



<https://www.hellermannntyton.com/600-02196>

## Base Data

|                      |  |
|----------------------|--|
| Colour               | Black (BK)                                 |
| Pack Cont.           | 1000 pcs.                                  |
| Package Quantity per | bag  |
| PART DESCRIPTION     | H35X25BK-CR-BK                             |
| Product Family       | Helsyn H                                   |
| Product Group        | Chloroprene tubing and grommets            |
| Short Description    | Chloroprene Rubber Tubing D=3.5mm<br>black |

## Product Dimensions

|                   |        |
|-------------------|--------|
| Bundle Ø max.     | 7.0 mm |
| Inside Ø (ID)     | 3.5 mm |
| Supplied Ø D min. | 3.5 mm |
| Wall (WT)         | 0.8 mm |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| Elongation at break           | min. 500%                              |
| ELV compliant (Article 4 - 2) | YES                                    |
| Flammability                  | UL 94 HB                               |
| Hazardous good                | No                                     |
| Material                      | Chloroprene Rubber (CR)                |
| Operating Temperature - °C    | -65 °C to +95 °C, intermittent +120 °C |

Specifications



Specifications

BS-4G-198 Part 1 Type 1, DEF STAN 59-15 D2



<https://www.hellermannntyton.com/600-02197>

## Base Data

|                      |  |
|----------------------|--|
| Colour               | Black (BK)                                 |
| Pack Cont.           | 250 pcs.                                   |
| Package Quantity per | bag  |
| PART DESCRIPTION     | H55X40BK-CR-BK                             |
| Product Family       | Helsyn H                                   |
| Product Group        | Chloroprene tubing and grommets            |
| Short Description    | Chloroprene Rubber Tubing D=5.5mm<br>black |

## Product Dimensions

|                             |         |
|-----------------------------|---------|
| Bundle $\emptyset$ max.     | 20.0 mm |
| Inside $\emptyset$ (ID)     | 5.5 mm  |
| Supplied $\emptyset$ D min. | 5.5 mm  |
| Wall (WT)                   | 1.05 mm |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| Elongation at break           | min. 500%                              |
| ELV compliant (Article 4 - 2) | YES                                    |
| Flammability                  | UL 94 HB                               |
| Hazardous good                | No                                     |
| Material                      | Chloroprene Rubber (CR)                |
| Operating Temperature - °C    | -65 °C to +95 °C, intermittent +120 °C |

Specifications



Specifications

BS-4G-198 Part 1 Type 1, DEF STAN 59-15 D2



<https://www.hellermannntyton.com/173-03500>

## Base Data

|                                 |   |
|---------------------------------|---|
| Colour                          | Tin-coloured and Black (TCBK)   |
| Features and Benefits           | A polyester braided sleeving with an expansion ratio of 3:1 with an operating temperature of -50 °C to +150 °C and Halogen Free.                      |
| Internet Customer Notice        | The inset sleeve functions as a transport protection and as a help to pull cables in the sleeve. This inset sleeve should be removed for application. |
| Open, post termination (Yes/No) | No  |
| Pack Cont.                      | 50 m  |
| Package Quantity per            | reel  |
| PART DESCRIPTION                | HEGEMIP35-PET/SNCU-ML   |
| Product Family                  | Helagain HEGEMIP  |
| Product Group                   | Electromagnetic protection braided sleeving   |
| Short Description               | Electromagnetic protection braided sleeving   |

## Product Dimensions

|               |       |
|---------------|-------|
| Bundle Ø max. | 35 mm |
| Nominal Ø     | 35 mm |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| EMI requirements              | 10 kHz to 1 GHz according to CISPR25 (DIN VDE 0879-2)   |
| Flammability                  | UL 94 V2, FMVSS 302                                     |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| Material                      | Polyester, halogen free (PET), Tin-plated copper (SNCU) |
| Operating Temperature - °C    | -40 °C to +150 °C                                       |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                               |



<https://www.hellermannntyton.com/166-12013>

## Base Data

|                       |   |
|-----------------------|---|
| Application Tool      | CONCUTTER1, CONCUTTER2  |
| Colour                | Black (BK)  |
| Conduit Model         | Plastic corrugated  |
| Features and Benefits | <p>1. If the fitting has been used before, be sure that the slit points to the "on" position. To assemble the fitting, push it on to the end of the conduit as far as possible without forcing it and twist it slightly. The fitting is now securely locked. 2. To remove the fitting, insert a small screw driver into the slit. 3. Move the handle of the screwdriver towards the "off" position. The capnut will rotate slightly. The locking mechanism is now released. 4. Remove the screwdriver. 5. Manually rotate the capnut further towards the "off" position as far as possible. 6. Simply remove the fitting from the end of the conduit.</p> |
| Pack Cont.            | 50 m  |
| Package Quantity per  | reel  |
| PART DESCRIPTION      | HG-ELWS12-PA6-BK  |
| Product Family        | HG-ELWS PA6 Light Weight Slit   |
| Product Group         | HelaGuard Non-Metallic Conduits   |
| Short Description     | Light weight slit PA6 black 50 m  |

## Product Dimensions

|                |         |
|----------------|---------|
| Diameter (D)   | 10.0 mm |
| Inside Ø (ID)  | 10.0 mm |
| Nominal Ø      | 13 mm   |
| Nominal Ø      | 0.5 "   |
| NW Ø           | 10 mm   |
| Outside Ø (OD) | 13.0 mm |
| Weight         | 24 g/m  |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES  |
| Flammability                  | self-extinguishing according to EN IEC 61386 |
| Halogenfree                   | Yes  |
| Hazardous good                | No   |
| IP-Rating                     | IP66 (in conjunction with HG fittings)       |
| Material                      | Polyamide 6 (PA6)                            |
| Oil resistant (Yes/No)        | Yes  |
| Operating Temperature - °C    | -40 °C to +120 °C                            |
| Specifications                |  |



<https://www.hellermannntyton.com/166-12017>

## Base Data

|                       |   |
|-----------------------|---|
| Application Tool      | CONCUTTER1, CONCUTTER2  |
| Colour                | Black (BK)  |
| Conduit Model         | Plastic corrugated  |
| Features and Benefits | <p>1. If the fitting has been used before, be sure that the slit points to the "on" position. To assemble the fitting, push it on to the end of the conduit as far as possible without forcing it and twist it slightly. The fitting is now securely locked. 2. To remove the fitting, insert a small screw driver into the slit. 3. Move the handle of the screwdriver towards the "off" position. The capnut will rotate slightly. The locking mechanism is now released. 4. Remove the screwdriver. 5. Manually rotate the capnut further towards the "off" position as far as possible. 6. Simply remove the fitting from the end of the conduit.</p> |
| Pack Cont.            | 50 m  |
| Package Quantity per  | reel  |
| PART DESCRIPTION      | HG-ELWS25-PA6-BK  |
| Product Family        | HG-ELWS PA6 Light Weight Slit   |
| Product Group         | HelaGuard Non-Metallic Conduits   |
| Short Description     | Light weight slit PA6 black 50 m  |

## Product Dimensions

|                |         |
|----------------|---------|
| Diameter (D)   | 21.5 mm |
| Inside Ø (ID)  | 21.5 mm |
| Nominal Ø      | 25 mm   |
| Nominal Ø      | 1 "     |
| NW Ø           | 22 mm   |
| Outside Ø (OD) | 25.4 mm |
| Weight         | 70 g/m  |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES  |
| Flammability                  | self-extinguishing according to EN IEC 61386   |
| Halogenfree                   | Yes  |
| Hazardous good                | No   |
| IP-Rating                     | IP66 (in conjunction with HG fittings)   |
| Material                      | Polyamide 6 (PA6)  |
| Oil resistant (Yes/No)        | Yes  |
| Operating Temperature - °C    | -40 °C to +120 °C  |
| Specifications                | <span style="border: 1px solid black; padding: 2px;">HF</span> ✓ <span style="border: 1px solid black; padding: 2px; margin-left: 20px;">RoHS</span> ✓ |

# Metallic conduits with liquid-tight cover LTSH10

LTSH Galvanised steel conduit, thermoplastic cover, Article number:  
166-32000

2021-03-18



<https://www.hellermanntyton.com/166-32000>

## Base Data

|                      |   |
|----------------------|---|
| Application Tool     | CONCLAMP  |
| Colour               | Black (BK)  |
| Conduit Model        | Metallic with smooth plastic coating, liquid-tight                          |
| Pack Cont.           | 25 m  |
| Package Quantity per | reel  |
| PART DESCRIPTION     | LTSH10-GS/TPR-BK  |
| Product Family       | LTSH Galvanised steel conduit, thermoplastic cover                          |
| Product Group        | Metallic conduits with liquid-tight cover                                   |
| Short Description    | LTSH Galvanised Steel Conduit with Thermoplastic Cover black ø10mm reel 25m |

## Product Dimensions

|                         |         |
|-------------------------|---------|
| Inside Ø (ID)           | 7.0 mm  |
| Min. Bending Radius (R) | 35 mm   |
| Nominal Ø               | 10 mm   |
| Nominal Ø               | 0.38 "  |
| Outside Ø (OD)          | 1.8 mm  |
| Weight                  | 173 g/m |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| Electrical characteristics    | Not specified                                     |
| ELV compliant (Article 4 - 2) | YES   |
| EN61386 Classification        | 445440684310                                      |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP69k, IP68                                       |
| Material                      | Galvanised Steel (GS), Thermoplastic Rubber (TPR) |
| Operating Temperature - °C    | -60 °C to +150 °C                                 |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                         |

# HelaGuard accessories A90FM-PG7

A90FM 90° Elbow, Article number: 166-50000

2021-03-18



<https://www.hellermanntyton.com/166-50000>

## Base Data

|                      |  |
|----------------------|--|
| Colour               | Metal (ML)   |
| Pack Cont.           | 10 pcs.  |
| Package Quantity per | bag  |
| PART DESCRIPTION     | A90FM-PG7-NPB-ML   |
| Product Family       | A90FM 90° Elbow  |
| Product Group        | HelaGuard accessories  |
| Short Description    | Metallic Fitting with Internal and External Thread A90FM 90° PG7 |
| Thread type          | PG   |
| Type of connection   | Thread   |
| Variant              | 90°-elbow  |

## Product Dimensions

Thread Size PG7

## Material and Specifications

|                               |                           |
|-------------------------------|---------------------------|
| ELV compliant (Article 4 - 2) | YES                       |
| Halogenfree                   | Yes                       |
| Hazardous good                | No                        |
| Material                      | Nickel Plated Brass (NPB) |
| Operating Temperature - °C    | -100 °C to +300 °C        |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓ |

# Fittings with strain relief and cable seal HG16-90CG-PG11

HG-90CG 90° Elbow fitting, IP66, Article number: 166-23309



<https://www.hellermanntyton.com/166-23309>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 10.0 mm  |
| Cable Ø min                  | 4.0 mm   |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| <b>PART DESCRIPTION</b>      | <b>HG16-90CG-PG11-PA66/NPB-BK</b>                        |
| Product Family               | HG-90CG 90° Elbow fitting, IP66                          |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 90° with Strain Relief and Cable Seal IP66 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 90°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 29 mm  |
| Nominal Ø               | 16 mm  |
| Nominal Ø               | 0.63 " |
| NW Ø                    | 12 mm  |
| Outside Ø max (OD max.) | 29 mm  |
| Thread Length (TL)      | 6 mm   |
| Thread Size             | PG11   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |



# Fittings with strain relief and cable seal HG16-90CG-PG16

HG-90CG 90° Elbow fitting, IP66, Article number: 166-23310



<https://www.hellermanntyton.com/166-23310>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 14.0 mm  |
| Cable Ø min                  | 8.0 mm   |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| <b>PART DESCRIPTION</b>      | <b>HG16-90CG-PG16-PA66/NPB-BK</b>                        |
| Product Family               | HG-90CG 90° Elbow fitting, IP66                          |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 90° with Strain Relief and Cable Seal IP66 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 90°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 29 mm  |
| Nominal Ø               | 16 mm  |
| Nominal Ø               | 0.63 " |
| NW Ø                    | 12 mm  |
| Outside Ø max (OD max.) | 29 mm  |
| Thread Length (TL)      | 6.5 mm |
| Thread Size             | PG16   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |

# Fittings with strain relief and cable seal HG16-SCG-PG11

HG-SCG Straight fitting, IP66, Article number: 166-21508



<https://www.hellermanntyton.com/166-21508>

## Base Data

|                              |   |
|------------------------------|---|
| Brass Thread (Y/N)           | Yes   |
| Cable Ø max                  | 10.0 mm   |
| Cable Ø min                  | 4.0 mm  |
| Colour                       | Black (BK)  |
| Pack Cont.                   | 10 pcs.   |
| Package Quantity per         | bag   |
| <b>PART DESCRIPTION</b>      | <b>HG16-SCG-PG11-PA66/NPB-BK</b>                      |
| Product Family               | HG-SCG Straight fitting, IP66                         |
| Product Group                | Fittings with strain relief and cable seal            |
| Short Description            | Straight cable gland fitting IP66<br>ø16mm PG11 black |
| Strain Relief Function (Y/N) | Yes   |
| Swivel Thread (Y/N)          | No  |
| Thread type                  | not applicable  |
| Type of connection           | Snap-connection                                       |
| Variant                      | Straight  |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 29 mm  |
| Nominal Ø               | 16 mm  |
| Nominal Ø               | 0.63 " |
| NW Ø                    | 12 mm  |
| Outside Ø max (OD max.) | 29 mm  |
| Thread Length (TL)      | 6 mm   |
| Thread Size             | PG11   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |

# Fittings with strain relief and cable seal HG16-SCG-PG16

HG-SCG Straight fitting, IP66, Article number: 166-21509



<https://www.hellermanntyton.com/166-21509>

## Base Data

|                              |   |
|------------------------------|---|
| Brass Thread (Y/N)           | Yes   |
| Cable Ø max                  | 14.0 mm   |
| Cable Ø min                  | 8.0 mm  |
| Colour                       | Black (BK)  |
| Pack Cont.                   | 10 pcs.   |
| Package Quantity per         | bag   |
| <b>PART DESCRIPTION</b>      | <b>HG16-SCG-PG16-PA66/NPB-BK</b>                      |
| Product Family               | HG-SCG Straight fitting, IP66                         |
| Product Group                | Fittings with strain relief and cable seal            |
| Short Description            | Straight cable gland fitting IP66<br>ø16mm PG16 black |
| Strain Relief Function (Y/N) | Yes   |
| Swivel Thread (Y/N)          | No  |
| Thread type                  | not applicable  |
| Type of connection           | Snap-connection                                       |
| Variant                      | Straight  |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 29 mm  |
| Nominal Ø               | 16 mm  |
| Nominal Ø               | 0.63 " |
| NW Ø                    | 12 mm  |
| Outside Ø max (OD max.) | 29 mm  |
| Thread Length (TL)      | 6.5 mm |
| Thread Size             | PG16   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |

# Fittings with strain relief and cable seal HG21-45CG-PG16

HG-45CG 45° Elbow fitting, IP66, Article number: 166-23911



<https://www.hellermanntyton.com/166-23911>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 14.0 mm  |
| Cable Ø min                  | 8.0 mm   |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| PART DESCRIPTION             | HG21-45CG-PG16-PA66/NPB-BK                               |
| Product Family               | HG-45CG 45° Elbow fitting, IP66                          |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 45° with Strain Relief and Cable Seal IP66 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 45°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 32 mm  |
| Nominal Ø               | 21 mm  |
| Nominal Ø               | 0.81 " |
| NW Ø                    | 17 mm  |
| Outside Ø max (OD max.) | 32 mm  |
| Thread Length (TL)      | 6.5 mm |
| Thread Size             | PG16   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |

# Fittings with strain relief and cable seal HG21-90CG-PG16

HG-90CG 90° Elbow fitting, IP66, Article number: 166-23311



<https://www.hellermanntyton.com/166-23311>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 14.0 mm  |
| Cable Ø min                  | 8.0 mm   |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| <b>PART DESCRIPTION</b>      | <b>HG21-90CG-PG16-PA66/NPB-BK</b>                        |
| Product Family               | HG-90CG 90° Elbow fitting, IP66                          |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 90° with Strain Relief and Cable Seal IP66 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 90°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 32 mm  |
| Nominal Ø               | 21 mm  |
| Nominal Ø               | 0.81 " |
| NW Ø                    | 17 mm  |
| Outside Ø max (OD max.) | 32 mm  |
| Thread Length (TL)      | 6.5 mm |
| Thread Size             | PG16   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |

# Fittings with strain relief and cable seal HG21-SCG-PG16

HG-SCG Straight fitting, IP66, Article number: 166-21510



<https://www.hellermanntyton.com/166-21510>

## Base Data

|                              |   |
|------------------------------|---|
| Brass Thread (Y/N)           | Yes   |
| Cable Ø max                  | 14.0 mm   |
| Cable Ø min                  | 8.0 mm  |
| Colour                       | Black (BK)  |
| Pack Cont.                   | 10 pcs.   |
| Package Quantity per         | bag   |
| <b>PART DESCRIPTION</b>      | <b>HG21-SCG-PG16-PA66/NPB-BK</b>                      |
| Product Family               | HG-SCG Straight fitting, IP66                         |
| Product Group                | Fittings with strain relief and cable seal            |
| Short Description            | Straight cable gland fitting IP66<br>ø21mm PG16 black |
| Strain Relief Function (Y/N) | Yes   |
| Swivel Thread (Y/N)          | No  |
| Thread type                  | not applicable  |
| Type of connection           | Snap-connection                                       |
| Variant                      | Straight  |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 32 mm  |
| Nominal Ø               | 21 mm  |
| Nominal Ø               | 0.81 " |
| NW Ø                    | 17 mm  |
| Outside Ø max (OD max.) | 32 mm  |
| Thread Length (TL)      | 6.5 mm |
| Thread Size             | PG16   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |

# Fittings with strain relief and cable seal HG28-45CG-PG21

HG-45CG 45° Elbow fitting, IP66, Article number: 166-23912



<https://www.hellermanntyton.com/166-23912>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 18.0 mm  |
| Cable Ø min                  | 11.0 mm  |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| PART DESCRIPTION             | HG28-45CG-PG21-PA66/NPB-BK                               |
| Product Family               | HG-45CG 45° Elbow fitting, IP66                          |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 45° with Strain Relief and Cable Seal IP66 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 45°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 44 mm  |
| Nominal Ø               | 28 mm  |
| Nominal Ø               | 1.13 " |
| NW Ø                    | 23 mm  |
| Outside Ø max (OD max.) | 44 mm  |
| Thread Length (TL)      | 7 mm   |
| Thread Size             | PG21   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |

# Fittings with strain relief and cable seal HG28-90CG-PG21

HG-90CG 90° Elbow fitting, IP66, Article number: 166-23312



<https://www.hellermanntyton.com/166-23312>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 18.0 mm  |
| Cable Ø min                  | 11.0 mm  |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| <b>PART DESCRIPTION</b>      | <b>HG28-90CG-PG21-PA66/NPB-BK</b>                        |
| Product Family               | HG-90CG 90° Elbow fitting, IP66                          |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 90° with Strain Relief and Cable Seal IP66 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 90°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 44 mm  |
| Nominal Ø               | 28 mm  |
| Nominal Ø               | 1.13 " |
| NW Ø                    | 23 mm  |
| Outside Ø max (OD max.) | 44 mm  |
| Thread Length (TL)      | 7 mm   |
| Thread Size             | PG21   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |



# Fittings with strain relief and cable seal HG28-SCG-PG21

HG-SCG Straight fitting, IP66, Article number: 166-21511



<https://www.hellermanntyton.com/166-21511>

## Base Data

|                              |   |
|------------------------------|---|
| Brass Thread (Y/N)           | Yes   |
| Cable Ø max                  | 18.0 mm   |
| Cable Ø min                  | 11.0 mm   |
| Colour                       | Black (BK)  |
| Pack Cont.                   | 10 pcs.   |
| Package Quantity per         | bag   |
| PART DESCRIPTION             | HG28-SCG-PG21-PA66/NPB-BK                             |
| Product Family               | HG-SCG Straight fitting, IP66                         |
| Product Group                | Fittings with strain relief and cable seal            |
| Short Description            | Straight cable gland fitting IP66<br>ø28mm PG21 black |
| Strain Relief Function (Y/N) | Yes   |
| Swivel Thread (Y/N)          | No  |
| Thread type                  | not applicable  |
| Type of connection           | Snap-connection                                       |
| Variant                      | Straight  |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 44 mm  |
| Nominal Ø               | 28 mm  |
| Nominal Ø               | 1.13 " |
| NW Ø                    | 23 mm  |
| Outside Ø max (OD max.) | 44 mm  |
| Thread Length (TL)      | 7 mm   |
| Thread Size             | PG21   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |

# Fittings with strain relief and cable seal HG34-45CG-PG29

HG-45CG 45° Elbow fitting, IP66, Article number: 166-23913



<https://www.hellermanntyton.com/166-23913>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 25.0 mm  |
| Cable Ø min                  | 16.0 mm  |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| PART DESCRIPTION             | HG34-45CG-PG29-PA66/NPB-BK                               |
| Product Family               | HG-45CG 45° Elbow fitting, IP66                          |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 45° with Strain Relief and Cable Seal IP66 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 45°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 51 mm  |
| Nominal Ø               | 34 mm  |
| Nominal Ø               | 1.31 " |
| NW Ø                    | 29 mm  |
| Outside Ø max (OD max.) | 51 mm  |
| Thread Length (TL)      | 8 mm   |
| Thread Size             | PG29   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |

# Fittings with strain relief and cable seal HG34-90CG-PG29

HG-90CG 90° Elbow fitting, IP66, Article number: 166-23313



<https://www.hellermanntyton.com/166-23313>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 25.0 mm  |
| Cable Ø min                  | 16.0 mm  |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| <b>PART DESCRIPTION</b>      | <b>HG34-90CG-PG29-PA66/NPB-BK</b>                        |
| Product Family               | HG-90CG 90° Elbow fitting, IP66                          |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 90° with Strain Relief and Cable Seal IP66 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 90°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 51 mm  |
| Nominal Ø               | 34 mm  |
| Nominal Ø               | 1.31 " |
| NW Ø                    | 29 mm  |
| Outside Ø max (OD max.) | 51 mm  |
| Thread Length (TL)      | 8 mm   |
| Thread Size             | PG29   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |

# Fittings with strain relief and cable seal HG34-SCG-PG29

HG-SCG Straight fitting, IP66, Article number: 166-21512



<https://www.hellermanntyton.com/166-21512>

## Base Data

|                              |   |
|------------------------------|---|
| Brass Thread (Y/N)           | Yes   |
| Cable Ø max                  | 25.0 mm   |
| Cable Ø min                  | 16.0 mm   |
| Colour                       | Black (BK)  |
| Pack Cont.                   | 10 pcs.   |
| Package Quantity per         | bag   |
| <b>PART DESCRIPTION</b>      | <b>HG34-SCG-PG29-PA66/NPB-BK</b>                      |
| Product Family               | HG-SCG Straight fitting, IP66                         |
| Product Group                | Fittings with strain relief and cable seal            |
| Short Description            | Straight cable gland fitting IP66<br>ø34mm PG29 black |
| Strain Relief Function (Y/N) | Yes   |
| Swivel Thread (Y/N)          | No  |
| Thread type                  | not applicable  |
| Type of connection           | Snap-connection                                       |
| Variant                      | Straight  |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 51 mm  |
| Nominal Ø               | 34 mm  |
| Nominal Ø               | 1.31 " |
| NW Ø                    | 29 mm  |
| Outside Ø max (OD max.) | 51 mm  |
| Thread Length (TL)      | 8 mm   |
| Thread Size             | PG29   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| IP-Rating                     | IP66 (in conjunction with HG fittings)          |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB) |
| Material of fitting ETIM      | Polyamide (PA)                                  |
| Operating Temperature - °C    | -50 °C to +135 °C                               |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓                       |
| Specifications                | UL-Recognized                                   |

# Fittings with strain relief and cable seal HGL16-45CG-PG16

HGL-45CG 45° Elbow fitting, IP68, Article number: 166-24510



<https://www.hellermanntyton.com/166-24510>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 14.0 mm  |
| Cable Ø min                  | 8.0 mm   |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| PART DESCRIPTION             | HGL16-45CG-PG16-PA66/NPB/TPE-BK                          |
| Product Family               | HGL-45CG 45° Elbow fitting, IP68                         |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 45° with Strain Relief and Cable Seal IP68 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 45°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 29 mm  |
| Nominal Ø               | 16 mm  |
| Nominal Ø               | 0.63 " |
| NW Ø                    | 12 mm  |
| Outside Ø max (OD max.) | 29 mm  |
| Thread Length (TL)      | 6.5 mm |
| Thread Size             | PG16   |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES  |
| Flammability                  | UL 94 V2   |
| Halogenfree                   | Yes  |
| Hazardous good                | No   |
| IP-Rating                     | IP69k (in conjunction with HGL fittings), IP66, IP68, IP67                     |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB), Thermoplastic Elastomer (TPE) |
| Material of fitting ETIM      | Polyamide (PA)   |
| Operating Temperature - °C    | -50 °C to +135 °C  |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓  |
| Specifications                | UL-Recognized  |

# Fittings with strain relief and cable seal HGL16-90CG-PG11

HGL-90CG 90° Elbow fitting, IP68, Article number: 166-22709



<https://www.hellermanntyton.com/166-22709>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 10.0 mm  |
| Cable Ø min                  | 4.0 mm   |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| PART DESCRIPTION             | HGL16-90CG-PG11-PA66/NPB/TPE-BK                          |
| Product Family               | HGL-90CG 90° Elbow fitting, IP68                         |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 90° with Strain Relief and Cable Seal IP68 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 90°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 29 mm  |
| Nominal Ø               | 16 mm  |
| Nominal Ø               | 0.63 " |
| NW Ø                    | 12 mm  |
| Outside Ø max (OD max.) | 29 mm  |
| Thread Length (TL)      | 6 mm   |
| Thread Size             | PG11   |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES  |
| Flammability                  | UL 94 V2   |
| Halogenfree                   | Yes  |
| Hazardous good                | No   |
| IP-Rating                     | IP69k (in conjunction with HGL fittings), IP66, IP68, IP67                     |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB), Thermoplastic Elastomer (TPE) |
| Material of fitting ETIM      | Polyamide (PA)   |
| Operating Temperature - °C    | -50 °C to +135 °C  |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓  |
| Specifications                | UL-Recognized  |

# Fittings with strain relief and cable seal HGL16-90CG-PG16

HGL-90CG 90° Elbow fitting, IP68, Article number: 166-22710



<https://www.hellermanntyton.com/166-22710>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 14.0 mm  |
| Cable Ø min                  | 8.0 mm   |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| PART DESCRIPTION             | HGL16-90CG-PG16-PA66/NPB/TPE-BK                          |
| Product Family               | HGL-90CG 90° Elbow fitting, IP68                         |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 90° with Strain Relief and Cable Seal IP68 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 90°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 29 mm  |
| Nominal Ø               | 16 mm  |
| Nominal Ø               | 0.63 " |
| NW Ø                    | 12 mm  |
| Outside Ø max (OD max.) | 29 mm  |
| Thread Length (TL)      | 6.5 mm |
| Thread Size             | PG16   |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES  |
| Flammability                  | UL 94 V2   |
| Halogenfree                   | Yes  |
| Hazardous good                | No   |
| IP-Rating                     | IP69k (in conjunction with HGL fittings), IP66, IP68, IP67                     |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB), Thermoplastic Elastomer (TPE) |
| Material of fitting ETIM      | Polyamide (PA)   |
| Operating Temperature - °C    | -50 °C to +135 °C  |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓  |
| Specifications                | UL-Recognized  |

# Fittings with strain relief and cable seal HGL16-SCG-PG11

HGL-SCG Straight fitting, IP68, Article number: 166-22108



<https://www.hellermanntyton.com/166-22108>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 10.0 mm  |
| Cable Ø min                  | 4.0 mm   |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| PART DESCRIPTION             | HGL16-SCG-PG11-PA66/NPB/TPE-BK   |
| Product Family               | HGL-SCG Straight fitting, IP68   |
| Product Group                | Fittings with strain relief and cable seal                               |
| Short Description            | Straight Fitting with Strain Relief and Cable Seal IP68 ø16mm PG11 black |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | Straight   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 29 mm  |
| Nominal Ø               | 16 mm  |
| Nominal Ø               | 0.63 " |
| NW Ø                    | 12 mm  |
| Outside Ø max (OD max.) | 29 mm  |
| Thread Length (TL)      | 6 mm   |
| Thread Size             | PG11   |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES  |
| Flammability                  | UL 94 V2   |
| Halogenfree                   | Yes  |
| Hazardous good                | No   |
| IP-Rating                     | IP69k (in conjunction with HGL fittings), IP66, IP68, IP67                     |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB), Thermoplastic Elastomer (TPE) |
| Material of fitting ETIM      | Polyamide (PA)   |
| Operating Temperature - °C    | -50 °C to +135 °C  |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓  |
| Specifications                | UL-Recognized  |



# Fittings with strain relief and cable seal HGL16-SCG-PG16

HGL-SCG Straight fitting, IP68, Article number: 166-22109



<https://www.hellermanntyton.com/166-22109>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 14.0 mm  |
| Cable Ø min                  | 8.0 mm   |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| PART DESCRIPTION             | HGL16-SCG-PG16-PA66/NPB/TPE-BK   |
| Product Family               | HGL-SCG Straight fitting, IP68   |
| Product Group                | Fittings with strain relief and cable seal                               |
| Short Description            | Straight Fitting with Strain Relief and Cable Seal IP68 ø16mm PG16 black |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | Straight   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 29 mm  |
| Nominal Ø               | 16 mm  |
| Nominal Ø               | 0.63 " |
| NW Ø                    | 12 mm  |
| Outside Ø max (OD max.) | 29 mm  |
| Thread Length (TL)      | 6.5 mm |
| Thread Size             | PG16   |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES  |
| Flammability                  | UL 94 V2   |
| Halogenfree                   | Yes  |
| Hazardous good                | No   |
| IP-Rating                     | IP69k (in conjunction with HGL fittings), IP66, IP68, IP67                     |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB), Thermoplastic Elastomer (TPE) |
| Material of fitting ETIM      | Polyamide (PA)   |
| Operating Temperature - °C    | -50 °C to +135 °C  |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓  |
| Specifications                | UL-Recognized  |

# Fittings with strain relief and cable seal HGL21-45CG-PG16

HGL-45CG 45° Elbow fitting, IP68, Article number: 166-24511



<https://www.hellermanntyton.com/166-24511>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 14.0 mm  |
| Cable Ø min                  | 8.0 mm   |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| PART DESCRIPTION             | HGL21-45CG-PG16-PA66/NPB/TPE-BK                          |
| Product Family               | HGL-45CG 45° Elbow fitting, IP68                         |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 45° with Strain Relief and Cable Seal IP68 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 45°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 32 mm  |
| Nominal Ø               | 21 mm  |
| Nominal Ø               | 0.81 " |
| NW Ø                    | 17 mm  |
| Outside Ø max (OD max.) | 32 mm  |
| Thread Length (TL)      | 6.5 mm |
| Thread Size             | PG16   |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES  |
| Flammability                  | UL 94 V2   |
| Halogenfree                   | Yes  |
| Hazardous good                | No   |
| IP-Rating                     | IP69k (in conjunction with HGL fittings), IP66, IP68, IP67                     |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB), Thermoplastic Elastomer (TPE) |
| Material of fitting ETIM      | Polyamide (PA)   |
| Operating Temperature - °C    | -50 °C to +135 °C  |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓  |
| Specifications                | UL-Recognized  |

# Fittings with strain relief and cable seal HGL21-90CG-PG16

HGL-90CG 90° Elbow fitting, IP68, Article number: 166-22711



<https://www.hellermanntyton.com/166-22711>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 14.0 mm  |
| Cable Ø min                  | 8.0 mm   |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| PART DESCRIPTION             | HGL21-90CG-PG16-PA66/NPB/TPE-BK                          |
| Product Family               | HGL-90CG 90° Elbow fitting, IP68                         |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 90° with Strain Relief and Cable Seal IP68 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 90°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 32 mm  |
| Nominal Ø               | 21 mm  |
| Nominal Ø               | 0.81 " |
| NW Ø                    | 17 mm  |
| Outside Ø max (OD max.) | 32 mm  |
| Thread Length (TL)      | 6.5 mm |
| Thread Size             | PG16   |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES  |
| Flammability                  | UL 94 V2   |
| Halogenfree                   | Yes  |
| Hazardous good                | No   |
| IP-Rating                     | IP69k (in conjunction with HGL fittings), IP66, IP68, IP67                     |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB), Thermoplastic Elastomer (TPE) |
| Material of fitting ETIM      | Polyamide (PA)   |
| Operating Temperature - °C    | -50 °C to +135 °C  |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓  |
| Specifications                | UL-Recognized  |

# Cable Ties inside serrated for cable tray CTF12090

CTF-Series, Article number: 111-98100

2021-03-18



<https://www.hellermannntyton.com/111-98100>

## Base Data

|                               |   |
|-------------------------------|---|
| Application Tool              | MK6, MK9P, EVO9, EVO9HT                                 |
| Colour                        | Black (BK)  |
| Fixation Method               | Others  |
| Identification Plate Position | none  |
| Pack Cont.                    | 100 pcs.  |
| Package Quantity per          | bag   |
| PART DESCRIPTION              | CTF12090-PA66-BK  |
| Product Family                | CTF-Series  |
| Product Group                 | Cable Ties inside serrated for cable tray               |
| Releasable Closure (Yes/No)   | No  |
| Short Description             | Cable Ties inside serrated for cable tray 320x7.6 black |
| Tie Closure                   | plastic pawl  |
| Variant                       | Inside Serrated   |

## Product Dimensions

|                      |                            |
|----------------------|----------------------------|
| for Hole Ø (FH)      | 7.0 x 16.0 mm, 10.0 x ∞ mm |
| Height (H)           | 7.6 mm                     |
| Length (L)           | 320 mm                     |
| Min.Tensile Strength | 535 N                      |
| Thickness (T)        | 2 mm                       |
| Width (W)            | 7.6 mm                     |

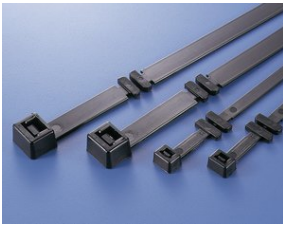
## Material and Specifications

|                               |                      |
|-------------------------------|----------------------|
| ELV compliant (Article 4 - 2) | YES                  |
| Flammability                  | UL 94 V2             |
| Hazardous good                | No                   |
| Material                      | Polyamide 6.6 (PA66) |
| Operating Temperature - °C    | -40 °C to +85 °C     |
| Specifications                | <b>RoHS</b> ✓        |

# Cable Ties inside serrated for cable tray CTF12090

CTF-Series, Article number: 111-98140

2021-03-18



<https://www.hellermannntyton.com/111-98140>

## Base Data

|                               |   |
|-------------------------------|---|
| Application Tool              | MK6, MK9P, EVO9, EVO9HT                                   |
| Colour                        | Natural (NA)  |
| Fixation Method               | Others  |
| Identification Plate Position | none  |
| Pack Cont.                    | 100 pcs.  |
| Package Quantity per          | bag   |
| PART DESCRIPTION              | CTF12090-PA66-NA  |
| Product Family                | CTF-Series  |
| Product Group                 | Cable Ties inside serrated for cable tray                 |
| Releasable Closure (Yes/No)   | No  |
| Short Description             | Cable Ties inside serrated for cable tray 320x7.6 natural |
| Tie Closure                   | plastic pawl  |
| Variant                       | Inside Serrated   |

## Product Dimensions

|                      |                            |
|----------------------|----------------------------|
| for Hole Ø (FH)      | 7.0 x 16.0 mm, 10.0 x ∞ mm |
| Height (H)           | 7.6 mm                     |
| Length (L)           | 320 mm                     |
| Min.Tensile Strength | 535 N                      |
| Thickness (T)        | 2 mm                       |
| Width (W)            | 7.6 mm                     |

## Material and Specifications

|                               |                      |
|-------------------------------|----------------------|
| ELV compliant (Article 4 - 2) | YES                  |
| Flammability                  | UL 94 V2             |
| Hazardous good                | No                   |
| Material                      | Polyamide 6.6 (PA66) |
| Operating Temperature - °C    | -40 °C to +85 °C     |
| Specifications                | <b>RoHS</b> ✓        |

# Cable Ties inside serrated for cable tray CTF120

CTF-Series, Article number: 111-98121

2021-03-18



<https://www.hellermannntyton.com/111-98121>

## Base Data

|                               |   |
|-------------------------------|---|
| Application Tool              | MK6, MK9P, EVO9, EVO9HT                                 |
| Colour                        | Black (BK)  |
| Fixation Method               | Others  |
| Identification Plate Position | none  |
| Pack Cont.                    | 100 pcs.  |
| Package Quantity per          | bag   |
| PART DESCRIPTION              | CTF120-PA66-BK  |
| Product Family                | CTF-Series  |
| Product Group                 | Cable Ties inside serrated for cable tray               |
| Releasable Closure (Yes/No)   | No  |
| Short Description             | Cable Ties inside serrated for cable tray 320x7.6 black |
| Tie Closure                   | plastic pawl  |
| Variant                       | Inside Serrated   |

## Product Dimensions

|                      |                           |
|----------------------|---------------------------|
| for Hole Ø (FH)      | 6.5 x 16.0 mm, 9.5 x ∞ mm |
| Height (H)           | 7.6 mm                    |
| Length (L)           | 320 mm                    |
| Min.Tensile Strength | 535 N                     |
| Thickness (T)        | 2 mm                      |
| Width (W)            | 7.6 mm                    |

## Material and Specifications

|                               |                      |
|-------------------------------|----------------------|
| ELV compliant (Article 4 - 2) | YES                  |
| Flammability                  | UL 94 V2             |
| Hazardous good                | No                   |
| Material                      | Polyamide 6.6 (PA66) |
| Operating Temperature - °C    | -40 °C to +85 °C     |
| Specifications                | <b>RoHS</b> ✓        |

# Cable Ties inside serrated for cable tray CTF250

CTF-Series, Article number: 111-98160

2021-03-18



<https://www.hellermannntyton.com/111-98160>

## Base Data

|                               |  |
|-------------------------------|--|
| Application Tool              | MK6, MK9P, EVO9, EVO9HT                                  |
| Colour                        | Black (BK)   |
| Fixation Method               | Push Mount   |
| Identification Plate Position | none   |
| Pack Cont.                    | 50 pcs.  |
| Package Quantity per          | bag  |
| PART DESCRIPTION              | CTF250-PA66-BK   |
| Product Family                | CTF-Series   |
| Product Group                 | Cable Ties inside serrated for cable tray                |
| Releasable Closure (Yes/No)   | No   |
| Short Description             | Cable Ties inside serrated for cable tray 355x13.0 black |
| Tie Closure                   | plastic pawl   |
| Variants                      | Inside Serrated  |

## Product Dimensions

|                      |                            |
|----------------------|----------------------------|
| for Hole Ø (FH)      | 7.5 x 16.0 mm, 10.0 x ∞ mm |
| Height (H)           | 12.0 mm                    |
| Length (L)           | 355 mm                     |
| Min.Tensile Strength | 1115 N                     |
| Thickness (T)        | 2 mm                       |
| Width (W)            | 13.0 mm                    |

## Material and Specifications

|                               |                      |
|-------------------------------|----------------------|
| ELV compliant (Article 4 - 2) | YES                  |
| Flammability                  | UL 94 V2             |
| Hazardous good                | No                   |
| Material                      | Polyamide 6.6 (PA66) |
| Operating Temperature - °C    | -40 °C to +85 °C     |
| Specifications                | <b>RoHS</b> ✓        |

# Cable Ties inside serrated for cable tray CTF250

CTF-Series, Article number: 111-98161

2021-03-18



<https://www.hellermannntyton.com/111-98161>

## Base Data

|                               |  |
|-------------------------------|--|
| Application Tool              | MK6, MK9P, EVO9, EVO9HT                                    |
| Colour                        | Natural (NA)   |
| Fixation Method               | Others   |
| Identification Plate Position | none   |
| Pack Cont.                    | 50 pcs.  |
| Package Quantity per          | bag  |
| PART DESCRIPTION              | CTF250-PA66-NA   |
| Product Family                | CTF-Series   |
| Product Group                 | Cable Ties inside serrated for cable tray                  |
| Releasable Closure (Yes/No)   | No   |
| Short Description             | Cable Ties inside serrated for cable tray 355x13.0 natural |
| Tie Closure                   | plastic pawl   |
| Variant                       | Inside Serrated  |

## Product Dimensions

|                      |                            |
|----------------------|----------------------------|
| for Hole Ø (FH)      | 7.5 x 16.0 mm, 10.0 x ∞ mm |
| Height (H)           | 12.0 mm                    |
| Length (L)           | 355 mm                     |
| Min.Tensile Strength | 1115 N                     |
| Thickness (T)        | 2 mm                       |
| Width (W)            | 13.0 mm                    |

## Material and Specifications

|                               |                      |
|-------------------------------|----------------------|
| ELV compliant (Article 4 - 2) | YES                  |
| Flammability                  | UL 94 V2             |
| Hazardous good                | No                   |
| Material                      | Polyamide 6.6 (PA66) |
| Operating Temperature - °C    | -40 °C to +85 °C     |
| Specifications                | <b>RoHS</b> ✓        |





<https://www.hellermannntyton.com/590-00010>

## Base Data

|                         |  |
|-------------------------|--|
| Colour                  | Yellow (YE)  |
| Description             | HellermannTyton's Rite-On Markers are made from a flexible vinyl film and used to mark wire and cable. The self-laminating labels have a clear tail which seals the legend under clear vinyl, maintaining the quality of the labels. The Rite-On markers are packaged in a reusable dispenser made from high impact plastic which is resistant to oils and grease. |
| Fixation Method         | Pasting / Stick  |
| Pack Cont.              | 1 pc.  |
| Package Quantity per    | pcs.   |
| <b>PART DESCRIPTION</b> | Empty Dispenser RO-PL-YE   |
| Product Group           | Hand Writable Labels   |
| Self adhesive (Yes/No)  | Yes  |
| Short Description       | Empty Rite-On Dispenser, Yellow, 1/EA  |
| Short Description       | Label Dispenser yellow   |
| Variant                 | Roller form  |
| With label space        | Yes  |

## Material and Specifications

|                               |               |
|-------------------------------|---------------|
| CE Certification              | No            |
| ELV compliant (Article 4 - 2) | YES           |
| Hazardous good                | No            |
| Material                      | Plastic (PL)  |
| Specifications                | <b>RoHS</b> ✓ |

# Cable Ties for bundling wires in solar power systems GL200

Galvalok-Series in PA11 black, Article number: 111-01264



<https://www.hellermanntyton.com/111-01264>



## Base Data

|                               |  |
|-------------------------------|--|
| Colour                        | Black (BK)   |
| Identification Plate Position | none   |
| Pack Cont.                    | 100 pcs.   |
| Package Quantity per          | bag  |
| PART DESCRIPTION              | GL200-PA11W-BK                                       |
| Product Family                | Galvalok-Series in PA11 black                        |
| Product Group                 | Cable Ties for bundling wires in solar power systems |
| Releasable Closure (Yes/No)   | No   |
| Short Description             | Cable Tie 203x4.7 PA11 UV-black                      |
| Tie Closure                   | plastic pawl   |
| Variant                       | Inside Serrated                                      |

## Product Dimensions

|                                |          |
|--------------------------------|----------|
| Bundle Ø max.                  | 50.0 mm  |
| Bundle Ø min.                  | 1.5 mm   |
| Cable Tie Head Height (metric) | 5.9 mm   |
| Cable Tie Head Length (metric) | 6.8 mm   |
| Cable Tie Head Width (metric)  | 7.8 mm   |
| Length (L)                     | 203.2 mm |
| Min.Tensile Strength           | 200 N    |
| Thickness (T)                  | 1.3 mm   |
| Width (W)                      | 4.7 mm   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 HB  |
| Hazardous good                | No  |
| Material                      | Polyamide 11, UV-resistant (PA11W)  |
| Operating Temperature - °C    | -40 °C to +105 °C   |
| Specifications                |   |
| Specifications                | IEC 62275:2006  |

# Cable Ties for bundling wires in solar power systems GL300

Galvalok-Series in PA11 black, Article number: 111-01266



<https://www.hellermanntyton.com/111-01266>



## Base Data

|                               |  |
|-------------------------------|--|
| Colour                        | Black (BK)   |
| Identification Plate Position | none   |
| Pack Cont.                    | 100 pcs.   |
| Package Quantity per          | bag  |
| <b>PART DESCRIPTION</b>       | <b>GL300-PA11W-BK</b>                                |
| Product Family                | Galvalok-Series in PA11 black                        |
| Product Group                 | Cable Ties for bundling wires in solar power systems |
| Releasable Closure (Yes/No)   | No   |
| Short Description             | Cable Tie 301x4.8 PA11 UV-black                      |
| Tie Closure                   | plastic pawl   |
| Variant                       | Inside Serrated                                      |

## Product Dimensions

|                                |           |
|--------------------------------|-----------|
| Bundle Ø max.                  | 80.0 mm   |
| Bundle Ø min.                  | 7.0 mm    |
| Cable Tie Head Height (metric) | 5.0 mm    |
| Cable Tie Head Length (metric) | 9.0 mm    |
| Cable Tie Head Width (metric)  | 8.8 mm    |
| Length (L)                     | 302.26 mm |
| Min.Tensile Strength           | 250 N     |
| Thickness (T)                  | 1.5 mm    |
| Width (W)                      | 4.8 mm    |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 HB  |
| Hazardous good                | No  |
| Material                      | Polyamide 11, UV-resistant (PA11W)  |
| Operating Temperature - °C    | -40 °C to +105 °C   |
| Specifications                |   |
| Specifications                | IEC 62275:2006  |

# Fittings with strain relief and cable seal HGL28-45CG-PG21

HGL-45CG 45° Elbow fitting, IP68, Article number: 166-24512



<https://www.hellermanntyton.com/166-24512>

## Base Data

|                      |                                 |
|----------------------|---------------------------------|
| Brass Thread (Y/N)   | Yes                             |
| Cable Ø max          | 18.0 mm                         |
| Cable Ø min          | 11.0 mm                         |
| Colour               | Black (BK)                      |
| Pack Cont.           | 10 pcs.                         |
| Package Quantity per | bag                             |
| PART DESCRIPTION     | HGL28-45CG-PG21-PA66/NPB/TPE-BK |

|                              |  |
|------------------------------|--|
| Product Family               | HGL-45CG 45° Elbow fitting, IP68                         |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 45° with Strain Relief and Cable Seal IP68 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 45°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 44 mm  |
| Nominal Ø               | 28 mm  |
| Nominal Ø               | 1.13 " |
| NW Ø                    | 23 mm  |
| Outside Ø max (OD max.) | 44 mm  |
| Thread Length (TL)      | 7 mm   |
| Thread Size             | PG21   |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES  |
| Flammability                  | UL 94 V2   |
| Halogenfree                   | Yes  |
| Hazardous good                | No   |
| IP-Rating                     | IP69k (in conjunction with HGL fittings), IP66, IP68, IP67                     |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB), Thermoplastic Elastomer (TPE) |
| Material of fitting ETIM      | Polyamide (PA)   |
| Operating Temperature - °C    | -50 °C to +135 °C  |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓  |
| Specifications                | UL-Recognized  |

# Fittings with strain relief and cable seal HGL34-45CG-PG29

HGL-45CG 45° Elbow fitting, IP68, Article number: 166-24513



<https://www.hellermanntyton.com/166-24513>

## Base Data

|                              |  |
|------------------------------|--|
| Brass Thread (Y/N)           | Yes  |
| Cable Ø max                  | 25.0 mm  |
| Cable Ø min                  | 16.0 mm  |
| Colour                       | Black (BK)   |
| Pack Cont.                   | 10 pcs.  |
| Package Quantity per         | bag  |
| PART DESCRIPTION             | HGL34-45CG-PG29-PA66/NPB/TPE-BK                          |
| Product Family               | HGL-45CG 45° Elbow fitting, IP68                         |
| Product Group                | Fittings with strain relief and cable seal               |
| Short Description            | Elbow Fitting 45° with Strain Relief and Cable Seal IP68 |
| Strain Relief Function (Y/N) | Yes  |
| Swivel Thread (Y/N)          | No   |
| Thread type                  | not applicable   |
| Type of connection           | Snap-connection  |
| Variant                      | 45°-Bend   |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Height (H)              | 51 mm  |
| Nominal Ø               | 34 mm  |
| Nominal Ø               | 1.31 " |
| NW Ø                    | 29 mm  |
| Outside Ø max (OD max.) | 51 mm  |
| Thread Length (TL)      | 8 mm   |
| Thread Size             | PG29   |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES  |
| Flammability                  | UL 94 V2   |
| Halogenfree                   | Yes  |
| Hazardous good                | No   |
| IP-Rating                     | IP69k (in conjunction with HGL fittings), IP66, IP68, IP67                     |
| Material                      | Polyamide 6.6 (PA66), Nickel Plated Brass (NPB), Thermoplastic Elastomer (TPE) |
| Material of fitting ETIM      | Polyamide (PA)   |
| Operating Temperature - °C    | -50 °C to +135 °C  |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓  |
| Specifications                | UL-Recognized  |

# Cable tie locked by glass fibre pin KR8/S1

KR-Series, endless, Article number: 121-98119

2021-03-18



<https://www.hellermannntyton.com/121-98119>

## Base Data

|                             |  |
|-----------------------------|--|
| Application Tool            | KR6/8, KR8PNSE   |
| Colour                      | Natural (NA)   |
| Fixation Method             | Cable Tie  |
| Package Quantity per        | reel   |
| <b>PART DESCRIPTION</b>     | <b>KR8/S1-PA66-NA</b>                                  |
| Product Family              | KR-Series, endless                                     |
| Product Group               | Cable tie locked by glass fibre pin                    |
| Releasable Closure (Yes/No) | No   |
| Short Description           | Endless Cable Tie Strap System 50m x 8 mm PA66 natural |
| Tie Closure                 | fibreglass pin   |
| Variant                     | No Serration   |

## Product Dimensions

|                      |         |
|----------------------|---------|
| Length (L)           | 50.0 m  |
| Min.Tensile Strength | 785 N   |
| Thickness (T)        | 2.05 mm |
| Width (W)            | 8.0 mm  |

## Material and Specifications

|                                     |                                    |
|-------------------------------------|------------------------------------|
| ELV compliant (Article 4 - 2)       | YES                                |
| Flammability                        | UL 94 V2                           |
| Hazardous good                      | No                                 |
| Material                            | Polyamide 6.6 (PA66)               |
| Operating Temperature - °C          | -40 °C to +85 °C                   |
| Operating Temperature Head (Metric) | -40 °C to +85 °C, (+105 °C, 500 h) |
| Specifications                      | <b>RoHS</b> ✓                      |

# Cable ties with low profile head LPH275

LPH-Series, Article number: 112-00301

2021-03-18



<https://www.hellermannntyton.com/112-00301>



## Base Data

|                               |  |
|-------------------------------|--|
| Application Tool              | MK9P, MK9P w/ Upper air, MK10-SB, EVO9, EVO9HT                         |
| Colour                        | Black (BK)   |
| Fixation Method               | Others   |
| Identification Plate Position | none   |
| Pack Cont.                    | 100 pcs.   |
| Package Quantity per          | bag  |
| PART DESCRIPTION              | LPH275-PA66HIR(S)-BK   |
| Product Family                | LPH-Series   |
| Product Group                 | Cable ties with low profile head                                       |
| Releasable Closure (Yes/No)   | No   |
| Short Description             | Cable Tie 265x9 mm, outside serrated, high impact modified, scan black |
| Tie Closure                   | plastic pawl   |
| Variant                       | Outside Serrated   |

## Product Dimensions

|                                |         |
|--------------------------------|---------|
| Bundle Ø max.                  | 62.0 mm |
| Bundle Ø min.                  | 25.0 mm |
| Cable Tie Head Height (metric) | 6 mm    |
| Cable Tie Head Length (metric) | 23 mm   |
| Cable Tie Head Width (metric)  | 13 mm   |
| Length (L)                     | 265 mm  |
| Min.Tensile Strength           | 480 N   |
| Thickness (T)                  | 1.7 mm  |
| Width (W)                      | 9 mm    |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Hazardous good                | No  |
| Material                      | Polyamide 6.6, high impact modified, scan black (PA66HIR(S))  |
| Operating Temperature - °C    | -40 °C to +85 °C  |
| Specifications                |   |
| Specifications                | IEC 60092 series  |

# Cable ties with low profile head LPH350

LPH-Series, Article number: 112-00401

2021-03-18



<https://www.hellermannntyton.com/112-00401>

## Base Data

|                               |  |
|-------------------------------|--|
| Application Tool              | MK9P, MK9P w/ Upper air, MK10-SB, EVO9, EVO9HT                         |
| Colour                        | Black (BK)   |
| Fixation Method               | Others   |
| Identification Plate Position | none   |
| Pack Cont.                    | 100 pcs.   |
| Package Quantity per          | bag  |
| PART DESCRIPTION              | LPH350-PA66HIR(S)-BK   |
| Product Family                | LPH-Series   |
| Product Group                 | Cable ties with low profile head                                       |
| Releasable Closure (Yes/No)   | No   |
| Short Description             | Cable Tie 355x9 mm, outside serrated, high impact modified, scan black |
| Tie Closure                   | plastic pawl   |
| Variant                       | Outside Serrated   |

## Product Dimensions

|                                |         |
|--------------------------------|---------|
| Bundle Ø max.                  | 92.0 mm |
| Bundle Ø min.                  | 25.0 mm |
| Cable Tie Head Height (metric) | 6 mm    |
| Cable Tie Head Length (metric) | 23 mm   |
| Cable Tie Head Width (metric)  | 13 mm   |
| Length (L)                     | 355 mm  |
| Min.Tensile Strength           | 480 N   |
| Thickness (T)                  | 1.7 mm  |
| Width (W)                      | 9 mm    |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Hazardous good                | No  |
| Material                      | Polyamide 6.6, high impact modified, scan black (PA66HIR(S))  |
| Operating Temperature - °C    | -40 °C to +85 °C  |
| Specifications                |   |
| Specifications                | IEC 60092 series  |



# Cable Ties with Raster Locking and Coating MAT12SSC7

MAT-C, Article number: 111-96120



<https://www.hellermanntyton.com/111-96120>

## Base Data

|                               |  |
|-------------------------------|--|
| Application Tool              | KST-STG200, MK9SST, MK9PSST  |
| Colour                        | Black (BK)   |
| Features and Benefits         | The MAT range of stainless steel cable ties can be used in the most arduous of conditions or where the additional security, strength and fire resistance of a metal fixing is required. Type MAT cable ties are cable ties which can be put on in stages (locking in the strip). |
| Identification Plate Position | none   |
| Pack Cont.                    | 100 pcs.   |
| Package Quantity per          | pcs.   |
| PART DESCRIPTION              | MAT12SSC7-SS316/SP-BK  |
| Product Family                | MAT-C  |
| Product Group                 | Cable Ties with Raster Locking and Coating   |
| Releasable Closure (Yes/No)   | No   |
| Short Description             | Stainless Steel Cable Tie with Raster Locking and Coating 330x7.0 mm black   |
| Tie Closure                   | ladder style   |
| Variant                       | No Serration   |

## Product Dimensions

|                      |         |
|----------------------|---------|
| Bundle Ø max.        | 90 mm   |
| Bundle Ø min.        | 10.0 mm |
| Length (L)           | 330 mm  |
| Min.Tensile Strength | 445 N   |
| Width (W)            | 7.0 mm  |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES                                     |
| Flammability                  | non-burning (except coating)            |
| Halogenfree                   | Yes                                     |
| Hazardous good                | No                                      |
| Limited Fire Hazard           | Yes                                     |
| Material                      | Stainless Steel (SS316), Polyester (SP) |
| Operating Temperature - °C    | -80 °C to +538 °C                       |
| Operating Temperature Coating | -50 °C to +150 °C                       |
| Specifications                | <b>HF</b> ✓ <b>LFH</b> ✓ <b>RoHS</b> ✓  |

# Cable Ties with Raster Locking MAT16SS7

MAT-Series, Stainless Steel 316, Article number: 111-92160

2021-03-18



<https://www.hellermannntyton.com/111-92160>

## Base Data

|                               |   |
|-------------------------------|---|
| Application Tool              | KST-STG200, MK9SST, MK9PSST   |
| Colour                        | Metal (ML)  |
| Features and Benefits         | The MAT range of stainless steel cable ties can be used in the most arduous of conditions or where the additional security, strength and fire resistance of a metal fixing is required. Type MAT cable ties are cable ties which can be put on in stages (locking in the strip). The MLT series can be tightened smoothly and is locked by folding over the strip and the bar in the head area. This produces an especially solid and permanent bundling. |
| Identification Plate Position | none  |
| Pack Cont.                    | 100 pcs.  |
| Package Quantity per          | pcs.  |
| PART DESCRIPTION              | MAT16SS7-SS316-ML   |
| Product Family                | MAT-Series, Stainless Steel 316   |
| Product Group                 | Cable Ties with Raster Locking  |
| Releasable Closure (Yes/No)   | No  |
| Short Description             | Metal Cable Tie with Ball-Lock<br>430x7.0 mm  |
| Tie Closure                   | ladder style  |
| Variant                       | No Serration  |

## Product Dimensions

|                      |         |
|----------------------|---------|
| Bundle Ø max.        | 120 mm  |
| Bundle Ø min.        | 10.0 mm |
| Length (L)           | 430 mm  |
| Min.Tensile Strength | 445 N   |
| Thickness (T)        | 0.28 mm |
| Width (W)            | 7.0 mm  |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES                                    |
| Flammability                  | non-burning                            |
| Halogenfree                   | Yes                                    |
| Hazardous good                | No                                     |
| Limited Fire Hazard           | Yes                                    |
| Material                      | Stainless Steel (SS316)                |
| Operating Temperature - °C    | -80 °C to +538 °C                      |
| Specifications                | <b>HF</b> ✓ <b>LFH</b> ✓ <b>RoHS</b> ✓ |

# Cable Ties with Raster Locking and Coating MAT16SSC7

MAT-C, Article number: 111-92162



<https://www.hellermanntyton.com/111-92162>

## Base Data

|                               |  |
|-------------------------------|--|
| Application Tool              | KST-STG200, MK9SST, MK9PSST  |
| Colour                        | Black (BK)   |
| Features and Benefits         | The MAT range of stainless steel cable ties can be used in the most arduous of conditions or where the additional security, strength and fire resistance of a metal fixing is required. Type MAT cable ties are cable ties which can be put on in stages (locking in the strip). |
| Identification Plate Position | none   |
| Pack Cont.                    | 100 pcs.   |
| Package Quantity per          | bag  |
| PART DESCRIPTION              | MAT16SSC7-SS316/SP-BK  |
| Product Family                | MAT-C  |
| Product Group                 | Cable Ties with Raster Locking and Coating   |
| Releasable Closure (Yes/No)   | No   |
| Short Description             | Stainless Steel Cable Tie with Raster Locking and Coating 430x7.0 mm black   |
| Tie Closure                   | ladder style   |
| Variant                       | No Serration   |

## Product Dimensions

|                      |         |
|----------------------|---------|
| Bundle Ø max.        | 120 mm  |
| Bundle Ø min.        | 10.0 mm |
| Length (L)           | 430 mm  |
| Min.Tensile Strength | 445 N   |
| Thickness (T)        | 0.40 mm |
| Width (W)            | 7.0 mm  |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES                                     |
| Flammability                  | non-burning (except coating)            |
| Halogenfree                   | Yes                                     |
| Hazardous good                | No                                      |
| Limited Fire Hazard           | Yes                                     |
| Material                      | Stainless Steel (SS316), Polyester (SP) |
| Operating Temperature - °C    | -80 °C to +538 °C                       |
| Operating Temperature Coating | -50 °C to +150 °C                       |
| Specifications                | HF ✓ LFH ✓ RoHS ✓                       |

# Cable Ties with Raster Locking MAT24SS7

MAT-Series, Stainless Steel 316, Article number: 111-92240

2021-03-18



<https://www.hellermannntyton.com/111-92240>

## Base Data

|                               |   |
|-------------------------------|---|
| Application Tool              | KST-STG200, MK9SST, MK9PSST   |
| Colour                        | Metal (ML)  |
| Features and Benefits         | The MAT range of stainless steel cable ties can be used in the most arduous of conditions or where the additional security, strength and fire resistance of a metal fixing is required. Type MAT cable ties are cable ties which can be put on in stages (locking in the strip). The MLT series can be tightened smoothly and is locked by folding over the strip and the bar in the head area. This produces an especially solid and permanent bundling. |
| Identification Plate Position | none  |
| Pack Cont.                    | 100 pcs.  |
| Package Quantity per          | pcs.  |
| PART DESCRIPTION              | MAT24SS7-SS316-ML   |
| Product Family                | MAT-Series, Stainless Steel 316   |
| Product Group                 | Cable Ties with Raster Locking  |
| Releasable Closure (Yes/No)   | No  |
| Short Description             | Metal Cable Tie with Ball-Lock<br>630x7.0 mm  |
| Tie Closure                   | ladder style  |
| Variant                       | No Serration  |

## Product Dimensions

|                      |         |
|----------------------|---------|
| Bundle Ø max.        | 180 mm  |
| Bundle Ø min.        | 10.0 mm |
| Length (L)           | 630 mm  |
| Min.Tensile Strength | 445 N   |
| Thickness (T)        | 0.4 mm  |
| Width (W)            | 7.0 mm  |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES                                    |
| Flammability                  | non-burning                            |
| Halogenfree                   | Yes                                    |
| Hazardous good                | No                                     |
| Limited Fire Hazard           | Yes                                    |
| Material                      | Stainless Steel (SS316)                |
| Operating Temperature - °C    | -80 °C to +538 °C                      |
| Specifications                | <b>HF</b> ✓ <b>LFH</b> ✓ <b>RoHS</b> ✓ |

# Cable Ties with Raster Locking and Coating MAT24SSC7

MAT-C, Article number: 111-92200



<https://www.hellermanntyton.com/111-92200>

## Base Data

|                               |  |
|-------------------------------|--|
| Application Tool              | KST-STG200, MK9SST, MK9PSST  |
| Colour                        | Black (BK)   |
| Features and Benefits         | The MAT range of stainless steel cable ties can be used in the most arduous of conditions or where the additional security, strength and fire resistance of a metal fixing is required. Type MAT cable ties are cable ties which can be put on in stages (locking in the strip). |
| Identification Plate Position | none   |
| Pack Cont.                    | 100 pcs.   |
| Package Quantity per          | bag  |
| PART DESCRIPTION              | MAT24SSC7-SS316/SP-BK  |
| Product Family                | MAT-C  |
| Product Group                 | Cable Ties with Raster Locking and Coating   |
| Releasable Closure (Yes/No)   | No   |
| Short Description             | Stainless Steel Cable Tie with Raster Locking and Coating 630x7.0 mm black   |
| Tie Closure                   | ladder style   |
| Variant                       | No Serration   |

## Product Dimensions

|                      |         |
|----------------------|---------|
| Bundle Ø max.        | 180 mm  |
| Bundle Ø min.        | 10.0 mm |
| Length (L)           | 630 mm  |
| Min.Tensile Strength | 445 N   |
| Thickness (T)        | 0.40 mm |
| Width (W)            | 7.0 mm  |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES                                     |
| Flammability                  | non-burning (except coating)            |
| Halogenfree                   | Yes                                     |
| Hazardous good                | No                                      |
| Limited Fire Hazard           | Yes                                     |
| Material                      | Stainless Steel (SS316), Polyester (SP) |
| Operating Temperature - °C    | -80 °C to +538 °C                       |
| Operating Temperature Coating | -50 °C to +150 °C                       |
| Specifications                | <b>HF</b> ✓ <b>LFH</b> ✓ <b>RoHS</b> ✓  |



<https://www.hellermannntyton.com/111-92004>

## Base Data

|                               |  |
|-------------------------------|--|
| Application Tool              | KST-STG200, MK9SST, MK9PSST  |
| Colour                        | Black (BK)   |
| Features and Benefits         | The MAT range of stainless steel cable ties can be used in the most arduous of conditions or where the additional security, strength and fire resistance of a metal fixing is required. Type MAT cable ties are cable ties which can be put on in stages (locking in the strip). |
| Identification Plate Position | none   |
| Pack Cont.                    | 100 pcs.   |
| Package Quantity per          | bag  |
| <b>PART DESCRIPTION</b>       | <b>MAT8SSC7-SS316/SP-BK</b>  |
| Product Family                | MAT-C  |
| Product Group                 | Cable Ties with Raster Locking and Coating   |
| Releasable Closure (Yes/No)   | No   |
| Short Description             | Stainless Steel Cable Tie with Raster Locking and Coating 230x7.0 mm black   |
| Tie Closure                   | ladder style   |
| Variant                       | No Serration   |

## Product Dimensions

|                      |         |
|----------------------|---------|
| Bundle Ø max.        | 60 mm   |
| Bundle Ø min.        | 10.0 mm |
| Length (L)           | 230 mm  |
| Min.Tensile Strength | 445 N   |
| Thickness (T)        | 0.4 mm  |
| Width (W)            | 7.0 mm  |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES                                     |
| Flammability                  | non-burning (except coating)            |
| Halogenfree                   | Yes                                     |
| Hazardous good                | No                                      |
| Limited Fire Hazard           | Yes                                     |
| Material                      | Stainless Steel (SS316), Polyester (SP) |
| Operating Temperature - °C    | -80 °C to +538 °C                       |
| Operating Temperature Coating | -50 °C to +150 °C                       |
| Specifications                |   |

# Pneumatic tensioning tool plastic housing SP MK7P BASE FOR MK7P

MK7P up to 4.8 mm strap width, Article number: 110-10256



<https://www.hellermanntyton.com/110-10256>

## Base Data

|                                  |  |
|----------------------------------|--|
| Air Pressure (min.)              | 3 Bar  |
| Air Pressure Psi (max.)          | 90 Psi   |
| Colour                           | Grey (GY)  |
| for Air Pressure min - max       | 3 - 6 Bar  |
| Operation                        | pneumatic  |
| Pack Cont.                       | 1 pc.  |
| Package Quantity per             | bag  |
| <b>PART DESCRIPTION</b>          | <b>SP MK7P BASE FOR MK7P-MET-GY</b>                |
| Product Family                   | MK7P up to 4.8 mm strap width                      |
| Product Group                    | Pneumatic tensioning tool plastic housing          |
| Short Description                | Pneumatic tensioning tool up to 4.8 mm strap width |
| Tool property                    | Automatic cut off                                  |
| Tool suitable cable tie material | Plastic  |

## Product Dimensions

|                        |                           |
|------------------------|---------------------------|
| Air Pressure (max.)    | 6 Bar                     |
| Air Supply             | non oiled, oiled          |
| Hose Internal Diameter | 4.0 mm                    |
| L x H x W              | approx. 220 x 170 x 40 mm |
| Tension force (N)      | 60-170 N                  |
| Tension setting        | Adjustable                |

## Material and Specifications

|                               |               |
|-------------------------------|---------------|
| CE Certification              | No            |
| ELV compliant (Article 4 - 2) | YES           |
| Hazardous good                | No            |
| Material                      | Metal (MET)   |
| Prop65 Warning                | No            |
| Specifications                | <b>RoHS</b> ✓ |
| UL Listed (US and Canada)     | No            |
| UL Recognized (US and Canada) | No            |

# Cable ties for outdoor use (UV-resistant) T18R

T-Series in PA66W/UV black, Article number: 111-01914

2021-03-18



<https://www.hellermannntyton.com/111-01914>




## Base Data

|                               |   |
|-------------------------------|---|
| Application Tool              | MK3PNSP2, MK3SP, EVOcut, MK20, EVO7       |
| Colour                        | Black (BK)                                |
| Identification Plate Position | none                                      |
| Pack Cont.                    | 100 pcs.                                  |
| Package Quantity per          | bag                                       |
| <b>PART DESCRIPTION</b>       | <b>T18R-PA66W-BK</b>                      |
| Product Family                | T-Series in PA66W/UV black                |
| Product Group                 | Cable ties for outdoor use (UV-resistant) |
| Releasable Closure (Yes/No)   | No  |
| Short Description             | Cable Tie 100x2.45 UV-black               |
| Tie Closure                   | plastic pawl                              |
| Variant                       | Inside Serrated                           |

## Product Dimensions

|                      |          |
|----------------------|----------|
| Bundle Ø max.        | 22.0 mm  |
| Bundle Ø min.        | 1.5 mm   |
| Height (H)           | 3.7 mm   |
| Length (L)           | 100.0 mm |
| Min.Tensile Strength | 80.0 N   |
| Thickness (T)        | 1.0 mm   |
| Width (W)            | 2.5 mm   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| CE Certification              | Yes   |
| CSA Certified                 | No  |
| Designation as per VG-Norm    | VG 95387 T04 A 106 B  |
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 V2  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| Material                      | Polyamide 6.6, UV-resistant (PA66W)   |
| Nato number                   | 5975-14-557-5345  |
| Operating Temperature - °C    | -40 °C to +85 °C  |
| Prop65 Warning                | No  |
| Specifications                |    |
| Specifications                | CAGE Code 53421, VG 95387 Part 4 Edition: 2008-12   |
| UL Listed (US and Canada)     | No  |
| UL Recognized (US and Canada) | Yes   |
| UL-File Number                | E64139  |
| US Gov. Designation           | MS3367-4-0, Class 2, SAE-AS33671  |



# Cable Ties inside serrated T50L

Article number: 111-01128

2021-03-18



<https://www.hellermannntyton.com/111-01128>



## Base Data

|                               |   |
|-------------------------------|---|
| Application Tool              | MK3PNSP2, MK3SP, EVOcut, MK7HT, MK7P, MK20, MK21, EVO7, EVO7SP, EVO9      |
| Colour                        | Black (BK)  |
| Identification Plate Position | none  |
| Pack Cont.                    | 1000 pcs.   |
| Package Quantity per          | bag   |
| PART DESCRIPTION              | T50L-PA66HIRHSUV-BK   |
| Product Group                 | Cable Ties inside serrated  |
| Releasable Closure (Yes/No)   | No  |
| Short Description             | Cable Tie 390x4.6 mm, high impact modified, heat and UV stabilised, black |
| Tie Closure                   | plastic pawl  |
| Variant                       | Inside Serrated   |

## Product Dimensions

|                      |          |
|----------------------|----------|
| Bundle Ø max.        | 110.0 mm |
| Bundle Ø min.        | 1.5 mm   |
| Length (L)           | 390.0 mm |
| Min.Tensile Strength | 225.0 N  |
| Thickness (T)        | 1.4 mm   |
| Width (W)            | 4.8 mm   |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| CE Certification              | Yes   |
| CSA Certified                 | No  |
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 HB  |
| Hazardous good                | No  |
| Material                      | Polyamide 6.6, high impact modified, heat and UV-stabilised (PA66HIRHSUV)   |
| Operating Temperature - °C    | -40 °C to +105 °C   |
| Prop65 Warning                | No  |
| Specifications                |   |
| UL Listed (US and Canada)     | No  |
| UL Recognized (US and Canada) | Yes   |
| UL-File Number                | E64139  |

# 1-piece fixing tie with built-in spacer TAS120L

For parallel routing of pipes and harnesses, Article number: 111-01672

2021-03-18



<https://www.hellermannntyton.com/111-01672>

## Base Data

|                               |   |
|-------------------------------|---|
| Colour                        | Black (BK)  |
| Fixation Method               | Others  |
| Identification Plate Position | none  |
| Pack Cont.                    | 500 pc.   |
| Package Quantity per          | bag   |
| PART DESCRIPTION              | TAS120L-PA66HIRHSUV-BK  |
| Product Family                | For parallel routing of pipes and harnesses   |
| Product Group                 | 1-piece fixing tie with built-in spacer   |
| Releasable Closure (Yes/No)   | No  |
| Short Description             | Cable Tie 420x12.7 mm, outside serrated for parallel routing, high impact modified, heat and UV stabilised, black |
| Tie Closure                   | plastic pawl  |
| Variant                       | Outside Serrated  |

## Product Dimensions

|                               |          |
|-------------------------------|----------|
| Bundle Ø max.                 | 114.0 mm |
| Cable Tie Head Width (metric) | 33.0 mm  |
| Height (H)                    | 19.0 mm  |
| Length (L)                    | 420.0 mm |
| Min.Tensile Strength          | 535.0 N  |
| Strap Width max. (G)          | 1.3 "    |
| Thickness (T)                 | 1.58 mm  |
| Width (W)                     | 12.7 mm  |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| CE Certification              | No  |
| CSA Certified                 | No  |
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 HB  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| Material                      | Polyamide 6.6, high impact modified, heat and UV-stabilised (PA66HIRHSUV) |
| Operating Temperature - °C    | -40 °C to +105 °C   |
| Prop65 Warning                | No  |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓   |
| UL Listed (US and Canada)     | No  |
| UL Recognized (US and Canada) | No  |

# 1-piece fixing tie with built-in spacer TAS120M

For parallel routing of pipes and harnesses, Article number: 111-01671

2021-03-18



<https://www.hellermannntyton.com/111-01671>

## Base Data

|                               |   |
|-------------------------------|---|
| Colour                        | Black (BK)  |
| Fixation Method               | Others  |
| Identification Plate Position | none  |
| Pack Cont.                    | 500 pcs.  |
| Package Quantity per          | bag   |
| PART DESCRIPTION              | TAS120M-PA66HIRHSUV-BK  |
| Product Family                | For parallel routing of pipes and harnesses   |
| Product Group                 | 1-piece fixing tie with built-in spacer   |
| Releasable Closure (Yes/No)   | No  |
| Short Description             | Cable Tie 270x12.7 mm, outside serrated for parallel routing, high impact modified, heat and UV stabilised, black |
| Tie Closure                   | plastic pawl  |
| Variant                       | Outside Serrated  |

## Product Dimensions

|                               |          |
|-------------------------------|----------|
| Bundle Ø max.                 | 70.0 mm  |
| Cable Tie Head Width (metric) | 33.0 mm  |
| Height (H)                    | 19.0 mm  |
| Length (L)                    | 270.0 mm |
| Min.Tensile Strength          | 535.0 N  |
| Strap Width max. (G)          | 1.3 "    |
| Thickness (T)                 | 1.58 mm  |
| Width (W)                     | 12.7 mm  |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| CE Certification              | No  |
| CSA Certified                 | No  |
| ELV compliant (Article 4 - 2) | YES   |
| Flammability                  | UL 94 HB  |
| Halogenfree                   | Yes   |
| Hazardous good                | No  |
| Material                      | Polyamide 6.6, high impact modified, heat and UV-stabilised (PA66HIRHSUV) |
| Operating Temperature - °C    | -40 °C to +105 °C   |
| Prop65 Warning                | No  |
| Specifications                | <b>HF</b> ✓ <b>RoHS</b> ✓   |
| UL Listed (US and Canada)     | No  |
| UL Recognized (US and Canada) | No  |

# Hook and loop ties TEXTIE 1M

TEXTIE-Series, Article number: 130-00008

2021-03-18



<https://www.hellermannntyton.com/130-00008>

## Base Data

|                               |   |
|-------------------------------|---|
| Colour                        | Black (BK)                              |
| Identification Plate Position | none                                    |
| Pack Cont.                    | 1 m                                     |
| Package Quantity per          | bag                                     |
| <b>PART DESCRIPTION</b>       | <b>TEXTIE 1M-PA66/PP-BK</b>             |
| Product Family                | TEXTIE-Series                           |
| Product Group                 | Hook and loop ties                      |
| Releasable Closure (Yes/No)   | Yes                                     |
| Short Description             | Hook and Loop Tie 1000x12.5 mm<br>black |
| Tie Closure                   | hook and loop                           |
| Variant                       | Grip Tie                                |

## Product Dimensions

|               |         |
|---------------|---------|
| Bundle Ø max. | 300 mm  |
| Length (L)    | 1000 mm |
| Thickness (T) | 1.3 mm  |
| Width (W)     | 13.0 mm |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Hazardous good                | No  |
| Material                      | Polyamide 6.6 (PA66),<br>Polypropylene (PP) |
| Material Hook                 | Polypropylene (PP)                          |
| Material Loop                 | Polyamide 6.6 (PA66)                        |
| Material Shortcut Hook        | PP  |
| Material Shortcut Loop        | PA  |
| Operating Temperature - °C    | -40 °C to +85 °C                            |
| Specifications                | <b>RoHS</b> ✓                               |

# Hook and loop ties TEXTIE 1M

TEXTIE-Series, Article number: 130-00004

2021-03-18



<https://www.hellermannntyton.com/130-00004>

## Base Data

|                               |  |
|-------------------------------|--|
| Colour                        | Blue (BU)                              |
| Identification Plate Position | none                                   |
| Pack Cont.                    | 1 m                                    |
| Package Quantity per          | bag                                    |
| <b>PART DESCRIPTION</b>       | <b>TEXTIE 1M-PA66/PP-BU</b>            |
| Product Family                | TEXTIE-Series                          |
| Product Group                 | Hook and loop ties                     |
| Releasable Closure (Yes/No)   | Yes                                    |
| Short Description             | Hook and Loop Tie 1000x12.5 mm<br>blue |
| Tie Closure                   | hook and loop                          |
| Variant                       | Grip Tie                               |

## Product Dimensions

|                         |         |
|-------------------------|---------|
| Bundle $\emptyset$ max. | 300 mm  |
| Length (L)              | 1000 mm |
| Thickness (T)           | 1.3 mm  |
| Width (W)               | 13.0 mm |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Hazardous good                | No  |
| Material                      | Polyamide 6.6 (PA66),<br>Polypropylene (PP) |
| Material Hook                 | Polypropylene (PP)                          |
| Material Loop                 | Polyamide 6.6 (PA66)                        |
| Material Shortcut Hook        | PP  |
| Material Shortcut Loop        | PA  |
| Operating Temperature - °C    | -40 °C to +85 °C                            |
| Specifications                | <b>RoHS</b> ✓                               |

# Hook and loop ties TEXTIE 1M

TEXTIE-Series, Article number: 130-00006

2021-03-18



<https://www.hellermannntyton.com/130-00006>

## Base Data

|                               |  |
|-------------------------------|--|
| Colour                        | Grey (GY)                              |
| Identification Plate Position | none                                   |
| Pack Cont.                    | 1 m                                    |
| Package Quantity per          | bag                                    |
| <b>PART DESCRIPTION</b>       | <b>TEXTIE 1M-PA66/PP-GY</b>            |
| Product Family                | TEXTIE-Series                          |
| Product Group                 | Hook and loop ties                     |
| Releasable Closure (Yes/No)   | Yes                                    |
| Short Description             | Hook and Loop Tie 1000x12.5 mm<br>grey |
| Tie Closure                   | hook and loop                          |
| Variant                       | Grip Tie                               |

## Product Dimensions

|               |         |
|---------------|---------|
| Bundle Ø max. | 300 mm  |
| Length (L)    | 1000 mm |
| Thickness (T) | 1.3 mm  |
| Width (W)     | 13.0 mm |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Hazardous good                | No  |
| Material                      | Polyamide 6.6 (PA66),<br>Polypropylene (PP) |
| Material Hook                 | Polypropylene (PP)                          |
| Material Loop                 | Polyamide 6.6 (PA66)                        |
| Material Shortcut Hook        | PP  |
| Material Shortcut Loop        | PA  |
| Operating Temperature - °C    | -40 °C to +85 °C                            |
| Specifications                | <b>RoHS</b> ✓                               |

# Hook and loop ties TEXTIE 1M

TEXTIE-Series, Article number: 130-00005

2021-03-18



<https://www.hellermannntyton.com/130-00005>

## Base Data

|                               |                                    |
|-------------------------------|------------------------------------|
| Colour                        | Red (RD)                           |
| Identification Plate Position | none                               |
| Pack Cont.                    | 1 m                                |
| Package Quantity per          | bag                                |
| <b>PART DESCRIPTION</b>       | <b>TEXTIE 1M-PA66/PP-RD</b>        |
| Product Family                | TEXTIE-Series                      |
| Product Group                 | Hook and loop ties                 |
| Releasable Closure (Yes/No)   | Yes                                |
| Short Description             | Hook and Loop Tie 1000x12.5 mm red |
| Tie Closure                   | hook and loop                      |
| Variant                       | Grip Tie                           |

## Product Dimensions

|               |         |
|---------------|---------|
| Bundle Ø max. | 300 mm  |
| Length (L)    | 1000 mm |
| Thickness (T) | 1.3 mm  |
| Width (W)     | 13.0 mm |

## Material and Specifications

|                               |   |
|-------------------------------|---|
| ELV compliant (Article 4 - 2) | YES   |
| Hazardous good                | No  |
| Material                      | Polyamide 6.6 (PA66),<br>Polypropylene (PP) |
| Material Hook                 | Polypropylene (PP)                          |
| Material Loop                 | Polyamide 6.6 (PA66)                        |
| Material Shortcut Hook        | PP  |
| Material Shortcut Loop        | PA  |
| Operating Temperature - °C    | -40 °C to +85 °C                            |
| Specifications                | <b>RoHS</b> ✓                               |

# Hook and loop ties TEXTIE 1M

TEXTIE-Series, Article number: 130-00007

2021-03-18



<https://www.hellermannntyton.com/130-00007>

## Base Data

|                               |                                      |
|-------------------------------|--------------------------------------|
| Colour                        | White (WH)                           |
| Identification Plate Position | none                                 |
| Pack Cont.                    | 1 m                                  |
| Package Quantity per          | bag                                  |
| <b>PART DESCRIPTION</b>       | <b>TEXTIE 1M-PA66/PP-WH</b>          |
| Product Family                | TEXTIE-Series                        |
| Product Group                 | Hook and loop ties                   |
| Releasable Closure (Yes/No)   | Yes                                  |
| Short Description             | Hook and Loop Tie 1000x12.5 mm white |
| Tie Closure                   | hook and loop                        |
| Variant                       | Grip Tie                             |

## Product Dimensions

|               |         |
|---------------|---------|
| Bundle Ø max. | 300 mm  |
| Length (L)    | 1000 mm |
| Thickness (T) | 1.3 mm  |
| Width (W)     | 13.0 mm |

## Material and Specifications

|                               |  |
|-------------------------------|--|
| ELV compliant (Article 4 - 2) | YES                                      |
| Hazardous good                | No                                       |
| Material                      | Polyamide 6.6 (PA66), Polypropylene (PP) |
| Material Hook                 | Polypropylene (PP)                       |
| Material Loop                 | Polyamide 6.6 (PA66)                     |
| Material Shortcut Hook        | PP                                       |
| Material Shortcut Loop        | PA                                       |
| Operating Temperature - °C    | -40 °C to +85 °C                         |
| Specifications                | <b>RoHS</b> ✓                            |





<https://www.hellermanntyton.com/151-00354>

## Base Data

|                         |                             |
|-------------------------|-----------------------------|
| Colour                  | Black (BK)                  |
| Fixation Method         | Screw Mounting and Adhesive |
| Pack Cont.              | 100 pcs.                    |
| Package Quantity per    | bag                         |
| <b>PART DESCRIPTION</b> | <b>UB19-B-PA66-BK</b>       |
| Short Description       | Fixing Mount 19x19 black    |

## Product Dimensions

|                           |        |
|---------------------------|--------|
| for Hole $\emptyset$ (FH) | 3.1 mm |
| Height (H)                | 3.8 mm |
| Length (L)                | 19 mm  |
| Strap Width max. (G)      | 4.1 mm |
| Width (W)                 | 19 mm  |

## Material and Specifications

|                               |                      |
|-------------------------------|----------------------|
| ELV compliant (Article 4 - 2) | YES                  |
| Hazardous good                | No                   |
| Material                      | Polyamide 6.6 (PA66) |
| Operating Temperature - °C    | -40 °C to +85 °C     |
| Specifications                | <b>RoHS</b> ✓        |



<https://www.hellermanntyton.com/151-00355>

## Base Data

|                         |                             |
|-------------------------|-----------------------------|
| Colour                  | White (WH)                  |
| Fixation Method         | Screw Mounting and Adhesive |
| Pack Cont.              | 100 pcs.                    |
| Package Quantity per    | bag                         |
| <b>PART DESCRIPTION</b> | <b>UB19-N-PA66-WH</b>       |
| Short Description       | Fixing Mount 19x19 white    |

## Product Dimensions

|                           |        |
|---------------------------|--------|
| for Hole $\emptyset$ (FH) | 3.1 mm |
| Height (H)                | 3.8 mm |
| Length (L)                | 19 mm  |
| Strap Width max. (G)      | 4.1 mm |
| Width (W)                 | 19 mm  |

## Material and Specifications

|                               |                      |
|-------------------------------|----------------------|
| ELV compliant (Article 4 - 2) | YES                  |
| Hazardous good                | No                   |
| Material                      | Polyamide 6.6 (PA66) |
| Operating Temperature - °C    | -40 °C to +85 °C     |
| Specifications                | <b>RoHS</b> ✓        |



<https://www.hellermannntyton.com/151-00356>

## Base Data

|                         |                             |
|-------------------------|-----------------------------|
| Colour                  | Black (BK)                  |
| Fixation Method         | Screw Mounting and Adhesive |
| Pack Cont.              | 100 pcs.                    |
| Package Quantity per    | bag                         |
| <b>PART DESCRIPTION</b> | <b>UB28-B-PA66-BK</b>       |
| Short Description       | Fixing Mount 28x28 black    |

## Product Dimensions

|                         |        |
|-------------------------|--------|
| Fixing Hole Centres (F) | 4.0 mm |
| Height (H)              | 4.7 mm |
| Length (L)              | 28 mm  |
| Strap Width max. (G)    | 5.4 mm |
| Width (W)               | 28 mm  |

## Material and Specifications

|                               |                      |
|-------------------------------|----------------------|
| ELV compliant (Article 4 - 2) | YES                  |
| Hazardous good                | No                   |
| Material                      | Polyamide 6.6 (PA66) |
| Operating Temperature - °C    | -40 °C to +85 °C     |
| Specifications                |                      |



<https://www.hellermannnyton.com/151-00357>

## Base Data

|                         |                             |
|-------------------------|-----------------------------|
| Colour                  | White (WH)                  |
| Fixation Method         | Screw Mounting and Adhesive |
| Pack Cont.              | 100 pcs.                    |
| Package Quantity per    | bag                         |
| <b>PART DESCRIPTION</b> | <b>UB28-N-PA66-WH</b>       |
| Short Description       | Fixing Mount 28x28 white    |

## Product Dimensions

|                           |        |
|---------------------------|--------|
| for Hole $\emptyset$ (FH) | 4.0 mm |
| Height (H)                | 4.7 mm |
| Length (L)                | 28 mm  |
| Strap Width max. (G)      | 5.4 mm |
| Width (W)                 | 28 mm  |

## Material and Specifications

|                               |                      |
|-------------------------------|----------------------|
| ELV compliant (Article 4 - 2) | YES                  |
| Hazardous good                | No                   |
| Material                      | Polyamide 6.6 (PA66) |
| Operating Temperature - °C    | -40 °C to +85 °C     |
| Specifications                | <b>RoHS</b> ✓        |

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