



## Rivet mount

### TY5-Series

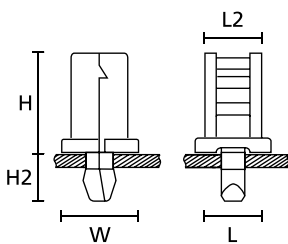
The TY Fixings are ideal for use where a high pull out force is required (eg. in the aircraft industry). The two piece ,wedge' ensures that once installed the mounts will not come away from the panel. Particularly designed for areas with restricted access.

### Features and benefits

- Quick installation
- Two-piece wedge
- Easy insertion
- Firmly fixes wide variety of cable ties



Rivet Mount TY5 is usable with a wide variety of our cable ties.



TY5K1 Rivet Mount



**Material specification**  
please see page 26.

| TYPE    | Drawing | Width (W) | Length (L) | Length (L2) | Height (H) | Height (H2) | Strap Width max. (G) | Hole Ø (FH) | Panel Thickness | Material | Colour       | Article-No. |
|---------|---------|-----------|------------|-------------|------------|-------------|----------------------|-------------|-----------------|----------|--------------|-------------|
| TY5K1   |         | 14.8      | 15.0       | 11.0        | 18.3       | 9.5         | 5.4                  | 5.0 - 5.3   | 1.0 - 3.0       | PA66HS   | Natural (NA) | 152-51059   |
| TY5K2   |         | 12.0      | 14.0       | 10.0        | 7.8        | 9.5         | 5.5                  | 4.9 - 5.3   | 1.0 - 5.0       | PA66HS   | Natural (NA) | 152-11209   |
| TY5K3/5 |         | 22.0      | 18.0       | 14.0        | 10.0       | 9.5         | 9.3                  | 4.9 - 5.3   | 1.0 - 5.0       | PA66HS   | Natural (NA) | 152-11359   |
| TY5K3   |         | 22.0      | 18.0       | 14.0        | 10.0       | 12.5        | 9.3                  | 5.9 - 6.4   | 2.0 - 8.0       | PA66HS   | Natural (NA) | 152-11309   |
| TY5K4   |         | 22.0      | 14.0       | 10.0        | 175.0      | 12.5        | 4.7                  | 5.9 - 6.4   | 2.0 - 8.0       | PA66HS   | Natural (NA) | 152-11409   |
| TY5K5   |         | 17.8      | 18.0       | 11.0        | 38.3       | 9.5         | 5.8                  | 5.0 - 5.3   | 1.0 - 3.0       | PA66HS   | Natural (NA) | 152-55059   |

All dimensions in mm. Subject to technical changes.



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[www.HT.click/49-131](http://www.HT.click/49-131)



## Material Specification Overview

| MATERIAL                                                          | Material<br>Shortcut | Operating<br>Temperature                                   | Colour**                       | Flammability            | Material Properties*                                                                                                                                                                                                                              | Material<br>Specifications |
|-------------------------------------------------------------------|----------------------|------------------------------------------------------------|--------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Aluminium alloy                                                   | AL                   | -40 °C to +180 °C                                          | Natural<br>(NA)                |                         | <ul style="list-style-type: none"> <li>Corrosion resistant</li> <li>Antimagnetic</li> </ul>                                                                                                                                                       | RoHS                       |
| Chloroprene rubber                                                | CR                   | -20 °C to +80 °C                                           | Black (BK)                     |                         | <ul style="list-style-type: none"> <li>Weather resistant</li> <li>High yield strength</li> </ul>                                                                                                                                                  | RoHS                       |
| Ethylene<br>Tetrafluoroethylene<br>(Tefzel®)                      | E/TFE                | -80 °C to +170 °C                                          | Blue (BU)                      | UL 94 V0                | <ul style="list-style-type: none"> <li>Resistance to radioactivity</li> <li>UV resistant, not moisture sensitive</li> <li>Good chemical resistance to acids, bases, oxidizing agents</li> </ul>                                                   | RoHS                       |
| Polyacetal                                                        | POM                  | -40 °C to +90 °C,<br>(+110 °C, 500 h)                      | Natural<br>(NA)                | UL 94 HB                | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Flexible at low temperature</li> <li>Not moisture sensitive</li> <li>Robust on impact</li> </ul>                                                                  | RoHS                       |
| Polyamide 11                                                      | PA11                 | -40 °C to +85 °C,<br>(+105 °C, 500 h)                      | Black (BK)                     | UL 94 HB                | <ul style="list-style-type: none"> <li>Bio-plastic, derived from vegetable oil</li> <li>Strong impact resistance at low temperature</li> <li>Very low moisture absorption</li> <li>Weather resistant</li> <li>Good chemical resistance</li> </ul> | HF<br>RoHS                 |
| Polyamide 12                                                      | PA12                 | -40 °C to +85 °C,<br>(+105 °C, 500 h)                      | Black (BK)                     | UL 94 HB                | <ul style="list-style-type: none"> <li>Good chemical resistance to acids, bases, oxidizing agents</li> <li>UV resistant</li> </ul>                                                                                                                | HF<br>RoHS                 |
| Polyamide 4.6                                                     | PA46                 | -40 °C to +130 °C,<br>(+150 °C, 5000 h;<br>+195 °C, 500 h) | Natural<br>(NA), Grey<br>(GY)  | UL 94 V2                | <ul style="list-style-type: none"> <li>Resistance to high temperatures</li> <li>Very moisture sensitive</li> <li>Low smoke sensitivity</li> </ul>                                                                                                 | HF<br>LFH<br>RoHS          |
| Polyamide 6                                                       | PA6                  | -40 °C to +80 °C                                           | Black (BK)                     | UL 94 V2                | <ul style="list-style-type: none"> <li>High yield strength</li> </ul>                                                                                                                                                                             | RoHS                       |
| Polyamide 6,<br>high impact modified                              | PA6HIR               | -40 °C to +80 °C                                           | Black (BK)                     | UL 94 HB                | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>                                                                                                                  | RoHS                       |
| Polyamide 6.6                                                     | PA66                 | -40 °C to +85 °C,<br>(+105 °C, 500 h)                      | Black (BK),<br>Natural<br>(NA) | UL 94 V2                | <ul style="list-style-type: none"> <li>High yield strength</li> </ul>                                                                                                                                                                             | HF<br>RoHS                 |
| Polyamide 6.6,<br>glass-fibre reinforced                          | PA66GF13             | -40 °C to +105 °C,<br>(+105 °C for 500 h)                  | Black (BK)                     | UL 94 HB                | <ul style="list-style-type: none"> <li>Good resistance to lubricants, fuels, salt water and solvents</li> </ul>                                                                                                                                   | HF<br>RoHS                 |
| Polyamide 6.6,<br>heat and UV-stabilised                          | PA66HSUV             | -40 °C to +105 °C,<br>(+105 °C for 500 h)                  | Black (BK)                     | UL 94 V2                | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Modified elevated maximum temperature</li> <li>UV resistant</li> </ul>                                                                                                        | HF<br>RoHS                 |
| Polyamide 6.6,<br>heat stabilised                                 | PA66HS               | -40 °C to +105 °C,<br>(+105 °C for 500 h)                  | Black (BK),<br>Natural<br>(NA) | UL 94 V2                | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Modified elevated maximum temperature</li> </ul>                                                                                                                              | HF<br>RoHS                 |
| Polyamide 6.6,<br>high impact modified                            | PA66HIR              | -40 °C to +80 °C,<br>(+105 °C, 500 h)                      | Black (BK)                     | UL 94 HB                | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>                                                                                                                  | RoHS                       |
| Polyamide 6.6,<br>high impact modified,<br>heat and UV-stabilised | PA66HIRHSUV          | -40 °C to +110 °C                                          | Black (BK)                     | UL 94 HB                | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> <li>Modified elevated maximum temperature</li> <li>High yield strength, UV resistant</li> </ul>                        | RoHS                       |
| Polyamide 6.6,<br>high impact modified,<br>heat stabilised        | PA66HIRHS            | -40 °C to +105 °C,<br>(+105 °C for 500 h)                  | Black (BK)                     | UL 94 HB                | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> <li>Modified elevated maximum temperature</li> </ul>                                                                   | RoHS                       |
| Polyamide 6.6,<br>high impact modified,<br>scan black             | PA66HIR(S)           | -40 °C to +80 °C,<br>(+105 °C, 500 h)                      | Black (BK)                     | UL 94 HB                | <ul style="list-style-type: none"> <li>Limited brittleness sensitivity</li> <li>Higher flexibility at low temperature</li> </ul>                                                                                                                  | RoHS                       |
| Polyamide 6.6,<br>UV-resistant                                    | PA66W                | -40 °C to +85 °C,<br>(+105 °C, 500 h)                      | Black (BK)                     | UL 94 V2                | <ul style="list-style-type: none"> <li>High yield strength</li> <li>UV resistant</li> </ul>                                                                                                                                                       | HF<br>RoHS                 |
| Polyamide 6.6,<br>with metal particles                            | PA66MP               | -40 °C to +85 °C,<br>(+105 °C, 500 h)                      | Blue (BU)                      | UL 94 HB                | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Metal and X-Ray detectable</li> </ul>                                                                                                                                         | HF<br>RoHS                 |
| Polyamide 6.6,<br>with metal particles                            | PA66MP+              | -40 °C to +85 °C                                           | Blue (BU)                      | not flame-<br>retardant | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Metal and X-Ray detectable</li> </ul>                                                                                                                                         | HF<br>RoHS                 |

| MATERIAL                                                                                | Material Shortcut | Operating Temperature | Colour**                 | Flammability        | Material Properties*                                                                                                                                                                                                               | Material Specifications |
|-----------------------------------------------------------------------------------------|-------------------|-----------------------|--------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>Polyamide 6.6 V0</b>                                                                 | PA66V0            | -40 °C to +85 °C      | White (WH)               | UL 94 V0            | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Low smoke emission</li> </ul>                                                                                                                                  | HF<br>LFH<br>RoHS       |
| <b>Polyester</b>                                                                        | SP                | -50 °C to +150 °C     | Black (BK)               |                     | <ul style="list-style-type: none"> <li>UV resistant</li> <li>Good chemical resistance to most acids, bases and oils</li> </ul>                                                                                                     | HF<br>LFH<br>RoHS       |
| <b>Polyetheretherketone</b>                                                             | PEEK              | -55 °C to +240 °C     | Beige (BGE)              | UL 94 V0            | <ul style="list-style-type: none"> <li>Resistance to radioactivity</li> <li>Not moisture sensitive</li> <li>Good chemical resistance to acids, bases, oxidising agents</li> </ul>                                                  | HF<br>LFH<br>RoHS       |
| <b>Polyethylene</b>                                                                     | PE                | -40 °C to +50 °C      | Black (BK), Grey (GY)    | UL 94 HB            | <ul style="list-style-type: none"> <li>Low moisture absorption</li> <li>Good chemical resistance to most acids, bases, alcohol, oils</li> </ul>                                                                                    | HF<br>RoHS              |
| <b>Polyolefin</b>                                                                       | PO                | -40 °C to +90 °C      | Black (BK)               | UL 94 V0            | <ul style="list-style-type: none"> <li>Low smoke emissions</li> </ul>                                                                                                                                                              | HF<br>LFH<br>RoHS       |
| <b>Polypropylene</b>                                                                    | PP                | -40 °C to +115 °C     | Black (BK), Natural (NA) | UL 94 HB            | <ul style="list-style-type: none"> <li>Floats in water</li> <li>Moderate yield strength</li> <li>Good chemical resistance to acids, bases and solvents</li> </ul>                                                                  | HF<br>RoHS              |
| <b>Polypropylene, Ethylene Propylene Diene Terpolymer</b><br>rubber free of Nitrosamine | PP, EPDM          | -20 °C to +95 °C      | Black (BK)               | UL 94 HB            | <ul style="list-style-type: none"> <li>Good resistance to high temperature</li> <li>Good chemical and abrasion resistance</li> </ul>                                                                                               | HF<br>RoHS              |
| <b>Polypropylene</b><br>with metal particles                                            | PPMP              | -40 °C to +115 °C     | Blue (BU)                | UL 94 HB            | <ul style="list-style-type: none"> <li>Metal and X-Ray detectable</li> <li>Heat resistant</li> <li>Moderate yield strength</li> <li>Good chemical resistance</li> </ul>                                                            | RoHS                    |
| <b>Polypropylene</b><br>with metal particles                                            | PPMP+             | -40 °C to +85 °C      | Blue (BU)                | not flame-retardant | <ul style="list-style-type: none"> <li>High yield strength</li> <li>Metal and X-Ray detectable</li> </ul>                                                                                                                          | HF<br>RoHS              |
| <b>Polyvinylchloride</b>                                                                | PVC               | -10 °C to +70 °C      | Black (BK), Natural (NA) | UL 94 V0            | <ul style="list-style-type: none"> <li>Low moisture absorption</li> <li>Good chemical resistance to acids, bases, salts, alcohol, oils</li> </ul>                                                                                  | RoHS                    |
| <b>Stainless Steel</b>                                                                  | SS304, SS316      | -80 °C to +538 °C     | Natural (NA)             | Non burning         | <ul style="list-style-type: none"> <li>Corrosion resistant</li> <li>Antimagnetic</li> <li>Weather resistant</li> <li>Chemical resistance</li> <li>SS316 also resistant against seawater, salt spray and anorganic acids</li> </ul> | HF<br>LFH<br>RoHS       |
| <b>Thermoplastic Polyurethane</b>                                                       | TPU               | -40 °C to +85 °C      | Black (BK)               | UL 94 HB            | <ul style="list-style-type: none"> <li>High elasticity</li> <li>Good chemical resistance to: acids, bases and oxidizing agents</li> </ul>                                                                                          | HF<br>RoHS              |

Tefzel® is a registered trademark of DuPont. General linguistic usage for cable ties made from raw material E/TFE is Tefzel®-Tie. In addition to Tefzel® from DuPont HellermannTyton also uses equivalent E/TFE raw material from other suppliers.

\*\*Further colours available on request.

\*These details are only guide values. They should not be regarded as a exhaustive material specification and are no substitute for suitability tests. Please see our datasheets for further details.

HF = Halogen Free

LFH = Limited Fire Hazard

RoHS = Restriction of Hazardous Substances

 = Minimum Loop Tensile Strength for Cable Ties (newton)