

Cable Ties inside serrated

• T-Series

For the routing, bundling and securing of cables, pipes and hoses.

Features and Benefits


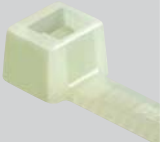

- Available in a wide range of material and sizes
- Made from 100% high quality plastic, allows for good recycling
- Inside serration for a strong hold onto bundles.
- Easy application either manually or with a processing tool
- Simply to insert due to bent tail



**Material specification
please see page 21.**



T-Series for bundling and securing of cables for a wide range of applications, available in various colours and materials.

| | Material | Page Number |
|---|--|-------------------------------------|
|  | Polyamide 6.6, heat stabilised (PA66HS) Polyamide 6.6 UV-resistant (PA66W) Polyamide 6.6 high impact modified, scan black (PA66HIR(S)) | 25 26 27 |
|  | Polyamide 6.6, heat stabilised (PA66HS) | 24 |
|  | Polyamide 4.6 (PA46) | 27 |

Tefzel® is a registered trademark of DuPont.

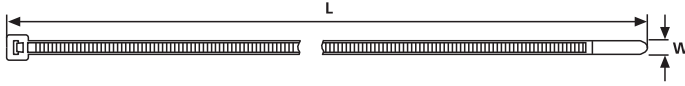
General linguistic usage for cable ties made from raw material E/TFE is Tefzel®-Tie. In addition to Tefzel® from DuPont HellermannTyton is also using equivalent E/TFE raw material from other suppliers.



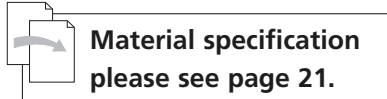
Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.

Cable Ties for temperatures up to + 105°C (heat stabilised)

• T-Series in PA66HS natural



T18S – T150XXL



Material specification
please see page 21.



| Article-No. | Type | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour | Application Tool |
|--------------------------------|-----------------|------------|-----------|---------------|---------------------------|----------|--------------|------------------|
| Polyamide 6.6. Heat Stabilised | | | | | | | | |
| 111-01959 | T18R | 100 | 2.5 | 22.0 | 80 | PA66HS | Natural (NA) | 1–3, 5 |
| 111-02359 | T18I | 145 | 2.5 | 35.0 | 80 | PA66HS | Natural (NA) | 1–3, 5 |
| 111-02159 | T18L | 205 | 2.5 | 55.0 | 80 | PA66HS | Natural (NA) | 1–3, 5 |
| 111-03259 | T30R | 150 | 3.5 | 35.0 | 135 | PA66HS | Natural (NA) | 1–3, 5 |
| 111-03459 | T30L | 198 | 3.5 | 50.0 | 135 | PA66HS | Natural (NA) | 1–3, 5 |
| 111-03569 | T30LL | 290 | 3.5 | 80.0 | 135 | PA66HS | Natural (NA) | 1–3, 5 |
| 111-03859 | T40R | 175 | 4.0 | 40.0 | 180 | PA66HS | Natural (NA) | 1–5 |
| 111-05859 | T50S | 150 | 4.6 | 35.0 | 225 | PA66HS | Natural (NA) | 1–10 |
| 111-04882 | T50R | 200 | 4.6 | 50.0 | 225 | PA66HS | Natural (NA) | 1–10 |
| 111-05259 | T50I | 300 | 4.6 | 85.0 | 225 | PA66HS | Natural (NA) | 1–10 |
| 111-05436 | T50L | 390 | 4.6 | 110 | 225 | PA66HS | Natural (NA) | 1–10 |
| 111-05059 | T80R | 210 | 4.7 | 55.0 | 355 | PA66HS | Natural (NA) | 1–10 |
| 111-08259 | T80I | 300 | 4.7 | 85.0 | 355 | PA66HS | Natural (NA) | 1–10 |
| 111-05459 | T80L | 390 | 4.7 | 110 | 355 | PA66HS | Natural (NA) | 1–10 |
| 111-12824 | T120S | 225 | 7.6 | 55.0 | 535 | PA66HS | Natural (NA) | 6–10 |
| 111-12249 | T120I | 300 | 7.6 | 80.0 | 535 | PA66HS | Natural (NA) | 6–10 |
| 111-12059 | T120R(E) | 387 | 7.6 | 100 | 535 | PA66HS | Natural (NA) | 6–10 |
| 111-12719 | T120XM | 600 | 7.6 | 175 | 535 | PA66HS | Natural (NA) | 6–10 |
| 111-12449 | T120L | 760 | 7.6 | 225 | 535 | PA66HS | Natural (NA) | 6–10 |
| 111-15069 | T150R(H) | 365 | 7.6 | 100 | 670 | PA66HS | Natural (NA) | 6–10 |

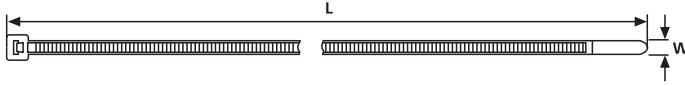
All dimensions in mm. Subject to technical changes.



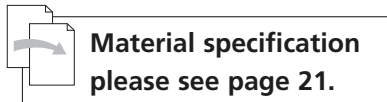
Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.

Cable Ties for temperatures up to + 105°C (heat stabilised)

• T-Series in PA66HS black



T18S – T150XXL



Material specification
please see page 21.



| Article-No. | Type | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour | Application Tool |
|--------------------------------|-----------------|------------|-----------|---------------|---------------------------|----------|------------|------------------|
| Polyamide 6.6. Heat Stabilised | | | | | | | | |
| 111-01950 | T18R | 100 | 2.5 | 22.0 | 80 | PA66HS | Black (BK) | 1–3, 5 |
| 111-02358 | T18I | 145 | 2.5 | 35.0 | 80 | PA66HS | Black (BK) | 1–3, 5 |
| 111-02049 | T18L | 205 | 2.5 | 55.0 | 80 | PA66HS | Black (BK) | 1–3, 5 |
| 111-03050 | T30R | 150 | 3.5 | 35.0 | 135 | PA66HS | Black (BK) | 1–3, 5 |
| 111-03450 | T30L | 198 | 3.5 | 50.0 | 135 | PA66HS | Black (BK) | 1–3, 5 |
| 111-03660 | T30LL | 290 | 3.5 | 80.0 | 135 | PA66HS | Black (BK) | 1–3, 5 |
| 111-03970 | T40R | 175 | 4.0 | 40.0 | 180 | PA66HS | Black (BK) | 1–5 |
| 111-05850 | T50S | 150 | 4.6 | 35.0 | 225 | PA66HS | Black (BK) | 1–10 |
| 111-04950 | T50R | 200 | 4.6 | 50.0 | 225 | PA66HS | Black (BK) | 1–10 |
| 117-05250 | T50I | 300 | 4.6 | 85.0 | 225 | PA66HS | Black (BK) | 1–10 |
| 111-05450 | T50L | 390 | 4.6 | 110 | 225 | PA66HS | Black (BK) | 1–10 |
| 117-08070 | T80R | 210 | 4.7 | 55.0 | 355 | PA66HS | Black (BK) | 1–10 |
| 111-08250 | T80I | 300 | 4.7 | 85.0 | 355 | PA66HS | Black (BK) | 1–10 |
| 111-00388 | T80L | 390 | 4.7 | 110 | 355 | PA66HS | Black (BK) | 1–10 |
| 111-12850 | T120S | 225 | 7.6 | 55.0 | 535 | PA66HS | Black (BK) | 6–10 |
| 111-12240 | T120I | 300 | 7.6 | 80.0 | 535 | PA66HS | Black (BK) | 6–10 |
| 111-12050 | T120R(E) | 387 | 7.6 | 100 | 535 | PA66HS | Black (BK) | 6–10 |
| 111-00153 | T120M | 460 | 7.6 | 125 | 535 | PA66HS | Black (BK) | 6–10 |
| 111-12700 | T120XM | 600 | 7.6 | 175 | 535 | PA66HS | Black (BK) | 6–10 |
| 111-12440 | T120L | 760 | 7.6 | 225 | 535 | PA66HS | Black (BK) | 6–10 |
| 111-15050 | T150R(H) | 365 | 7.6 | 100 | 670 | PA66HS | Black (BK) | 6–10 |
| 111-15609 | T150M | 525 | 8.9 | 150 | 780 | PA66HS | Black (BK) | 6–9 |
| 111-15410 | T150L | 820 | 8.8 | 245 | 780 | PA66HS | Black (BK) | 6–9 |
| 111-15510 | T150XL | 1095 | 8.9 | 330 | 780 | PA66HS | Black (BK) | 6–9 |

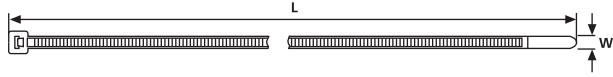
All dimensions in mm. Subject to technical changes.



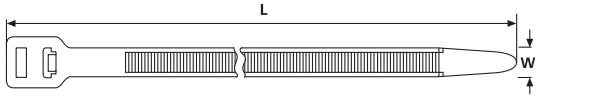
Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.

Cable Ties for outdoor use (UV-resistant)

• T-Series in PA66W black




T18S – T150XXL



T250-Series



 **Material specification
please see page 21.**

| Article-No. | Type | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour | Application Tool |
|------------------------------|-----------------|------------|-----------|---------------|---------------------------|-------------|------------|------------------|
| Polyamide 6.6. UV Stabilised | | | | | | | | |
| 111-01960 | T18R | 100 | 2.5 | 22 | 80 | PA66W | Black (BK) | 1–3, 5 |
| 111-02360 | T18I | 145 | 2.5 | 35.0 | 80 | PA66W | Black (BK) | 1–3, 5 |
| 111-02160 | T18L | 205 | 2.5 | 55 | 80 | PA66W | Black (BK) | 1–3, 5 |
| 111-02660 | T25LL | 330 | 2.8 | 95.0 | 110 | PA66W | Black (BK) | 1–3, 5 |
| 111-03260 | T30R | 150 | 3.5 | 35 | 135 | PA66W | Black (BK) | 1–3, 5 |
| 111-03460 | T30L | 198 | 3.5 | 50 | 135 | PA66W | Black (BK) | 1–3, 5 |
| 111-03570 | T30LL | 290 | 3.5 | 80.0 | 135 | PA66W | Black (BK) | 1–3, 5 |
| 111-03860 | T40R | 175 | 4.0 | 40.0 | 180 | PA66W | Black (BK) | 1–5 |
| 111-05860 | T50S | 150 | 4.6 | 35.0 | 225 | PA66W | Black (BK) | 1–10 |
| 111-04889 | T50R | 200 | 4.6 | 50.0 | 225 | PA66W | Black (BK) | 1–10 |
| 111-06206 | T50M | 245 | 4.6 | 65.0 | 225 | PA66W | Black (BK) | 1–10 |
| 111-05260 | T50I | 300 | 4.6 | 85.0 | 225 | PA66W | Black (BK) | 1–10 |
| 111-05440 | T50L | 390 | 4.6 | 110 | 225 | PA66W | Black (BK) | 1–10 |
| 111-06000 | T50LL | 445 | 4.6 | 130 | 225 | PA66W | Black (BK) | 1–10 |
| 111-05060 | T80R | 210 | 4.7 | 55 | 355 | PA66W | Black (BK) | 1–10 |
| 111-08290 | T80I | 300 | 4.7 | 85 | 355 | PA66W | Black (BK) | 1–10 |
| 111-05460 | T80L | 390 | 4.7 | 110 | 355 | PA66W | Black (BK) | 1–10 |
| 111-12830 | T120S | 225 | 7.6 | 55.0 | 535 | PA66W | Black (BK) | 6–10 |
| 111-12230 | T120I | 300 | 7.6 | 80.0 | 535 | PA66W | Black (BK) | 6–10 |
| 111-12060 | T120R(E) | 387 | 7.6 | 100 | 535 | PA66W | Black (BK) | 6–10 |
| 111-12660 | T120M | 460 | 7.6 | 125 | 535 | PA66W | Black (BK) | 6–10 |
| 111-12430 | T120L | 760 | 7.6 | 225 | 535 | PA66W | Black (BK) | 6–10 |
| 111-14860 | T150R(H) | 365 | 7.6 | 100 | 670 | PA66W | Black (BK) | 6–10 |
| 111-15660 | T150M | 525 | 8.9 | 150 | 780 | PA66W | Black (BK) | 6–9 |
| 111-15460 | T150L | 820 | 8.8 | 245 | 780 | PA66W | Black (BK) | 6–9 |
| 111-15502 | T150XL | 1095 | 8.9 | 330 | 780 | PA66UV | Black (BK) | 6–9 |
| 111-15305 | T150XLL | 1325 | 8.9 | 405 | 780 | PA66W | Black (BK) | 6–9 |
| 111-25100 | T250X | 370 | 12.5 | 100 | 1115 | PA66W | Black (BK) | 7–9 |
| 111-24805 | T250R | 520 | 12.5 | 145 | 1115 | PA66HIRHSUV | Black (BK) | 7–9 |

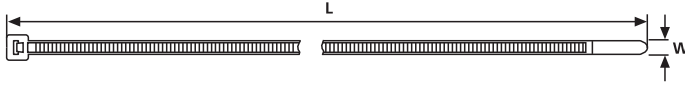
All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.

Cable Ties for higher impact resistant Polyamide 6.6 ScanBlack

• T-Series in PA66HIR(S)



T18S – T150XXL

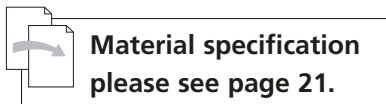


| Article-No. | Type | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour | Application Tool |
|---|----------|------------|-----------|---------------|---------------------------|------------|------------|------------------|
| Polyamide 6.6 high impact modified, scan black (PA66HIR(S)) | | | | | | | | |
| 111-04890 | T50R | 200 | 4.6 | 50.0 | 225 | PA66HIR(S) | Black (BK) | 1–10 |
| 111-00222 | T50I | 300 | 4.6 | 85.0 | 225 | PA66HIR(S) | Black (BK) | 1–10 |
| 111-05441 | T50L | 390 | 4.6 | 110 | 225 | PA66HIR(S) | Black (BK) | 1–10 |
| 111-12203 | T120I | 300 | 7.6 | 80.0 | 535 | PA66HIR(S) | Black (BK) | 6–10 |
| 111-00168 | T120R(E) | 387 | 7.6 | 100 | 535 | PA66HIR(S) | Black (BK) | 6–10 |
| 111-12402 | T120L | 760 | 7.6 | 225 | 535 | PA66HIR(S) | Black (BK) | 6–10 |

All dimensions in mm. Subject to technical changes.

Cable Ties for temperatures up to + 150°C in Polyamide 4.6

• T-Series in PA46



Material specification
please see page 21.



| Article-No. | Type | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour | Application Tool |
|---------------|----------|------------|-----------|---------------|---------------------------|----------|--------------|------------------|
| Polyamide 4.6 | | | | | | | | |
| 114-01879 | T18R | 100 | 2.5 | 22.0 | 80 | PA46 | Natural (NA) | 1–3, 5 |
| 114-03079 | T30R | 150 | 3.5 | 35.0 | 135 | PA46 | Natural (NA) | 1–3, 5 |
| 111-00264 | T30R | 150 | 3.5 | 35.0 | 135 | PA46 | Grey (GY) | 1–3, 5 |
| 111-00525 | T50R | 200 | 4.6 | 50.0 | 225 | PA46 | Natural (NA) | 1–10 |
| 111-00824 | T50R | 200 | 4.6 | 50.0 | 225 | PA46 | Grey (GY) | 1–10 |
| 111-05220 | T50I | 300 | 4.6 | 85.0 | 225 | PA46 | Natural (NA) | 1–10 |
| 111-00526 | T50L | 390 | 4.6 | 110 | 225 | PA46 | Natural (NA) | 1–10 |
| 114-12179 | T120R(E) | 387 | 7.6 | 100 | 535 | PA46 | Natural (NA) | 6–10 |

All dimensions in mm. Subject to technical changes.



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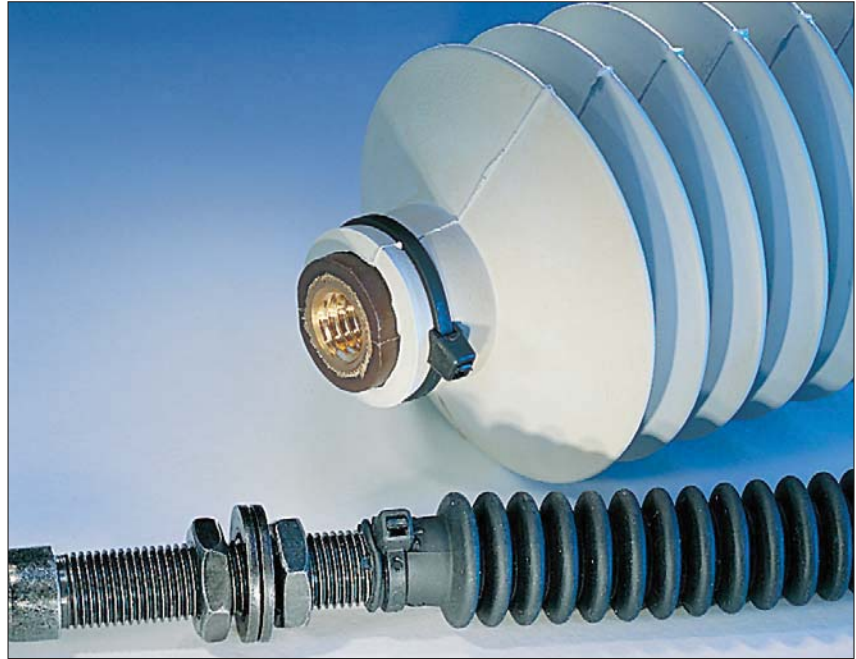
Cable Ties for hose and gaiter

- CTT-Series up to 265 N loop tensile strength
- HT-Series up to 535 N loop tensile strength

Designed to secure pipes, hoses and gaiters, where low pressures are being secured. These ties can be used in many industries, including: automotive, white goods manufacturers and construction.

Features and Benefits

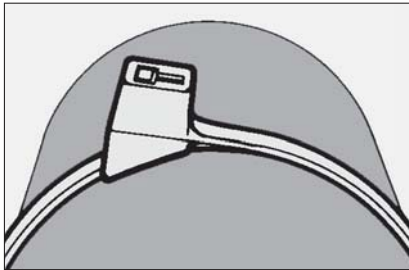
- Curved design of head offers a good fit to the bundle
- Inside serration for a positive hold onto bundles.
- Easy application either manually or with a processing tool



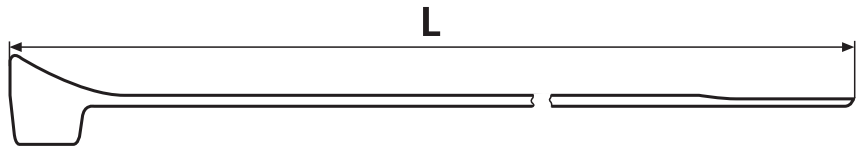
CTT ties installed on flexible gaiters.



Material specification
please see page 21.



For secure fixing of round and solid shapes.



CTT Hose Ties

| Article-No. | Type | Length (L) | Width (W) | Bundle Ø max. | Min. Tensile Strength (N) | Material | Colour | Application Tool |
|-------------|--------|------------|-----------|---------------|---------------------------|----------|--------------|------------------|
| 112-51919 | CTT20R | 100 | 2.5 | 13.0 | 90 | PA66 | Natural (NA) | 1-3, 5 |
| 112-51960 | CTT20R | 100 | 2.5 | 13.0 | 90 | PA66HS | Black (BK) | 1-3, 5 |
| 112-56019 | CTT60R | 205 | 4.7 | 45.0 | 265 | PA66 | Natural (NA) | 1-10 |
| 112-56060 | CTT60R | 205 | 4.7 | 45.0 | 265 | PA66HS | Black (BK) | 1-10 |
| 112-00100 | HT120R | 340 | 7.6 | 90.0 | 535 | PA66HS | Black (BK) | 6-10 |

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.

Cable Ties for parallel routing

• DH-Series

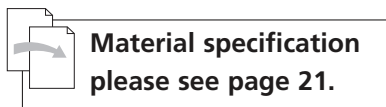
Ideal for running two cables in parallel, but separated. These ties can be used for installation of a second cable run without the need for additional cable ties.

Features and Benefits

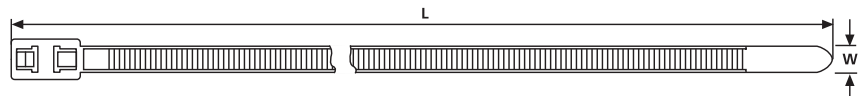
- Cable tie designed with a double head
- For parallel routing of two bundles with only one cable tie
- Bundles can be of different diameter
- Easy application either manually or with a processing tool



Paralell routing of two cable bundles using DH-Series. The double head creates an inside and an outside serrated loop.



Material specification
please see page 21.



DH Series

| Article-No. | Type | Length (L) | Width (W) | Ø per loop max. | Min. Tensile Strength (N) | Min. Tensile Strength (N) 2nd loop | Material | Colour | Application Tool |
|-------------|--------|------------|-----------|-----------------|---------------------------|------------------------------------|----------|--------------|------------------|
| 117-05002 | T50RDH | 210 | 4.7 | 19 | 225 | 180 | PA66 | Natural (NA) | 1-10 |
| 117-05000 | T50RDH | 210 | 4.7 | 19 | 225 | 180 | PA66 | Black (BK) | 1-10 |
| 117-05060 | T50RDH | 210 | 4.7 | 19 | 225 | 180 | PA66W | Black (BK) | 1-10 |
| 117-05050 | T50RDH | 210 | 4.7 | 19 | 225 | 180 | PA66HS | Black (BK) | 1-10 |
| 117-05168 | T50RDH | 210 | 4.7 | 19 | 225 | 180 | PA46 | Grey (GY) | 1-10 |
| 117-05303 | T50IDH | 305 | 4.7 | 38.1 | 225 | 180 | PA66 | Natural (NA) | 1-10 |
| 117-05360 | T50IDH | 305 | 4.7 | 38 | 225 | 180 | PA66W | Black (BK) | 1-10 |
| 117-05350 | T50IDH | 305 | 4.7 | 38 | 225 | 180 | PA66HS | Black (BK) | 1-10 |
| 117-05461 | T50LDH | 395 | 4.7 | 50.8 | 225 | 180 | PA66 | Natural (NA) | 1-10 |
| 117-00008 | T50LDH | 395 | 4.7 | 50 | 225 | 180 | PA66HS | Black (BK) | 1-10 |

All dimensions in mm. Subject to technical changes.



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