



HARRISON & CLOUGH LTD

THE MATE RANGE

METAL
MATE®

MASON
MATE®

TIMBER
MATE®

RANGE AND RELIABILITY



THE MATE RANGE

METAL
MATE®

MASON
MATE®

TIMBER
MATE®

RANGE AND RELIABILITY



CONTENTS

THE MATE RANGE

6

<i>The Range</i>	6
<i>The Quality</i>	6
<i>The Value</i>	6
<i>The Support</i>	6
<i>The Packaging</i>	7
<i>The Labelling</i>	7
<i>The 'Extended' Range</i>	7

BOLTING

9

<i>Hexagon Head Bolt 8.8</i>	9
<i>Hexagon Head Bolt 8.8 Fine Pitch</i>	9
<i>Hexagon Head Bolt 10.9</i>	9
<i>Hexagon Head Setscrew 8.8</i>	9
<i>Hexagon Head Setscrew 8.8 Fine Pitch</i>	9
<i>Hexagon Head Setscrew 10.9</i>	9
<i>Assembled Bolting</i>	9
<i>Cup Square Hexagon Bolt & Nut</i>	9

ALL THREAD

9

<i>All Thread</i>	9
<i>All Thread Left Hand</i>	10
<i>All Thread Fine Pitch</i>	10
<i>All Thread 8.8</i>	10

HEXAGON SOCKET SCREWS

10

<i>Hexagon Socket Cap Screw</i>	10
<i>Hexagon Socket Dome Screw</i>	10
<i>Hexagon Socket Countersunk Screw</i>	10
<i>Hexagon Socket Shoulder Screw</i>	10
<i>Hexagon Socket Setscrew</i>	10
<i>Hexagon Socket Dome Flange Screw</i>	10

HEXAGON NUTS

11

<i>Hexagon Full Nut</i>	11
<i>Hexagon Lock Nut</i>	11
<i>Hexagon Nylon Insert Nut Type P</i>	11
<i>Hexagon Nylon Insert Nut Type T</i>	11
<i>Hexagon Plain Flange Nut</i>	11
<i>Hexagon Serrated Flange Nut</i>	11
<i>Hexagon Weld Nut</i>	11
<i>Hexagon Connecting Nut</i>	11
<i>Hexagon Dome Nut</i>	11
<i>Pronged Tee Nut</i>	12
<i>Wing Nut</i>	12
<i>Hexagon Castle Nut</i>	12
<i>Hexagon Slotted Nut</i>	12
<i>Bright Mild Steel Hexagon Full Nut</i>	12
<i>Bright Mild Steel Hexagon Full Nut Left Hand</i>	12
<i>Bright Mild Steel Hexagon Lock Nut</i>	12
<i>Bright Mild Steel Hexagon Lock Nut Left Hand</i>	12

BRANDED HEXAGON LOCKING NUTS

12

<i>Philidas Industrial Nut</i>	12
<i>Philidas Turret Nut</i>	12
<i>Philidas Mark V Nut</i>	12
<i>Binx Self Locking Nut</i>	12
<i>Stover Self Locking Nut</i>	12

WASHERS

13

<i>Plain Washer Form A</i>	13
<i>Plain Washer Form B</i>	13
<i>Plain Washer Form C</i>	13
<i>Plain Washer T3</i>	13
<i>Plain Washer T4</i>	13
<i>Square Section Spring Washer</i>	13
<i>Rectangular Section Spring Washer</i>	13
<i>Repair Washer</i>	13
<i>Internal Shakeproof Washer</i>	14
<i>External Shakeproof Washer</i>	14
<i>Square Plate Washer</i>	14
<i>Starlock Washer</i>	14
<i>Black Mild Steel Washer Form G</i>	14
<i>Crinkle Washer</i>	14
<i>Through Hardened Washer Grade 10</i>	14
<i>Red Fibre Washer</i>	14

MACHINE SCREWS

14

<i>Slotted Countersunk Machine Screw</i>	14
<i>Slotted Pan Head Machine Screw</i>	14
<i>Slotted Cheese Head Machine Screw</i>	15
<i>Pozi Countersunk Machine Screw</i>	15
<i>Pozi Pan Head Machine Screw</i>	15

SELF TAPPING SCREWS

15

<i>Pozi Countersunk Self Tapping Screw (AB)</i>	15
<i>Pozi Pan Head Self Tapping Screw (AB)</i>	15
<i>Pozi Flange Head Self Tapping Screw (AB)</i>	15
<i>Hexagon Head Self Drilling Self Tapping Screw</i>	15

RIVETS

16

<i>Multi Grip Rivet</i>	16
<i>Sealed (Cap) Rivet</i>	16
<i>Dome Rivet</i>	16
<i>Countersunk Rivet</i>	16
<i>Flange Rivet</i>	16
<i>Peel Rivet</i>	16
<i>Dome Head Rivet Nut</i>	16
<i>Countersunk Head Rivet Nut</i>	16
<i>Small Head Rivet Nut</i>	16

SELF DRILLING SCREW 16

Drill Screw	16
Composite Panel Screw	16
Countersunk Screw	16

ROOFING 17

Selawasher	17
Roofing Bolt & Square Nuts	17
Hook Bolt	17

LIFTING & CLAMPING 17

Dynamo Eyebolt	17
Collared Eyebolt	17
Eyenuit	17
Wire Rope Grip	17
D Shackle	17
U Bolt + 2 Nuts	17

PINS 17

Dowel Pin	17
Hardened & Ground Dowel Pin	17
Extractable Dowel Pin	17
Spring Tension (Sellok Pins)	18
Cotter Pin	18

LINDAPTER 18

Support & Cavity Fixings	18
Decking & Floor Fixings	18
Steelwork & Rail Fixings	18

MISCELLANEOUS 18

Terry Hose Clips	18
Jubilee Hose Clips	18
Hexagon Hank Rivet Bush	18
Round Serrated River Bush	18

THROUGH BOLTS 19

Through Bolts	19
ETA Approved Through Bolts	19

HEAVY DUTY ANCHORS 19

ETA Approved Countersunk Heavy Duty Anchor	19
ETA Approved Heavy Duty Anchor Hexagon Bolt	19
ETA Approved Heavy Duty Anchor Stud	19

SLEEVE, SHIELD, DROP IN WEDGE ANCHORS 19

Hexagon Nut Sleeve Anchor	19
Hexagon Loose Bolt Sleeve Anchor	19
Countersunk Head Loose Bolt Sleeve Anchor	19
Loose Bolt Shield Anchor	19
Projecting Shield Anchor	19
Hook Bolt Shield Anchor	20
Eye Bolt Shield Anchor	20
Shield Anchor (Shield Only)	20
Plain Drop In Wedge Anchor	20
Lipped Drop In Wedge Anchor	20

MASONRY NAILS & SCREWBOLTS 20

Masonry Nails	20
Hexagon Concrete Screwbolt	20
Hexagon Flange Concrete Screwbolt	20
Countersunk Torx Concrete Screwbolt	20
Hexagon Head Screwbolt	20
Socket Countersunk Screwbolt	20
Eye Screwbolt	20
Hook Screwbolt	20
Scaffold Bolt	20

CHEMICAL RESINS 21

ETA Approved Chemical Resins	21
Chemical Resin Guns	21
Chemical Resin Accessories	21
ETA Approved Spin In Capsules	21
Hammer In Capsules	21
Studs	21
Internal Threaded Sockets	21

LIGHT DUTY FIXINGS 21

Frame Fixing	21
Hammer Fixing	21
Window Frame Anchor	21
Concrete Screw	22

CAVITY FIXINGS 22

Hollow Wall Anchor	22
Plasterboard Fixings	22
Spring Toggle & Screw	22
Wall Plugs	22

CABLE TIES 22

Cable Ties	22
------------	----

WOODSCREWS 23

Pozi Double Countersunk	23
Twin Thread Woodscrew	
Pozi Round Head Twin Thread Woodscrew	23
Pozi Countersunk Carcass Screw	23
Pozi Double Countersunk	23
Single Thread Woodscrew	
Clutch Head Twin Thread Woodscrew	23
Slotted Round Brass Woodscrew	23
Slotted Countersunk Brass Woodscrew	23

DRY WALL SCREWS 23

Phillips Recess Bugle Head Drywall Screw	23
Phillips Recess Pan Head Drywall Screw	23
Phillips Recess Wafer Head Drywall Screw	23
Drywall Nail	23

COACHSCREWS 24

Hexagon Head Coachscrew	24
-------------------------	----

CAPS & COVERS 24

Surface Screw Cup	24
Pozi Screw Cover Cup	24
Turned Pattern Screw Cup	24

NAILS 24

Round Wire Nail	24
Round Lost Nail	24
Annular Ring Shank Nail	24
Clout Head Nail	24
Extra Large Clout Head Nail	24
Brudaw Alloy Dowel	24

THE TITE RANGE 25

STAINLESS STEEL RANGE 27

BRASS & NYLON RANGE 31

CERTIFIED RANGE 34

TECHNICAL INFORMATION 38

FIXINGS SELECTION CHART 45

THE MATE RANGE



Introducing the Mates range of fasteners, screws and fixings: Reliability in every application.

The Range:

**METAL
MATE®**

MetalMate® fasteners for engineering, construction, production, repair and maintenance.

**MASON
MATE®**

MasonMate® fixings for work in all types of masonry, stone and brick.

**TIMBER
MATE®**

TimberMate® screws for all timber related applications.

The Quality:

The 3 Mate brands have all, or some, of the following quality characteristics:

- Manufactured by worlds class producers.
- Manufactured by suppliers adhering to the quality management requirements of ISO 9001:2008 and also ISO/TS 16949:2009.
- Full product traceability to the original raw material.
- EN: ISO 10204 3.1 certification.
- CE approval and marking.
- ETA approval.
- CR3 ROHS (Restriction of use of Hazardous Substances) compliance.
- Independently tested to recognised standards.

The Value:

Performance, consistency and reliability does not come cheaply but the Mates range will always offer reassuring value for money and is proudly market competitive.

The Support:

Available through your local distributor who has immediate access to:

- | | |
|--|------------------------------|
| • Technical support | • On-site support |
| • Technical specifications | • Next day delivery |
| • Product testing support | • Catalogues and wall charts |
| • Mobile load testing and hardness testing equipment | • Marketing material |

The Packaging:

- Strong, clearly labelled and distinctive 'no nonsense' packaging.
- All branded with the Mates logo.
- Packaging options:
 - Fully branded 'inner' boxes.
 - Manufacturers outer cartons containing multiple inner boxes.
 - Manufacturers outers containing loose product.
 - Manufacturers single item pallets made up of multiple outer cartons.



The Labelling:

Full Traceability

Quality assured back to trusted & audited factories and the raw material batch

Nothing To Hide!

A name we are proud of

Quantity



QR Code

To be scanned for product datasheet

Everything You Need To Know

What's in the box / grade / material / specification / size / finish / drive

H&C Product Code

For easy reference

The 'Extended' Range of market leading brands



Tite® Range for unique innovation and design when working in all types of timber and masonry.



UK manufacturers of innovative connection systems for all steel work.



European manufactured quality blind rivet system.



UK manufactured the original high quality 'screwbolt' anchor offering exceptional strength for permanent and temporary applications in all substrates.



UK designed all metal locking nuts.



European manufactured system of standard anchors for small to large applications carrying ETA accreditation.




Manufactured in the UK and the original hose clamp now offering a wide range of clamping solutions.

THE FULL RANGE

RANGE AND RELIABILITY

BOLTING



Hexagon Head Bolt 8.8 DIN 931

Self Colour
Zinc Plated
Hot Dipped Galvanised

Sizes available from:
Diameter: **M4 to M56**
Length: **8mm to 600mm**

3.1
CERTIFICATION
AVAILABLE

METAL MATE®



Hexagon Head Bolt 8.8 Fine Pitch DIN 960

Self Colour

Sizes available from:
Diameter: **M10 to M24**
Length: **40mm to 200mm**

3.1
CERTIFICATION
AVAILABLE

METAL MATE®



Hexagon Head Bolt 10.9 DIN 931

Self Colour
Zinc Plated

Sizes available from:
Diameter: **M6 to M56**
Length: **30mm to 760mm**

3.1
CERTIFICATION
AVAILABLE

METAL MATE®



Hexagon Head Bolt (Non-Ferrous) DIN 931

A2 Stainless Steel

Sizes available from:
Diameter: **M6 to M24**
Length: **25mm to 150mm**

METAL MATE®



Hexagon Head Setscrew 8.8 DIN 933

Self Colour
Zinc Plated
Hot Dipped Galvanised

Sizes available from:
Diameter: **M3 to M48**
Length: **6mm to 400mm**

3.1
CERTIFICATION
AVAILABLE

METAL MATE®




Hexagon Head Setscrew 8.8 Fine Pitch DIN 961

Self Colour

Sizes available from:
Diameter: **M8 to M24**
Length: **16mm to 100mm**

3.1
CERTIFICATION
AVAILABLE

METAL MATE®



Hexagon Head Setscrew 10.9 DIN 933

Self Colour
Zinc Plated

Sizes available from:
Diameter: **M5 to M36**
Length: **10mm to 200mm**

3.1
CERTIFICATION
AVAILABLE

METAL MATE®



Hexagon Head Setscrew (Non-Ferrous) DIN 933

A2 Stainless Steel
A4 Stainless Steel
Brass

Sizes available from:
Diameter: **M3 to M24**
Length: **6mm to 200mm**

METAL MATE®




Hexagon Head Setscrew (Nylon) DIN 933

Nylon

Sizes available from:
Diameter: **M5 to M16**
Length: **20mm to 55mm**

METAL MATE®




Assembled Bolting 8.8 EN: 15048-1:2007

Zinc Plated
Hot Dipped Galvanised

Sizes available from:
Diameter: **M12 to M24**
Length: **30mm to 90mm**

CE
APPROVED

METAL MATE®



Cup Square Hexagon Bolt & Nut 4.8 DIN 603/555

Zinc Plated
Hot Dipped Galvanised

Sizes available from:
Diameter: **M6 to M20**
Length: **16mm to 400mm**

ALL ZINC PLATED LENGTHS UPTO & INCLUDING 150MM ARE FULLY THREADED

CE
APPROVED

METAL MATE®



Cup Square Hexagon Bolt & Nut (Non-Ferrous) DIN 603

A2 Stainless Steel

Sizes available from:
Diameter: **M6 to M10**
Length: **16mm to 150mm**

METAL MATE®

ALL THREAD



All Thread
Mild Steel All Thread

Self Colour
Zinc Plated

Sizes available from:
Diameter: **M3 to M48**
Length: **300mm to 3mtr**

UNC / UNF / BSW / BSF SIZING ALSO AVAILABLE

METAL MATE®




All Thread (Non-Ferrous)

A2 Stainless Steel
A4 Stainless Steel
Brass

Sizes available from:
Diameter: **M3 to M30**
Length: **300mm to 3mtr**

METAL MATE®



All Thread (Nylon)

Nylon

Sizes available from:
Diameter: **M6 to M12**
Length: **1mtr**

METAL MATE®



All Thread Left Hand
Mild Steel All Thread
Self Colour
Sizes available from:
Diameter: **M8 to M24**
Length: **1mtr**

**METAL
MATE**



All Thread Fine Pitch
Mild Steel All Thread
Self Colour
Sizes available from:
Pitch: **1.0 / 1.25 / 1.5 / 2.0**
Diameter: **M10 to M24**
Length: **1mtr**

**METAL
MATE**



All Thread 8.8
Self Colour
Galvanised
Zinc Plated
Sizes available from:
Diameter: **M6 to M30**
Length: **1mtr to 3mtr**

**METAL
MATE**

HEXAGON SOCKET SCREWS



Hexagon Socket Cap Screw 12.9
Self Colour
Zinc Plated
Sizes available from:
Diameter: **M2 to M48**
Length: **4mm to 400mm**

DIN 912

3.1
CERTIFICATION
AVAILABLE

**METAL
MATE**



Hexagon Socket Cap Screw (Non-Ferrous)
A2 Stainless Steel
Sizes available from:
Diameter: **M2.5 to M16**
Length: **6mm to 160mm**

DIN 912

**METAL
MATE**



Hexagon Socket Dome Screw 10.9
Self Colour
Zinc Plated
Sizes available from:
Diameter: **M3 to M16**
Length: **5mm to 120mm**

ISO: 7380

3.1
CERTIFICATION
AVAILABLE

**METAL
MATE**



Hexagon Socket Dome Screw (Non-Ferrous)
A2 Stainless Steel
Sizes available from:
Diameter: **M3 to M12**
Length: **6mm to 80mm**

ISO: 7380

**METAL
MATE**




Hexagon Socket Countersunk Screw 10.9
Self Colour
Zinc Plated
Sizes available from:
Diameter: **M3 to M24**
Length: **6mm to 200mm**

DIN 7991

3.1
CERTIFICATION
AVAILABLE

**METAL
MATE**



Hexagon Socket Countersunk Screw (Non-Ferrous)
A2 Stainless Steel
Sizes available from:
Diameter: **M3 to M16**
Length: **6mm to 100mm**

DIN 7991


**METAL
MATE**



Hexagon Socket Shoulder Screw 12.9
Self Colour
Sizes available from:
Diameter: **M6 to M16**
Length: **10mm to 100mm**

ISO: 7379

**METAL
MATE**



Hexagon Socket Setscrew 14.9
Self Colour
Zinc Plated
Sizes available from:
Diameter: **M2 to M24**
Length: **2mm to 60mm**

DIN 916

**METAL
MATE**



Hexagon Socket Setscrew (Non-Ferrous)
A2 Stainless Steel
Sizes available from:
Diameter: **M3 to M12**
Length: **2mm to 60mm**

DIN 916

**METAL
MATE**



Hexagon Socket Dome Flange Screw 10.9
Self Colour
Zinc Plated
Sizes available from:
Diameter: **M3 to M10**
Length: **6mm to 50mm**

DIN 267
















**METAL
MATE**

RANGE AND RELIABILITY

YFS

MetalMate® socket caps, countersunk and dome screws are all manufactured by the worlds leading producer, Fang Sheng, and carry the famous YFS head marking.


HEXAGON NUTS

 <p>Hexagon Full Nut Grade 8 DIN 934</p> <p>Self Colour Zinc Plated Galvanised</p> <p><i>Sizes available from:</i> Diameter: M6 to M48</p> <p>IND. INDEPENDENTLY TESTED</p> <p>UNC / UNF / BSW / BSF SIZING ALSO AVAILABLE</p> <p>METAL MATE®</p>	 <p>Hexagon Full Nut Grade 10 DIN 934</p> <p>Self Colour Zinc Plated</p> <p><i>Sizes available from:</i> Diameter: M6 to M52</p> <p>IND. INDEPENDENTLY TESTED</p> <p>METAL MATE®</p>	 <p>Hexagon Full Nut (Non-Ferrous) DIN 934</p> <p>Brass A2 Stainless Steel A4 Stainless Steel</p> <p><i>Sizes available from:</i> Diameter: M2 to M30</p> <p>METAL MATE®</p>
 <p>Hexagon Full Nut (Nylon) DIN 934</p> <p>Nylon</p> <p><i>Sizes available from:</i> Diameter: M3 to M12</p> <p>METAL MATE®</p>	 <p>Hexagon Lock Nut Grade 4 DIN 439B</p> <p>Self Colour Zinc Plated</p> <p><i>Sizes available from:</i> Diameter: M4 to M48</p> <p>METAL MATE®</p>	 <p>Hexagon Lock Nut (Non-Ferrous) DIN 439B</p> <p>Brass A2 Stainless Steel</p> <p><i>Sizes available from:</i> Diameter: M4 to M20</p> <p>METAL MATE®</p>
 <p>Hexagon Nylon Insert Nut Type P Class 8 DIN 6924/982</p> <p>Zinc Plated</p> <p><i>Sizes available from:</i> Diameter: M4 to M24</p> <p>UNC / UNF SIZING ALSO AVAILABLE</p> <p>METAL MATE®</p>	 <p>Hexagon Nylon Insert Nut Type T Class 6 DIN 985</p> <p>Zinc Plated Mechanical Galvanised</p> <p><i>Sizes available from:</i> Diameter: M3 to M36</p> <p>METAL MATE®</p>	 <p>Hexagon Nylon Insert Nut Type T (Non-Ferrous) DIN 985</p> <p>A2 Stainless Steel A4 Stainless Steel</p> <p><i>Sizes available from:</i> Diameter: M3 to M24</p> <p>METAL MATE®</p>
 <p>Hexagon Plain Flange Nut Class 8 DIN 6923</p> <p>Zinc Plated</p> <p><i>Sizes available from:</i> Diameter: M4 to M12</p> <p>METAL MATE®</p>	 <p>Hexagon Serrated Flange Nut Class 8 DIN 6923</p> <p>Zinc Plated</p> <p><i>Sizes available from:</i> Diameter: M4 to M20</p> <p>METAL MATE®</p>	 <p>Hexagon Weld Nut Class 4 DIN 929</p> <p>Self Colour</p> <p><i>Sizes available from:</i> Diameter: M6 to M12</p> <p>METAL MATE®</p>
 <p>Hexagon Connecting Nut Class 6 DIN 6334</p> <p>Zinc Plated</p> <p><i>Sizes available from:</i> M6 x 18mm to M24 x 72mm</p> <p>METAL MATE®</p>	 <p>Hexagon Dome Nut Class 6 DIN 1587</p> <p>Self Colour Zinc Plated</p> <p><i>Sizes available from:</i> Diameter: M4 to M20</p> <p>METAL MATE®</p>	 <p>Hexagon Dome Nut (Non-Ferrous) DIN 1587</p> <p>A2 Stainless Steel</p> <p><i>Sizes available from:</i> Diameter: M4 to M20</p> <p>METAL MATE®</p>



Pronged Tee Nut
Self Colour
Zinc Plated
Sizes available from:
Diameter: **M4 to M10**

**METAL
MATE®**



Wing Nut
Zinc Plated
A2 Stainless Steel
Sizes available from:
Diameter: **M5 to M16**

ANSI: B18.17


**METAL
MATE®**



Hexagon Castle Nut
Self Colour
Sizes available from:
Diameter: **M6 to M48**

BS 3692

**METAL
MATE®**



Hexagon Slotted Nut
Self Colour
Sizes available from:
Diameter: **M10 to M36**

BS 3692

**METAL
MATE®**



**Bright Mild Steel
Hexagon Full Nut Grade 4**
Self Colour
Sizes available from:
Diameter: **M6 to M42**

BS 3692


**METAL
MATE®**



**Bright Mild Steel
Hexagon Left Hand
Full Nut Grade 4**
Self Colour
Sizes available from:
Diameter: **M6 to M30**

BS 3692

**METAL
MATE®**



**Bright Mild Steel
Hexagon Lock Nut Grade 4**
Self Colour
Sizes available from:
Diameter: **M8 to M48**

BS 3692

**METAL
MATE®**



**Bright Mild Steel
Hexagon Left Hand
Lock Nut Grade 4**
Self Colour
Sizes available from:
Diameter: **M10 to M20**

BS 3692

**METAL
MATE®**

RANGE AND RELIABILITY

Are you sure your DIN 934 are class 8?


MetalMate® DIN 934 nuts are independently tested to ensure they are true class 8.

BRANDED HEXAGON LOCKING NUTS




**Philidas Industrial Nut
Grade 8**
Self Colour
Zinc & Yellow
Sizes available from:
Diameter: **M5 to M36**

Philidas®




**Philidas Turret Nut
Grade 8**
Zinc & Yellow
Sizes available from:
Diameter: **M4 to M30**

Philidas®




**Philidas Mark V Nut
Grade 8**
Zinc & Yellow
Sizes available from:
Diameter: **M4 to M20**

Philidas®



**Binx Self Locking Nut
Grade 4**
Zinc Plated
Sizes available from:
Diameter: **M4 to M30**

BINX®



**Stover Self Locking Nut
Class 8**
Zinc Plated
Sizes available from:
Diameter: **M6 to M24**

DIN 980V

RANGE AND RELIABILITY

Philidas and Binx perfectly compliment the extensive Mate range of hexagon nuts.

WASHERS




Plain Washer Form A DIN 125

Self Colour
Galvanised
Zinc Plated

Sizes available from:
Diameter: 2mm to 42mm

HARDNESS RANGE 140Hv - 250Hv

**METAL
MATE**




Plain Washer Form A (Non-Ferrous) DIN 125

Brass
A2 Stainless Steel
A4 Stainless Steel

Sizes available from:
Diameter: 3mm to 30mm

**METAL
MATE**



Plain Washer Form A (Nylon) DIN 125

Nylon

Sizes available from:
Diameter: 2.5mm to 24mm

**METAL
MATE**




Plain Washer Form B BS 4320

Self Colour
Zinc Plated

Sizes available from:
Diameter: 5mm to 36mm

**METAL
MATE**




Plain Washer Form B (Non-Ferrous) BS 4320

Brass
A2 Stainless Steel
A4 Stainless Steel

Sizes available from:
Diameter: 6mm to 24mm

**METAL
MATE**




Plain Washer Form C BS 4320

Zinc Plated

Sizes available from:
Diameter: 4mm to 24mm

**METAL
MATE**



Plain Washer Form C (Non-Ferrous) BS 4320

A2 Stainless Steel

Sizes available from:
Diameter: 4mm to 20mm

**METAL
MATE**



Plain Washer T3 BS 3410

Light
Self Colour / Zinc Plated

Sizes available from:
Diameter: 3/16" to 2"

Heavy
Self Colour / Zinc Plated

Sizes available from:
Diameter: 3/16" to 2"

**METAL
MATE**



Plain Washer T4 BS 3410


Light
Zinc Plated

Sizes available from:
Diameter: 1/8" to 1"

Heavy
Self Colour / Zinc Plated

Sizes available from:
Diameter: 3/16" to 1.1/2"

**METAL
MATE**




Square Section Spring Washer DIN 7980

Zinc Plated

Sizes available from:
Diameter: 3mm to 24mm

**METAL
MATE**




Square Section Spring Washer (Non-Ferrous) DIN 7980

A2 Stainless Steel
A4 Stainless Steel

Sizes available from:
Diameter: 3mm to 24mm

**METAL
MATE**




Rectangular Section Spring Washer DIN 127B

Zinc Plated

Sizes available from:
Diameter: 3mm to 24mm

**METAL
MATE**




Rectangular Section Spring Washer (Non-Ferrous) DIN 127B

A2 Stainless Steel

Sizes available from:
Diameter: 5mm to 16mm

**METAL
MATE**




Repair Washer

Zinc Plated

Sizes available from:
Diameter: 5mm to 12mm

**METAL
MATE**












Repair Washer (Non-Ferrous)

A2 Stainless Steel

Sizes available from:
Diameter: 5mm to 12mm

**METAL
MATE**

 <p>Internal Shakeproof Washer DIN 6798 Zinc Plated Sizes available from: Diameter: 3mm to 30mm</p> <p>METAL MATE®</p>	 <p>Internal Shakeproof Washer (Non-Ferrous) DIN 6798 A2 Stainless Steel Sizes available from: Diameter: 4mm to 24mm</p> <p>METAL MATE®</p>	 <p>External Shakeproof Washer DIN 6798 Zinc Plated Sizes available from: Diameter: 3mm to 24mm</p> <p>METAL MATE®</p>
 <p>Square Plate Washer BS 3410 Zinc Plated Sizes available from: Diameter: 8mm to 24mm</p> <p>METAL MATE®</p>	 <p>Starlock Washer Capped / Uncapped BS 3410 Sizes available from: Diameter: 2mm to 24mm</p> <p>METAL MATE®</p>	 <p>Black Mild Steel Washer Form G BS 4320 Self Colour Zinc Plated Galvanised Sizes available from: Diameter: 5mm to 30mm</p> <p>METAL MATE®</p>
 <p>Crinkle Washer A2 Stainless Steel Sizes available from: Diameter: 4mm to 12mm</p> <p>METAL MATE®</p>	 <p>Through Hardened Washer Grade 10 DIN 6916 Self Colour Sizes available from: Diameter: 12mm to 24mm</p> <p>METAL MATE®</p>	 <p>Red Fibre Washer Self Colour Sizes available from: Diameter: 2.5mm to 16mm</p> <p>METAL MATE®</p>

RANGE AND RELIABILITY



MetalMate® plain washers form A have a hardness of between 140hv and 250hv ensuring performance and reliability.

MACHINE SCREWS

 <p>Slotted Countersunk Machine Screw DIN 963 Zinc Plated Sizes available from: Diameter: M3 to M12 Length: 6mm to 100mm</p> <p>METAL MATE®</p>	 <p>Slotted Countersunk Machine Screw (Non-Ferrous) DIN 963 A2 Stainless Steel Brass Sizes available from: Diameter: M3 to M10 Length: 6mm to 100mm</p> <p>METAL MATE®</p>	 <p>Slotted Pan Head Machine Screw DIN 85 Zinc Plated Sizes available from: Diameter: M3 to M8 Length: 5mm to 70mm</p> <p>METAL MATE®</p>
--	---	--



Slotted Pan Head Machine Screw (Non-Ferrous)

DIN 85

A2 Stainless Steel
Brass

Sizes available from:
Diameter: **M3 to M8**
Length: **5mm to 70mm**

**METAL
MATE®**


Slotted Cheese Machine Screw

DIN 84

Zinc Plated

Sizes available from:
Diameter: **M3 to M6**
Length: **5mm to 50mm**

**METAL
MATE®**


Slotted Cheese Machine Screw (Non-Ferrous)

DIN 84

Brass

Sizes available from:
Diameter: **M3 to M6**
Length: **6mm to 30mm**

**METAL
MATE®**


Pozi Countersunk Machine Screw

DIN 965

Zinc Plated

Sizes available from:
Diameter: **M2.5 to M8**
Length: **5mm to 70mm**

**METAL
MATE®**


Pozi Countersunk Machine Screw (Non-Ferrous)

DIN 965

A2 Stainless Steel

Sizes available from:
Diameter: **M3 to M8**
Length: **5mm to 50mm**

**METAL
MATE®**


Pozi Pan Head Machine Screw

DIN 7985

Zinc Plated

Sizes available from:
Diameter: **M2 to M8**
Length: **4mm to 100mm**

**METAL
MATE®**


Pozi Pan Head Machine Screw (Non-Ferrous)

DIN 7985

A2 Stainless Steel

Sizes available from:
Diameter: **M3 to M8**
Length: **4mm to 50mm**

**METAL
MATE®**

RANGE AND RELIABILITY

**METAL
MATE®**

The MetalMate® range of machine screws, sheet metal screws and fasteners are designed to meet the needs of the more discerning distributors.

SELF TAPPING SCREWS



Pozi Countersunk Self Tapping Screw (AB)

DIN 7982C/Z

Zinc Plated

Sizes available from:
Diameter: **4swg to 14swg**
Length: **3/8" to 2"**

**METAL
MATE®**


Pozi Countersunk Self Tapping Screw (AB) (Non-Ferrous)

DIN 7982C/Z

A2 Stainless Steel

Sizes available from:
Diameter: **4swg to 14swg**
Length: **3/8" to 2"**

**METAL
MATE®**


Pozi Pan Head Self Tapping Screw (AB)

DIN 7981

Zinc Plated

Sizes available from:
Diameter: **4swg to 14swg**
Length: **1/4" to 2"**

**METAL
MATE®**


Pozi Pan Head Self Tapping Screw (AB) (Non-Ferrous)

DIN 7981

A2 Stainless Steel

Sizes available from:
Diameter: **4swg to 14swg**
Length: **1/4" to 2"**

**METAL
MATE®**


Pozi Flange Head Self Tapping Screw (AB)

BS 4174

Zinc Plated

Sizes available from:
Diameter: **6swg to 12swg**
Length: **3/8" to 1"**

**METAL
MATE®**


Hexagon Head Self Drilling Self Tapping Screw

DIN 7504K

Zinc Plated

Sizes available from:
Diameter: **3.5mm to 6.3mm**
Length: **9.5mm to 50mm**

**METAL
MATE®**

RIVETS



Multi Grip Rivet

Aluminium
Zinc Plated Steel

Sizes available from:
Diameter: 3.2mm to 4.8mm

Multi Grip
Vibrations free, wide range of grip



Sealed (Cap) Rivet

Aluminium

Sizes available from:
Diameter: 3.2mm to 4.8mm

Sealed Type
100% mandrel head retention, pressure and water-tightness.



Dome Rivet

Copper
Aluminium
Zinc Plated Steel
Stainless Steel

Sizes available from:
Diameter: 2.4mm to 6.4mm

Dome Head
Standard low-profile head, suitable for most applications.



Countersunk Rivet

Aluminium
Zinc Plated Steel
Stainless Steel

Sizes available from:
Diameter: 3.2mm to 4.8mm

Countersunk
120° head design. Used wherever a flush surface is required.



Flange Rivet

Aluminium

Sizes available from:
Diameter: 3.2mm to 4.8mm

Flange
For use where thin, brittle, soft, or vulnerable materials are fastened. Provides large bearing surface on primary side; ideal for covering enlarged holes or slots.



Peel Rivet

Aluminium

Sizes available from:
Diameter: 4mm to 4.8mm

Peel Type
Suitable for joining plastics, rubber, wood and laminates, tolerance of over-sized holes.



Dome Head Rivet Nut

Aluminium
Steel
A2 Stainless Steel

Sizes available from:
Diameter: M4 to M10



Countersunk Head Rivet Nut

Steel

Sizes available from:
Diameter: M4 to M8



Small Head Rivet Nut

Steel

Sizes available from:
Diameter: M4 to M10



SELF DRILLING SCREWS



Drill Screw

Light Section Drill Screw

Zinc Plated

Sizes available from:
Diameter: 5.5mm
Length: 25mm to 100mm



Drill Screw

Heavy Section Drill Screw

Zinc & Yellow

Sizes available from:
Diameter: 5.5mm
Length: 25mm to 100mm



Composite Panel Screw

Light Section Composite Panel Screw

Zinc & Yellow

Sizes available from:
Diameter: 5.5mm
Length: 76mm to 120mm



Composite Panel Screw

Heavy Section Composite Panel Screw

Zinc & Yellow

Sizes available from:
Diameter: 6.3mm
Length: 60mm to 125mm



Countersunk Screw

Light

Zinc Plated

Sizes available from:
Diameter: 4.8mm to 5.5mm
Length: 25mm to 110mm



Countersunk Screw

Heavy

Zinc Plated

Sizes available from:
Diameter: 5.5mm
Length: 60mm to 110mm



ROOFING



Selawasher

Black
Clear

Sizes available from:

1D: 6mm & 8mm
6D: 20mm & 28mm

METAL
MATE®



Roofing Bolt & Square Nuts

Zinc Plated

Sizes available from:

Diameter: M5 to M10
Length: 8mm to 180mm

METAL
MATE®



Hook Bolt

Zinc & Yellow

Sizes available from:

Diameter: M6 to M8
Length: 60mm to 220mm

METAL
MATE®

LIFTING & CLAMPING



Dynamo Eyebolt

Self Colour

Sizes available from:

Diameter: M6 to M24

METAL
MATE®



Collared Eyebolt

Self Colour

Sizes available from:

Diameter: M6 to M24

METAL
MATE®



Eyenut

Self Colour

Sizes available from:

Diameter: M10 to M16

METAL
MATE®



Wire Rope Grip

Galvanised

Sizes available from:

Diameter: 1/8" to 3/4"

METAL
MATE®



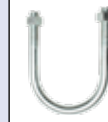
D Shackle

Galvanised

Sizes available from:

Diameter: 3/16" to 3/4"

METAL
MATE®



U Bolt + 2 Nuts

Zinc Plated

Sizes available from:

Diameter: M8 to M16
Length: 15mm to 150mm

METAL
MATE®

PINS



Dowel Pin

Silver Steel

Sizes available from:

Diameter: 3mm
Length: 10mm to 25mm

METAL
MATE®



Hardened & Ground Dowel Pin

Self Colour

Sizes available from:

Diameter: 4mm to 16mm
Length: 10mm to 100mm

METAL
MATE®



Extractable Dowel Pin

Self Colour

Sizes available from:

Diameter: 6mm to 16mm
Length: 20mm to 80mm

METAL
MATE®



Spring Tension (Sellok Pins)
Self Colour
Sizes available from:
Diameter: **M1.5** to **M12**
Length: **6mm** to **100mm**

**METAL
MATE**



Cotter Pin
Self Colour
Sizes available from:
Diameter: **M2** to **M8**
Length: **16mm** to **100mm**

BS 1574

**METAL
MATE**

RANGE AND RELIABILITY

The Mates range reaches parts of the fastener market ignored by others. A full offering of pins, keys, collars, lifting and clamping products available next day.


LINDAPTER



Support & Cavity Fixings
Type FL Clamp
Type FLS Clamp
Type HC Hemispherical Cups
Type HW Hemispherical Washers
Type LC Lindiclip
Type SW Swivel Assembly
Type WF Webfix
U-Bolts

Hollo-Bolts
Lindibolts


lindapter



Decking & Floor Fixings
Type AW Alphawedge
Type MF
Type MW2 Multiwedge
Type SD2 Slimdeck
Type TC Toggle Clamp
Type TR60 Wedge Fixing
Type VN Vee Nut

Type FF Floorfast
Type GF Grate-Fast

lindapter



Steelwork & Rail Fixings
Type A Clamp
Type AF Clamp
Type AFCW Packing
Type AFW Adaptor Washer
Type B Clamp
Type BSLN Long Nose
Type CF High Slip Resistance Clamp
Type CW Clipped Washer
...& Many More

Type D2 Adjustable Clamp
Type F9 Flange Clamp
Type FC Flush Clamp
Type LR Self
Adjusting Clamp
Type P1 Packing
Type P2 Packing
Type BR Rail Clip

lindapter

MISCELLANEOUS



Terry Hose Clips
Zinc Plated
Sizes available from:
9.5mm to **305mm**

TERRY




Terry Hose Clips (Non-Ferrous)
Stainless Steel
Sizes available from:
8mm to **140mm**

TERRY



Jubilee Hose Clips
Zinc Plated
Sizes available from:
9.5mm to **318mm**

Jubilee




Jubilee Hose Clips (Non-Ferrous)
Stainless Steel
Sizes available from:
9.5mm to **318mm**



Hexagon Hank Rivet Bush
Self Colour
Zinc Plated
Sizes available from:
Diameter: **M3** to **M10**
Length: **10G** to **20G**


Hank



Round Serrated Hank Rivet Bush
Self Colour
Zinc Plated
Sizes available from:
Diameter: **M3** to **M10**
Length: **10G** to **18G**


Hank

THROUGH BOLTS



Through Bolt
Zinc Plated
Hot Dipped Galvanised
Sizes available from:
Diameter: **M6 to M24**
Length: **50mm to 300mm**

**MASON
MATE®**



ETA Approved Through Bolt
Zinc Plated
Sizes available from:
Diameter: **M8 to M20**
Length: **60mm to 220mm**

**ETA
APPROVED**

INDEX
STEEL SYSTEMS



ETA Approved Through Bolt (Non-Ferrous)
A4 Stainless Steel
Sizes available from:
Diameter: **M8 to M20**
Length: **60mm to 220mm**

**ETA
APPROVED**

MKT
STEEL SYSTEMS


HEAVY DUTY ANCHORS



ETA Approved Countersunk Heavy Duty Anchor
Zinc Plated
Sizes available from:
Diameter: **6mm to 12mm**
Length: **10mm to 40mm**

**ETA
APPROVED**

MKT
STEEL SYSTEMS



ETA Approved Heavy Duty Anchor Hexagon Bolt
Zinc Plated
Sizes available from:
Diameter: **12mm to 28mm**
Length: **80mm to 185mm**

**ETA
APPROVED**

MKT
STEEL SYSTEMS



ETA Approved Heavy Duty Anchor Stud
Zinc Plated
Sizes available from:
Diameter: **8mm to 16mm**
Length: **10mm to 70mm**

**ETA
APPROVED**

MKT
STEEL SYSTEMS

SLEEVE, SHIELD & DROP IN WEDGE ANCHORS



Hexagon Nut Sleeve Anchor
Zinc & Yellow
Sizes available from:
Diameter: **6mm to 20mm**
Length: **18mm to 151mm**

**MASON
MATE®**



Hexagon Nut Sleeve Anchor (Non-Ferrous)
A4 Stainless Steel
Sizes available from:
Diameter: **6mm to 20mm**
Length: **18mm to 151mm**

**MASON
MATE®**



Hexagon Loose Bolt Sleeve Anchor
Zinc & Yellow
Sizes available from:
Diameter: **6mm to 20mm**
Length: **18mm to 151mm**

**MASON
MATE®**



Countersunk Head Loose Bolt Sleeve Anchor
Zinc & Yellow
Sizes available from:
Diameter: **6mm to 20mm**
Length: **18mm to 151mm**

**MASON
MATE®**



Loose Bolt Shield Anchor
Zinc & Yellow
Sizes available from:
Diameter: **6mm to 16mm**
Length: **10mm to 75mm**

**MASON
MATE®**



Projecting Shield Anchor
Zinc & Yellow
Sizes available from:
Diameter: **6mm to 16mm**
Length: **10mm to 75mm**

**MASON
MATE®**



Hook Bolt Shield Anchor

Zinc & Yellow

Sizes available from:

Diameter: 6mm to 12mm

Length: 45mm to 75mm

**MASON
MATE®**



Eye Bolt Shield Anchor

Zinc & Yellow

Sizes available from:

Diameter: 6mm to 12mm

Length: 45mm to 75mm

**MASON
MATE®**



Shield Anchor (Shield Only)

Zinc & Yellow

Sizes available from:

Diameter: 6mm to 12mm

Length: 45mm to 75mm

**MASON
MATE®**



Plain Drop In Wedge Anchor

Zinc & Yellow

Sizes available from:

Diameter: M6 to M20

**MASON
MATE®**



Plain Drop In Wedge Anchor (Non-Ferrous)

A4 Stainless Steel

Sizes available from:

Diameter: M6 to M16

**MASON
MATE®**



Lipped Drop In Wedge Anchor

Zinc & Yellow

Sizes available from:

Diameter: M8 & M12

**MASON
MATE®**

MASONRY NAILS & SCREWBOLTS



Masonry Nails

Countersunk

Zinc Plated

Round

Zinc Plated

Sizes available from:

Diameter: 2.5mm to 3.5mm

Length: 25mm to 100mm

**MASON
MATE®**



Hexagon Concrete Screwbolt

Zinc & Yellow

Sizes available from:

Diameter: 8mm to 12mm

Length: 60mm to 200mm

SERBOLT
THE NEW NAME FOR SCREWBOLTS



Hexagon Flange Concrete Screwbolt

Zinc & Yellow

Sizes available from:

Diameter: 6mm

Length: 50mm to 100mm

SERBOLT
THE NEW NAME FOR SCREWBOLTS



Countersunk Torx Concrete Screwbolt

Zinc & Yellow

Sizes available from:

Diameter: 6mm

Length: 50mm to 100mm

SERBOLT
THE NEW NAME FOR SCREWBOLTS



Hexagon Head Screwbolt

Zinc & Yellow

Sizes available from:

Diameter: M6 to M20

Length: 30mm to 200mm

Excalibur®
SCREWBOLTS



Socket Countersunk Screwbolt

Zinc & Yellow

Sizes available from:

Diameter: M6 to M12

Length: 50mm to 150mm

Excalibur®
SCREWBOLTS



Eye Screwbolt

Zinc & Yellow

Sizes available from:

Diameter: 8mm to 12mm

Length: 55mm to 75mm

Excalibur®
SCREWBOLTS



Hook Screwbolt

Zinc & Yellow

Sizes available from:

Diameter: 10mm & 12mm

Length: 65mm & 75mm

Excalibur®
SCREWBOLTS



Scaffold Bolt

Zinc & Yellow

Sizes available from:

Diameter: 12mm

Length: 185mm

Excalibur®
SCREWBOLTS

CHEMICAL RESINS

**MASON
MATE**



Styrene Free Polyester Resin
Sizes available:
 Size: 165ml & 300ml

**ETA
APPROVED**

**MASON
MATE**



Styrene Free Epoxy Acrylate
Sizes available:
 Size: 410ml

**ETA
APPROVED**

**MASON
MATE**



High-Load Vinylster Resin
Sizes available:
 Size: 410ml

**ETA
APPROVED**

**MASON
MATE**




Chemical Resin Guns
 Light Duty
 Heavy Duty
 C4 Heavy Duty

**MASON
MATE**



Chemical Resin Accessories
 Mixer Nozzles
 Hole Cleaning Brushes
 Blow Out Pumps
 Wire Mesh Sleeves
 Nylon Sleeves


**MASON
MATE**



ETA Approved Spin In Capsules
 Vinylster
Sizes available from:
 Diameter: 8mm to 20mm


**ETA
APPROVED**

**MASON
MATE**



Hammer In Capsules
 Vinylster
Sizes available from:
 Diameter: 8mm to 20mm

**MASON
MATE**




Studs
 Zinc & Yellow
 Hot Dipped Galvanised
Sizes available from:
 Diameter: M8 to M24
 Length: 110mm to 300mm

**MASON
MATE**



Studs (Non-Ferrous)
 A2 Stainless Steel
Sizes available from:
 Diameter: M8 to M20
 Length: 110mm to 260mm

**MASON
MATE**



Internal Threaded Sockets
 Zinc Plated
Sizes available from:
 Diameter: M8 to M16


**MASON
MATE**



Internal Threaded Sockets (Non-Ferrous)
 A2 Stainless Steel
Sizes available from:
 Diameter: M8 to M16

**MASON
MATE**

LIGHT DUTY FIXINGS



Frame Fixing
 Nylon - Zinc & Yellow Screw
Sizes available from:
 Diameter: 8mm & 10mm
 Length: 60mm to 160mm

**MASON
MATE**



Hammer Fixing
 Nylon - Zinc & Yellow Screw
 Nylon - Stainless Steel Screw
Sizes available from:
 Diameter: 5mm to 8mm
 Length: 30mm to 135mm

**MASON
MATE**



Window Frame Anchor
 Nylon / Steel
Sizes available from:
 Diameter: 8mm & 10mm
 Length: 75mm to 165mm

**MASON
MATE**



Concrete Screw
Zinc & Yellow
Sizes available from:
Diameter: 7.5mm
Length: 60mm to 150mm


**MASON
MATE®**

RANGE AND RELIABILITY

**MASON
MATE®**

The MasonMate® range is supported by our in-house technical advisors and on-site 'pull-out' testing equipment.

CAVITY FIXINGS



Hollow Wall Anchor
Zinc Plated
Sizes available from:
Diameter: 4mm to 6mm
Length: 20mm to 65mm

ANCHOR SETTING TOOL ALSO AVAILABLE

**MASON
MATE®**



Plasterboard Fixings
Metal
Sizes available from:
Diameter: 4.5mm
Length: 30mm to 45mm

**MASON
MATE®**



Plasterboard Fixings (Nylon)
Nylon
Sizes available from:
Diameter: 4.5mm
Length: 30mm to 45mm

**MASON
MATE®**



Spring Toggle & Screw
Zinc Plated
Sizes available from:
Diameter: 3mm to 6mm
Length: 50mm to 100mm

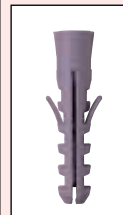
SPRING TOGGLE WINGS ONLY ALSO AVAILABLE

**MASON
MATE®**



Plastic Wall Plugs
Colours available in:
Brown: 7mm x 37mm
Red: 6mm x 30mm
Yellow: 5mm x 25mm
Blue: 10mm x 50mm


**MASON
MATE®**



Nylon Wall Plugs
Type E - Nylon / Grey
Type TPF - Nylon / Grey
Sizes available from:
Diameter: 5mm to 14mm
Length: 25mm to 75mm

**MASON
MATE®**

CABLE TIES



Cable Ties
Black
Neutral
Sizes available from:
Diameter: 2.5mm to 9mm
Length: 100mm to 1030mm

SELF ADHESIVE CABLE TIE HOLDERS ALSO AVAILABLE









**MASON
MATE®**

RANGE AND RELIABILITY




**ETA
APPROVED**

ETA and CE approved products are available for next day delivery.

WOODSCREWS

 <p>Pozi Double Countersunk Twin Thread Woodscrew Zinc Plated Electro Brassed Sizes available from: Diameter: 4SWG to 12SWG Length: 1/2" to 4"</p> <p>CE APPROVED</p> <p>TIMBER MATE</p>	 <p>Pozi Round Head Twin Thread Woodscrew Zinc Plated Sizes available from: Diameter: 4SWG to 10SWG Length: 1/2" to 3"</p> <p>CE APPROVED</p> <p>TIMBER MATE</p>	 <p>Pozi Countersunk Carcass Screw Black Oxide Sizes available from: Diameter: 4mm Length: 32mm & 45mm</p> <p>CE APPROVED</p> <p>TIMBER MATE</p>
 <p>Pozi Double Countersunk Single Thread Woodscrew Zinc Plated Sizes available from: Diameter: 3mm to 6mm Length: 12mm to 150mm</p> <p>CE APPROVED</p> <p>TIMBER MATE</p>	 <p>Pozi Double Countersunk Single Thread Woodscrew (Non-Ferrous) A2 Stainless Steel Sizes available from: Diameter: 3mm to 6mm Length: 12mm to 150mm</p> <p>TIMBER MATE</p>	 <p>Clutch Head Twin Thread Woodscrew Zinc Plated Sizes available from: Diameter: 6SWG to 12SWG Length: 3/4" to 2"</p> <p>TIMBER MATE</p>
 <p>Slotted Round Brass Woodscrew Self Colour Sizes available from: Diameter: 4SWG to 8SWG Length: 1/2" to 1 1/2"</p> <p>TIMBER MATE</p>	 <p>Slotted Countersunk Brass Woodscrew Self Colour Sizes available from: Diameter: 2SWG to 12SWG Length: 1/4" to 3"</p> <p>TIMBER MATE</p>	

DRY WALL SCREWS

 <p>Phillips Recess Bugle Head Drywall Screw Zinc Plated Phosphated Sizes available from: Diameter: 3.5mm & 4.2mm Length: 25mm to 100mm</p> <p>CE APPROVED</p> <p>TIMBER MATE</p>	 <p>Phillips Recess Pan Head Drywall Screw Zinc Plated Sizes available from: Diameter: 4.2mm Length: 13mm</p> <p>CE APPROVED</p> <p>TIMBER MATE</p>	 <p>Phillips Recess Wafer Head Drywall Screw Zinc Plated Sizes available from: Diameter: 4.2mm Length: 13mm</p> <p>CE APPROVED</p> <p>TIMBER MATE</p>
--	--	--



Drywall Nail
Zinc & Yellow
Sizes available from:
Diameter: 2.65mm
Length: 30mm to 40mm

TIMBER MATE

RANGE AND RELIABILITY

**TIMBER
MATE**

The TimberMate® range is designed for the professional trades-person offering:

- Quality
- Reliability
- CE marking
- Value for money

COACHSCREWS



Hexagon Head Coachscrew
 Zinc Plated
 Hot Dipped Galvanised
Sizes available from:
 Diameter: 5mm to 16mm
 Length: 20mm to 300mm



**TIMBER
MATE**

RANGE AND RELIABILITY



The full range of Mates products are available via
 the TradeFast website www.harclo.com
 Try it, its simple and it works!!

CAPS & COVERS



Surface Screw Cup
 Solid Brass
 Brass Nickel Plated
Sizes available from:
 Diameter: 4G to 14G

**TIMBER
MATE**



Pozi Screw Cover Cup
 Black
 Magnolia
 Teak
 White
Sizes available from:
 Diameter: 6G to 14G

C/W WASHER
 ALSO AVAILABLE

**TIMBER
MATE**



Turned Pattern Screw Cup
 Solid Brass
Sizes available from:
 Diameter: 6G to 12G

**TIMBER
MATE**

NAILS



Round Wire Nail
 Bright - Self Colour
 Galvanised
Sizes available from:
 Length: 20mm to 150mm

**TIMBER
MATE**




Round Lost Nail
 Bright - Self Colour
 Galvanised
Sizes available from:
 Length: 20mm to 150mm

**TIMBER
MATE**



Annular Ring Shank Nail
 Bright - Self Colour
 Sheradised
Sizes available from:
 Length: 20mm to 100mm

**TIMBER
MATE**




Clout Head Nail
 Galvanised
Sizes available from:
 Length: 20mm to 100mm

**TIMBER
MATE**



Extra Large Head Clout Head Nail
 Galvanised
Sizes available from:
 Length: 20mm to 100mm

**TIMBER
MATE**



Brudaw Alloy Dowel
 Zinc Plated
Sizes available from:
 Length: 3/4" to 3"

**TIMBER
MATE**

THE TITE RANGE

RANGE AND RELIABILITY

THE TITE RANGE



Deck-Tite
Deck & Outdoor Screw
Net-Coat® Green
Sizes available from:
Diameter: 4.5mm
Length: 25mm to 63mm

CE
APPROVED

Deck
Tite



Deck-Tite Plus
Deck & Outdoor Screw
Net-Coat® Clear - Stainless 316
Sizes available from:
Diameter: 4.5mm
Length: 50mm to 75mm

CE
APPROVED

Deck
Tite
PLUS



Timber-Tite
Heavy Duty Timber Screw
Net-Coat® Green
Sizes available from:
Diameter: 6.5mm
Length: 80mm to 250mm

CE
APPROVED

Timber
Tite



Screw-Tite
All Purpose Screw
Net-Coat® Yellow
Sizes available from:
Diameter: 3mm to 6mm
Length: 12mm to 150mm

CE
APPROVED

Screw
Tite



Tongue-Tite
Tongue & Groove Screw
Net-Coat® Yellow
Sizes available from:
Diameter: 3.5mm
Length: 45mm

CE
APPROVED

Tongue
Tite



Tongue-Tite
Tongue & Groove Screw
Net-Coat® Clear - Stainless 316
Sizes available from:
Diameter: 3.5mm
Length: 32mm to 49mm

CE
APPROVED

Tongue
Tite
PLUS



Floor-Tite
Flooring Screw
Net-Coat® Blue
Sizes available from:
Diameter: 4.2mm
Length: 45mm & 55mm

CE
APPROVED

Floor
Tite



Lost-Tite
Discreet Fix Screw
Net-Coat® Yellow Extra
Sizes available from:
Diameter: 3.5mm
Length: 25mm to 49mm

CE
APPROVED

Lost
Tite



Hinge-Tite
Hinge Screw
Net-Coat® Brass
Net-Coat® Chrome
Sizes available from:
Diameter: 4mm & 4.5mm
Length: 25mm to 40mm

CE
APPROVED

Hinge
Tite



MDF-Tite
MDF Screw
Net-Coat® Yellow
Sizes available from:
Diameter: 3.9mm
Length: 25mm to 45mm

MDF
Tite

RANGE AND RELIABILITY
















The award winning Tite®-Range is acknowledged as the most complete application specific offering on the market...but don't just take our word for it.

"It is simply very satisfying to have the work go well because you chose the best screw for the job - whether it be finish, head size or driving head." by Peter Brett / Tool Business + Hire magazine

STAINLESS STEEL RANGE

RANGE AND RELIABILITY

STAINLESS STEEL RANGE

 <p>Hexagon Head Bolt A2 Stainless Steel Sizes available from: Diameter: M6 to M24 Length: 25mm to 150mm</p> <p>METAL MATE®</p> <p>DIN 931</p>	 <p>Hexagon Head Setscrew A2 Stainless Steel A4 Stainless Steel Sizes available from: Diameter: M3 to M24 Length: 6mm to 200mm</p> <p>METAL MATE®</p> <p>DIN 933</p>	 <p>Cup Square Hexagon Bolt & Nut A2 Stainless Steel Sizes available from: Diameter: M6 to M20 Length: 16mm to 400mm</p> <p>METAL MATE®</p> <p>DIN 603/555</p>
 <p>All Thread A2 Stainless Steel A4 Stainless Steel Sizes available from: Diameter: M3 to M30 Length: 300mm to 3mtr</p> <p>METAL MATE®</p>	 <p>Hexagon Socket Cap Screw A2 Stainless Steel Sizes available from: Diameter: M2.5 to M416 Length: 6mm to 160mm</p> <p>METAL MATE®</p> <p>DIN 912</p>	 <p>Hexagon Socket Dome Screw A2 Stainless Steel Sizes available from: Diameter: M3 to M12 Length: 6mm to 80mm</p> <p>METAL MATE®</p> <p>ISO: 7380</p>
 <p>Hexagon Socket Countersunk Screw A2 Stainless Steel Sizes available from: Diameter: M3 to M16 Length: 6mm to 100mm</p> <p>METAL MATE®</p> <p>DIN 7991</p>	 <p>Hexagon Socket Setscrew A2 Stainless Steel Sizes available from: Diameter: M3 to M12 Length: 2mm to 60mm</p> <p>METAL MATE®</p> <p>DIN 916</p>	 <p>Hexagon Full Nut A2 Stainless Steel A4 Stainless Steel Sizes available from: Diameter: M2 to M30</p> <p>METAL MATE®</p> <p>DIN 934</p>
 <p>Hexagon Lock Nut A2 Stainless Steel Sizes available from: Diameter: M4 to M320</p> <p>METAL MATE®</p> <p>DIN 439B</p>	 <p>Hexagon Nylon Insert Nut Type T A2 Stainless Steel A4 Stainless Steel Sizes available from: Diameter: M3 to M24</p> <p>METAL MATE®</p> <p>DIN 985</p>	 <p>Hexagon Dome Nut A2 Stainless Steel Sizes available from: Diameter: M4 to M20</p> <p>METAL MATE®</p> <p>DIN 1587</p>
 <p>Wing Nut A2 Stainless Steel Sizes available from: Diameter: M5 to M16</p> <p>METAL MATE®</p> <p>ANSI: B18.17</p>	 <p>Plain Washer Form A A2 Stainless Steel A4 Stainless Steel Sizes available from: Diameter: 3mm to 30mm</p> <p>METAL MATE®</p> <p>DIN 125</p>	 <p>Plain Washer Form B A2 Stainless Steel A4 Stainless Steel Sizes available from: Diameter: 6mm to 24mm</p> <p>METAL MATE®</p> <p>BS 4320</p>



Plain Washer Form C

BS 4320

A2 Stainless Steel

Sizes available from:
Diameter: 4mm to 20mm

METAL
MATE®



Square Section Spring Washer

DIN 7980

A2 Stainless Steel
A4 Stainless Steel

Sizes available from:
Diameter: 3mm to 24mm

METAL
MATE®



Rectangular Section Spring Washer

DIN 1278

A2 Stainless Steel

Sizes available from:
Diameter: 5mm to 16mm

METAL
MATE®



Repair Washer

A2 Stainless Steel

Sizes available from:
Diameter: 5mm to 12mm

METAL
MATE®



Internal Shakeproof Washer

DIN 6798

A2 Stainless Steel

Sizes available from:
Diameter: 4mm to 24mm

METAL
MATE®



Crinkle Washer

A2 Stainless Steel

Sizes available from:
Diameter: 4mm to 12mm

METAL
MATE®



Slotted Countersunk Machine Screw

DIN 963

A2 Stainless Steel

Sizes available from:
Diameter: M3 to M10
Length: 6mm to 100mm

METAL
MATE®



Slotted Pan Head Machine Screw

DIN 85

A2 Stainless Steel

Sizes available from:
Diameter: M3 to M8
Length: 56mm to 80mm

METAL
MATE®



Pozi Countersunk Machine Screw

DIN 965

A2 Stainless Steel

Sizes available from:
Diameter: M3 to M8
Length: 5mm to 50mm

METAL
MATE®



Pozi Pan Head Machine Screw

DIN 7985

A2 Stainless Steel

Sizes available from:
Diameter: M3 to M8
Length: 6mm to 50mm

METAL
MATE®



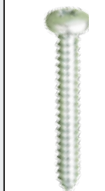
Pozi Countersunk Self Tapping Screw (AB)

DIN 7982C/Z

A2 Stainless Steel

Sizes available from:
Diameter: 4swg to 14swg
Length: 3/8" to 2"

METAL
MATE®



Pozi Pan Head Self Tapping Screw (AB)

DIN 7981

A2 Stainless Steel

Sizes available from:
Diameter: 4swg to 14swg
Length: 1/4" to 2"

METAL
MATE®



Dome Rivet

Stainless Steel

Sizes available from:
Diameter: 3.0mm to 6.4mm

Dome Head
Standard low-profile
head, suitable for
most applications.

SARIV



Countersunk Rivet

Stainless Steel

Sizes available from:
Diameter: 3.2mm to 4.8mm

Countersunk
120° head design.
Used wherever a flush
surface is required.

SARIV



Dome Head Rivet Nut

A2 Stainless Steel

Sizes available from:
Diameter: M4 to M8

SARIV



Terry Hose Clips

Stainless Steel

Sizes available from:
8mm to 140mm

TERRY



Jubilee Hose Clips

Stainless Steel

Sizes available from:
9.5mm to 318mm

Jubilee



ETA Approved Through Bolt

A4 Stainless Steel

Sizes available from:
Diameter: M8 to M20
Length: 60mm to 220mm



Hexagon Nut Sleeve Anchor

A4 Stainless Steel

Sizes available from:
Diameter: 6mm to 20mm
Length: 18mm to 151mm

**MASON
MATE**



Plain Drop In Wedge Anchor

A4 Stainless Steel

Sizes available from:
Diameter: M6 to M16

**MASON
MATE**



Studs

A2 Stainless Steel

Sizes available from:
Diameter: M8 to M20
Length: 110mm to 260mm

**MASON
MATE**



Internal Threaded Sockets

A2 Stainless Steel

Sizes available from:
Diameter: M8 to M16

**MASON
MATE**



Hammer Fixing

Nylon - Stainless Steel Screw

Sizes available from:
Diameter: 6mm to 8mm
Length: 40mm to 100mm

**MASON
MATE**



Pozi Double Countersunk Single Thread Woodscrew

A2 Stainless Steel

Sizes available from:
Diameter: 3mm to 5mm
Length: 12mm to 100mm

**TIMBER
MATE**



Deck-Tite Plus

Deck & Outdoor Screw

Net-Coat® Clear - Stainless 316

Sizes available from:
Diameter: 4.5mm
Length: 50mm to 75mm



**Deck
Tite
PLUS**



Tongue-Tite

Tongue & Groove Screw

Net-Coat® Clear - Stainless 316

Sizes available from:
Diameter: 3.5mm
Length: 32mm to 49mm



**Tongue
Tite
PLUS**


RANGE AND RELIABILITY

**Stainless Steel: A pleasantly
surprising range...at reassuring prices.
All available next day.**

BRASS & NYLON RANGE


RANGE AND RELIABILITY

BRASS RANGE




Hexagon Head Setscrew **DIN 933**
 Brass
Sizes available from:
 Diameter: **M4 to M16**
 Length: **10mm to 75mm**

METAL MATE®




All Thread
 Brass
Sizes available from:
 Diameter: **M4 to M20**
 Length: **1mtr**

METAL MATE®




Hexagon Full Nut **DIN 934**
 Brass
Sizes available from:
 Diameter: **M2.5 to M24**

METAL MATE®




Hexagon Lock Nut **DIN 439B**
 Brass
Sizes available from:
 Diameter: **M4 to M20**

METAL MATE®




Plain Washer Form A **DIN 125**
 Brass
Sizes available from:
 Diameter: **3mm to 20mm**

METAL MATE®




Plain Washer Form B **BS 4320**
 Brass
Sizes available from:
 Diameter: **6mm to 20mm**

METAL MATE®



Slotted Countersunk Machine Screw **DIN 963**
 Brass
Sizes available from:
 Diameter: **M3 to M8**
 Length: **6mm to 50mm**

METAL MATE®



Slotted Pan Head Machine Screw **DIN 85**
 Brass
Sizes available from:
 Diameter: **M3 to M6**
 Length: **6mm to 50mm**

METAL MATE®



Slotted Cheese Machine Screw **DIN 84**
 Brass
Sizes available from:
 Diameter: **M3 to M6**
 Length: **6mm to 30mm**

METAL MATE®




Slotted Round Brass Woodscrews
 Self Colour
Sizes available from:
 Diameter: **4swg to 8swg**
 Length: **1/2" to 1.1/2"**

TIMBER MATE®




Slotted Countersunk Brass Woodscrews
 Self Colour
Sizes available from:
 Diameter: **2swg to 12swg**
 Length: **1/4" to 3"**

TIMBER MATE®



Surface Screw Cup
 Solid Brass
Sizes available from:
 Diameter: **4G to 14G**


TIMBER MATE®




Turned Pattern Screw Cup
 Solid Brass
Sizes available from:
 Diameter: **6G to 12G**

TIMBER MATE®













RANGE AND RELIABILITY



The Mates brass range: as good a range as the non-ferrous 'specialists' offering are.



NYLON RANGE

 <p>Hexagon Head Setscrew DIN 933</p> <p>Nylon</p> <p>Sizes available from: Diameter: M5 to M16 Length: 16mm to 55mm</p> <p>METAL MATE®</p>	 <p>All Thread Mild Steel All Thread</p> <p>Nylon</p> <p>Sizes available from: Diameter: M6 to M12 Length: 1mtr</p> <p>METAL MATE®</p>	 <p>Hexagon Full Nut DIN 934</p> <p>Nylon</p> <p>Sizes available from: Diameter: M3 to M12</p> <p>METAL MATE®</p>
 <p>Plain Washer Form A DIN 125</p> <p>Nylon</p> <p>Sizes available from: Diameter: 2.5mm to 24mm</p> <p>METAL MATE®</p>	 <p>Frame Fixing</p> <p>Nylon - Zinc & Yellow Screw</p> <p>Sizes available from: Diameter: 8mm & 10mm Length: 60mm to 160mm</p> <p>MASON MATE®</p>	 <p>Hammer Fixing</p> <p>Nylon - Zinc & Yellow Screw Nylon - Stainless Steel Screw</p> <p>Sizes available from: Diameter: 5mm to 8mm Length: 30mm to 135mm</p> <p>MASON MATE®</p>
 <p>Window Frame Anchor</p> <p>Nylon / Steel</p> <p>Sizes available from: Diameter: 8mm & 10mm Length: 75mm to 165mm</p> <p>MASON MATE®</p>	 <p>Plasterboard Fixings</p> <p>Nylon</p> <p>Sizes available from: Diameter: 4.5mm Length: 30mm to 45mm</p> <p>MASON MATE®</p>	 <p>Plastic Wall Plugs</p> <p>Colours available in: Brown: 7mm x 37mm Red: 6mm x 30mm Yellow: 5mm x 25mm Blue: 10mm x 50mm</p> <p>TIMBER MATE®</p>
 <p>Nylon Wall Plugs</p> <p>Type E - Nylon / Grey Type TPF - Nylon / Grey</p> <p>Sizes available from: Diameter: 5mm to 14mm Length: 25mm to 75mm</p> <p>TIMBER MATE®</p>	 <p>Cable Ties</p> <p>Black Neutral</p> <p>Sizes available from: Diameter: 2.5mm to 9mm Length: 100mm to 1030mm</p> <p>SELF ADHESIVE CABLE TIE HOLDERS ALSO AVAILABLE</p> <p>TIMBER MATE®</p>	 <p>Pozi Screw Cover Cup</p> <p>Black Magnolia Teak White</p> <p>Sizes available from: Diameter: 6G to 14G</p> <p>C/W WASHER ALSO AVAILABLE</p> <p>TIMBER MATE®</p>

RANGE AND RELIABILITY

The Mates range: more than just carbon steel fasteners.

METAL MATE®
















MASON MATE®
















TIMBER MATE®










CERTIFIED RANGE

RANGE AND RELIABILITY

CERTIFIED RANGE

 <p>Hexagon Head Bolt 8.8 DIN 931</p> <p>Self Colour Zinc Plated Hot Dipped Galvanised</p> <p>Sizes available from: Diameter: M4 to M56 Length: 8mm to 600mm</p> <p>3.1 CERTIFICATION AVAILABLE</p> <p>METAL MATE®</p>	 <p>Hexagon Head Bolt 8.8 Fine Pitch DIN 960</p> <p>Self Colour</p> <p>Sizes available from: Diameter: M10 to M24 Length: 40mm to 200mm</p> <p>3.1 CERTIFICATION AVAILABLE</p> <p>METAL MATE®</p>	 <p>Hexagon Head Bolt 10.9 DIN 931</p> <p>Self Colour Zinc Plated</p> <p>Sizes available from: Diameter: M6 to M56 Length: 30mm to 760mm</p> <p>3.1 CERTIFICATION AVAILABLE</p> <p>METAL MATE®</p>
 <p>Hexagon Head Setscrew 8.8 DIN 933</p> <p>Self Colour Zinc Plated Hot Dipped Galvanised</p> <p>Sizes available from: Diameter: M3 to M48 Length: 6mm to 400mm</p> <p>3.1 CERTIFICATION AVAILABLE</p> <p>METAL MATE®</p> <p>UNC / UNF / BSW / BSF SIZING ALSO AVAILABLE</p>	 <p>Hexagon Head Setscrew 8.8 Fine Pitch DIN 961</p> <p>Self Colour</p> <p>Sizes available from: Diameter: M8 to M24 Length: 16mm to 100mm</p> <p>3.1 CERTIFICATION AVAILABLE</p> <p>METAL MATE®</p>	 <p>Hexagon Head Setscrew 10.9 DIN 933</p> <p>Self Colour Zinc Plated</p> <p>Sizes available from: Diameter: M5 to M36 Length: 10mm to 200mm</p> <p>3.1 CERTIFICATION AVAILABLE</p> <p>METAL MATE®</p>
 <p>Hexagon Socket Cap Screw 12.9 DIN 912</p> <p>Self Colour Zinc Plated</p> <p>Sizes available from: Diameter: M2 to M48 Length: 4mm to 400mm</p> <p>3.1 CERTIFICATION AVAILABLE</p> <p>METAL MATE®</p>	 <p>Hexagon Socket Dome Screw 10.9 ISO: 7380</p> <p>Self Colour Zinc Plated</p> <p>Sizes available from: Diameter: M3 to M16 Length: 5mm to 120mm</p> <p>3.1 CERTIFICATION AVAILABLE</p> <p>METAL MATE®</p>	 <p>Hexagon Socket Countersunk Screw 10.9 DIN 7991</p> <p>Self Colour Zinc Plated</p> <p>Sizes available from: Diameter: M3 to M24 Length: 6mm to 200mm</p> <p>3.1 CERTIFICATION AVAILABLE</p> <p>METAL MATE®</p>
 <p>Assembled Bolting 8.8 EN: 15048-1:2007</p> <p>Zinc Plated Hot Dipped Galvanised</p> <p>Sizes available from: Diameter: M12 to M24 Length: 30mm to 90mm</p> <p>CE APPROVED</p> <p>METAL MATE®</p>	 <p>Cup Square Hexagon Bolt & Nut 4.8 DIN 603/555</p> <p>Zinc Plated Hot Dipped Galvanised</p> <p>Sizes available from: Diameter: M6 to M20 Length: 16mm to 400mm</p> <p>ALL ZINC PLATED LENGTHS UPTO & INCLUDING 150MM ARE FULLY THREADED</p> <p>CE APPROVED</p> <p>METAL MATE®</p>	 <p>Pozi Double Countersunk Twin Thread Woodscrew</p> <p>Zinc Plated Electro Brassed</p> <p>Sizes available from: Diameter: 4swg to 12swg Length: 1/2" to 4"</p> <p>CE APPROVED</p> <p>TIMBER MATE®</p>
 <p>Pozi Round Head Twin Thread Woodscrew</p> <p>Zinc Plated</p> <p>Sizes available from: Diameter: 4swg to 10swg Length: 1/2" to 3"</p> <p>CE APPROVED</p> <p>TIMBER MATE®</p>	 <p>Pozi Countersunk Carcass Screw</p> <p>Black Oxide</p> <p>Sizes available from: Diameter: 4mm Length: 32mm & 45mm</p> <p>CE APPROVED</p> <p>TIMBER MATE®</p>	 <p>Pozi Double Countersunk Single Thread Woodscrew</p> <p>Zinc Plated</p> <p>Sizes available from: Diameter: 3mm to 6mm Length: 12mm to 150mm</p> <p>CE APPROVED</p> <p>TIMBER MATE®</p>

 <p>Phillips Recess Bugle Head Drywall Screws Zinc Plated Phosphated Sizes available from: Diameter: 3.5mm & 4.2mm Length: 25mm to 100mm</p> <p>CE APPROVED</p> <p>TIMBER MATE</p>	 <p>Phillips Recess Pan Head Drywall Screws Zinc Plated Sizes available from: Diameter: 4.2mm Length: 13mm</p> <p>CE APPROVED</p> <p>TIMBER MATE</p>	 <p>Phillips Recess Wafer Head Drywall Screws Zinc Plated Sizes available from: Diameter: 4.2mm Length: 13mm</p> <p>CE APPROVED</p> <p>TIMBER MATE</p>
 <p>Hexagon Head Coachscrew Zinc Plated Hot Dipped Galvanised Sizes available from: Diameter: 5mm to 16mm Length: 20mm to 300mm</p> <p>CE APPROVED</p> <p>TIMBER MATE</p>	 <p>Deck-Tite Deck & Outdoor Screw Net-Coat® Green Sizes available from: Diameter: 4.5mm Length: 25mm to 63mm</p> <p>CE APPROVED</p> <p>Deck Tite</p>	 <p>Deck-Tite Plus Deck & Outdoor Screw Net-Coat® Clear - Stainless 316 Sizes available from: Diameter: 4.5mm Length: 50mm to 75mm</p> <p>CE APPROVED</p> <p>Deck Tite PLUS</p>
 <p>Timber-Tite Heavy Duty Timber Screw Net-Coat® Green Sizes available from: Diameter: 6.5mm Length: 80mm to 250mm</p> <p>CE APPROVED</p> <p>Timber Tite</p>	 <p>Screw-Tite All Purpose Screw Net-Coat® Yellow Sizes available from: Diameter: 3mm to 6mm Length: 12mm to 150mm</p> <p>CE APPROVED</p> <p>Screw Tite</p>	 <p>Tongue-Tite Tongue & Groove Screw Net-Coat® Yellow Sizes available from: Diameter: 3.5mm Length: 45mm</p> <p>CE APPROVED</p> <p>Tongue Tite</p>
 <p>Tongue-Tite Tongue & Groove Screw Net-Coat® Clear - Stainless 316 Sizes available from: Diameter: 3.5mm Length: 32mm to 49mm</p> <p>CE APPROVED</p> <p>Tongue Tite PLUS</p>	 <p>Floor-Tite Flooring Screw Net-Coat® Blue Sizes available from: Diameter: 4.2mm Length: 45mm & 55mm</p> <p>CE APPROVED</p> <p>Floor Tite</p>	 <p>Lost-Tite Discreet Fix Screw Net-Coat® Yellow Extra Sizes available from: Diameter: 3.5mm Length: 25mm to 49mm</p> <p>CE APPROVED</p> <p>Lost Tite</p>
 <p>Hinge-Tite Hinge Screw Net-Coat® Brass Net-Coat® Chrome Sizes available from: Diameter: 4mm & 4.5mm Length: 25mm to 40mm</p> <p>CE APPROVED</p> <p>Hinge Tite</p>	 <p>ETA Approved Through Bolt Zinc Plated Sizes available from: Diameter: M8 to M20 Length: 60mm to 220mm</p> <p>ETA APPROVED</p> <p>INDEX FIXING SYSTEMS</p>	 <p>ETA Approved Through Bolt (Alloy) A4 Stainless Steel Sizes available from: Diameter: M8 to M20 Length: 60mm to 220mm</p> <p>ETA APPROVED</p> <p>MKT ... a better connection</p>

 <p>ETA Approved Countersunk Heavy Duty Anchor Zinc Plated <i>Sizes available from:</i> Diameter: 6mm to 12mm Length: 10mm to 40mm</p> <p>ETA APPROVED</p> <p>MKT A BARNES CONNECTION</p>	 <p>ETA Approved Heavy Duty Anchor Hexagon Bolt Zinc Plated <i>Sizes available from:</i> Diameter: 12mm to 28mm Length: 80mm to 185mm</p> <p>ETA APPROVED</p> <p>MKT A BARNES CONNECTION</p>	 <p>ETA Approved Heavy Duty Anchor Stud Zinc Plated <i>Sizes available from:</i> Diameter: 8mm to 16mm Length: 10mm to 70mm</p> <p>ETA APPROVED</p> <p>MKT A BARNES CONNECTION</p>
 <p>Styrene Free Polyester Resin <i>Sizes available:</i> Size: 165ml & 300ml</p> <p>ETA APPROVED</p> <p>MASON MATE®</p>	 <p>Styrene Free Epoxy Acrylate <i>Sizes available:</i> Size: 410ml</p> <p>ETA APPROVED</p> <p>MASON MATE®</p>	 <p>High-Load Vinylster Resin <i>Sizes available:</i> Size: 410ml</p> <p>ETA APPROVED</p> <p>MASON MATE®</p>
 <p>ETA Approved Spin In Capsules Vinylester <i>Sizes available from:</i> Diameter: 8mm to 20mm</p> <p>ETA APPROVED</p> <p>MASON MATE®</p>	 <p>Hexagon Full Nut Grade 8 DIN 934 Self Colour Zinc Plated Galvanised <i>Sizes available from:</i> Diameter: M6 to M52</p> <p>IND. INDEPENDENTLY TESTED</p> <p>UNC / UNF / BSW / BSF SIZING ALSO AVAILABLE</p> <p>METAL MATE®</p>	 <p>Hexagon Full Nut Grade 10 DIN 934 Self Colour Zinc Plated <i>Sizes available from:</i> Diameter: M6 to M52</p> <p>IND. INDEPENDENTLY TESTED</p> <p>METAL MATE®</p>

THE MATES RANGE HAS AN INTEGRITY AND A NAME WE ARE PROUD OF - IT APPEARS ON ALL OUR PACKAGING



TECHNICAL INFORMATION

RANGE AND RELIABILITY

TECHNICAL INFORMATION

Washer Dimension Chart

IMPERIAL										METRIC										BA				
Bright					Black					Bright					Black					BA				
INS	T3 L.P	T3 H.P	T4 L.P	T4 H.P	T8	T7						MM	A H.P	B L.P	C H.P	D L.P	E	F	G					
																					B.A.	T1 SMALL	T2 LARGE	
3/32			5/16	5/16								2	5.0								0	.500	.625	
1/8	5/16	5/16	3/8	3/8								2.5	6.0								1	.443	.565	
5/32	3/8	3/8	7/16	7/16								3	7.0								2	.391	.500	
3/16	7/16	7/16	1/2	1/2		1/2						4	9.0		10.0						3	.341	.432	
1/4	9/16	9/16	5/8	5/8	3/4	5/8						5	10.0	10.0	12.5		10.0		15.0		4	.301	.378	
5/16	5/8	5/8	3/4	3/4	7/8	3/4						6	12.5	12.5	14	14	12.5		18		5	.268	.335	
3/8	3/4	3/4	7/8	7/8	1"	7/8						7	14								6	.233	.288	
7/16	7/8	7/8	1"	1"	1 1/8	1"						8	17	17	21	21	17	21	24		7	.208	.257	
1/2	1"	1"	1 1/8	1 1/8	1 1/4	1 1/8						10	21	21	24	24	21	24	30		8	.185	.228	
9/16	1 1/8	1 1/8	1 1/4	1 1/4	1 3/8	1 1/4						12	24	24	28	28	24	28	36		10		.176	
5/8	1 1/4	1 1/4	1 3/8	1 3/8	1 1/2	1 3/8						14	28	28	30	30	28	30	42					
3/4	1 1/2	1 1/2	1 5/8	1 5/8	1 3/4	1 5/8						16	30	30	34	34	30	34	48					
7/8	1 5/8	1 5/8	1 7/8	1 7/8	2"	1 7/8						18	34	34	37	37	34	37	54					
1"	1 7/8	1 7/8	2 1/8	2 1/8	2 1/4	2 1/8						20	37	37	39	39	37	39	60					
1 1/8	2 1/8	2 1/8	2 3/8	2 3/8	2 1/2	2 3/8						22	39	39			39	44	66					
1 1/4	2 3/8	2 3/8	2 5/8	2 5/8	2 3/4	2 5/8						24	44	44	50	50	44	50	72					
1 3/8	2 5/8	2 5/8	2 7/8	2 7/8	3"	2 7/8						27	50	50			50	56	81					
1 1/2	2 7/8	2 7/8	3 1/8	3 1/8	3 1/4	3 1/8						30	56	56			56	60	90					
1 5/8					3 1/2	3 3/8						33	60	60			60	66	99					
1 3/4	3 3/8	3 3/8	3 5/8	3 5/8	3 3/4	3 5/8						36	66	66			66	72	108					
2"	3 5/8	3 5/8	4 1/8	4 1/8	4 1/4	4 1/8						39	72	72			72	77	117					
												42					77	78						
												48					92	92						
												56					105							
												64					115							

Gauges
S.W.G.

No.	INS	MM
25	.020	0.50
24	.022	0.55
23	.024	0.60
22	.028	0.70
21	.032	0.80
20	.036	0.90
19	.040	1.01
18	.048	1.21
17	.056	1.42
16	.064	1.62
15	.072	1.82
14	.080	2.02
13	.092	2.33
12	.104	2.63
11	.116	2.93
10	.128	3.24
9	.144	3.64
8	.160	4.05
7	.176	4.45
6	.192	4.90
5	.212	5.36

Equivalents

M2	5/64"	No. 4	2.9mm	30mm	1.1/4"
M3	1/8"	No. 6	3.5mm	40mm	1.1/2"
M4	5/32"	No. 8	4.2mm	50mm	2"
M5	3/16"	No. 10	4.8mm	65mm	2.1/2"
M6	1/4"	No. 12	5.5mm	75mm	3"
M8	5/16"	No. 14	6.3mm	90mm	3.1/2"
M10	3/8"	No. 16	7.0mm	100mm	4"
M12	1/2"			125mm	5"
M14	9/16"			150mm	6"
M16	5/8"				
M18	11/16"				
M20	3/4"				
M22	7/8"				
M24	1"				
M27	1.1/8"				
M30	1.1/4"				

1ft = 12" = 300mm

2ft = 24" = 600mm

3ft = 36" = 900mm

6ft = 72" = 1800mm

10ft = 120" = 3000mm

10BA = 1/16 = 1.5mm

8BA = 3/32 = 2.5mm

6BA = 1/8 = 3.0mm

4BA = 9/64 = 3.5mm

2BA = 3/16 = 5.0mm

0BA = 1/4 = 6.0mm

Standard Thread Lengths

Cup Square Hexagon

Up to & including 150mm length will be T.T.H.

(threaded to head)

Above 150cm long = 150mm of thread

e.g. M10 x 160mm cup square hexagon will have 10mm of plain shank.

Socket Dome Screws

Grade 10.9 will be T.T.H.

(threaded to head)

For Socket Cap and Socket Countersunk

Please see manufacturers specifications.

DIN 931 Hexagon Head Bolts

Metric up to 120mm long = 2 x dia + 6mm

e.g. M10 x 75 will have 26mm of thread!

2 x 10mm = 20mm + 6mm = 26mm

125mm - 200mm long = 2 x dia + 12mm

Over 200mm long = 2 x dia + 25mm

High Tensile Head Diameter & Torque Information

Product No.	Material	Grade <small>Bolts & Set Screws</small>	Thread	Diameter <small>Bolts, Set Screws & Hex Nuts</small>	Standard No. <small>Bolts & Set Screws</small>	Pitch / TPI <small>Bolts, Set Screws & Hex Nuts</small>	Across Flats <small>Bolts, Set Screws & Hex Nuts</small>	Tightening Torque (Self Colour)	Tightening Torque (Zinc Plated)
0318M	High Tensile	8.8	Metric	M4	DIN 933	0.70 PITCH	7mm A/F	3.4Nm	2.5Nm
0317M	High Tensile	8.8	Metric	M5	DIN 931/933	0.80 PITCH	8mm A/F	6.9Nm	5.175Nm
0317M	High Tensile	8.8	Metric	M6	DIN 931/933	1.00 PITCH	10mm A/F	11.7Nm	8.77Nm
0317M	High Tensile	8.8	Metric	M8	DIN 931/933	1.25 PITCH	13mm A/F	28Nm	21Nm
0317M	High Tensile	8.8	Metric	M10	DIN 931/933	1.50 PITCH	17mm A/F	56Nm	42Nm
0317M	High Tensile	8.8	Metric	M12	DIN 931/933	1.75 PITCH	19mm A/F	98Nm	73.5Nm
0317M	High Tensile	8.8	Metric	M14	DIN 931/933	2.00 PITCH	22mm A/F	141Nm	105Nm
0317M	High Tensile	8.8	Metric	M16	DIN 931/933	2.00 PITCH	24mm A/F	244Nm	183Nm
0317M	High Tensile	8.8	Metric	M18	DIN 931/933	2.50 PITCH	27mm A/F	295Nm	221Nm
0317M	High Tensile	8.8	Metric	M20	DIN 931/933	2.50 PITCH	30mm A/F	476Nm	357Nm
0317M	High Tensile	8.8	Metric	M22	DIN 931/933	2.50 PITCH	32mm A/F	570Nm	455Nm
0317M	High Tensile	8.8	Metric	M24	DIN 931/933	3.00 PITCH	36mm A/F	822Nm	616.5Nm
0317M	High Tensile	8.8	Metric	M27	DIN 931/933	3.00 PITCH	41mm A/F	980Nm	735Nm
0317M	High Tensile	8.8	Metric	M30	DIN 931/933	3.50 PITCH	46mm A/F	1,633Nm	1,225Nm
0317M	High Tensile	8.8	Metric	M33	DIN 931/933	3.50 PITCH	50mm A/F	1,970Nm	1,570Nm
0317M	High Tensile	8.8	Metric	M36	DIN 931/933	4.00 PITCH	55mm A/F	2,854Nm	2,141Nm

Pozidriv Screwdriver Point Size and Screw Gauge Combination

Screwdriver Point Size	Woodscrew Gauge
1	2 to 4
2	5 to 10
3	12 to 14
4	16+

Stainless Steel Grading

A2 - 18/8 - 302 Stainless Steel

A4 - 18/10/3 - 316 Stainless Steel

Grade 70 = 700 Newtons/mm² = Grade 7.7 approx

Grade 80 = 800 Newtons/mm² = Grade 8.8 approx

Thread Data

No. of threads per inch			No. of threads per inch			Thread Pitch			
Nominal Size	B.S.W	B.S.F	Nominal Size	U.N.C	U.N.F	Metric	Course	Fine	Extra Fine
1/4"	20	26	1/4"	20	28	M3	0.50	-	-
5/16"	18	22	5/16"	18	24	M4	0.70	-	-
3/8"	16	20	3/8"	16	24	M5	0.80	-	-
7/16"	14	18	7/16"	14	20	M6	1.00	-	-
1/2"	12	16	1/2"	13	20	M8	1.25	1.00	-
9/16"	12	16	9/16"	12	18	M10	1.50	1.25	1.00
5/8"	11	14	5/8"	11	18	M12	1.75	1.50	1.25
3/4"	10	12	3/4"	10	16	M14	2.00	1.50	-
7/8"	9	11	7/8"	9	14	M16	2.00	1.50	-
1"	8	10	1"	8	12	M18	2.50	2.00	1.50
1.1/8"	7	9	1.1/8"	7	12	M20	2.50	2.00	1.50
1.1/4"	7	9	1.1/4"	7	12	M22	2.50	2.00	1.50
1.3/8"	6	8	1.3/8"	6	12	M24	3.00	2.00	1.50
1.1/2"	6	8	1.1/2"	6	12	M27	3.00	2.00	1.50
1.3/4"	5	7	1.3/4"	5	-	M30	3.50	2.00	1.50
2"	4.5	7	2"	4.5	-	M33	3.50	2.00	1.50
2.1/4"	4	6	2.1/4"	4.5	-	M36	4.00	3.00	1.50
2.1/2"	4	6	2.1/2"	4	-	M39	4.00	3.00	1.50
2.3/4"	3.5	6	2.3/4"	4	-	M42	4.50	3.00	1.50
3"	3.5	5	3"	4	-	M45	4.50	3.00	1.50
3.1/4"	3.25	5	3.1/4"	4	-	M48	5.00	3.00	1.50
3.1/2"	3.25	4.5	3.1/2"	4	-	M52	5.00	3.00	1.50
4"	3	4.5	4"	4	-	M56	5.50	4.00	2.00
4.1/2"	2.875	-				M60	5.50	4.00	2.00
5"	2.75	-				M64	6.00	4.00	2.00
5.1/2"	2.75	-				M68	6.00	4.00	2.00
6"	2.5	-				M72	6.00	4.00	2.00
						M76	6.00	4.00	2.00
						M80	6.00	4.00	2.00
						M85	6.00	4.00	2.00
						M90	6.00	4.00	2.00
						M100	6.00	4.00	2.00

Hexagon Drive Sizes For Socket Cap Screws

Category	Grade	Standard	Diameter	Wrench Key
Skt Cap Screw	12.9	DIN 912	M2	1.5mm
Skt Cap Screw	12.9	DIN 912	M2.5	2mm
Skt Cap Screw	12.9	DIN 912	M3	2.5mm
Skt Cap Screw	12.9	DIN 912	M4	3mm
Skt Cap Screw	12.9	DIN 912	M5	4mm
Skt Cap Screw	12.9	DIN 912	M6	5mm
Skt Cap Screw	12.9	DIN 912	M8	6mm
Skt Cap Screw	12.9	DIN 912	M10	8mm
Skt Cap Screw	12.9	DIN 912	M12	10mm
Skt Cap Screw	12.9	DIN 912	M14	12mm
Skt Cap Screw	12.9	DIN 912	M16	14mm
Skt Cap Screw	12.9	DIN 912	M20	17mm
Skt Cap Screw	12.9	DIN 912	M24	19mm
Skt Cap Screw	12.9	DIN 912	M30	22mm
Skt Cap Screw	12.9	DIN 912	M36	27mm

Hexagon Drive Sizes For Socket Dome (Button) Screws

Category	Grade	Standard	Diameter	Wrench Key
Skt Dome Screw	10.9	ISO 7380	M3	2mm
Skt Dome Screw	10.9	ISO 7380	M4	2.5mm
Skt Dome Screw	10.9	ISO 7380	M5	3mm
Skt Dome Screw	10.9	ISO 7380	M6	4mm
Skt Dome Screw	10.9	ISO 7380	M8	5mm
Skt Dome Screw	10.9	ISO 7380	M10	6mm
Skt Dome Screw	10.9	ISO 7380	M12	8mm
Skt Dome Screw	10.9	ISO 7380	M16	10mm

Hexagon Drive Sizes For Socket Countersunk Screws

Category	Grade	Standard	Diameter	Wrench Key
Skt CSK Screw (90° Head)	10.9	DIN 7991	M3	2mm
Skt CSK Screw (90° Head)	10.9	DIN 7991	M4	2.5mm
Skt CSK Screw (90° Head)	10.9	DIN 7991	M5	3mm
Skt CSK Screw (90° Head)	10.9	DIN 7991	M6	4mm
Skt CSK Screw (90° Head)	10.9	DIN 7991	M8	5mm
Skt CSK Screw (90° Head)	10.9	DIN 7991	M10	6mm
Skt CSK Screw (90° Head)	10.9	DIN 7991	M12	8mm
Skt CSK Screw (90° Head)	10.9	DIN 7991	M16	10mm
Skt CSK Screw (90° Head)	10.9	DIN 7991	M20	12mm

Hexagon Drive Sizes For Socket Set (Grub) Screws

Category	Grade	Standard	Diameter	Wrench Key
Skt Setscrew (Plain Cup Point)	14.9	DIN 916	M2	1mm
Skt Setscrew (Plain Cup Point)	14.9	DIN 916	M2.5	1.2mm
Skt Setscrew (Plain Cup Point)	14.9	DIN 916	M3	1.4mm
Skt Setscrew (Plain Cup Point)	14.9	DIN 916	M4	2mm
Skt Setscrew (Plain Cup Point)	14.9	DIN 916	M5	2.5mm
Skt Setscrew (Plain Cup Point)	14.9	DIN 916	M6	3mm
Skt Setscrew (Plain Cup Point)	14.9	DIN 916	M8	5mm
Skt Setscrew (Plain Cup Point)	14.9	DIN 916	M10	6mm
Skt Setscrew (Plain Cup Point)	14.9	DIN 916	M12	8mm
Skt Setscrew (Plain Cup Point)	14.9	DIN 916	M16	10mm
Skt Setscrew (Plain Cup Point)	14.9	DIN 916	M20	14mm

Electro Chemically Induced Corrosion

Many corrosion problems arise from the fact that two dissimilar metals are in contact, leading to electro-chemical activity in damp conditions. This can be reduced or eliminated by controlling the emience (e.g. particularly limiting the humidity), or isolating dissimilar metals by insulating compounds, washers, etc. Further protection can be given by applying coatings of grease, paint, waxes, etc.

Compatibility Table - Metal-to-Metal Contact

	Aluminium	Aluminium Bronze	Cast Iron	Copper	Manganese Bronze	Mild Steel	Stainless Steel	Phosphor Bronze
Aluminium	●	×	×	×	×	×	◐	×
Aluminium Bronze	×	●	×	●	○	×	◐	●
Cast Iron	×	×	●	×	×	●	×	×
Copper	×	●	×	●	○	×	○	●
Manganese Bronze	×	○	×	○	●	×	○	○
Mild Steel	×	×	●	×	×	●	×	×
Stainless Steel	◐	○	×	○	○	×	●	○
Phosphor Bronze	×	●	×	●	○	×	○	●

- Can be used together under all conditions
 - Only safe to use together in dry conditions
 - ◐ Limited compatibility - may or may not prove suitable under all conditions
 - ×
- Not compatible - should not be used together under any condition

Operating Temperature Range

All Temperature in degrees centigrade (°C).

Black Mild Steel

	Minimum	Maximum
Whit Threads	-50°	+300°
Metric - Grade 4.6	-50°	+300°
Metric - Grade 5.6	-50°	+300°
Metric - Grade 6.8	-50°	+300°

High Tensile

	Minimum	Maximum
Whit & BSF - Grade R	-50°	+300°
UNC & UNF - Grade S	-50°	+300°
Metric - Grade 8.8	-50°	+300°
Metric - Grade 10.9	-50°	+300°

Nylon 66

	Minimum	Maximum
Metric	-70°	+255°

Stainless Steel

	Minimum	Maximum
18/8 - A2 - 302 Quality	-250°	+575°
18/10/3 - A4 - 316 Quality	-250°	-
Stress Relaxation Occurs	-	+600°
Oxidisation Resistance Up To	-	+800°

Socket Products - Grade 12.9

	Minimum	Maximum
All Standard Products In Self Colour Finish	-50°	+300°
Austenitic Stainless Products	-50°	+430°

Bright Round Wire Nails *per kilo*

mm	20	25	30	40	45	50	60	65	75	90	100	125	150
1.60	2710	2120	-	-	-	-	-	-	-	-	-	-	-
1.80	-	1720	-	-	-	-	-	-	-	-	-	-	-
2.00	-	1430	1170	970	-	-	-	-	-	-	-	-	-
2.36	-	-	840	750	640	550	-	-	-	-	-	-	-
2.65	-	-	-	-	575	440	385	350	-	-	-	-	-
3.00	-	-	-	-	-	340	310	275	-	-	-	-	-
3.35	-	-	-	-	-	-	255	230	194	-	-	-	-
3.75	-	-	-	-	-	-	-	-	154	-	-	-	-
4.00	-	-	-	-	-	-	-	-	121	106	68	-	-
4.50	-	-	-	-	-	-	-	-	-	-	77	-	-
5.00	-	-	-	-	-	-	-	-	-	-	66	53	-
5.60	-	-	-	-	-	-	-	-	-	-	-	42	-
6.00	-	-	-	-	-	-	-	-	-	-	-	-	29

Nail Kilo Count



Lost Head Nails *per kilo*

mm	40	50	60	65	70
2.36	760	-	-	-	-
2.65	-	420	-	-	-
3.00	-	360	330	270	-
3.35	-	-	270	240	-
3.75	-	-	-	-	160

Annular Ring Nails *per kilo*

mm	20	25	30	40	45	50	65	75	100
2.00	1900	1430	-	-	-	-	-	-	-
2.36	-	-	840	750	-	-	-	-	-
2.65	-	-	-	575	510	440	-	-	-
3.00	-	-	-	-	-	340	-	-	-
3.35	-	-	-	-	-	290	230	-	-
3.75	-	-	-	-	-	-	-	154	110
5.00	-	-	-	-	-	-	-	-	32

Galvanised Clout Nails *per kilo*

mm	20	25	30	40	50	65	75	100
2.36	-	-	832	698	-	-	-	-
2.65	1035	815	661	570	432	-	-	-
3.00	-	-	540	-	-	-	-	-
3.35	-	-	-	350	290	-	-	-
3.75	-	-	-	-	-	182	150	-
4.50	-	-	-	-	-	-	-	75

E.L.H. Clout Nails *per kilo*

mm	15	20	25	30	40	50
2.36	650	580	485	600	478	334

Galv Spring Head & Slab Nails *per kilo*

mm	65 Spring	100 Slab
3.35	140	100

Galvanised Staples *per kilo*

mm	15	20	25	30	40	45	50
1.60	2191	-	-	-	-	-	-
2.00	-	1079	-	-	-	-	-
2.65	-	-	486	-	-	-	-
3.35	-	-	290	-	-	-	-
3.55	-	-	-	240	-	-	-
4.00	-	-	-	-	136	110	-
5.00	-	-	-	-	-	-	106

Copper Nails *per kilo*

mm	25	30	38	45	50	65
2.36	-	748	-	-	-	-
2.65	740	560	460	400	327	-
3.00	-	470	398	366	276	-
3.35	440	376	335	308	241	195
4.00	-	-	-	-	-	140

Jagged Plasterboard Nails *per kilo*

mm	30	40	50
2.65	700	570	422

Panel Pins *per kilo*

mm	15	20	25	30	40	50
1.25	6400	-	-	-	-	-
1.40	-	3970	2090	-	-	-
1.60	-	3140	2340	1900	1590	-
2.00	-	-	-	-	-	770

Floor Brads *per kilo*

Length	Qty
50	264
60	198
65	154
75	100

Cut Nails *per kilo*

Length	Qty
40	616
50	286
60	202
65	175
75	103
90	66
100	48
125	30
150	19
175	13
200	11

Aluminium Nails *per kilo*

mm	25	30	38	50	60	65	70	75
2.65	-	1848	1596	-	-	-	-	-
3.00	-	-	-	-	-	-	-	-
3.35	1540	-	980	812	680	640	590	530






Oval Nails *per kilo*

mm	25	30	40	50	65	75	100	125	150
2.253	2253	1480	940	470	230	125	64	44	31

Galvanised Drive Screw *per kilo*

mm	50	60	65	70	75	80	90	100	115	120	125	140	150	175
14G (5.4mm)	91	71	70	70	64	61	53	47	43	40	39	37	-	-
16G (6.4mm)	-	-	-	-	-	-	-	34	30	-	28	-	23	-
18G (7.4mm)	-	-	-	-	-	-	-	28	26	-	23	21	19	17

FIXINGS SELECTION CHART

	PRODUCTS	MATERIALS	Concrete	Concrete Blocks	Hollow Blocks	Solid Brick	Perforated Brick	Aerated Concrete	Stone	Plasterboard	ETA Approved
	Through Bolts		●								
	ETA Approved Through Bolts		●								●
	Heavy Duty Anchors		●								●
	Sleeve Anchors		●	●		●	○		●		
	Shield Anchors		●	●		●			●		
	Drop In Anchors		●			○			○		
	Screwbolts		●	●	●	●	●		●		
	Styrene Free Polyester Resin		●	●	●	●	●	●	●		●
	Styrene Free Epoxy Acrylate		●	●	●	○	○	○	○		●
	High-Load Vinylester Resin		●	●	●	○	○	○	○		●
	Spin In Capsules		●								●
	Hammer In Capsules		●								
	Frame Fixings		●	●		●	○	○	●		
	Hammer Fixings		●	●		●	○		●		
	Window Frame Anchors		●	●		●			○		
	Concrete Screws		●	●	●	●	●		●		
	Hollow Wall Anchors				●					●	
	Plasterboard Fixings									●	
	Spring Toggles				●					●	
	Nylon Wall Plugs		●	●	●	●	●	●	●		

KEY Suitable ● More Suitable Fixings Available ○



Harrison & Clough Ltd

Harclo Road
Keighley
West Yorkshire
BD21 4DW
United Kingdom

Tel: +44 (0) 844 571 22 22
Fax: +44 (0) 844 571 22 33

www.harclo.com



HARRISON & CLOUGH LTD