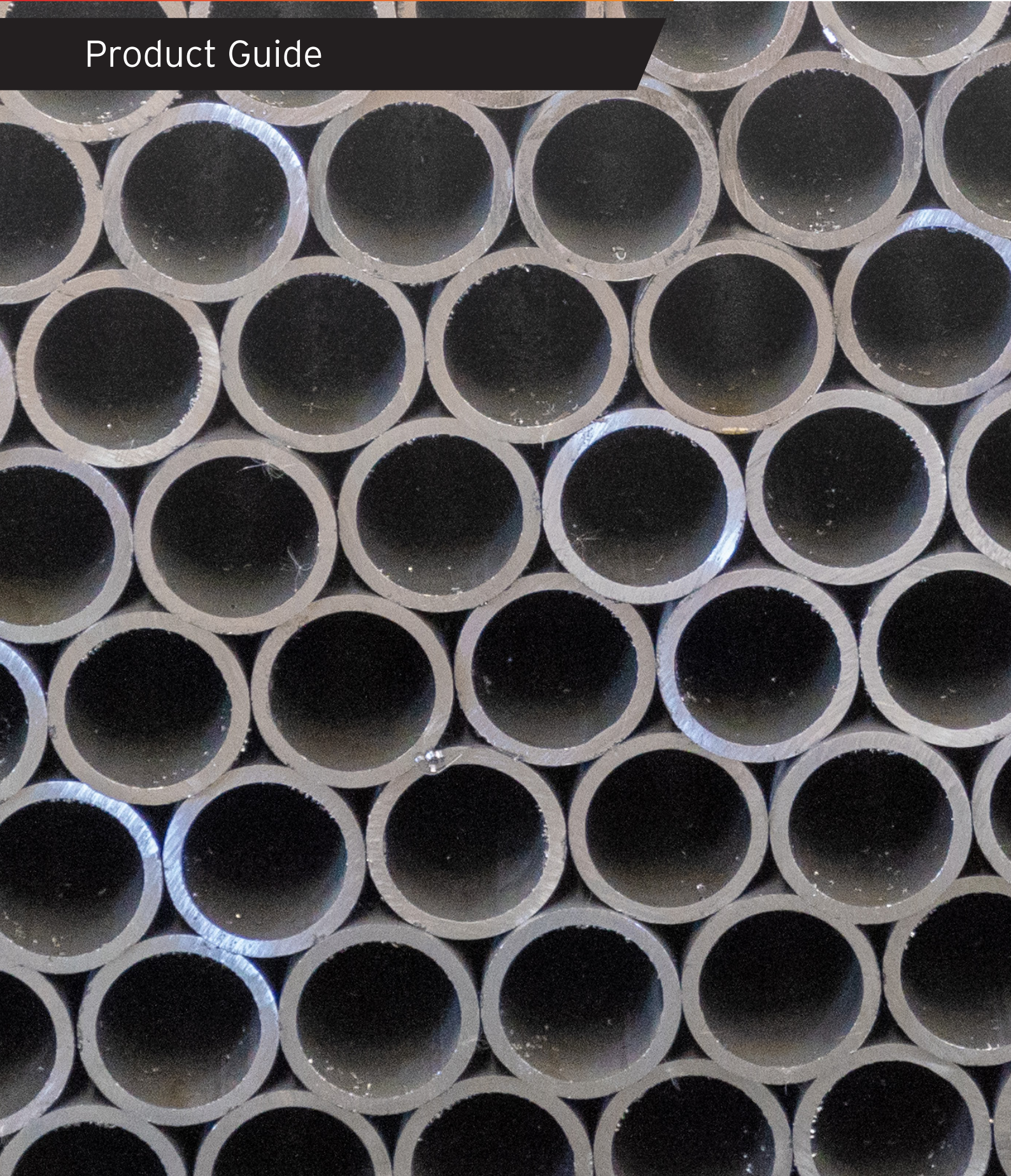


Scaffolding



Product Guide



Scaffolding Product Guide

VJT are a market leader in manufacturing, distributing and testing fixings, fasteners and building consumables, anchoring ourselves as the No.1 impartial supply chain partner to the construction and infrastructure sector for over 30 years.

With a focus on technical connections to timber, concrete and steel we have an in-house UKAS Accredited Laboratory (concrete and masonry) and a qualified technical department offering advice, testing, specification and bespoke calculations to our clients. We have over £6 million of quality, brand leading products in stock ranging from fixings, sealants, screws, anchors, power tools and much more.

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: If you require advice on anchor selection, please call our Technical Department **01233 652520**.

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 (Construction screws)
- Bolts for hollow sections (Blind Bolt, Lindapter Hollo-Bolt and Molabolt)

Anchor installation

All anchors should be installed strictly in accordance with the manufacturer's 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 must be installed while adhering to the manufacturer's specified minimum values for both edge distance and axial spacing. Anchor positioning in brickwork needs additional consideration: NASC TG4:19 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.

On-Site Testing

NASC TG4:19 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 trained competent personnel

All VJT Technical Sales Managers are members of the CFA Approved Testers Scheme.

Quality and Accreditation:

ISO 9001



Technical Support

The technical team at VJ Technology work in partnership with suppliers, major contractors and trade associations and ensure compliance with European/ British Industry Standards and Regulations relating to the performance and safe use of fixings, fastenings and consumables.

Design & Specification Support

- Assistance with technical anchor design complying to responsibilities outlined in BS8539:2012+A1:2021
- Anchor guidance/ recommendations covering a wide range of applications
- Early Design Intervention

Site Support & Training

- CFA Approved on-site testing to BS 8539:2012+A1:2021 (up to 600 kN)
- UKAS accredited for site tensile load testing of heavy duty anchors
- Anchor installation training and toolbox talks

Product Testing

We have a purpose-built in-house Test Laboratory which can assess the performance of virtually any fixing, power tool and consumable used in construction.

DesignFIX Software

The mechanical and chemical anchor and post-installed rebar calculation software. Latest update allows design for up to 100 years working life to EN 1992-4 (on selected products).

CPD Seminars

Available on and off site - Introduction to BS8539:2012+A1:2021 - code of practice for selection and installation of post-installed anchors, latest design standard EN1992-4 (Eurocode 2 part 4) and DesignFix anchor calculation software.

Drill Bits

VJT 4Tech SDS Plus Drill Bit



Item No.	Item Description	Size	Working Length	Key Points
09330330	VJT 4Tech SDS Plus 10.0 x 160	10 x 160mm	100mm	<ul style="list-style-type: none">• 4 Cutting Edge Blade• Minimised Drag• Deep Drilling• Reduced Blow Out
09330140	VJT 4Tech SDS Plus 12.0 x 160	12 x 160mm	100mm	
09330470	VJT 4Tech SDS Plus 14.0 x 160	14 x 160mm	100mm	
09330540	VJT 4Tech SDS Plus 16.0 x 200	16 x 200mm	140mm	
Further sizes available				

VJT Endurance SDS Plus Drill Bit



Item No.	Item Description	Size	Working Length
09320380	VJT Endurance 10 x 160	10 x 160mm	100mm
09320490	VJT Endurance 12 x 160	12 x 160mm	100mm
09320630	VJT Endurance 14 x 210	14 x 210mm	150mm
09320770	VJT Endurance 16 x 210	16 x 210mm	150mm
09320850	VJT Endurance 18 x 210	18 x 210mm	150mm
09320930	VJT Endurance 20 x 210	20 x 210mm	150mm
Further sizes available			

DIN 933 Hexagon Setscrews



Item No.	Item Description	Size	Spanner/Drive AF
14800640	M12 X 40 BZP Hex Set Grade 8.8	12 X 40mm	19mm
14800650	M12 X 45 BZP Hex Set Grade 8.8	12 X 45mm	19mm
14800780	M16 X 40 BZP Hex Set Grade 8.8	16 X 40mm	24mm
14800790	M16 X 45 BZP Hex Set Grade 8.8	16 X 45mm	24mm
Hexsets are available in other sizes and finishes			

Scaffold Screw Eyes

Screw Eyes



Item No.	Item Description	Size	Internal Eye Diameter
02500021	Rawlplug HR Scaffolding Hook 12 x 120	12 x 120mm	23mm
02500031	Rawlplug HR Scaffolding Hook 12 x 160	12 x 160mm	23mm
02500041	Rawlplug HR Scaffolding Hook 12 x 190	12 x 190mm	23mm
02500051	Rawlplug HR Scaffolding Hook 12 x 230	12 x 230mm	23mm
02500061	Rawlplug HR Scaffolding Hook 12 x 300	12 x 300mm	23mm
02500071	Rawlplug HR Scaffolding Hook 12 x 350	12 x 350mm	23mm
02500080	Rawlplug HRK Scaffold Plug 14 x 70	14 x 70mm	
02500090	Rawlplug HRK Scaffold Plug 14 x 100	14 x 100mm	

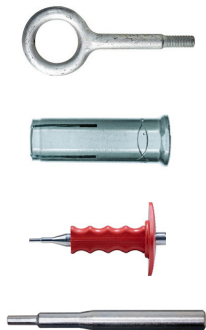
Coach Screws



Item No.	Item Description	Size	Spanner/Drive AF
16200620	12 X 80 BZP Coach Screw	12 x 80mm	19mm
Coach screws are available in other sizes and finishes			

Fixings

Ring Bolt and Drop-in Anchors



Item No.	Item Description	Size	Embedment	Drill Hole Diameter	Internal Thread Length
02350040	Fischer EA II Zinc-Plated Drop In Anchor (ETA) 48406	M12 x 50mm	50mm	15mm	12-22mm
02350050	Fischer EA II Zinc-Plated Drop In Anchor (ETA) 48408	M16 x 65mm	65mm	20mm	16-28mm
13562470	Fischer Setting Tool EA-ST 12 (504585)				
13562472	Fischer Setting Tool EA-ST 16 (504586)				
02350160	Fischer EHS M12 x 50 Plus Setting Tool 44634				
02350170	Fischer EHS M16 x 65 Plus Setting Tool 44635				
02600010	Scaffold Ring Bolt	M16			

Eyebolts and Eyenuts



Item No.	Item Description	Size	Thread Length	Eye
23400250	Eyebolts Din 580 M12 Selfcolour	M12	22mm	30mm
23400260	Eyebolts Din 580 M16 Selfcolour	M16	28mm	35mm
23400330	Eyenuts Din 582 M12 Selfcolour	M12		30mm
23400340	Eyenuts Din 582 M16 Selfcolour	M16		35mm

Blind Bolts and Connectors



Item No.	Item Description	Size	Drill Hole Diameter	Fixing Thickness
24300060	Molabolt BZP	M16 x 60mm	16mm	12-34mm
24300050	Blind Bolt Geomet 500B	M16 x 90mm	17mm	13-43mm
17500080	Studding Connectors 4.6 Bzp M12 x M16 Hex	M12-M16		
17500050	Studding Connectors 4.6 Bzp M16 x 48 DIN6334	M16		
02600010	Scaffold Ring Bolt	M16		

Stud Screwbolt and Connectors



Item No.	Item Description	Size	Minimum Drill Hole Depth	Drill Hole Diameter	Spanner/ Drive AF
02800260	Toge Screw Stud BZP 10x120 M12x25	10 X 120	95mm	10mm	9mm
02800290	Toge Screwbolt Stud BZP 14 x 165 M16 x 35 - 202-141-650	14 x 165	135mm	14mm	12mm
17500080	Studding Connectors for TSM B10 X 120/M12	M12-M16			
17500050	Studding Connectors for TSM B14 X 165/M16	M16			
02600010	Standard M16 Scaffold Ring Bolt	M16			

Resins & Accessories

Resin Anchors



Item No.	Item Description	Size	Use For
06000075	V420+ v3 Hybrid Injection Mortar	420ml	Concrete
06000010	E410+® Epoxy Acrylate Injection Mortar	410ml	Non-cracked concrete and masonry
06000020	EC410+® Express Epoxy Acrylate Injection Mortar	410ml	Non-cracked concrete and masonry
06000080	Chemofast VK Vinylester Styrene-free Resin	420ml	Concrete and masonry
06100420	Steel Wire Brush 250mm for 14mm Dia Hole c/w handle 78180	16mm	
06100440	Steel Wire Brush 250mm for 16/18mm Dia Hole c/w handle 78181	20mm	
06100100	Hand Dust Air Pump		
06100610	Compressed-Air Cleaning Tool for injection mortars		
06100010	Resin Applicator - 410ml (P410, E/EC410, V420 & T Max)		

VJT V420+ v3 Hybrid Injection Mortar



- V420+ v3 is a high performance, styrene-free, hybrid resin
- ETA/UKTA for cracked and non-cracked concrete
- ETA/UKTA for post-installed rebar
- C2 seismic rated
- Fire rated - F120
- NSF approval for potable water
- Suitable for dry and wet concrete including flooded holes
- Very high load capacity

Concrete Temperature	Gel/Working Time	Min. Cure Time in Dry Concrete	Min. Cure Time in Wet Concrete
-5°C to -1°C	50 Mins	5 Hours	10 Hours
0°C to +4°C	25 Mins	3.5 Hours	7 Hours
+5°C to +9°C	15 Mins	2 Hours	4 Hours
+10°C to +14°C	10 Mins	2 Hour	2 Hour
+15°C to +19°C	6 Mins	40 Mins	80 Mins
+20°C to +29°C	3 Mins	30 Mins	60 Mins
+30°C to +40°C	2 Mins	30 Mins	60 Mins

Cartridge Temperature: +5°C to 40°C

VJT E410+® Epoxy Acrylate Injection Mortar



- E410+® is a general purpose, styrene-free, epoxy acrylate resin
- ETA/UKTA for bonded anchors in non-cracked concrete
- ETA/UKTA for bonded anchors in masonry
- Suitable for dry and wet concrete including flooded holes
- High load capacity

Concrete Temperature	Gel/Working Time	Min. Cure Time
-5°C to -1°C	90 Mins	6 Hours
0°C to +4°C	45 Mins	3 Hours
+5°C to +9°C	25 Mins	2 Hours
+10°C to +14°C	20 Mins	100 Mins
+15°C to +19°C	15 Mins	80 Mins
+20°C to +29°C	6 Mins	45 Mins
+30°C to +34°C	4 Mins	25 Mins
+35°C to +39°C	2 Mins	20 Mins

Cartridge Temperature: +5°C to +40°C

VJT EC410+® Express-Cure Epoxy Acrylate Injection Mortar



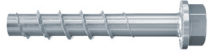
- EC410+® is a general purpose, styrene-free, epoxy acrylate resin (express cure version)
- Faster cure time for winter months
- ETA/UKTA for bonded anchors in non-cracked concrete
- ETA/UKTA for bonded anchors in masonry
- Suitable for dry and wet concrete including flooded holes
- High load capacity

Concrete Temperature	Gel/Working Time	Min. Cure Time in Dry Concrete
-10°C to -6°C	60 Mins	4 Hours
-5°C to -1°C	45 Mins	2 Hours
0°C to +4°C	25 Mins	80 Mins
+5°C to 9°C	10 Mins	45 Mins
+10°C to +14°C	4 Mins	25 Mins
+15°C to +19°C	3 Mins	20 Mins
+20°C to +29°C	2 Mins	15 Mins

Cartridge Temperature: +5°C to +30°C

Hole Plates

Backing Plates



Item No.	Item Description	Size	Hole Size
02700010	Backing Plate 1 Hole	90x45x10mm	19mm
02700020	Backing Plate 2 Hole (1 hole and 1 slot)	125x45x10mm	19mm + 19x27.5mm
02750270	fischer FBS II 60/40/10 US Hex Integral Washer 536877	14 x 125mm	14mm
04000120	Rawlplug Rawlbolt R-RBL-M12/25W	20 x 105mm	13mm

Plate Connectors



Item No.	Item Description	Size	Fixing Thickness
02700270	Scaff Flat Plate Connector M16 For Wood 13mm holes	120x45x10mm	
02700280	Scaff Flat Plate Connector M16 For Steel 6mm Holes	120x60x5mm	
16200620	Coachscrew BZP Hex DIN 571	12 x 80mm	
13600020	DrillTech CSLS Hex Tek (1.2mm - 5.0mm)	5.5 x 32mm	5mm plate to 1.2-5mm steel
13600180	DrillTech CSHS Hex Tek (5.0mm - 12.0mm)	5.5 x 38mm	5mm plate to 5-10mm steel
13600190	DrillTech CSHS Hex Tek (5.0mm - 12.0mm)	5.5 x 51mm	5mm plate to 10-12mm steel
02600010	Scaffold Ring Bolt M16		

Screwbolts

Concrete Screws and Sockets *(Reusable in temporary works when using checking gauge)*



Item No.	Item Description	Size	Minimum Drill Hole Depth	Drill Hole Diameter	Spanner/ Drive AF
02750110	FBS II 10x90 35/25/5 US Hex Integral Washer	10 x 90mm	100mm	10mm	15mm
02750120	FBS II 10x100 45/35/15 US Hex Integral Washer	10 x 100mm	110mm	10mm	15mm
02750130	FBS II 10x120 65/55/35 US Hex Integral Washer	10 x 120mm	130mm	10mm	15mm
02750140	FBS II 10x140 85/75/55 US Hex Integral Washer	10 x 140mm	150mm	10mm	15mm
02750210	FBS II 12x110 50/35/10 US Hex Integral Washer	12 x 110mm	120mm	12mm	17mm
02750220	FBS II 12x130 70/55/30 US Hex Integral Washer	12 x 130mm	140mm	12mm	17mm
02750230	FBS II 12x150 90/75/50 US Hex Integral Washer	12 x 150mm	160mm	12mm	17mm
02750270	FBS II 14x125 60/40/10 US Hex Integral Washer	14 x 125mm	140mm	14mm	21mm
02750370	FBS II Checking gauge FUP 10				
02750380	FBS II Checking gauge FUP 12				
02750390	FBS II Checking gauge FUP 14				
29150780	Gedore Impact Socket 15mm 1/2Sd				
29150800	Gedore Impact Socket 17mm 1/2Sd				
29150820	Gedore Impact Socket 21mm 1/2Sd				

Accessories

BZP Studding Connectors *(Cutting service available on request)*



Item No.	Item Description	Size
17500040	Studding Connectors 4.6 Bzp M12 x 36 DIN6334	M12
17500050	Studding Connectors 4.6 Bzp M16 x 48 DIN6334	M16
17500080	Studding Connectors 4.6 Bzp M12 x M16 Hex	M12-M16
	Studding available in various grades, diameters and finishes. Can be cut to length on request	

Accessories (Continued)

Scaffold Consumables



Item No.	Item Description	Size
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)	
02700030	Scaffold Tag with 2 Inserts	
02700035	Scaffold Tag Inserts	
02700040	Pen	
24400030	Cable Tie Black	4.8 x 203mm
24400040	Cable Tie Black	4.8 x 300mm
24400050	Cable Tie Black	8 x 450mm
02700060	Ladder Tags	
02700070	Ladder Tags Inserts	
02700140	Poly Rope 6mm x 220m	
02700145	Poly Rope 10mm x 220m	
02700130	Tarpaulin 2.7 x 3.6m	
02700135	Tarpaulin 5.4 x 7m	
02700160	Ratchet Strap 25mm x 5m (1 Tonne)	
02700150	Scaffold Spanner 7/16"	
02700090	Heavy Duty Hoarding Clip	
02700100	Light Duty Hoarding Clip	
26701530	Faithful SL250 10" 250mm Scaff Mag Level	
02700075	Scaffold Podium Tags	Set of 6
02700080	Ladder Restraint	
02700360	Scaffold Fittings Bags (40kg)	50 x 45cm
23600140	Banding Trolley	
24900830	Superflex Scaffold Sheeting 2x45m	
24900835	Bungee Ties for Scaffold Sheeting	

Scaffold Hooks



Item No.	Item Description
02700190	EN74 Swivel c/w Welded 16mm External Hook
02700195	EN74 Swivel c/w Welded 16mm Internal Hook
02700200	EN74 Bracket to suit EN74 Swivel Hook

Washers



Item No.	Item Description	Size
02700220	M16 Scaffold Round Washer Self-colour	60x10mm
15600090	M16 Square Plate Washer w/ Square hole Self-colour	100x100x10mm

Blades & Abrasives

Blades and Abrasives *(Other blades and sizes available on request)*



Item No.	Item Description	Size	
10350260	VJT Sabre Saw Blade Wood with Nails/Metal <150 Straight Coarse & Thin and Thick		
10350320	VJT Sabre Saw Blade Coarse Wood Free of Nails 250 Straight Coarse		
10350190	VJT Sabre Saw Blade Wood with Nails/Metal <100 Straight Fine		
25600028	Evolution TCT Blade 355mm Multi-Purpose	355mm	25.4mm
21000060	VJT-Abrasive Discs Metal Cut 305 x 3.2 x 20	305mm	20mm
21000080	VJT-Abrasive Discs Metal Cut 356x2.8x25 ChopSaw	356mm	25.4mm
10900190	30mm Galvanised Clout Nail for edge trim repairs 25KG	30mm	

PPE

Personal Protection Equipment



Item No.	Item Description	Size
24870065	PPE DEL 219 Size 8 Polyester Knitted Gloves - Matrix (4131A)	size 8
24870070	PPE DEL 219 Size 9 Polyester Knitted Gloves - Matrix (4131A)	size 9
24870080	PPE VJT DEL 219 Size 10 Polyester Knitted Gloves - Matrix (4131A)	size 10
24880010	PPE VJT Orange Grip Crinkled Latex Coated Glove Size 9 (2131X)	size 9
24880020	PPE VJT Orange Grip Crinkled Latex Coated Glove Size 10 (2131X)	size 10
24880050	PPE VJT Cut Level 5 Glove Size 9 (4542)	size 9
24800630	PPE PU Cut Level 5/Cut Level D Gloves Size 9 (TP5) (4X43D)(4543)	size 9
24800640	PPE PU Cut Level 5/Cut Level D Gloves Size 10 (TP5) (4X43D)	size 10
24800645	PPE PU Cut Level 5/Cut Level D Gloves Size 11 (TP5) (4X43D)	size 11
24800162	PPE Dust Mask FFP3 (Box 20)	
24800166	(Box 20) PPE Dust Mask 2555 Moldex FFP3	
24800100	PPE Safety Glasses C/W Neck Cord	
24800830	Sun Safety Glasses- Tinted	
26050010	Bolle RUSHPPSI Safety Glasses	
26050130	Bolle ATOAPSI Atom Safety Goggles	
24800090	PPE Goggles EN166 B	
24800110	PPE Ear Defenders SNR26 EN352	
24800120	PPE Ear Plugs (pack 200)	
24800130	PPE Eski Advanced First Aid Kit 20 People	
24800160	PPE Hi-Vis Waistcoat Yellow EN471 XL	
24810060	Safety Harness c/w Lanyard & Scaffold Hook Kit Bag	

Electrical Equipment



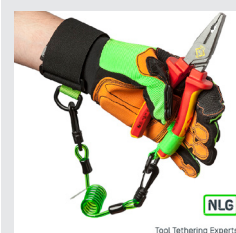
Item No.	Item Description
25000110	Elec Extension Lead 1.5mm 16A 110V 14Mtr Loose
25000130	Elec Cable Reel 110V 25Mtr 2 Outlet 16A
25000150	Elec Cable Reel 110V 50Mtr 2 Outlet 16A

Tool Tethering

Never Let Go



Item No.	Item Description	Size	Max Load
24790010	NLG Tether Loop	120mm	3kg
24790020	NLG Tether Loop	150mm	3kg
24790030	NLG Tether Loop	170mm	3kg
24790250	NLG Tether Ring	19mm	1kg
24790100	NLG D Ring Tether	Small	1kg
24790110	NLG D Ring Tether	Large	3kg
24790050	NLG Tool Tether Choke		18kg
24790060	NLG Tool Tether Choke Single Arm		18kg
24790070	NLG Tool Tether Choke Twin Arm		18kg
24790280	NLG Drill Boot Tether Small		2.7kg
24790220	NLG Adjustable Wristband		3kg
24790230	NLG Adjustable Work-belt		30kg
24790180	NLG Retractable Lanyard Lightweight		0.5kg
24790190	Retractable Lanyard Locking Mechanism		1kg
24790090	NLG Tether Tape Roll	1 roll - 2.8m	5kg
24790130	NLG Helmet Lanyard		
24790330	NLG Mini Coiled Lanyard		1kg
24790240	NLG Belt Loop for all Standards Belts		3kg
24790170	NLG Standard Bungee Lanyard		5kg



The benefits of tethering from your wrist include:

- Low snagging risk because of reduced length of the tool lanyard
- Very compact solution, making it ideal for confined work areas
- Lightweight componentry means that it remains comfortable, even with prolonged use.

NLG does not recommend attaching any tool over 1.5kg to the wrist, as the force generated from heavier tools could cause strain to the user if dropped.



The benefits of tethering from a tool belt include:

- Versatile, heavy-duty system suitable for most tools
- Multiple tools can be tethered and holstered, available for immediate use
- Large range of tool lanyards allows for different configuration options

Only tether tools up to 2.5kg of the waist/tool belt. Heavier tools and objects should be attached to a secure, load-rated anchor point.

Tool Tethering - All you need to know

Deciding to add tool tethering to your workspace is vital for keeping both your workers and public as safe as possible. Once you've made your choice, your next task is to ensure that your tool lanyards are fit for purpose and suitable for the environment you are working in.

Third Party Tested

Every element of the NLG tool tethering system is tested and certified by an accredited UKAS test laboratory. All NLG tool lanyards are tested with a 2:1 safety factor. That means all the lanyards, anchor points and tethers are all tested with double the weight of the load rating.

Trop Testing

NLG products also undergo dynamic drop testing to ensure they can cope in the real world. A dynamic drop test involves lifting the tool to the full extent of the tool lanyard above the anchor point. This is where it's dropped from. That tests the tool tether to its full extension and makes sure that it can deal with the force of a dropped object coming to a sudden stop.

CE Marking

Your tool lanyards show that they comply with the relevant EU safety, health and environmental requirements.

Serial Numbers

Your tool lanyards offer traceability. We're not just talking about traceability in the event that there's a product fault and lanyards need to be recalled. We're talking about internal traceability too. Serial numbered tool lanyards allow you to assign tool tethering equipment to particular employees. They can then be responsible for its condition and accountable for its maintenance.

Contact Us

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