



<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 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 black

## Product Dimensions

Bundle Ø max.	20.0 mm
Inside Ø (ID)	5.5 mm
Supplied Ø D min.	5.5 mm
Wall (WT)	1.05 mm

## Material and Specifications

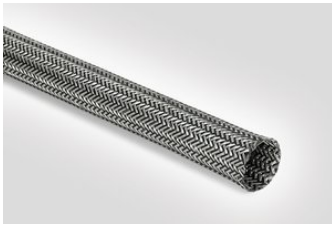
Elongation at break	min. 500%
ELV compliant (Article 4 - 2)	YES
Flammability	UL 94 HB
Hazardous good	No
Material	Chloroprene Rubber (CR)
Operating Temperature - °C	-65 °C to +95 °C, intermittent +120 °C

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
<b>PART DESCRIPTION</b>	<b>HEGEMIP35-PET/SNCU-ML</b>
Product Family	Helagaine 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	<b>HF</b> ✓ <b>RoHS</b> ✓



<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
<b>PART DESCRIPTION</b>	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	<b>HF</b> ✓ <b>RoHS</b> ✓

# 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
<b>PART DESCRIPTION</b>	<b>LTSH10-GS/TPR-BK</b>
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 $\varnothing$ 10mm reel 25m

## Product Dimensions

Inside $\varnothing$ (ID)	7.0 mm
Min. Bending Radius (R)	35 mm
Nominal $\varnothing$	10 mm
Nominal $\varnothing$	0.38 "
Outside $\varnothing$ (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 - $^{\circ}$ C	-60 $^{\circ}$ C to +150 $^{\circ}$ 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 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 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
PART DESCRIPTION	HG21-90CG-PG16-PA66/NPB-BK
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 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 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
PART DESCRIPTION	HG34-SCG-PG29-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 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
Variants	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

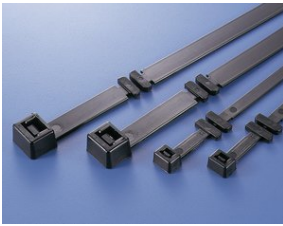
## Material and Specifications

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

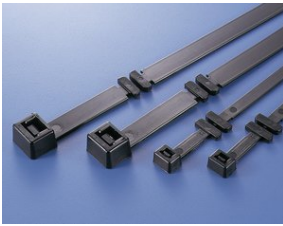
## Material and Specifications

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
<b>PART DESCRIPTION</b>	<b>GL200-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 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 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 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
PART DESCRIPTION	SP MK7P BASE FOR MK7P-MET-GY
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 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

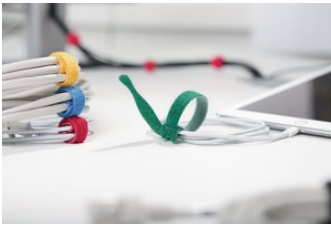
## Material and Specifications

ELV compliant (Article 4 - 2)	YES
Hazardous good	No
Material	Polyamide 6.6 (PA66), 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 blue
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

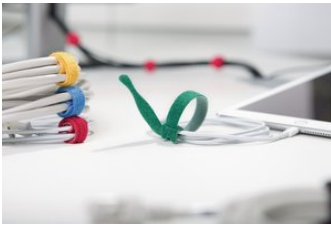
## Material and Specifications

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> ✓

# 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 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

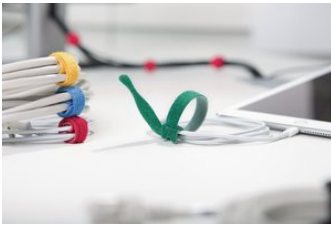
## Material and Specifications

ELV compliant (Article 4 - 2)	YES
Hazardous good	No
Material	Polyamide 6.6 (PA66), 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 $\emptyset$ max.	300 mm
Length (L)	1000 mm
Thickness (T)	1.3 mm
Width (W)	13.0 mm

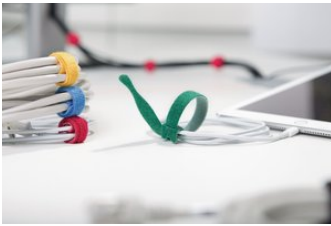
## Material and Specifications

ELV compliant (Article 4 - 2)	YES
Hazardous good	No
Material	Polyamide 6.6 (PA66), 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.hellermannnyton.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.hellermannntyton.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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