

# 1.3 Cable Ties and Fixings

## Fixing Ties

### MR range of Mounting Head Ties

#### Features and Benefits

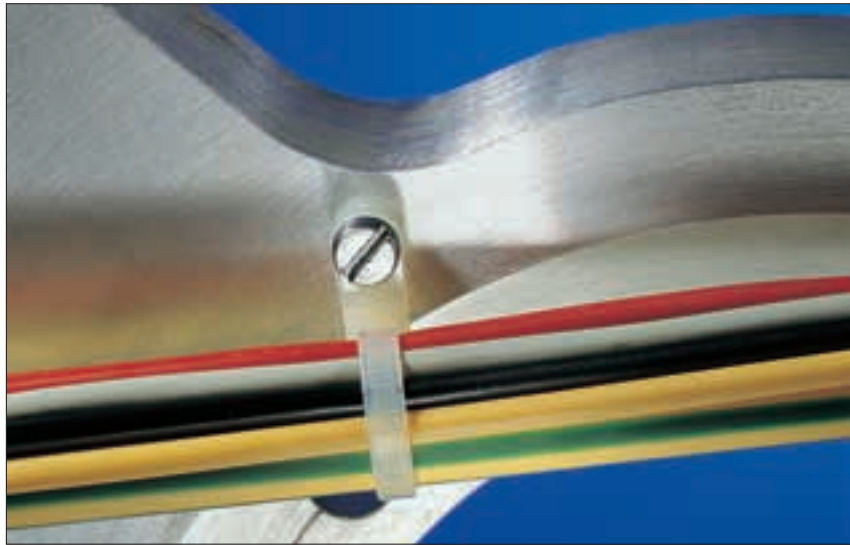
A one piece bundling and fixing tie offering quick and easy installation.

#### Application

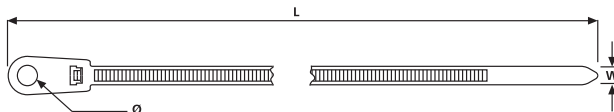
This range of one piece cable ties has a mounting hole fixing method. Once fastened around the cables the bundle can be simply secured to the panel with a screw or bolt.

Ideal for fixing cables, pipes and hoses onto solid surfaces with pre-drilled holes or holes in metal plates.

These ties are used in many industries, for example: building construction, panel builders and white goods manufacturers.



The mounting head ties can be easily screwed onto a panel.



| Material Data         |   |
|-----------------------|---|
| Material              | <b>Polyamide 6.6 UV Resistant (PA66W)</b>               |
| Operating Temperature | <b>-40 °C to +85 °C Continuous, (+105 °C for 500 h)</b> |
| Flammability          | <b>UL94 V2</b>  |



| Material Data         |  |
|-----------------------|--|
| Material              | <b>Polyamide 6.6 Heat Stabilised (PA66HS)</b>            |
| Operating Temperature | <b>-40 °C to +105 °C Continuous, (+145 °C for 500 h)</b> |
| Flammability          | <b>UL94 V2</b>   |



#### Technical Table

| Article-No. | Type             | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Hole Ø | Material | Colour       | Application Tool |
|-------------|------------------|------------|-----------|---------------|---------------------------|--------|----------|--------------|------------------|
| 113-01819   | <b>T18MR</b>     | 110        | 2.5       | 20            | 80                        | 3.1    | PA66     | Natural (NA) | 1-3, 5           |
| 113-01810   | <b>T18MR</b>     | 110        | 2.5       | 20            | 80                        | 3.1    | PA66     | Black (BK)   | 1-3, 5           |
| 113-01801   | <b>T18MR</b>     | 110        | 2.5       | 20            | 80                        | 3.1    | PA66HS   | Natural (NA) | 1-3, 5           |
| 113-03019   | <b>T30MR</b>     | 160        | 3.5       | 32            | 135                       | 4.3    | PA66     | Natural (NA) | 1-3, 5           |
| 113-03020   | <b>T30MR</b>     | 160        | 3.5       | 32            | 135                       | 4.3    | PA66     | Natural (NA) | 1-3, 5           |
| 113-03010   | <b>T30MR</b>     | 160        | 3.5       | 32            | 135                       | 4.3    | PA66     | Black (BK)   | 1-3, 5           |
| 113-00004   | <b>T30MR</b>     | 160        | 3.5       | 32            | 135                       | 4.3    | PA66     | Black (BK)   | 1-3, 5           |
| 113-00006   | <b>T30MR</b>     | 160        | 3.5       | 32            | 135                       | 4.3    | PA66W    | Black (BK)   | 1-3, 5           |
| 113-03160   | <b>T30MR</b>     | 160        | 3.5       | 32            | 135                       | 4.3    | PA66W    | Black (BK)   | 1-3, 5           |
| 113-05019   | <b>T50MR</b>     | 215        | 4.7       | 45            | 225                       | 5.4    | PA66     | Natural (NA) | 1-10             |
| 113-05010   | <b>T50MR</b>     | 215        | 4.7       | 45            | 225                       | 5.4    | PA66     | Black (BK)   | 1-10             |
| 113-05060   | <b>T50MR</b>     | 215        | 4.7       | 45            | 225                       | 5.4    | PA66W    | Black (BK)   | 1-10             |
| 113-05819   | <b>T50MS</b>     | 165        | 4.6       | 32            | 225                       | 5.3    | PA66     | Natural (NA) | 1-10             |
| 113-05820   | <b>T50MS</b>     | 165        | 4.6       | 32            | 225                       | 5.3    | PA66     | Black (BK)   | 1-10             |
| 113-05419   | <b>T50ML</b>     | 390        | 4.7       | 100           | 225                       | 5.5    | PA66     | Natural (NA) | 1-10             |
| 113-05400   | <b>T50ML</b>     | 390        | 4.7       | 100           | 225                       | 5.5    | PA66     | Black (BK)   | 1-10             |
| 113-12017   | <b>T120MR(E)</b> | 395        | 7.6       | 102           | 535                       | 6.5    | PA66     | Black (BK)   | 6-10             |
| 113-12018   | <b>T120MR(E)</b> | 395        | 7.6       | 102           | 535                       | 6.5    | PA66     | Natural (NA) | 6-10             |
| 113-00001   | <b>T120MR(E)</b> | 395        | 7.6       | 102           | 535                       | 6.5    | PA6W     | Black (BK)   | 6-10             |

All dimensions in mm. Subject to technical changes.



Please Note for Product Specific Approvals please refer to the Appendix

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