

All steel, self-drilling screws with an internal thread for suspension of threaded rod from steel beams or purlins. Different versions for vertical or horizontal installation. Supplied with a back nut for extra security and increased loading, where required.

Also Gash Point versions for fixing into timber joists and beams.



Vertical Hanger Light Section

| Part Number | Thread Diam.<br>inches | Thread and Point Length<br>mm | Point Type | Steel Thickness<br>mm | Internal Thread | Thread Length<br>mm |
|-------------|------------------------|-------------------------------|------------|-----------------------|-----------------|---------------------|
| MFL55M0825V | ¼                      | 25                            | No. 3      | 1.2-3.0               | M08             | 12.0                |
| MFL55M0838V | ¼                      | 38                            | No. 3      | 1.2-3.0               | M08             | 12.0                |
| MFL55M1025V | ¼                      | 25                            | No. 3      | 1.2-3.0               | M10             | 12.0                |
| MFL55M1038V | ¼                      | 38                            | No.3       | 1.2-3.0               | M10             | 12.0                |



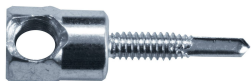
Vertical Hanger Heavy Section

| Part Number | Thread Diam. | Thread and Point Length<br>mm | Point Type | Steel Thickness<br>mm | Internal Thread | Internal Thread Length<br>mm |
|-------------|--------------|-------------------------------|------------|-----------------------|-----------------|------------------------------|
| MFH55M1032V | 12g (5.5mm)  | 38                            | No. 5      | 4.0-12.5              | M10             | 12.0                         |



Horizontal Hanger Light Section

| Part Number | Thread Diam.<br>inches | Thread and Point Length<br>mm | Point Type | Steel Thickness<br>mm | Internal Thread Diam.<br>mm | Internal Thread Length<br>mm |
|-------------|------------------------|-------------------------------|------------|-----------------------|-----------------------------|------------------------------|
| MFL55M0825H | ¼                      | 25                            | No. 3      | 1.2-3.0               | 8.0                         | 12.0                         |
| MFL55M1025H | ¼                      | 25                            | No. 3      | 1.2-3.0               | 10.0                        | 12.0                         |
| MFL55M1038H | ¼                      | 38                            | No. 3      | 1.2-3.0               | 10.0                        | 12.0                         |



Horizontal Hanger Heavy Section

| Part Number | Thread Diam. | Thread and Point Length<br>mm | Point Type | Steel Thickness<br>mm | Internal Thread | Internal Thread Length<br>mm |
|-------------|--------------|-------------------------------|------------|-----------------------|-----------------|------------------------------|
| MFH55M1032V | 12g (5.5mm)  | 38                            | No. 5      | 4.0-12.5              | M10             | 12.0                         |



# Self Drilling Hangers

Gash point screws are for fixing to timber and will also drill through thin steel before screwing into the timber



Gash Point Vertical Hanger

| Part Number | Thread Diam.<br>inches | Thread and Point Length<br>mm | Point Type | Steel Thickness<br>mm | Internal Thread | Internal Thread Length<br>mm |
|-------------|------------------------|-------------------------------|------------|-----------------------|-----------------|------------------------------|
| GP63M0825V  | 1/4                    | 25                            | -          | 0.7-1.4               | M08             | 12.0                         |
| GP63M0850V  | 1/4                    | 50                            | -          | 0.7-1.4               | M08             | 12.0                         |
| GP63M1025V  | 1/4                    | 25                            | -          | 0.7-1.4               | M10             | 12.0                         |
| GP63M1050V  | 1/4                    | 50                            | -          | 0.7-1.4               | M10             | 12.0                         |
| GP79M1063V  | 5/16                   | 63                            | -          | 0.7-1.4               | M10             | 12.0                         |



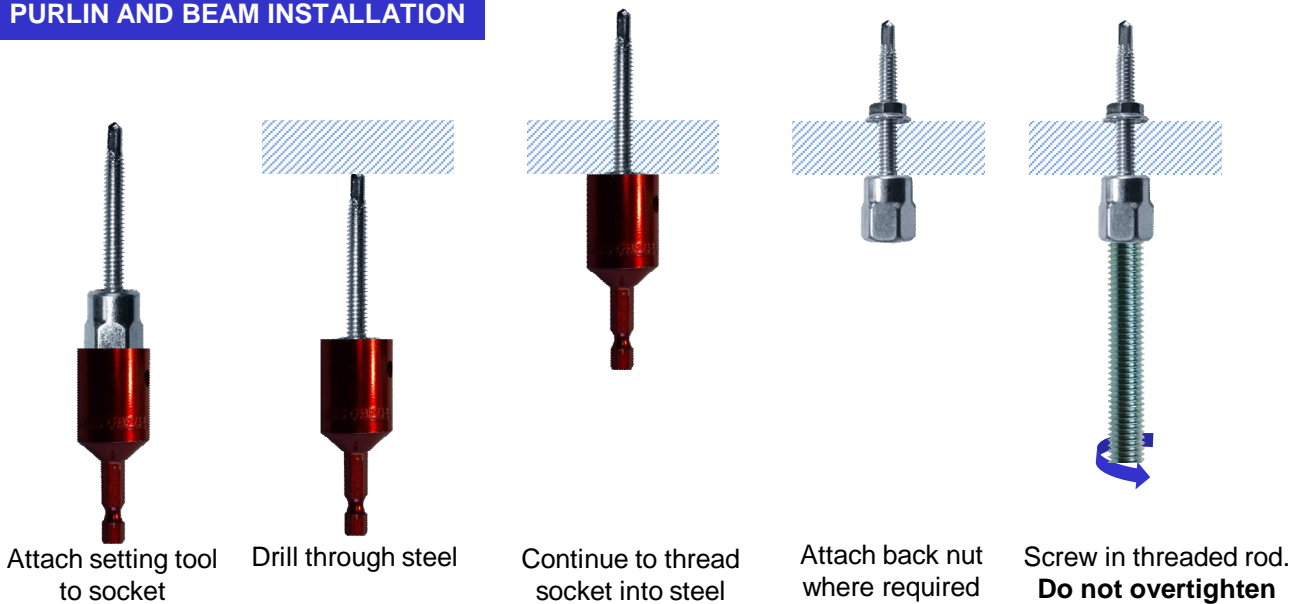
Gash Point Horizontal Hanger

| Part Number | Thread Diam. | Thread and Point Length<br>mm | Point Type | Steel Thickness<br>mm | Internal Thread | Internal Thread Length<br>mm |
|-------------|--------------|-------------------------------|------------|-----------------------|-----------------|------------------------------|
| GP63M0825H  | 1/4          | 25                            | -          | 0.7-1.4               | M08             | 12.0                         |
| GP63M1025H  | 1/4          | 25                            | -          | 0.7-1.4               | M10             | 12.0                         |
| GP63M1050H  | 1/4          | 50                            | -          | 0.7-1.4               | M10             | 12.0                         |



Rod Hanger setting Tool Part number MF508RH

## PURLIN AND BEAM INSTALLATION



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# Self Drilling Hangers

## FIXING TO STEEL PURLINS AND BEAMS

| Socket Thread mm                                       | Mount Direction | Screw Shank | Minimum Steel Thickness |        |        |        |             |        |                |
|--|-----------------|-------------|-------------------------|--------|--------|--------|-------------|--------|----------------|
|  |                 |             | No. 3 Point             |        |        |        | No. 5 Point |        |                |
|  |                 |             | 0.9 mm                  | 1.2 mm | 1.5 mm | 1.8 mm | 2.5 mm      | 4.0 mm | 6.5 to 12.5 mm |
| <b>Loads are in kN and include a Safety Factor = 4</b> |                 |             |                         |        |        |        |             |        |                |
| 8  | Vertical        | ¼" With nut | 1.75                    | 1.75   | 2.00   | 2.00   | 2.30        | 3.60   | 5.60           |
| 8  | Vertical        | ¼"          | 0.45                    | 0.70   | 1.10   | 1.30   | 1.75        | 3.60   | 5.60           |
| 8  | Horizontal      | ¼" With nut | 1.75                    | 1.75   | 2.00   | 2.00   | 2.30        | -      | -              |
| 10   | Vertical        | ¼" With nut | 1.75                    | 1.75   | 2.00   | 2.00   | 2.30        | 3.60   | 5.60           |
| 10   | Vertical        | ¼"          | 0.45                    | 0.70   | 1.10   | 1.30   | 1.75        | 3.60   | 5.60           |
| 10   | Horizontal      | ¼" With nut | 1.75                    | 1.75   | 2.00   | 2.00   | 2.30        | 2.20   | 2.20           |
| 10   | Horizontal      | ¼"          | 0.45                    | 0.70   | 1.10   | 1.30   | 1.75        | 2.20   | 2.20           |

## FIXING TO STRUCTURAL TIMBER

| Socket Thread mm                                       | Mount Direction | Screw Shank | Embedment Depth mm | Timber Type |      |        |
|--|-----------------|-------------|--------------------|-------------|------|--------|
|  |                 |             |                    | Fir         | Pine | Spruce |
| <b>Loads are in kN and include a Safety Factor = 5</b> |                 |             |                    |             |      |        |
| 8  | Vertical        | ¼"          | 25.0               | 0.62        | 0.58 | 0.58   |
| 8  | Vertical        | ¼"          | 50.0               | 1.36        | 1.36 | 1.36   |
| 8  | Horizontal      | ¼"          | 25.0               | 0.62        | 0.58 | 0.58   |
| 10   | Vertical        | ¼"          | 25.0               | 0.62        | 0.58 | 0.58   |
| 10   | Vertical        | ¼"          | 50.0               | 1.36        | 1.36 | 1.36   |
| 10   | Horizontal      | ¼"          | 25.0               | 0.62        | 0.58 | 0.58   |
| 10   | Horizontal      | ¼"          | 50.0               | 1.62        | 1.62 | 1.62   |
| 10   | Vertical        | 5/16"       | 63.0               | 2.40        | 2.80 | 2.80   |

Subject to the location of the fixing and the timber joist/truss size, pre-drilling may be required and this should be checked with the joist/truss manufacturer.