The Sharktooth and Barracuda Spikes are manufactured in standard Galvanised Steel, which is strong yet flexible, allowing fitting to most curved structures. All Spikes are Pre-Drilled for quick and easy fixing to metal, wood or brickwork.

**SHARKTOOTH Code: 490012**

- **1450mm long x 40mm wide x 80mm high**

**BARRACUDA Code: 490013**

No fence or wall alone can deter the experienced intruder but 95% of burglaries do not fall into this category. To vandalise or steal, virtually all intruders take advantage of poorly maintained or ineffective perimeters. With Security Spikes fitted, the intruder can see at once that they risk serious injury if illegal entry is attempted.

- **1450mm long x 30mm wide x 40mm high**

**PRIKKA-STRIP Code: 490020 Black**  
**Code: 490021 Brown**

The effective, low-cost Polypropylene deterrent against unwelcome intruders

- Fits to tops of fences and gates
- **500mm long x 45mm wide x 15mm high**
# MILD STEEL HEAVY GAUGE MESH

<table>
<thead>
<tr>
<th>Specification</th>
<th>Standard Sheets with Flush Edges</th>
<th>60ft (18m) Rolls with Flush Edges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mesh Size</td>
<td>Gauge (approx)</td>
<td>Width x Mesh x Wire dia.</td>
</tr>
<tr>
<td>3'' x 6''</td>
<td>x6g 75x150</td>
<td>1/2'' x 1/2'' x 3.00mm (10g)</td>
</tr>
<tr>
<td>2'' x 2''</td>
<td>x6g 50x50</td>
<td>1/2'' x 1/2'' x 3.00mm (10g)</td>
</tr>
<tr>
<td>3'' x 3''</td>
<td>x6g 75x75</td>
<td>1/2'' x 1/2'' x 3.00mm (10g)</td>
</tr>
<tr>
<td>1'' x 1''</td>
<td>x8g 25x25</td>
<td>1/2'' x 1/2'' x 1.60mm (16g)</td>
</tr>
<tr>
<td>2'' x 1''</td>
<td>x8g 50x50</td>
<td>1/2'' x 1/2'' x 1.60mm (16g)</td>
</tr>
<tr>
<td>3'' x 3/4''</td>
<td>x8g 75x13</td>
<td>1/2'' x 1/2'' x 1.60mm (16g)</td>
</tr>
<tr>
<td>1'' x 3/4''</td>
<td>x10g 25x25</td>
<td>1/2'' x 1/2'' x 1.60mm (16g)</td>
</tr>
<tr>
<td>1/2'' x 1/2''</td>
<td>x10g 38x38</td>
<td>1/2'' x 1/2'' x 1.60mm (16g)</td>
</tr>
</tbody>
</table>

# MILD STEEL LIGHT GAUGE MESH

<table>
<thead>
<tr>
<th>Size in inches</th>
<th>Width x Mesh x Wire dia.</th>
<th>Size in mm (approx) Width x Mesh x Wire dia.</th>
<th>6 metre rolls</th>
<th>30 metre rolls</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 x 1/4''</td>
<td>x1/4'' x1/4'' x24g</td>
<td>26 x 1/4'' x1/4'' x24g</td>
<td>900 x 6x6 x0.55</td>
<td>900 x 6x6 x0.55</td>
</tr>
<tr>
<td>36 x 1/4''</td>
<td>x1/4'' x1/4'' x19g</td>
<td>36 x 1/4'' x1/4'' x19g</td>
<td>900 x 13 x13 x1.00</td>
<td>900 x 13 x13 x1.00</td>
</tr>
<tr>
<td>36 x 1''</td>
<td>x1'' x1'' x19g</td>
<td>36 x 1'' x1'' x19g</td>
<td>900 x 13 x13 x1.00</td>
<td>900 x 13 x13 x1.00</td>
</tr>
<tr>
<td>36 x 3/4''</td>
<td>x1/2'' x1/2'' x16g</td>
<td>36 x 3/4'' x1/2'' x16g</td>
<td>900 x 13 x13 x1.60</td>
<td>900 x 13 x13 x1.60</td>
</tr>
<tr>
<td>48 x 1/4''</td>
<td>x1/4'' x1/4'' x16g</td>
<td>48 x 1/4'' x1/4'' x16g</td>
<td>1200 x 13 x13 x1.60</td>
<td>1200 x 13 x13 x1.60</td>
</tr>
<tr>
<td>72 x 1/4''</td>
<td>x1/2'' x1/2'' x16g</td>
<td>72 x 1/2'' x1/2'' x16g</td>
<td>1800 x 13 x13 x1.60</td>
<td>1800 x 13 x13 x1.60</td>
</tr>
<tr>
<td>36 x 1/2''</td>
<td>x1'' x1'' x16g</td>
<td>36 x 1/2'' x1'' x16g</td>
<td>900 x 13 x13 x2.50</td>
<td>900 x 13 x13 x2.50</td>
</tr>
<tr>
<td>48 x 1/2''</td>
<td>x1'' x1'' x16g</td>
<td>48 x 1/2'' x1'' x16g</td>
<td>1200 x 13 x13 x2.50</td>
<td>1200 x 13 x13 x2.50</td>
</tr>
<tr>
<td>24 x 3/4''</td>
<td>x3/4'' x3/4'' x16g</td>
<td>24 x 3/4'' x3/4'' x16g</td>
<td>600 x 19 x19 x1.60</td>
<td>600 x 19 x19 x1.60</td>
</tr>
<tr>
<td>36 x 3/4''</td>
<td>x1'' x1'' x16g</td>
<td>36 x 3/4'' x1'' x16g</td>
<td>900 x 19 x19 x1.60</td>
<td>900 x 19 x19 x1.60</td>
</tr>
</tbody>
</table>

# STAINLESS STEEL

<table>
<thead>
<tr>
<th>Mesh Size</th>
<th>Standard Sheets</th>
<th>Metal</th>
<th>Code</th>
<th>Size</th>
<th>Rolls</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2'' x 1/2''</td>
<td>Type 304</td>
<td>316</td>
<td>07001</td>
<td>30mtr</td>
<td>Rolls</td>
</tr>
<tr>
<td>1/4'' x 1/4''</td>
<td>Type 304</td>
<td>304</td>
<td>0109</td>
<td>30mtr</td>
<td>Rolls</td>
</tr>
</tbody>
</table>

**TWILWELD CLIPS**

For use with light gauge mesh  Code: 0109

**FOR JOINING MESH PANELS TO MESH PANELS**

Brun-mesh  
Connector Klip  
Code: 07001

**FOR FIXING MESH TO BRICKWORK OR RACKING**

Brun-mesh Klip  
(galvanised finish)  
Size: 19 x 33mm with 5mm hole  
Code: 07002

**BRUN-MESH KLIPS**

For joining mesh panels  
Code: 07001

**STAINLESS STEEL**

- 1/4'' x 1/4'' x 0.80mm (31g) Type 304 48'' wide x 100 feet  
  Cut to length as required
- 8mm x 8mm x 1.00mm (18g) Type 304 48'' wide x 100 feet  
  Cut to length as required
- 1/2'' x 1/2'' x 1.00mm (18g) Type 304 1 metre x 100 feet  
  Cut to length as required
- 1/2'' x 1/2'' x 1.30mm (18g) Type 304 48'' wide x 100 feet  
  Cut to length as required
- 1/2'' x 1/2'' x 1.60mm (16g) Type 304 48'' wide x 100 feet  
  Cut to length as required
- 1/2'' x 1/2'' x 1.60mm (16g) Type 316 48'' wide x 100 feet  
  Cut to length as required
- 1'' x 1'' x 1.80mm (16g) Type 316 48'' wide x 100 feet  
  Cut to length as required

**CAN ALSO BE SUPPLIED IN CUT TO SIZE PANELS**

**PLEASE NOTE:** We can manufacture stainless steel welded mesh in metric dimensions, as well as special mesh and panel sizes.
OTHER MESH PRODUCTS

ECONOMY MESH
Finish - galvanised after manufacture.

<table>
<thead>
<tr>
<th>Size in inches Width x Mesh x Wire dia.</th>
<th>Size in mm (approx) Width x Mesh x Wire dia.</th>
<th>Roll Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>36 x 1/2 x 1 x 19g</td>
<td>900 x 12.5 x 25.4 x 0.9mm</td>
<td>30 metres</td>
</tr>
<tr>
<td>36 x 1/2 x 1/2 x 19g</td>
<td>900 x 12.5 x 12.5 x 0.9mm</td>
<td>30 metres</td>
</tr>
<tr>
<td>36 x 1 x 1 x 19g</td>
<td>900 x 25.4 x 25.4 x 0.9mm</td>
<td>30 metres</td>
</tr>
<tr>
<td>36 x 1/2 x 1/2 x 16g</td>
<td>900 x 12.5 x 12.5 x 1.6mm</td>
<td>30 metres</td>
</tr>
<tr>
<td>36 x 1 x 1 x 16g</td>
<td>900 x 25.4 x 25.4 x 1.6mm</td>
<td>30 metres</td>
</tr>
</tbody>
</table>

THE ITEMS BELOW ARE SUPPLIED TO ORDER

WELDMESH TREE GUARDS
Finish - galvanised after manufacture.
Standard 9” diameter

<table>
<thead>
<tr>
<th>Mesh</th>
<th>mm</th>
<th>Height (approx) mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>3” x 1” x 10g</td>
<td>75 x 25</td>
<td>72”</td>
</tr>
<tr>
<td>3” x 1” x 10g</td>
<td>75 x 25</td>
<td>60”</td>
</tr>
<tr>
<td>3” x 1” x 10g</td>
<td>75 x 25</td>
<td>48”</td>
</tr>
<tr>
<td>3” x 1” x 10g</td>
<td>75 x 25</td>
<td>36”</td>
</tr>
<tr>
<td>3” x 1” x 12g</td>
<td>75 x 25</td>
<td>72”</td>
</tr>
<tr>
<td>3” x 1” x 12g</td>
<td>75 x 25</td>
<td>60”</td>
</tr>
<tr>
<td>3” x 1” x 12g</td>
<td>75 x 25</td>
<td>48”</td>
</tr>
<tr>
<td>3” x 1” x 12g</td>
<td>75 x 25</td>
<td>36”</td>
</tr>
</tbody>
</table>

Above can also be supplied in two halves clipped together

WELDMESH HAY RACK PANELS
Available in self colour or galvanised.

<table>
<thead>
<tr>
<th>Mesh</th>
<th>mm</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3” x 6” x 6g</td>
<td>75 x 150</td>
<td>36”x72”</td>
</tr>
<tr>
<td>3” x 3” x 6g</td>
<td>75 x 75</td>
<td>36”x72”</td>
</tr>
<tr>
<td>3” x 3” x 6g</td>
<td>75 x 75</td>
<td>48”x96”</td>
</tr>
</tbody>
</table>

Long dimension of mesh can run in either direction, please specify

WELDMESH PIG FLOORS
Self Colour

<table>
<thead>
<tr>
<th>48&quot; x 80” Mesh</th>
<th>mm</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3” x 1/2” x 6g</td>
<td>75 x 13</td>
<td>4’ x 8’</td>
</tr>
</tbody>
</table>

These items supplied to order

GABIONS
F.H. Brundle sell a wide range of welded mesh products for reinforcement, landscaping, agricultural, building, public and industrial applications.

See Page 71 for more details

WELDMESH WEIGHT TABLE

NON STANDARD PANELS
To convert the panel weight into kg/m² multiply the kg/ft² by 10.76

<table>
<thead>
<tr>
<th>Specification</th>
<th>Approx weight kg/ft²</th>
</tr>
</thead>
<tbody>
<tr>
<td>self colour</td>
<td>galv.</td>
</tr>
<tr>
<td>2” x 2” x 6g</td>
<td>0.51</td>
</tr>
<tr>
<td>3” x 3” x 6g</td>
<td>0.35</td>
</tr>
<tr>
<td>3” x 6” x 6g</td>
<td>0.26</td>
</tr>
<tr>
<td>1” x 1” x 8g</td>
<td>0.71</td>
</tr>
<tr>
<td>2” x 1” x 8g</td>
<td>0.54</td>
</tr>
<tr>
<td>2” x 2” x 8g</td>
<td>0.36</td>
</tr>
<tr>
<td>3” x 1/2” x 8g</td>
<td>0.83</td>
</tr>
<tr>
<td>3” x 3” x 8g</td>
<td>0.24</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specification</th>
<th>Approx weight kg/ft²</th>
</tr>
</thead>
<tbody>
<tr>
<td>self colour</td>
<td>galv.</td>
</tr>
<tr>
<td>1” x 1” x 10g</td>
<td>0.41</td>
</tr>
<tr>
<td>1 1/2” x 1 1/2” x 10g</td>
<td>0.27</td>
</tr>
<tr>
<td>2” x 1” x 10g</td>
<td>0.31</td>
</tr>
<tr>
<td>2” x 2” x 10g</td>
<td>0.21</td>
</tr>
<tr>
<td>3” x 1/2” x 10g</td>
<td>0.48</td>
</tr>
<tr>
<td>3” x 1” x 10g</td>
<td>0.28</td>
</tr>
<tr>
<td>3” x 3” x 10g</td>
<td>0.14</td>
</tr>
<tr>
<td>4” x 4” x 10g</td>
<td>0.11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specification</th>
<th>Approx weight kg/ft²</th>
</tr>
</thead>
<tbody>
<tr>
<td>self colour</td>
<td>galv.</td>
</tr>
<tr>
<td>1” x 1” x 12g</td>
<td>0.27</td>
</tr>
<tr>
<td>2” x 1” x 12g</td>
<td>0.21</td>
</tr>
<tr>
<td>2” x 2” x 12g</td>
<td>0.14</td>
</tr>
<tr>
<td>3” x 1/2” x 12g</td>
<td>0.32</td>
</tr>
<tr>
<td>3” x 1” x 12g</td>
<td>0.18</td>
</tr>
</tbody>
</table>
## GALVANISED WIRE NETTING

Netting – General Purpose
The widest range of sizes, widths and roll lengths, to suit a variety of general purpose requirements. Manufactured to BS EN 10223-2. Heavily galvanised to BS EN 10244-2 for longer life. Guaranteed roll length, height and mesh size.

<table>
<thead>
<tr>
<th>Mesh</th>
<th>Wire size mm swg</th>
<th>Roll width</th>
<th>Code number 50m Rolls</th>
<th>Code number 25m Rolls</th>
</tr>
</thead>
<tbody>
<tr>
<td>13mm</td>
<td>0.70 22</td>
<td>600mm</td>
<td>090206132225</td>
<td>090206132225</td>
</tr>
<tr>
<td>13mm</td>
<td>0.70 22</td>
<td>900mm</td>
<td>090209132225</td>
<td>090209132225</td>
</tr>
<tr>
<td>25mm</td>
<td>0.90 20</td>
<td>600mm</td>
<td>090206252025</td>
<td>090206252025</td>
</tr>
<tr>
<td>25mm</td>
<td>0.90 20</td>
<td>900mm</td>
<td>090209252025</td>
<td>090209252025</td>
</tr>
<tr>
<td>25mm</td>
<td>0.90 20</td>
<td>1200mm</td>
<td>090212252025</td>
<td>090212252025</td>
</tr>
<tr>
<td>25mm</td>
<td>0.90 20</td>
<td>1800mm</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>31mm</td>
<td>1.00 19</td>
<td>600mm</td>
<td>090206311950</td>
<td>n/a</td>
</tr>
<tr>
<td>31mm</td>
<td>1.00 19</td>
<td>1050mm</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>31mm</td>
<td>1.00 19</td>
<td>1200mm</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>31mm</td>
<td>1.20 18</td>
<td>1050mm</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>50mm</td>
<td>1.00 19</td>
<td>600mm</td>
<td>090206501925</td>
<td>n/a</td>
</tr>
<tr>
<td>50mm</td>
<td>1.00 19</td>
<td>900mm</td>
<td>090209501925</td>
<td>n/a</td>
</tr>
<tr>
<td>50mm</td>
<td>1.00 19</td>
<td>1200mm</td>
<td>090212501925</td>
<td>n/a</td>
</tr>
<tr>
<td>50mm</td>
<td>1.00 19</td>
<td>1800mm</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>100mm</td>
<td>1.60 16</td>
<td>900mm</td>
<td>0902091001650</td>
<td>n/a</td>
</tr>
<tr>
<td>100mm</td>
<td>1.60 16</td>
<td>900mm</td>
<td>0902091001450</td>
<td>n/a</td>
</tr>
</tbody>
</table>

## GALVANISED BARBED WIRE

<table>
<thead>
<tr>
<th>Type</th>
<th>Line Wire mm</th>
<th>Bars mm</th>
<th>Length/Coil metres</th>
<th>Barb spacing approx/mm</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sentinel Vulcan High Tensile</td>
<td>2.0</td>
<td>2.00</td>
<td>200</td>
<td>75</td>
<td>4802003</td>
</tr>
<tr>
<td>Sentinel Wood Reels</td>
<td>2.5</td>
<td>2.00</td>
<td>200</td>
<td>100</td>
<td>4802012</td>
</tr>
<tr>
<td>Green Vulcan High Tensile</td>
<td>2.0</td>
<td>2.00</td>
<td>200</td>
<td>75</td>
<td>4802008</td>
</tr>
<tr>
<td>Green Rypoint Wood Reels</td>
<td>2.5</td>
<td>2.00</td>
<td>200</td>
<td>100</td>
<td>4802011</td>
</tr>
<tr>
<td>Motto Economy High Tensile</td>
<td>1.6</td>
<td>1.45</td>
<td>200</td>
<td>100</td>
<td>4802010</td>
</tr>
<tr>
<td>Garden Barbed Wire</td>
<td>2.5</td>
<td>2.00</td>
<td>15</td>
<td>85</td>
<td>4802002</td>
</tr>
</tbody>
</table>

## SENTINEL STAPLES

<table>
<thead>
<tr>
<th>Size mm</th>
<th>Approx No. per kilo</th>
<th>20kg Plastic Tubs</th>
<th>10kg Plastic Tubs</th>
<th>5kg Plastic Tubs</th>
<th>1/2kg Bags</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 x 1.60</td>
<td>2060</td>
<td>09S1520</td>
<td>-</td>
<td>-</td>
<td>09S1512</td>
</tr>
<tr>
<td>20 x 2.00</td>
<td>931</td>
<td>09S2020</td>
<td>-</td>
<td>-</td>
<td>09S2012</td>
</tr>
<tr>
<td>25 x 2.65</td>
<td>488</td>
<td>09S2520</td>
<td>-</td>
<td>-</td>
<td>09S2512</td>
</tr>
<tr>
<td>30 x 3.55</td>
<td>221</td>
<td>09S3020</td>
<td>09S3010</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>40 x 4.00</td>
<td>134</td>
<td>09S4020</td>
<td>09S4010</td>
<td>09S4005</td>
<td>09S4012</td>
</tr>
<tr>
<td>40 x 4.00</td>
<td>GREEN 09S4020GRN</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>40 x 4.00</td>
<td>BARBED 09S4020B</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>45 x 4.00</td>
<td>110</td>
<td>09S4520</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Recommended Uses:
- **15mm** - Wire Netting and Light Twilweld
- **20mm** - Chestnut Fencing Wire Netting and Twilweld
- **25mm** - Twilweld and Chainlink Fencing
- **30mm** - Fencing Wires and Stockfence
- **40mm** - Barbed Wire and Stockfence
Light
Economical option designed for non-permanent fencing applications. Perfect for fencing gaps in walls, around excavations or as additional support for walls and ditches.

<table>
<thead>
<tr>
<th>Type</th>
<th>Style</th>
<th>No. of Horizontal Wires</th>
<th>Roll Height mm</th>
<th>Between Vertical Wires mm</th>
<th>Roll Weight kg</th>
<th>Roll Length metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light</td>
<td>L8/80/15</td>
<td>8</td>
<td>800</td>
<td>150</td>
<td>20</td>
<td>50</td>
</tr>
</tbody>
</table>

Medium
A medium gauge stockfence used for all types of permanent fencing, cattle, sheep or pigs.

<table>
<thead>
<tr>
<th>Type</th>
<th>Style</th>
<th>No. of Horizontal Wires</th>
<th>Roll Height mm</th>
<th>Between Vertical Wires mm</th>
<th>Roll Weight kg</th>
<th>Roll Length metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium</td>
<td>C8/80/15</td>
<td>8</td>
<td>800</td>
<td>150</td>
<td>32</td>
<td>50</td>
</tr>
<tr>
<td>Medium</td>
<td>C8/80/15</td>
<td>8</td>
<td>800</td>
<td>150</td>
<td>192</td>
<td>300*</td>
</tr>
</tbody>
</table>

* Made to special order

Heavy
The recommended specification for extremely tough fencing – where corrosion pressures are likely to be high, or a difficult site that you won’t want to re-fence for a long time.

<table>
<thead>
<tr>
<th>Type</th>
<th>Style</th>
<th>No. of Horizontal Wires</th>
<th>Roll Height mm</th>
<th>Between Vertical Wires mm</th>
<th>Roll Weight kg</th>
<th>Roll Length metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy</td>
<td>B8/80/15</td>
<td>8</td>
<td>800</td>
<td>150</td>
<td>48</td>
<td>50</td>
</tr>
</tbody>
</table>

Vulcan
A Vanadium enhanced high tensile stockfence for ultimate strength and pliability, allows greater tensioning and a higher resistance to impact than other steel types.

<table>
<thead>
<tr>
<th>Type</th>
<th>Style</th>
<th>No. of Horizontal Wires</th>
<th>Roll Height mm</th>
<th>Between Vertical Wires mm</th>
<th>Roll Weight kg</th>
<th>Roll Length metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vulcan</td>
<td>HT8/80/15</td>
<td>8</td>
<td>800</td>
<td>150</td>
<td>60</td>
<td>100</td>
</tr>
<tr>
<td>Vulcanc</td>
<td>HT8/80/30</td>
<td>8</td>
<td>800</td>
<td>300</td>
<td>45</td>
<td>100</td>
</tr>
</tbody>
</table>

SENTINEL BADGER FENCING & SENTINEL HORSE FENCING
DETAILS ON APPLICATION
Light
An economic stockproof fence designed for use where traditional permanent fences are not required - e.g. gaps in walls, or fencing around excavations. Type L5/60/15 has been developed specifically as a ‘hedge bottom’ product, for low gap filling and protecting new hedge planting.

<table>
<thead>
<tr>
<th>Type</th>
<th>Style</th>
<th>No. of Horizontal Wires</th>
<th>Roll Height mm</th>
<th>Between Vertical Wires mm</th>
<th>Roll Weight kg</th>
<th>Roll Length metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light</td>
<td>L5/60/15</td>
<td>5</td>
<td>600</td>
<td>150</td>
<td>17</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>L8/80/15</td>
<td>8</td>
<td>800</td>
<td>150</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>L10/120/15</td>
<td>10</td>
<td>1200</td>
<td>150</td>
<td>27</td>
<td>50</td>
</tr>
</tbody>
</table>

Medium
A medium gauge stockfence used for all types of permanent fencing, cattle, sheep or pigs.

<table>
<thead>
<tr>
<th>Type</th>
<th>Style</th>
<th>No. of Horizontal Wires</th>
<th>Roll Height mm</th>
<th>Between Vertical Wires mm</th>
<th>Roll Weight kg</th>
<th>Roll Length metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium</td>
<td>C8/80/15</td>
<td>8</td>
<td>800</td>
<td>150</td>
<td>32</td>
<td>50</td>
</tr>
</tbody>
</table>

Heavy
The recommended specification for extremely tough fencing – where corrosion pressures are likely to be high, or a difficult site that you won’t want to re-fence for a long time.

<table>
<thead>
<tr>
<th>Type</th>
<th>Style</th>
<th>No. of Horizontal Wires</th>
<th>Roll Height mm</th>
<th>Between Vertical Wires mm</th>
<th>Roll Weight kg</th>
<th>Roll Length metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy</td>
<td>B8/80/15</td>
<td>8</td>
<td>800</td>
<td>150</td>
<td>48</td>
<td>50</td>
</tr>
</tbody>
</table>

Vulcan
A Vanadium enhanced high tensile stockfence for ultimate strength and pliability, allows greater tensioning and a higher resistance to impact than other steel types.

<table>
<thead>
<tr>
<th>Type</th>
<th>Style</th>
<th>No. of Horizontal Wires</th>
<th>Roll Height mm</th>
<th>Between Vertical Wires mm</th>
<th>Roll Weight kg</th>
<th>Roll Length metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vulcan</td>
<td>HT5/53/15</td>
<td>5</td>
<td>530</td>
<td>150</td>
<td>40</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>HT5/53/30</td>
<td>5</td>
<td>530</td>
<td>300</td>
<td>30</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>HT8/80/15</td>
<td>8</td>
<td>800</td>
<td>150</td>
<td>60</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>HT8/80/15</td>
<td>8</td>
<td>800</td>
<td>150</td>
<td>180</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>HT8/80/30</td>
<td>8</td>
<td>800</td>
<td>300</td>
<td>300*</td>
<td>500</td>
</tr>
</tbody>
</table>

* Made to special order

Vulcan Lamb Safe
Eight horizontal wires and 220mm (9") spacings allow lambs to graze safely alongside this 800mm stockfence, with no risk of trapping their heads.

<table>
<thead>
<tr>
<th>Type</th>
<th>Style</th>
<th>No. of Horizontal Wires</th>
<th>Roll Height mm</th>
<th>Between Vertical Wires mm</th>
<th>Roll Weight kg</th>
<th>Roll Length metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lamb Safe Med</td>
<td>HT8/80/22</td>
<td>8</td>
<td>800</td>
<td>220</td>
<td>52</td>
<td>100</td>
</tr>
</tbody>
</table>
CLEFT CHESTNUT PALE FENCING

Pales are hand-riven from sweet chestnut wood, shaved of bark, stub pointed on top and roughly triangular or half round in section. Wire for wiring is 1.90mm diameter galvanised and each line or wiring consists of four wires twisted together between the pales.

Top wiring 6" from top of pales, bottom wiring 6" from bottom and third wire (if specified) spaced approximately midway between top and bottom. One line of wiring is secured to pales with 19mm galvanised staples.

<table>
<thead>
<tr>
<th>Standard size Height</th>
<th>Spacing of Pales</th>
<th>Line Wires</th>
<th>Length of Roll</th>
<th>Stock Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>3' 0&quot;</td>
<td>3&quot;</td>
<td>3</td>
<td>10 yards</td>
<td>080657</td>
</tr>
<tr>
<td>4' 0&quot;</td>
<td>3&quot;</td>
<td>3</td>
<td>10 yards</td>
<td>080658</td>
</tr>
</tbody>
</table>

GREEN MONO DEBRIS NETTING

A cost effective durable lightweight debris netting. Not only does it protect traffic and pedestrians from falling debris, it considerably reduces rain and wind penetration whilst allowing air circulation for a better working environment for construction personnel.

2m x 50m Code: 080663

SAFETY FENCING

Made from semi-rigid High Density Polyethylene and having a high tensile strength enabling the fencing to be pulled taught without fear of stretching. Vertical strands are thicker giving extra stiffness and resistance to sagging.

Flexible, high visibility safety fencing is the ideal choice for construction zones, hazardous areas, temporary leisure or parking locations as well as for snow-break use.

The standard stock colour is orange. Other colours can be ordered as specials i.e. Green, Blue or Yellow.

Roll Length - 50m
Roll Height - 1.0m Code: 080661

FENCING PINS for above
54" (1.37 metre) Code: 080675

SQUARE WOODEN POSTS - TREATED
5 feet Code: 09FA597
5 feet 6 inches Code: 09FA596

CONCRETE POSTS
WIDE RANGE AVAILABLE TO ORDER

ANGLE IRON FENCING POSTS TO ORDER

BENT OVER ARMS
For 3 Rows of Barbed Wire or Tape

Stocked sizes

<table>
<thead>
<tr>
<th>SIZE o.a</th>
<th>TYPE</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 5</td>
<td>FLAT - TO FIT FENCE POSTS &amp; ANGLE IRON</td>
<td>4803001</td>
</tr>
<tr>
<td>40 x 5</td>
<td>ANGLE - TO FIT TO WALLS &amp; HD FENCE POSTS</td>
<td>4803002</td>
</tr>
</tbody>
</table>

TWO WAY STRAINERS

CORNER POSTS

ANGLE IRON INTERMEDIATE POSTS
TEMPORARY FENCING

STANDARD ANTI-CLIMB PANEL
Length: 3472mm Height: 2000mm Vertical tube: 38mm dia Horizontal tube: 25mm dia
Code: 080671

STANDARD COUPLER
Code: 080669

FEET FOR STANDARD PANEL
Thermo-plastic Code: 080673
Concrete Code: 080670

MESH TYPE PEDESTRIAN BARRIER
Length: 2500mm Height: 1100mm
Code: 080680

METAL FEET
For pedestrian barrier Code: 080681
For use with Delta triangular rings which close up to give about 7mm inside the formed ring. With these rings, parallel wires sit easily into the corners of the triangle. Code: 09FA510

**Hog Rings** - Boxes of 1000 (50 rings per magazine)
Heavy galvanised to BS443 Code: 09FA03

**STEEL NETTING PLIERS & FASTENERS**

Nutting Fastener Pliers - 150mm (6”) Code: 0702003
Standard Fasteners BZP. Box Quantity 200 Code: 0702001
Sherardised. Box Quantity 100 Code: 0702002

**FP10 FENCING PLIERS**

Multi-purpose tool for use on fencing, incorporating several functions: Cutter, Hook, Hammer, Wire Strainer
Size: 266mm (10 1/2”)
Code: 09A001

**FM 14 RECORD FENCING MAULS**

For driving home fencing posts.
Size: 14lbs Code: 09A006
Handles: Code: 09A008

**WC8 WIRE CUTTERS**

Forged centre cut jaws with carbon steel handles. Ideal for use on mild steel, soft non-ferrous metals or plastics.
Size: 200mm (8”) Capacity: 4mm (5/32”)
Code: 09A002

**WC12C WIRE & BOLT CUTTERS**

Chromium - molybdenum jaws, carbon steel drop forged handles with rubber grips. Cuts wire or bolts up to 5mm
Centre Cutters
Size: 300mm (12”)
Code: 09A003

**C7 FELCO UNIVERSAL WIRE CUTTER**

An outstanding powerful tool for cutting up to 7mm diameter steel wire or spring wire up to 2.5mm diameter. Long lasting, quality tool suitable for manufacturers as well as general fencing work. Volute spring handle action for single hand operation.
Size: 185mm (7 1/4”)
Code: 080569

**WIREFLINK**

Widely used on all types of fencing to join wire, including high tensile. Takes both 3.15mm and 2.50mm wire. The jaws inside the wirelink grip the wire and hold it under tension. Restraining is a simple matter. Code: 09FA10

**WIRE VICE**

For holding wire under tension on end posts. Widely used on all types of fencing including high tensile. Takes both 3.15mm and 2.50mm wire. For use when straining the wire through a hole in a strainer post. Code: 09FA09

---

The FP222 is designed specially for heavy duty VR22 hog rings. Ideal to fix somewhat thicker wire netting and chain link fencing to fence wires, the new FP222 provides secure, reliable results; can be used for both domestic and professional requirements.

Tools Code: 0702222

**Galv. Hog Rings**
Pack of 215 - Code: 0702215
Pack of 1100 - Code: 07021100
Pack of 1600 - Code: 09FA07

**Stainless Hog Rings**
Pack of 215 - Code: 0704215
**Green PVC Coated Hog Rings**
Pack of 215 - Code: 0703215
Pack of 1100 - Code: 07031100
Pack of 1600 - Code: 09FA08
SHUV-HOLERS

Shuv-Holers are unique holedigging tools, fifty percent quicker and much easier than digging with a spade. Deep holes can be sunk with smaller diameters, so less filling and ramming is required.

Heavy Duty Mark 2 Code: 080632
New design, wooden handle. For heavy ground, contracting etc.

Heavy Duty Mark 2 Steel Code: 080633
New design. For use where extra handle strength is required.

Spare Handles
36” Wood (for Mark 2 only) Code: 080627
42” Wood Code: 080628
54” Wood Code: 080628

POST-HOLER

Ideal for digging holes for gate posts, etc. The Post-Holer will dig a parallel hole, minimum size 8”, down to a depth of 4 feet. It is of rugged construction with all steel tubular handles and narrow high carbon forged blades.

Code: 080636

DRIVALL POST DRIVERS

Makes light work of post-driving. It is quicker and far less effort than using a sledge hammer or digging with a spade.

No. | Weight kg | Max. post Square | Max. post Round
---|----------|-----------------|-----------------|
4 | 16.5 (35lbs) | 67mm (2 ½”) | 95mm (3 ¾”) | Code: 080629
5 | 19.5 (43lbs) | 89mm (3 ½”) | 120mm (4 ¾”) | Code: 080630
6A | 25.5 (56lbs) | 107mm (4 ¼”) | 145mm (5 ¼”) | Code: 080631

EXTRAS

GUIDES FOR DRIVALL
It is advisable to use guides when driving in square posts as this facilitates the possibility to right the post if skewed due to stones, etc. It also avoids shaving on corners of posts.

EXTENSION HANDLES
Four foot extension handles can be attached to the existing handles of the Drivall and used for gaining height if posts are tall, i.e. for deer fencing.

POST-KNOCKER

This is a post driver of robust construction for driving all types of wooden fence posts, leaving the post head undamaged. Much easier and safer than using a sledge hammer. A lighter version of the Drivall post driver size 5. Tubular steel handles.

Weight: 16kg (35lbs)
Size: 5” (suitable for 3 ½” (89mm) square posts and 4 ¼” (120mm) round posts.

Code: 080635

540 DRIVALL WIRE REEL

The fully collapsible reel is ready in seconds to make sure you avoid those rook’s nest of wire, when there’s an emergency repair to make. This model has a drive in spike, cambrake, to reduce over run an adjustable setting for all standard coil sizes. Takes up very little space in the vehicle.

Code: 080622

GRIPPLE® TENSIONING SYSTEM

The Gripple is a small but extremely powerful device that creates a join as strong as the wire itself. To join two wires, they are simply pushed through either end of the Gripple. In this direction they travel freely, but the moment any tension is applied gear toothed rollers lock tight. However, the wire can still be tensioned in the original direction. The Grippler tensioning tool completes the system. Its powerful lever action pushes against the Gripple and pulls the wire through applying a maximum pull load of 300kg. This is the ideal system for repair, retensioning and maintenance of wire fencing.

GRIPPLE TENSIONING TOOL
Code: 09FA500
Accepts wire diameters from 1.00 - 7.00mm

MEDIUM GRIPPLE ( Packs of 20)
Code: 09FA01
MILD STEEL 2.00 - 3.25mm 350KG
HIGH TENSILE 2.00 - 2.85mm
BARBED WIRE 2.00 x 170mm

LARGE GRIPPLE ( Packs of 20)
Code: 09FA02
MILD STEEL 2.70 - 4.30mm 150KG
BARBED WIRE 2.00 x 2.50mm
**FENCING TOOLS & ACCESSORIES**

**DRIVALL WIRE STRAINER**

Automatic chain grab wire strainer. Will strain slack or broken wire in centre strain or at the post. Ideal for all types of wire including high-tensile and barbed wire. A popular fencing contractor’s tool.

*Code: 080619*

**406 DRIVALL BOUNDARY FENCE STRAINER**

Designed especially for pulling all classes of pre-fabricated fencing. The unit consists of a grab assembly with a long handle and 6 metres of chain with swivel and ring. Drivall boundary clamps are also available. They are used with the NO.406 when straining high-tensile and mild steel netting in two sizes: - 1100mm for standard netting and 2200mm for deer netting.

*Code: 080620*

**MONKEY WIRE STRAINER**

Draws wires tighter than you would believe possible. Broken wires can be mended at posts or in the middle of a span. Ideal for use with wires of any type. Barbed or high-tensile, or even netting can be stretched quickly and efficiently. With 1.85 metres of chain, long lengths of wire can be pulled up at one setting.

Finish: Heavy Sherardised coating of metallic zinc.

*Code: 09FA508*

**STRAIGHT BANDS & HOOKS ON PLATES**

Mostly used by tradesmen or joiners on heavy domestic gates or small field gates.

<table>
<thead>
<tr>
<th>Size</th>
<th>Self Colour</th>
<th>Epoxy Black</th>
<th>Galvanised</th>
<th>Epoxy Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>mm</td>
<td>(code)</td>
<td>(code)</td>
<td>(code)</td>
</tr>
<tr>
<td>10</td>
<td>250</td>
<td>09FA580</td>
<td>09FA537</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>300</td>
<td>09FA581</td>
<td>09FA538</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>350</td>
<td>09FA582</td>
<td>09FA539</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>400</td>
<td>09FA583</td>
<td>09FA540</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>450</td>
<td>09FA584</td>
<td>09FA541</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>600</td>
<td>09FA585</td>
<td>09FA542</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>750</td>
<td>09FA586</td>
<td>09FA543</td>
<td></td>
</tr>
</tbody>
</table>

*Code: 080620*

**CRANKED BANDS & HOOKS ON PLATES**

Popular with the DIY trade since crank allows the door and post to be flush.

<table>
<thead>
<tr>
<th>Size</th>
<th>Self Colour</th>
<th>Galvanised</th>
<th>Epoxy Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>mm</td>
<td>(code)</td>
<td>(code)</td>
</tr>
<tr>
<td>10</td>
<td>250</td>
<td>09FA580</td>
<td>09FA537</td>
</tr>
<tr>
<td>12</td>
<td>300</td>
<td>09FA581</td>
<td>09FA538</td>
</tr>
<tr>
<td>14</td>
<td>350</td>
<td>09FA582</td>
<td>09FA539</td>
</tr>
<tr>
<td>16</td>
<td>400</td>
<td>09FA583</td>
<td>09FA540</td>
</tr>
<tr>
<td>18</td>
<td>450</td>
<td>09FA584</td>
<td>09FA541</td>
</tr>
<tr>
<td>20</td>
<td>500</td>
<td>09FA585</td>
<td>09FA542</td>
</tr>
<tr>
<td>24</td>
<td>600</td>
<td>09FA586</td>
<td>09FA543</td>
</tr>
<tr>
<td>26</td>
<td>650</td>
<td>09FA587</td>
<td>09FA544</td>
</tr>
<tr>
<td>30</td>
<td>750</td>
<td>09FA588</td>
<td>09FA545</td>
</tr>
</tbody>
</table>

*Code: 09FA549 or 09FA560*

**ESTATE PATTERN BANDS**

Double strap field gate alternative or heavy duty straight band. Suits 19mm pin.

<table>
<thead>
<tr>
<th>Size</th>
<th>Epoxy Black</th>
<th>Galvanised</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>mm</td>
<td>(code)</td>
</tr>
<tr>
<td>20</td>
<td>500</td>
<td>09FA549</td>
</tr>
<tr>
<td>24</td>
<td>600</td>
<td>09FA550</td>
</tr>
</tbody>
</table>

*Code: 09FA549 or 09FA560*
IRONMONGERY & ACCESSORIES

HOOK ONLY ON NARROW PLATE

- Pin diameter 16mm Matt Black Code: 09FA546
- Pin diameter 19mm Matt Black Code: 09FA547
- Pin diameter 19mm Galvanised Code: 0515821

HOOK ON PLATE

4" (100mm) square Epoxy Black Code: 09FA548

HOOKS TO DRIVE

- 5/8" 16mm Type 141 Galvanised Code: 09FA591
- 8 1/2" x 3/4" 215 x 19mm Black Code: 09FA12
- 8 1/2" x 3/4" 215 x 19mm Galvanised Code: 09FA15

HOOKS TO BOLT

- 5/8" 16mm Galvanised Type 182a Code: 09FA592
- 11" 275mm Galvanised Code: 09FA17
- 13" 325mm Galvanised Code: 09FA16
- 11" 275mm Epoxy Black Code: 09FA13
- 13" 325mm Epoxy Black Code: 09FA14

GATE HANGERS TO BOLT - 19mm PIN

For concrete or wooden posts.
- 14" 350mm Epoxy Black Code: 09FA556
- 16" 400mm Galvanised Code: 09FA555

ADJUSTABLE GATE EYE WITH TWO NUTS

For metal gates, supplied with two nuts.
- 4" x 3/8" 100 x 10mm BZP Code: 0700104
- 4" x 1/2" 100 x 12mm BZP Code: 0700124
- 4" x 5/8" 100 x 16mm BZP Code: 0700164
- 6" x 1/2" 150 x 12mm BZP Code: 0700126
- 6" x 5/8" 150 x 16mm BZP Code: 0700166
- 6" x 3/4" 150 x 20mm GALV Code: 0700206
- 6" x 1" 152 x 24mm GALV Code: 0700246
- 10" x 1" 254 x 24mm GALV Code: 07002410
- 12" x 1" 305 x 24mm GALV Code: 07002412

DOUBLE STRAP FIELD GATE HINGE SET WITH 24" TOP BANDS

- 24" 600mm Galvanised Code: 09FA593

HEAVY FIELD GATE - TOP BAND ONLY

Hanging fitment to suit 75mm gates of 2" x 1/4" (50 x 6mm)
- 18" 450mm Black Finish Code: 080490
- 24" 600mm Black Finish Code: 080491

HEAVY FIELD GATE - BOTTOM BAND ONLY

- 5" 125mm Black Finish Code: 080492

THROW OVER LOOPS FOR 3" GATES

Complete with 110mm bolt.
- 14" 350mm Epoxy Black Code: 09FA551
RISING HINGE SETS FOR 3" GATES

For use where gate needs to be opened over rough or uneven ground.

24" 600mm Galvanised Code: 09FA563

HEAVY PATTERN SUFFOLK GATE LATCHES

Suffolk latch complete with long thumb bit.
No.5 Galvanised Code: 09FA557

AUTO GATE CATCHES

Padlockable gate fastener for garden gates.
Galvanised Code: 09FA559

SELF LOCKING GATE CATCHES

Padlockable gate catch.
7" x 4 1/2" (177 x 114mm) Galvanised Code: 09FA560

FIELD GATE SPRING FASTENER SETS

Comprising spring latch, staple catch and keep complete with bolts.
Black Code: 080803

NORTHUMBERLAND PATTERN GATE FASTENER

Length of Chain - 304mm (12") Code: 09FA502
Finish - Galvanised

NZ GATE FASTENERS

With 1 metre chain and staple
Galvanised Code: 09FA503

WEIGHTY SCOTCH TEE HINGES (TYPE 119)

For heavy domestic gates. Material thickness up to 4mm.
16" 400mm Galvanised Code: 09FA588
18" 450mm Galvanised Code: 09FA589

MEDIUM TEE HINGES (TYPE 121)

A popular hinge common with stable manufacturers.
16" 400mm Galvanised Code: 09FA595

IF YOU CANNOT SEE YOUR EXACT REQUIREMENT, PLEASE CALL
IRONMONGERY & ACCESSORIES

HEAVY BRENTON PADLOCK BOLTS

Padlockable security bolt.
6" 150mm  Galvanised  Code: 09FA594

GATE EYES TO WELD ON

For welding on to flat section metal posts.
For 10mm  Code: 071010
For 12mm  Code: 071012
For 16mm  Code: 071016
For 19mm  Code: 071019
For 32mm  Code: 071030

GATE HOOKS TO WELD ON

For welding on to flat section metal posts.
10mm  Code: 072010
12mm  Code: 072012
16mm  Code: 072016
19mm  Code: 072019
32mm  Code: 072020

GATE RETURN SPRINGS

Tension adjustable and suitable for left or right hand use on domestic doors and gates.

<table>
<thead>
<tr>
<th>Size</th>
<th>Length</th>
<th>Epoxy Black</th>
<th>Electro Galvanised</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>200mm</td>
<td>0515.761.08</td>
<td>0515.762.08</td>
</tr>
<tr>
<td>10&quot;</td>
<td>250mm</td>
<td>0515.761.10</td>
<td>0515.762.10</td>
</tr>
</tbody>
</table>

GATE CLOSER

For gates up to 1 metre wide/50kgs.
Black Powder Coated  Code: 05.GC2000

GATE JOCKEY WHEELS

Code: 05.JW202  Galvanised body, enclosed spring, 400mm o.a
Code: 05.JW203  Black painted, 375mm o.a
Code: 05.JW204  Galvanised. 375mm o.a

MONKEY TAIL BOLTS

General duty monkey tail bolt.
12" 300mm  Galvanised  Code: 0515861
18" 450mm  Galvanised  Code: 0515862
24" 600mm  Galvanised  Code: 0515863

GATE HOOKS TO WELD ON

For welding on to flat section metal posts.
10mm  Code: 072010
12mm  Code: 072012
16mm  Code: 072016
19mm  Code: 072019
32mm  Code: 072020

GATE CLOSE TO CONCRETE IN

Code: 05.GC2000  Galvanised  Epoxy Black

GAS GATE CLOSER

Light Duty under 750mm wide  Code: 05.GC19
Heavy Duty over 750mm wide  Code: 05.GC22

CAST GRAVITY GATE CATCH

Galvanised  Code: 0515831
Epoxy Black  Code: 0515832

LIGHT PATTERN GRAVITY CATCH

Epoxy Black  Code: 0515882
GALVANISED WINDERS

Used with support wire for Chain Link Fencing.
A1 model  Code: 09FA506
Economy  Code: 0702009

GALVANISED RADISSEURS

Strong construction and wide body for straining long fencing runs
4"  100mm (small)  Galvanised  Code: 09FA531
4 3/4"  120mm (large)  Galvanised  Code: 09FA11

GALVANISED RATCHET POST RADISSEURS

For use on concrete or wooden posts.
Galvanised  Code: 09FA532

GALVANISED STRETCHER BARS

Slotted holes 20 x 11mm
Material  Length  For fencing  No. of  Code
Size mm  mm  mm  holes
20 x 5  910  900  3  0702016
20 x 5  1210  1200  3  0702017
20 x 5  1810  1800  3  0702018
20 x 5  2410  2400  4  0702019

GALVANISED ANGLE CLEATS

Slotted holes 19 x 11mm
38 x 38 x 5mm (for 8mm bolts)  Code: 0702028
38 x 38 x 5mm  Code: 09FA552
50 x 50 x 6mm  Code: 09FA553
75 x 50 x 6mm  Code: 09FA554

GALVANISED LOOP NUTS

Provides an anchor point for a new run of wire.
For M10 bolts  Code: 080804

STRAINING EYE BOLTS, NUTS & WASHERS

6" x 1/4"  Code: 0702027
6" x 3/8"  Code: 0702013
8" x 5/16"  Code: 0702014
8" x 3/8"  Code: 0702012
10" x 3/8"  Code: 0702011
12" x 3/8"  Code: 0702010

GALVANISED BARREL STRAINERS

With screw hook and eye.
M6 x 110mm body  Galvanised  Code: 0702026
M8 x 110mm body  Galvanised  Code: 0702022
M10 x 110mm body  Galvanised  Code: 0702023

SPIRAL LASHING RODS

A simple but very quick & effective way of joining rylock fencing.
6"  150mm  Galvanised  Code: 09FA515

TWISTLINK WIRE CONNECTORS

Tools are not required as the connector is fitted by hand.
Sheer simplicity of the connector makes fencing with high tensile wire a lot easier. Joints and terminations are made with the same unit and no bending of the wire is necessary.
For 3mm (10g) high tensile wire
Length 380mm (15") 3.25mm  Code: 09FA513
For 2.50mm (12g) spring steel wire
Length 350mm (13") 2.64mm  Code: 09FA514

HAIRPIN STAPLES/U LOOPS

To secure line wires to posts.
7" x 3/16"  177mm x 4mm  Bezinal coated  Box of 100  Code: 09FA558
CONE HEAD SECURITY SHEAR NUTS

6mm Code: 2302S6
10mm Code: 2302S10
12mm Code: 2302S12

TAMPER DRIVE SELF-DRILL ZINC PLATED SCREWS

5.5 x 25mm Code: 09FA527
5.5 x 38mm Code: 09FA528
6.0 x 40mm Code: 09FA529
Socket to suit tamper drive screws Code: 080221

SECURITY SCREWS

M8 x 40mm - Stainless steel Code: 09FA522
TOOL BIT to suit Security screws Code: 09FA598

POWER DRIVE SCREWS

M8 x 20mm - Mushroom head, self thread Code: 09FA523
M8 x 35mm - Mushroom head, self thread Code: 09FA524
M8 x 45mm - Mushroom head, self thread Code: 09FA525
TOOL BIT to suit Power Drive screws Code: 09FA562

ZINC PLATED THROUGH BOLTS

For fixing Vandgard, Anti-Vandal Scaling Barrier and Brackets to walls.

M8 x 90mm Code: 16248
M10 x 95mm Code: 162410
M12 x 100mm Code: 162412
M16 x 105mm Code: 162416

MESH-LOC SECURITY FASTENERS

SHOWN WITH CARTRIDGE PIN

Maximun Security Fabric & Wire Fastener
Dramatically reduces labour costs
Virtually impossible to remove

Stainless steel washer, with 6mm hole Code: 080220

MESH-LOC INSTALLATION

STEP 1
HOLD MESH-LOC WITH POINTED END FACING OUT

STEP 2
INSERT INTO THE TOOL

STEP 3
PRESS THE GUN AND MESH-LOC FIRMLY AGAINST THE FENCE WIRE AND POST, MAKING SURE THE GUN IS AIMED STRAIGHT AND AT A 90 DEGREE ANGLE INTO THE POST. FIRE

STEP 4
FINAL RESULT
**VINYL GATE HARDWARE**

TRU-CLOSE® safety gate hinges are injection-molded from super strong, UV-stabilised glass-fibre reinforced materials for many years of reliable and rust-free performance. Gates of different sizes and weights incur different loads, so the ability to adjust tension quickly is critical, especially in child safety areas. The unique, spring-loaded adjuster in TRU-CLOSE® hinges allows quick, incremental tension adjustment using only a screwdriver - it’s so easy!

**METAL GATES HINGE**

<table>
<thead>
<tr>
<th>Application</th>
<th>size mm</th>
<th>max wgt per pair</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Gates</td>
<td>23/23</td>
<td>25kg</td>
<td>09FA20</td>
</tr>
</tbody>
</table>

**WOODEN & METAL GATES HINGE**

<table>
<thead>
<tr>
<th>Application</th>
<th>size mm</th>
<th>max wgt per pair</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden &amp; Metal Gates</td>
<td>23/60</td>
<td>25kg</td>
<td>09FA21</td>
</tr>
</tbody>
</table>

**WOODEN & METAL GATES HINGE**

<table>
<thead>
<tr>
<th>Application</th>
<th>size mm</th>
<th>max wgt per pair</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden &amp; Metal Gates</td>
<td>50/50</td>
<td>60kg</td>
<td>09FA22</td>
</tr>
</tbody>
</table>

**WOODEN GATES HINGE**

<table>
<thead>
<tr>
<th>Application</th>
<th>size mm</th>
<th>max wgt per pair</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden Gates (Multi adjustable)</td>
<td>75/75</td>
<td>60kg</td>
<td>09FA23</td>
</tr>
</tbody>
</table>

**LOKK LATCH DELUXE**

<table>
<thead>
<tr>
<th>Application</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latch with External Access Kit</td>
<td>09FA24</td>
</tr>
<tr>
<td>Suitable for 150mm deep posts</td>
<td></td>
</tr>
</tbody>
</table>

**LOKK LATCH SERIES 2**

<table>
<thead>
<tr>
<th>Application</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latch 2 with External Access Kit</td>
<td>09FA25</td>
</tr>
<tr>
<td>Suitable for light domestic use</td>
<td></td>
</tr>
</tbody>
</table>

**GATE HANDLE**

<table>
<thead>
<tr>
<th>Gate material</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl, Wood, Metal</td>
<td>09FA26</td>
</tr>
</tbody>
</table>

**MAGNA-LATCH**

<table>
<thead>
<tr>
<th>Application</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>General purpose gate latch</td>
<td>09FA27</td>
</tr>
</tbody>
</table>
A system for sliding metal gates which is suitable for both commercial and industrial applications. Cantilever gates are ideal for security, traffic control or where road surfaces are uneven. The roadway is free of rails since the gate is supported by rollers which slide in a tubular track fitted to the bottom of the gate. The system is suitable for manual or automated gates.

- Ideal for uneven road surfaces
- No groundwork or track required between gate opening
- Quick & easy on-site installation
- Lower noise levels than traditional track and wheels
- Reduced maintenance

SEE PAGE 54
FOR INSTALLATION DETAILS

SEE PAGE 70
FOR ROBUSTA CANTILEVER GATES & BEKAMATIC MOTORISED CANTILEVER GATES
CANTILEVER GATE ACCESSORIES

LIGHT SERIES
FOR OPENINGS UP TO 4 METRES

Support Roller
Art No. 3901910

Guide Roller
Art No. 3901920

End Stop
Art No. 3901930

Fixing Bolts (4 pieces)
Art No. 3901940

Track
Art No. 3901P533 BLACK 3 METRES
Art No. 3901P536 BLACK 6 METRES
Art No. 3901P53Z3 GALV 3 METRES
Art No. 3901P53Z6 GALV 6 METRES

MEDIUM SERIES
FOR OPENINGS UP TO 5 METRES

Support Roller
Art No. 39021010

Guide Roller
Art No. 39021020

End Stop
Art No. 39021030

Fixing Bolts (4 pieces)
Art No. 39021040

Track
Art No. 3902P753 BLACK 3 METRES
Art No. 3902P756 BLACK 6 METRES
Art No. 3902P75Z3 GALV 3 METRES
Art No. 3902P75Z6 GALV 6 METRES
CANTILEVER GATE ACCESSORIES

HEAVY SERIES

FOR OPENINGS UP TO 10 METRES

Support Roller

Guide Roller

End Stop

Fixing Bolts (4 pieces)

Art No. 39032010

Art No. 39032020

Art No. 39032030

Art No. 39021040

FOR USE WITH ALL SERIES

Adjustable Upper Guide Bracket

Upper Guide Bracket with 2 Guide Rollers

Upper Guide Bracket with 4 Guide Rollers

Art No. 3904214

Art No. 3904218

Art No. 3904220

Art No. 3904221

R-KEM+ CHEMICAL FIXING
RAWL CARTRIDGE
Art No. 05RKEM

INSTALLATION

1. Drill hole to correct diameter and depth for stud size being used.

2. Clean the hole using brush and air three times.

3. Insert cartridge into cartridge gun and attach nozzle. Dispense to waste until an even colour and then pump into hole.

4. Insert stud or socket with a twisting action. Leave the anchor undisturbed until the resin has cured and then attach fixture.
### CANTILEVER GATE INSTALLATION

#### BRUNDLE

**Package Max:**
- Max. weight in the zone A: **p kg max**
- Max. weight per metre in the zone A: **p kg/m max**
- Dimensions in metres: **54**

---

#### LIGHT SERIES

(A = 4 MT, Max.)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>P kg max</th>
<th>F</th>
<th>T x U x H</th>
<th>C min</th>
<th>D</th>
<th>E</th>
<th>P kg/m max</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.50</td>
<td>0.740</td>
<td>60</td>
<td>2.290</td>
<td>0.950 x 0.5 x 0.7</td>
<td>0.350</td>
<td>0.195</td>
<td>0.30</td>
<td>40</td>
</tr>
<tr>
<td>1.75</td>
<td>0.750</td>
<td>70</td>
<td>2.590</td>
<td>1.000 x 0.5 x 0.7</td>
<td>0.400</td>
<td>0.185</td>
<td>0.30</td>
<td>40</td>
</tr>
<tr>
<td>2.00</td>
<td>0.840</td>
<td>80</td>
<td>2.880</td>
<td>1.050 x 0.5 x 0.7</td>
<td>0.450</td>
<td>0.185</td>
<td>0.30</td>
<td>40</td>
</tr>
<tr>
<td>2.25</td>
<td>0.900</td>
<td>90</td>
<td>3.190</td>
<td>1.100 x 0.5 x 0.7</td>
<td>0.500</td>
<td>0.185</td>
<td>0.30</td>
<td>40</td>
</tr>
<tr>
<td>2.50</td>
<td>0.950</td>
<td>100</td>
<td>3.500</td>
<td>1.160 x 0.5 x 0.7</td>
<td>0.560</td>
<td>0.185</td>
<td>0.30</td>
<td>40</td>
</tr>
<tr>
<td>2.75</td>
<td>1.030</td>
<td>110</td>
<td>3.830</td>
<td>1.240 x 0.5 x 0.7</td>
<td>0.640</td>
<td>0.185</td>
<td>0.30</td>
<td>40</td>
</tr>
<tr>
<td>3.00</td>
<td>1.170</td>
<td>120</td>
<td>4.220</td>
<td>1.360 x 0.5 x 0.7</td>
<td>0.780</td>
<td>0.185</td>
<td>0.30</td>
<td>40</td>
</tr>
<tr>
<td>3.25</td>
<td>1.310</td>
<td>130</td>
<td>4.610</td>
<td>1.520 x 0.5 x 0.7</td>
<td>0.920</td>
<td>0.185</td>
<td>0.30</td>
<td>40</td>
</tr>
<tr>
<td>3.50</td>
<td>1.450</td>
<td>140</td>
<td>5.000</td>
<td>1.660 x 0.5 x 0.7</td>
<td>1.060</td>
<td>0.185</td>
<td>0.30</td>
<td>40</td>
</tr>
<tr>
<td>3.75</td>
<td>1.650</td>
<td>150</td>
<td>5.450</td>
<td>1.860 x 0.5 x 0.7</td>
<td>1.260</td>
<td>0.185</td>
<td>0.30</td>
<td>40</td>
</tr>
<tr>
<td>4.00</td>
<td>1.890</td>
<td>160</td>
<td>5.940</td>
<td>2.160 x 0.5 x 0.7</td>
<td>1.500</td>
<td>0.185</td>
<td>0.30</td>
<td>40</td>
</tr>
</tbody>
</table>

#### MEDIUM SERIES

(A = 5 MT, Max.)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>P kg max</th>
<th>F</th>
<th>T x U x H</th>
<th>C min</th>
<th>D</th>
<th>E</th>
<th>P kg/m max</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50</td>
<td>1.120</td>
<td>125</td>
<td>3.670</td>
<td>1.200 x 0.5 x 0.9</td>
<td>0.600</td>
<td>0.290</td>
<td>0.30</td>
<td>50</td>
</tr>
<tr>
<td>2.75</td>
<td>1.210</td>
<td>135</td>
<td>4.010</td>
<td>1.290 x 0.5 x 0.9</td>
<td>0.690</td>
<td>0.290</td>
<td>0.30</td>
<td>50</td>
</tr>
<tr>
<td>3.00</td>
<td>1.500</td>
<td>150</td>
<td>4.350</td>
<td>1.380 x 0.5 x 0.8</td>
<td>0.780</td>
<td>0.250</td>
<td>0.30</td>
<td>50</td>
</tr>
<tr>
<td>3.25</td>
<td>1.390</td>
<td>155</td>
<td>4.690</td>
<td>1.470 x 0.5 x 0.8</td>
<td>0.870</td>
<td>0.250</td>
<td>0.30</td>
<td>50</td>
</tr>
<tr>
<td>3.50</td>
<td>1.480</td>
<td>175</td>
<td>5.030</td>
<td>1.560 x 0.5 x 0.8</td>
<td>0.960</td>
<td>0.250</td>
<td>0.30</td>
<td>50</td>
</tr>
<tr>
<td>3.75</td>
<td>1.570</td>
<td>185</td>
<td>5.370</td>
<td>1.650 x 0.5 x 0.8</td>
<td>1.050</td>
<td>0.250</td>
<td>0.30</td>
<td>50</td>
</tr>
<tr>
<td>4.00</td>
<td>1.680</td>
<td>200</td>
<td>5.730</td>
<td>1.760 x 0.5 x 0.8</td>
<td>1.160</td>
<td>0.250</td>
<td>0.30</td>
<td>50</td>
</tr>
<tr>
<td>4.25</td>
<td>1.840</td>
<td>215</td>
<td>6.140</td>
<td>1.860 x 0.5 x 0.8</td>
<td>1.320</td>
<td>0.250</td>
<td>0.30</td>
<td>50</td>
</tr>
<tr>
<td>4.50</td>
<td>2.030</td>
<td>225</td>
<td>6.580</td>
<td>2.110 x 0.5 x 0.8</td>
<td>1.510</td>
<td>0.250</td>
<td>0.30</td>
<td>50</td>
</tr>
<tr>
<td>4.75</td>
<td>2.270</td>
<td>235</td>
<td>7.070</td>
<td>2.350 x 0.5 x 0.8</td>
<td>1.750</td>
<td>0.250</td>
<td>0.30</td>
<td>50</td>
</tr>
<tr>
<td>5.00</td>
<td>2.520</td>
<td>250</td>
<td>7.670</td>
<td>2.600 x 0.5 x 0.7</td>
<td>2.000</td>
<td>0.250</td>
<td>0.30</td>
<td>50</td>
</tr>
</tbody>
</table>

#### HEAVY SERIES

(A = 10 MT, Max.)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>P kg max</th>
<th>F</th>
<th>T x U x H</th>
<th>C min</th>
<th>D</th>
<th>E</th>
<th>P kg/m max</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.00</td>
<td>1.480</td>
<td>280</td>
<td>5.530</td>
<td>1.600 x 0.6 x 0.9</td>
<td>0.900</td>
<td>0.290</td>
<td>0.35</td>
<td>70</td>
</tr>
<tr>
<td>4.50</td>
<td>1.580</td>
<td>315</td>
<td>6.130</td>
<td>1.700 x 0.6 x 0.9</td>
<td>1.000</td>
<td>0.290</td>
<td>0.35</td>
<td>70</td>
</tr>
<tr>
<td>5.00</td>
<td>1.680</td>
<td>325</td>
<td>6.730</td>
<td>1.800 x 0.6 x 0.8</td>
<td>1.100</td>
<td>0.290</td>
<td>0.35</td>
<td>70</td>
</tr>
<tr>
<td>5.50</td>
<td>1.880</td>
<td>355</td>
<td>7.430</td>
<td>2.200 x 0.6 x 0.7</td>
<td>1.200</td>
<td>0.290</td>
<td>0.45</td>
<td>65</td>
</tr>
<tr>
<td>6.00</td>
<td>2.030</td>
<td>360</td>
<td>8.080</td>
<td>2.350 x 0.6 x 0.7</td>
<td>1.450</td>
<td>0.290</td>
<td>0.45</td>
<td>65</td>
</tr>
<tr>
<td>6.50</td>
<td>2.250</td>
<td>390</td>
<td>8.830</td>
<td>2.600 x 0.6 x 0.6</td>
<td>1.700</td>
<td>0.290</td>
<td>0.45</td>
<td>65</td>
</tr>
<tr>
<td>7.00</td>
<td>2.380</td>
<td>395</td>
<td>9.430</td>
<td>2.700 x 0.6 x 0.6</td>
<td>1.800</td>
<td>0.290</td>
<td>0.45</td>
<td>65</td>
</tr>
<tr>
<td>7.50</td>
<td>2.700</td>
<td>413</td>
<td>10.290</td>
<td>3.120 x 0.6 x 0.6</td>
<td>2.120</td>
<td>0.290</td>
<td>0.50</td>
<td>55</td>
</tr>
<tr>
<td>8.00</td>
<td>2.780</td>
<td>400</td>
<td>10.830</td>
<td>3.200 x 0.6 x 0.6</td>
<td>2.200</td>
<td>0.290</td>
<td>0.50</td>
<td>55</td>
</tr>
<tr>
<td>8.50</td>
<td>3.080</td>
<td>425</td>
<td>11.630</td>
<td>3.500 x 0.6 x 0.6</td>
<td>2.500</td>
<td>0.290</td>
<td>0.50</td>
<td>55</td>
</tr>
<tr>
<td>9.00</td>
<td>3.480</td>
<td>450</td>
<td>12.530</td>
<td>3.900 x 0.6 x 0.6</td>
<td>2.900</td>
<td>0.290</td>
<td>0.50</td>
<td>55</td>
</tr>
<tr>
<td>9.50</td>
<td>3.880</td>
<td>475</td>
<td>13.430</td>
<td>4.500 x 0.6 x 0.6</td>
<td>3.300</td>
<td>0.290</td>
<td>0.60</td>
<td>50</td>
</tr>
<tr>
<td>10.00</td>
<td>4.380</td>
<td>500</td>
<td>14.430</td>
<td>5.000 x 0.6 x 0.6</td>
<td>3.800</td>
<td>0.290</td>
<td>0.60</td>
<td>50</td>
</tr>
</tbody>
</table>

**P kg max:** Max. weight in the zone A  
**p kg/m max:** Max. weight per metre in the zone A  
**Dimensions in metres:** 54
This system is designed for straight sliding doors and suitable for most industrial, commercial and agricultural applications. The doors are top hung on cold rolled galvanised steel tracks.

<table>
<thead>
<tr>
<th>PART No.</th>
<th>TRACK LENGTH</th>
<th>DOOR WEIGHT</th>
<th>DOOR SIZE</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>TRACK LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>41K1502</td>
<td>2</td>
<td>150</td>
<td>8</td>
<td>47</td>
<td>36</td>
<td>2</td>
</tr>
<tr>
<td>41K1503</td>
<td>3</td>
<td>300</td>
<td>20</td>
<td>65</td>
<td>55</td>
<td>2</td>
</tr>
<tr>
<td>41K5002</td>
<td>2</td>
<td>500</td>
<td>25</td>
<td>65</td>
<td>55</td>
<td>2.5</td>
</tr>
<tr>
<td>41K5003</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

Stock track lengths: 2 and 3 metres

TIPS FOR ORDERING & INSTALLATION
1. Track to be twice the width of the door
2. Brackets at 1m centres plus the end bracket i.e. 6m track = 7 brackets
3. Hangers - only 2 per door
4. End Clips - must be fitted to stop the track creeping
5. Decide on the type of floor channel required and order twice the width of the door
6. Floor or wall mounted door jams or stops must be fitted

Light Duty Track
41K1502 = 2 metres
41K1503 = 3 metres

Medium Duty Track
41K3002 = 2 metres
41K3003 = 3 metres

Heavy Duty Track
41K5002 = 2 metres
41K5003 = 3 metres

Capacities shown with brackets at 1 metre centres

Art. 41AOK  25 x 25mm
Light duty channel for surface fixing, 2.1 metre not pre-drilled

Art. 41253  25 x 27mm
Heavy duty channel for Sliding Door Gear, 3 metres pre-drilled, to be let into concrete floors

Guide Channels
Note: Channel AOK is only suitable for pedestrian traffic when fitted as a ground channel.

Art. 41AUK
Guide roller for Sliding Door Gear
For use on Metal Doors

Art. 414025B
Guide with plate for Sliding Door Gear
The FROG “pair of gates” underground gate kit will operate gates up to 3.5m each leaf regardless of which way hung and of hinge geometry.

**Pair of Gates Kit includes:**
- 2 x underground casings
- 2 x underground motors 240V
- 1 x control panel 240V
- 1 x radio receiver
- 1 x tuned antenna
- 2 x remote control handsets
- 1 x pair safety photocells
- + Full installation guide

Art No: 21FROGP (pair)
Art No: 21FROGS (single)

**24V MODELS AVAILABLE**
**PLEASE ASK FOR A BROCHURE**

**ATI WORM DRIVE KIT**

The ‘ATI’ kits are mainly designed to automate gates that need a strong and powerful motor to move them successfully.

**Pair of Gates Kit includes:**
- 2 x ati motors 240V
- 1 x control panel 240V
- 1 x radio receiver
- 1 x tuned antenna
- 2 x remote control handsets
- 1 x pair safety photocells
- + Full installation guide

Art No: 21ATIS

**Art No: 21ATIP**

**FREE, TECHNICAL HELPLINE 0800 970 6655**
The ‘KRONO’ kit is a complete system for a pair of wing gates up to 2.5m each leaf and is most commonly used in small hinge geometry situations. The motors are worm driven and are very strong and provide very smooth operation. The ‘KRONO’ kit is a cost effective method of providing a complete automation system for small hinge geometry gates. The kit also comes with a comprehensive installation guide.

**GUIDE RAIL FOR SLIDING GATES - GALVANISED**

- **Art. GD616Z3**
  - Light Duty
  - 50mm H x 50mm W
  - 16mm track x 3 metres
  - For 20mm round groove wheels

- **Art. GD620Z3**
  - Heavy Duty
  - 60mm H x 60mm W
  - 20mm track x 3 metres
  - For 30mm round groove wheels

- **Art. GD620Z6**
  - as above but x 6 metres

**COUPLING PLATES**

- **Art. GD616G** for Light Duty Rail
- **Art. GD620G** for Heavy Duty Rail

**WHEELS FOR SLIDING GATES/DOORS**

- **Light model wheel Round groove**
  - Art. 15.060  60 X 20 mm
  - Art. 15.062  80 X 20 mm
  - Art. 15.063  100 X 20 mm

- **Heavy model wheel Round groove**
  - Art. 15.067  100 X 30 mm
  - Art. 15.068  120 X 30 mm

- **With Support Bracket Round groove**
  - Art. 15.092  120 X 20 mm
  - Art. 15.094  120 X 30 mm

- **With Support Bracket V groove**
  - Art. 15.096  120 X 20 mm

- **Light model wheel V groove**
  - Art. 15.072  60 X 20 mm
  - Art. 15.075  100 X 20 mm
  - Art. 15.076  120 X 20 mm

Full Catalogue Available on Request
Log on to our website: www.fhbrundleelectricgates.co.uk
WHENEVER there is limited space in an entrance, an electric sliding gate which takes up little or no room is the ideal solution.

WHENEVER the driveway entrance turns sharply to the right or the left and a wing type gate would form an obstruction to the turning vehicle, then an electric sliding gate is the ideal solution.

WHENEVER extra security is required and the driveway needs to be securely closed off by the electric gate, then the electric sliding gate forms the ideal solution.

BX 800Kg sliding gate motor which uses ART No: 21CGZ toothed gate rack

BK 1200Kg sliding gate motor which uses ART No: 21CGZ toothed gate rack

FOR 2200Kg Kit - ART No: 21BK2200K
FOR 3500Kg Kit - ART No: 21BY3500T

800 Kg Kit includes:
1 x BX motor 240V with built-in control panel
1 x radio receiver
1 x tuned antenna
2 x remote control handsets
1 x pair safety photocells
+ Full installation guide

Art No: 21BXBKKIT

1200 Kg Kit includes:
1 x BK motor 240V with built-in control panel
1 x radio receiver
1 x tuned antenna
2 x remote control handsets
1 x pair safety photocells
+ Full installation guide

Art No: 21BK1200KIT

FULL RANGE OF CANTILEVER ACCESSORIES AVAILABLE. SEE PAGES 51 TO 53 FOR DETAILS.
TUBE CLAMPS

EASY TO USE

Tube Clamp fittings are manufactured with simplicity and ease of use very much in mind. No special skills are required - no welding, no bending, no threading, just an Allen key to tighten the set screws and you can join tubing together in a matter of seconds. The comprehensive range of fittings and sizes means Tube Clamps can be used in a wide variety of applications, temporary or permanent.

For example in the construction of -

Handrails
Safety Barriers
Awnings & Carports
Support Structures
Children's Play Equipment

Market Stalls
Exhibition Stands
Temporary Buildings
Lighting Grids
Pallet or Garment Racking

EASY TO ORDER

As with the fittings we've also made ordering simple. Each illustration in this manual carries a number - for example 101. Look under the type column and you will see that this fitting is available in five different sizes ABCDE. Each of these letters refers to the size of the tube on which the fitting is to be used as indicated below.

No letter after the fitting number indicates that size is not available at the time of printing.
For example 191 is only available to suit size D tubing.

SEE NEXT PAGES FOR ILLUSTRATIONS

GALVANISED TUBE TO BS 1387 IN LENGTHS OF APPROX. 6.5 METRES
ALSO AVAILABLE IN 3, 1.450 & 1.075 METRE LENGTHS

GALVANISED TUBE TO BS 1387 IN LENGTHS OF APPROX. 6.5 METRES
ALSO AVAILABLE IN 3, 1.450 & 1.075 METRE LENGTHS

NOTE: The standard finish is hot-dipped galvanised to BS EN ISO 1461
Tube Clamps can also be supplied, to order, polyester powder coated, in a range of colours.

Whilst every care has been taken to ensure that the information given in this manual is correct, F.H.Brundle reserve the right to alter and revise this information as and when they consider it necessary. This is in line with their policy of research and development.
A size to suit 26.9mm O.D. Tube  B size to suit 33.7mm O.D. Tube  C size to suit 42.4mm O.D. Tube  D size to suit 48.3mm O.D. Tube  E size to suit 60.3mm O.D. Tube

101 Short Tee
104 Long Tee
116 Corner with through centre tube
119 Two Socket Cross with centre vertical tube
124 Variable Elbow 15° - 60° from horizontal
125 90° Elbow
126 Angle Cross for slope up to 45°
127 Angle Tee for slope up to 45°
128 3 Way 90° Elbow
129 Adjustable Short Tee 30° - 60°
130 Two Socket Cross with adjustable centre 30° - 45°
131 Wall Flange
132 Railing Base Flange
133 Stop Ends (plastic)
134 Ground Socket
135 Clamp on Tee
138 Gate Eye
140 Gate Hinge
143 Handrail Bracket
144 Railing Side Support vertical base
145 Railing Side Support horizontal base
146 Side Palm Fixing
147 Internal Swivel Tee
148 Short Swivel Tee
149 Sleeve Joint
150 Internal Joint
158 Four Way Cross with centre tube
160 Clamp on Crossover
161 90° Crossover Also available in C/B, D/C, D/B
165 Combination Socket tee and crossover
167 Double Swivel Combination
167M Double Male Section of Swivel

Drilled to order, state angle required
DELIVERY IN 10 DAYS

These fittings are not to be used as a base plate for guardrails or dependent structures
No structure should be built using swivel fittings only

* The fittings marked are not designed to withstand lateral loadings
❋❋ The fittings marked are not designed to withstand lateral loadings

Used in pairs

Delivered to order, state angle required
DELIVERY IN 10 DAYS
HANDRAIL SLOPE FITTINGS

Base Flange
allows slope up to 11°

152D BASE FLANGE
UPRIGHT PIVOTS UP TO 11° FROM VERTICAL

Short Tee
allows slope up to 11°

153D SHORT TEE
JOINS MIDDLE RAIL TO END UPRIGHTS ON SLOPES UP TO 11°

Elbow
allows slope up to 11°

154D ELBOW
JOINS TOP RAIL TO END UPRIGHTS ON SLOPES UP TO 11°

Long Tee
allows slope up to 11°

155D LONG TEE
JOINS INTERMEDIATE UPRIGHTS TO TOP RAIL ON SLOPES UP TO 11° ALSO ACTS AS A SLEEVE JOINT

Two Socket Cross
allows slope up to 11°

156D TWO SOCKET CROSS
JOINS INTERMEDIATE UPRIGHTS TO MIDDLE RAIL ON SLOPES UP TO 11° UPRIGHT PASSING THROUGH THE FITTING

WE CAN SUPPLY MESH INFILL PANELS

For railings required on slopes and ramps between 0-11 degrees
Available to suit 48.3mm O.D. tube (D Size)

N.B The tolerance on standard Tube Clamp fittings is between 3 and 5 degrees

GATE CONSTRUCTION

HEAVY DUTY GATE HINGE

Tighten the grubscrew on the 147 to the gate.
Tighten the grubscrew on the 101 to the 147.
Tighten the grubscrew on the 179 to the upright.
Leave the grubscrew on the 101 to the upright loose.
HANDRAIL FITTINGS FOR DISABLED ACCESS

For uprights use Type D tube (48.3mm O.D.) For horizontal use Type C tube (42.4mm O.D.)

Designed to satisfy the requirements of Part ‘M’ of the Building Regulations 2004

The DDA Range

Diagram shows a typical DDA range installation.

Fittings indicated using number key as above.
The DDA fittings are iron castings, galvanised to BS EN ISO 1461.
Suitable for stairs, ramps and walkways.

The DDA range conforms to the requirement for smooth, continuous handrail.
POST BOXES

STEEL POST BOXES

<table>
<thead>
<tr>
<th>Art.</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.925</td>
<td>Grey</td>
</tr>
<tr>
<td>16.926</td>
<td>Green</td>
</tr>
<tr>
<td>16.927</td>
<td>Red</td>
</tr>
<tr>
<td>16.928</td>
<td>Black</td>
</tr>
</tbody>
</table>

H. 420 x L. 280 x 230mm Deep
FRONT OPENING

<table>
<thead>
<tr>
<th>Art.</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.935</td>
<td>Grey</td>
</tr>
<tr>
<td>16.936</td>
<td>Green</td>
</tr>
<tr>
<td>16.937</td>
<td>Red</td>
</tr>
<tr>
<td>16.938</td>
<td>Black</td>
</tr>
</tbody>
</table>

H. 420 x L. 280 x 230mm Deep
REAR OPENING

<table>
<thead>
<tr>
<th>Art.</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.945</td>
<td>Grey</td>
</tr>
<tr>
<td>16.946</td>
<td>Green</td>
</tr>
<tr>
<td>16.947</td>
<td>Red</td>
</tr>
<tr>
<td>16.948</td>
<td>Black</td>
</tr>
</tbody>
</table>

H. 415 x L. 375 x 200mm Deep

CAST ALUMINIUM POST BOXES

<table>
<thead>
<tr>
<th>Art.</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.034</td>
<td>Red</td>
</tr>
<tr>
<td>16.035</td>
<td>Red-Wine</td>
</tr>
<tr>
<td>16.036</td>
<td>Metallized Light grey</td>
</tr>
<tr>
<td>16.037</td>
<td>Green</td>
</tr>
<tr>
<td>16.038</td>
<td>Cast iron grey</td>
</tr>
<tr>
<td>16.039</td>
<td>Black</td>
</tr>
</tbody>
</table>

H. 410 x L. 260 x 90mm Deep

<table>
<thead>
<tr>
<th>Art.</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.040</td>
<td>Red</td>
</tr>
<tr>
<td>16.041</td>
<td>Red-Wine</td>
</tr>
<tr>
<td>16.042</td>
<td>Metallized Light grey</td>
</tr>
<tr>
<td>16.043</td>
<td>Green</td>
</tr>
<tr>
<td>16.044</td>
<td>Cast iron grey</td>
</tr>
<tr>
<td>16.045</td>
<td>Black</td>
</tr>
</tbody>
</table>

H. 465 x L. 298 x 96mm Deep

POST MOUNTED

<table>
<thead>
<tr>
<th>Art.</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.952</td>
<td>Black</td>
</tr>
</tbody>
</table>

H. 285 x W. 280 x 145mm Deep

LARGE INDUSTRIAL POST BOXES

STRONG AND DURABLE, MADE FROM 0.9mm ZINTEC MILD STEEL
AND COLOUR POWDER COATED FOR EXTERNAL FIXING
APERTURE: 405 x 55mm

<table>
<thead>
<tr>
<th>Art.</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.905</td>
<td>Dark Grey Hammer</td>
</tr>
<tr>
<td>16.906</td>
<td>Green</td>
</tr>
<tr>
<td>16.907</td>
<td>White</td>
</tr>
<tr>
<td>16.908</td>
<td>Red</td>
</tr>
</tbody>
</table>

H. 660 x W. 413 x 230mm Deep

LARGE SLIMLINE

64
**POST BOXES**

**SMALL STAINLESS STEEL**
- H. 285 x W. 280 x 145mm Deep
- Art. 16.954 Silver/Black

**STAINLESS STEEL WITH NEWSPAPER HOLDER**
- H. 430 x W. 405 x 120mm Deep
- Art. 16.953 Silver

**REAR OPENING**
- H. 285 x W. 280 x 145mm Deep
- Art. 16.960 Black

**FRONT OPENING**
- H. 285 x W. 280 x 145mm Deep
- Art. 16.965 Black

**WALL MOUNTED**
- H. 285 x W. 280 x 145mm Deep
- Art. 16.951 Black

**TOP OPENING**
- H. 385 x W. 285 x 100mm Deep
- Art. 16.950 Black

**CIGARETTE BINS**

**SMALL**
- Art. 16.992
  - H.330 x W.145 x D.60 mm
  - BLACK POWDER COATED GALVANISED STEEL CASING

**MEDIUM**
- Art. 16.990
  - H.290 x W.270 x D.155 mm
  - BRUSHED STAINLESS STEEL FRONT BLACK POWDER COATED GALVANISED STEEL CASING

**LARGE**
- Art. 16.991
  - H.400 x W.270 x D.135 mm
  - BRUSHED STAINLESS STEEL FRONT BLACK POWDER COATED GALVANISED STEEL CASING
**LONG LINK CHAIN**

**WELDED LONG LINK CHAIN**

**GALVANISED (Sold by the Metre)**

- **Art No. 05C0236**
  - 6.5mm dia. x 36mm

- **Art No. 05C0226**
  - 4mm dia. x 26mm

**OTHER SIZES TO ORDER**

**WELDED SPIKED LONG LINK**

**GALVANISED (Sold by the Metre)**

- **Art No. 05C0204**
  - 6mm Spiked Alternate Link

**QUICK REPAIR LINK**

- **Art No. 1415**
  - 6mm BZP

**CHAIN FITTINGS**

**STAPLE ON PLATE**

For permanently fixing chain or rope to a wall, fence or post

<table>
<thead>
<tr>
<th>Staple x Plate (mm)</th>
<th>Finish</th>
<th>Art No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2 x 2&quot; (35 x 50)</td>
<td>Galvanised</td>
<td>0505CF01</td>
</tr>
</tbody>
</table>

**HOOK ON PLATE**

End fitting for mounting onto fence posts or walls

<table>
<thead>
<tr>
<th>Hook x Plate (mm)</th>
<th>Finish</th>
<th>Art No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5 x 2&quot; (65 x 50)</td>
<td>Galvanised</td>
<td>0505CF02</td>
</tr>
</tbody>
</table>

**SINGLE HOOK**

To attach chain to 4" wood and concrete end posts

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>Finish</th>
<th>Art No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot; (10)</td>
<td>Galvanised</td>
<td>0505CF03</td>
</tr>
</tbody>
</table>

**DOUBLE HOOK**

To attach chain to 4" wood and concrete intermediate posts

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>Finish</th>
<th>Art No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot; (10)</td>
<td>Galvanised</td>
<td>0505CF04</td>
</tr>
</tbody>
</table>

**"D" SHACKLE**

- **Art No. 1418**
  - 6mm "D" shackle Galvanised
- **Art No. 1419**
  - 8mm "D" shackle Galvanised

**SECURITY POSTS**

**HINGED TYPE**

- **Code: 05SP01**
  - 830mm HIGH
  - PADLOCK INCLUDED
  - CAN BE SUPPLIED KEYED ALIKE
  - SPARE/EXTRA PADLOCK
  - 60mm BRASS
  - **Code: 05SP01PLK**

**REMOVABLE TYPE**

- **Code: 05SP02**
  - 800mm ABOVE GROUND
  - 280mm BELOW GROUND
  - 5 LEVER DEADLOCK BUILT IN
  - CAN BE SUPPLIED KEYED ALIKE
**Sentinel Convex Play**

Convex Play is a **CHILD SAFE** Bowtop railing system, specifically designed to meet the safety standards demanded for schools, play and residential areas.

The projection of the bow top from the horizontal rail and spacing of the vertical tube are specifically positioned to avoid the trapping of young children.

Panels have a unique custom rolled 'C' section horizontal rail and posts are supplied with a tamper proof aluminium cap.

Standard range of heights are available from 1m to 1.5m high.

---

**Sentinel Convex Bow Top**

Sentinel Convex Bow Top is a round tube bow top railing system.

Vertical tubes are 25.4mm diameter.

Panels have a unique custom rolled 'C' section horizontal rail and a standard range of heights are available from 1.5m to 2.4m high.

---

**Sentinel Convex**

Sentinel Convex is a round vertical tube railing system.

Vertical tubes are 25.4mm diameter. The tops of the vertical tubes are supplied with optional flat cut or angle cut profile.

Panels have a unique custom rolled 'C' section horizontal rail and a standard range of heights are available from 1.5m to 2.4m high.

---

**Sentinel Matrix**

Sentinel Matrix is a square vertical tube railing system.

Verticals are 25.4mm x 25.4mm square tubes and are positioned diamond to view to give maximum strength and aesthetic appearance.

The tops of the vertical tubes are supplied with optional flat cut or angle cut profile.

Panels have a unique custom rolled 'C' section horizontal rail and a standard range of heights are available from 1.5m to 2.4m high.
**Sentinel Multi-Games**

This system is ideally suited to a games containment area, with provision for recessed goal areas and increased heights across goal ends or goal areas.

---

**Multi-Games Fixing System**

2.5mm custom rolled 'U' channel cover plates. Complete with M8 x 60 stainless steel tri-lobe bolts and washers.

---

**Sentinel Multi-Sports & Multi-Sports Plus**

These systems are ideally suited for football, urban kick around areas, hockey and basketball and may be tailored to suit specific requirements i.e reinforced and recessed goal areas, increased height across goal ends or goal areas. **Multi-Sports Plus** has additional **cross rails** to give lateral reinforcement for maximum resistance to heavy impact.

- Varimesh
- Make up Panel
- Rebound Mesh
**Robusta® Swing Gates**

Single and double leaf manually operated. Robusta gates are purpose designed to minimise the number of components for fence assembly.

All gates are supplied complete with instructions for assembly and erection.

For use with the following fencing products:
Nylofor 3D, Nylofor 2D, Nylofor 2D Super, Nylofor 3D Super, Nylofor 3-M, Nylofor 3D PRO, Securifor 3D, Securifor 2D, Securifor 358 and Securifor Super 6, Paladin, Paladin FX, Roll Top, Hi-Fast Super 70.

**Features -**

- Concealed mortice lock fitted inside of frame with interlocking slam plates to prevent levering apart. Handle or key operated supplied with profiled cylinder lock and 3 keys.
- Slip latch option available.
- Fully adjustable hinges, rear hung to prevent tampering.
- Lockable ground bolts on single and double gates. Anti-lift brackets on double leaf gates only.
- Standard gate available inward opening.
- All gates supplied as free standing posts. N.B. additional fence posts required.
- Optional serrated topping to deter scaling.

**Available in Single and Double leaf for fence heights -** 1000, 1200, 1500, 1800, 2000 & 2400mm

**In Gate widths -** 1.0, 1.2, 1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0 & 8.0 metres
Robusta® Cantilever Sliding Gates

Robusta® Cantilever sliding gates offer high durability and security and are very easily installed. Robusta gates are extraordinarily solid due to their section and the complete welded construction.

Robusta gates integrate perfectly with all professional Betafence systems.

Bekamatic® Motorised Cantilever Gates

The Bekamatic motorisation and steering is integrated in the Robusta cantilever sliding gates. A unique concept developed entirely by Betafence Engineering.

Motorisation, steering, electronics and access control are finished and fully integrated in the gate structure.

Pre-assembled prior to delivery.

Robusta® Sliding Gates on a Rail

Robusta bottom track sliding gates have internal guiding posts bridge, a rail with accessories and 2 closing posts bridge with lock.
The Gabion System offers the customer the most cost effective and rapidly deployed retaining wall system. Manufactured from welded mesh produced in the UK, our products are available in both Galvanised and PVC coated finishes.

All products carry BBA and CE certification and conform to all relevant British and European specifications.

The mesh configuration is nominally 75mm x 75mm and all gabions should be filled with a frost resistant durable stone such as limestone or granite of block size 100-200mm.

A variety of wire diameters are available, 3mm & 4.55mm Galvanised, 2.70mm and 3.80mm PVC coated or Stainless steel in 304 or 316 quality.

The Gabions are available to order in just about any dimension to suit the mesh size, but the following sizes are available from stock.

1m x 1m x 1m
2m x 1m x 1m
2m x 1m x 0.5m
1.5m x 1m x 1m

The Gabion System is the only system available in the market to feature factory fitted helical joints for the quickest possible assembly time. Additional accessories are also available on request to further reduce assembly and installation time.

Gabions are supplied flat packed with all vertical joints connected with continuous spiral coils. Lacing wire is supplied as standard.

Joining pins are used at the front and rear connections of each adjacent unit and take only seconds to fit. Traditional lacing methods are far more time consuming and less reliable.

The preformed spiral joint provides the quickest and safest joint to gabion panels. If fitted correctly the spiral coil will conceal any possible sharp edges of the steel mesh, making them ideal for use in public spaces.