steel:

- Self-drill self-tap screws ('Tek's' type screws)
- Bolts for hollow sections (Blind Bolt or Lindapter Hollo bolt)

Anchor installation

All anchors should be installed strictly in accordance with the manufactures recommendations.

- Correct hole diameter
- Holes should be free of dust and debris – brush and pump (most important for resin anchors)
- Correct setting tools must be used (especially for Drop in anchors)
- Tighten to the recommended torque according to manufacturers data

Anchor positioning

All anchors should be installed with the manufactures recommendations for edge and axial spacing.

Anchor positioning in brickwork needs additional consideration: **NASC TG4:11 Section 5.3** has guidance for the positioning of fixings in brick walls which should be observed.

The Building Structure

The suitability of the building structure to sustain the loads transferred from the scaffold must always be checked by the designer.

Site tests

See NASC TG4:11 Section 6

Site tests can be required for two specific purposes:

- Preliminary tests: These tests are used to check the suitability of a particular fixing in the base material to help determine allowable loads.
- Proof tests: These tests are required to check the quality of installation, and should be carried out on all projects.
- Site tests should be carried out by competent personnel using a suitable calibrated test meter.

VJT can undertake site testing on request. VJT hold UKAS Accreditation for Laboratory and Site testing and are also members of the CFA Approved Testers Scheme.





VJT Code	Description	Size	Embedment (mm)	Drill Hole Diameter (mm)	Spanner / Drive AF (mm)
02870170	APT 10 x 100 Concrete Screw	10 x 100	50 to 75mm	10	17mm
02870180	APT 10 x 130 Concrete Screw	10 x 130	50 to 75mm	10	17mm
02870190	APT 10 x 150 Concrete Screw	10 x 150	50 to 75mm	10	17mm
02870210	APT 12 x 100 Concrete Screw	12 x 100	60 to 90mm	12	19mm
02870220	APT 12 x 130 Concrete Screw	12 x 130	60 to 90mm	12	19mm
02870230	APT 12 x 150 Concrete Screw	12 x 150	60 to 90mm	12	19mm
02800330	APT HSB 12mm Washer				

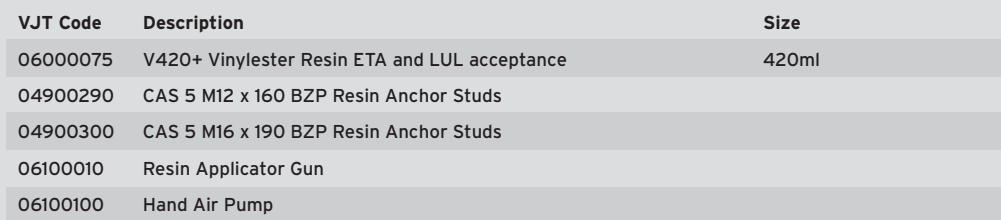
VJT Code	Description	Size	Embedment (mm)	Drill Hole Diameter (mm)	Spanner / Drive AF (mm)
02800260	Screwbolt Stud M12. 10 x 120/M12: M12 External Metric Thread	10 x 120	85	10	9mm
02800290	Screwbolt Stud M16. 14 x 165/M16: M16 External Metric Thread	16 x 165	125	14	12mm
17500080	Stud Connector for TSM B10 x 120/M12	M12 - M16			
17500050	Stud Connector for TSM B14 x 165/M16	M16			
02600010	Standard M16 Scaffold Ring Bolt	M16			

VJT Code	Description	Size	Embedment (mm)	Drill Hole Diameter (mm)	Internal Thread depth (mm)
02100070	M16 Drop in Anchor for Concrete	M16	65	20	22
02100040	M12 Drop in Anchor for Concrete	M12	50	15	18
02300050	M16 Setting Punch				
02300040	M12 Setting Punch				
02600010	Standard M16 Scaffold Ring Bolt	M16			

VJT Code	Description	Size	Embedment (mm)	Drill Hole Diameter (mm)	Internal Eye Diameter (mm)
02500010	12 x 90 Screw Eye	12 x 90			23
02500020	12 x 120 Screw Eye	12 x 120			23
02500030	12 x 160 Screw Eye	12 x 160			23
02500050	12 x 230 Screw Eye	12 x 230			23
02500060	12 x 300 Screw Eye	12 x 300			23
02500070	12 x 350 Screw Eye	12 x 350			23
02500080	14 x 75 Nylon Plug for Screw Eye	14 x 75	75	14	

VJT Code	Description	Size	Thread Length (mm)	Stud Length (mm)	Internal Eye Diameter (mm)
23400330	M12 DIN 582 Self Colour Eynut SWL in tension 3.4kN	M12	11		30
23400340	M16 DIN 582 Self Colour Eynut SWL in tension 7.0kN	M16	13		35
23400250	M12 DIN 580 Self Colour Eyebolt SWL in tension 3.4kN	M12		22	30
23400340	M16 DIN 580 Self Colour Eyebolt SWL in tension 7.0kN	M16		28	35

VJT Code	Description	Size
02700190	External Hook Scaffold Tie Coupler Fitting (EN74)	16mm dia hook
02700195	Internal Hook Scaffold Tie Coupler Fitting (EN74)	16mm dia hook
02700200	Bracket for Hook: Fix to steel and cladding	



VJT Code	Description	Size	Embedment (mm)	Drill Hole Diameter (mm)	Spanner / Drive AF (mm)
02700010	One Hole plate: 19mm Hole				
02700020	Two Hole plate: 19mm Hole and 19mm x 27mm slot				
02870210	APT Screw bolt: 12 x 100	12 x 100	60 to 90mm	12	19mm
02800330	APT HSB 12mm Washer				
04300120	M12 Rawlbolt: 12/25L	12mm	75mm	20mm	19mm

VJT Code	Description	Size	Drill Hole Diameter (mm)	Fixing thickness (mm)
24300040	M12 Blind Bolt: Fixing to hollow section steel	M12	13	12 to 35
24300050	M16 Blind Bolt: Fixing to hollow section steel	M16	17	13 to 45
17500080	Stud Connector for M12 - M16	M12 - M16		
17500050	Stud Connector for M16	M16		
02600010	Standard Scaffold Ring Bolt	M16		

VJT Code	Description	Size	Steel Thickness (mm)	Head type
13650090	Ejot HS 5.5 x 38: Fixing to 4.0mm - 10.0mm steel	5.5 x 38	4 to 10	Hex 5/16
13600180	ASF 24 5.5 x 38: Fixing to 5.0mm - 12.0mm steel	5.5 x 38	5 to 12	Hex 5/16
13601250	TSHW 5.5 x 50: Fixing to 3.5mm - 18.0mm steel	5.5 x 50	3.5 to 18	Hex 5/16

Please contact us if you can't find what you are looking for or to request a copy of our full catalogue of products. All products can be found on the website at www.vjtechnology.com



VJT Code	Description
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02700220	M16 self colour washer: 60mm Diameter x 10mm thick
15600090	M16 self colour square plate 100 x 100 x 10

VJT Code	Description	Size	Spanner / Drive AF (mm)
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14800640	M12 x 40 BZP Hex Set: grade 8.8	12 x 40	19mm
14800650	M12 x 45 BZP Hex Set: grade 8.8	12 x 45	19mm
14800780	M16 x 40 BZP Hex Set: grade 8.8	16 x 40	24mm
14800790	M16 x 45 BZP Hex Set: grade 8.8	16 x 45	24mm
Hex sets: Other sizes, diameters and finishes available.			

VJT Code	Description	Size
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17100050	M12 x 3000 grade 4.6 BZP Studding	M12
17100060	M16 x 3000 grade 4.6 BZP Studding	M16
Other Sizes, Diameters and finishes available.		
17500040	Stud connector for M12	M12
17500050	Stud connector for M16	M16
17500080	Stud connector for M12 - M16	M12 - M16

VJT Code	Description
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02700110	Scaffold Tube Cap (Yellow)
02700120	Scaffold Bolt Cap (Yellow)
02500130	Scaffold Plug Cover for 14mm Nylon Plug (white)
02500140	Scaffold Plug Cover for 14mm Nylon Plug (grey)

VJT Code	Description
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02700030	Scaffold Tag with 2 inserts
02700035	Scaffold Tag Inserts
02700040	Pen
24400030	Cable Tie: 4.8 x 200 black
02700060	Ladder Tags
02700070	Ladder Tag inserts

VJT Code	Description
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02700090	Hoarding Clip: Heavy Duty
02700100	Hoarding Clip: Light Duty
02700140	Poly Rope: 6mm x 220m
02700145	Poly Rope: 10mm x 220m
02700130	Tarpaulin: 3.6m x 3.4m
02700140	Tarpaulin: 4.5m x 9.0m
02700160	Ratchet Strap: 25mm x 5m
02700150	Scaffold Spanner: 7/16"

VJT Code	Description
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23600040	Banding: 19mm Steel (2 reel pack) BS EN 13246:2001
23600050	Banding Seals
23600060	Sealing Tool
23600070	Tensioner
23600080	19mm Poly (19mm x 600m woven poly)
23600090	Poly Buckles
23600100	Poly Tensioner



VJT Code	Description	Size (mm)	Effective Depth (mm)
09320380	VJT Endurance 10mm x 160	10 x 160	100
09320490	VJT Endurance 12mm x 160	12 x 160	100
09320630	VJT Endurance 14mm x 210	14 x 210	150
09320770	VJT Endurance 16mm x 210	16 x 210	150
09320850	VJT Endurance 18mm x 210	18 x 210	150
09320930	VJT Endurance 20mm x 210	20 x 210	150

VJT Code	Description	Size (mm)	Bore (mm)
10300110	Recip Blade: S922BF: For cutting tube	150	
10300240	Recip Blade: S3456XF: For cutting board	200	
10300320	Recip Blade: S1617K: For cutting board	300	
10300190	Recip Blade: S922HF: Universal	150	
25600028	Evolution Cold Cut Blade 14" / 355mm	14" / 355mm	25.4
21000060	305 x 3.2 x 20 Steel Cutting Abrasive Wheel: Petrol Cutter	305 (12")	20
21000080	356 x 2.8 x 25 Steel Cutting Abrasive Wheel: Chop Saw	356 (14")	25
10900190	30mm Galvanised Clout Nail for edge trim repairs (25kg)	30mm	

VJT Code	Description	Size (mm)
24400030	Cable Tie: Black	4.8 x 200
24400040	Cable Tie: Black	4.8 x 300
24400050	Cable Tie: Black	7.6 x 450

VJT Code	Description	Size (mm)
24870080	Gloves: VJT Matrix	(Size 10)
24880020	Gloves: VJT Orange Grip	(Size 10)
24880060	Gloves: VJT Cut level 5	(Size 10)
SCAGLOKSTHER	Thermal Glove	

VJT Code	Description
24800150	Dust Mask: P1 FFP1 3M (Pack 10)
24800155	Dust Mask: P2 FFP2 Moldex (Pack 20)
24800166	Dust Mask: P3 FFP3 Moldex (Pack 20)
24800105	Eye Protection: Warrior Eshield
07500050	Eye Protection: Goggles
24800110	Ear Defenders: Over Ear
24800120	Ear Defenders: Ear Plugs (Pack 200)

VJT Code	Description
24800700	Single Tool Lanyard 42" - 54"
24800710	Single Tool Lanyard 35" - 42"
24800130	First Aid Kit (20 person kit)

VJT Code	Description
25000110	Extension Lead: 1.5mm 16A 14m loose roll
25000130	Extension Lead: 110V 25m cable reel
25000150	Extension Lead: 110V 50m cable reel
	Other electrical assessories available.

Environment and Waste

We are committed to developing and promoting high environmental standards in all areas of our business, with a focus on reducing waste, increasing efficiency and continuously improving our working practices. We are certified to ISO 14001: 2004 and operate robust environmental management systems.

Health and Safety

We are committed to the health and safety of all our employees, customers and suppliers. All staff undergo training and every employee is issued with health and safety manuals on joining the business.

Our entire technical sales team is qualified to instruct in the correct use of abrasives and powder actuated tools, as well as deliver tool box talks on HAVS.

We are also certified to BSI-OHSAS 18001: 2007 and operate rigorous health and safety management systems.

Quality Assurance

We are committed to providing a quality of service that consistently meets, or exceeds, our customer's needs. To help achieve this objective we have a Quality Management System certified to ISO 9001: 2008, and regular reviews are carried out in our quest for continual improvement.

Insurance

V.J. Technology carries insurance for Employers Liability (£25m any one occurrence), Public Liability (£15m any one occurrence) and Product Liability (£15m any one period).



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Address

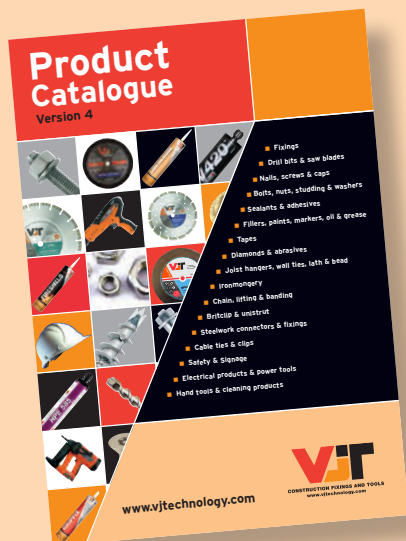
Technology House
Brunswick Road
Ashford
Kent TN23 1EN

Telephone

Switchboard: 01233 637695
Sales: 01233 652550
Technical: 01233 652520
Accounts: 01233 652530
Credit control: 01233 652540

Fax

Purchasing: 01233 652599
Sales: 01233 664361
Accounts: 01233 613127
Credit control: 01233 646130
Email: enquiries@vjtechnology.com
Web site: www.vjtechnology.com



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