

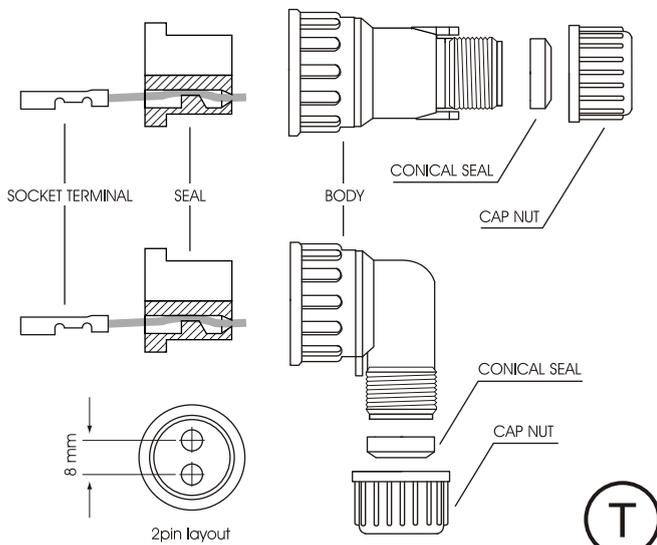
HARNESS PROTECTION - SG CONNECTORS

This product is predominantly used by the world's leading car, truck, bus and agricultural original equipment manufacturers. Below is a condensed overview of the Schlemmer range of harness protection system. When correctly assembled, the system seals up to a rating of IP67. For more detailed information, refer to our Harness Protection Catalogue.



The SG range are 'conduit sealed' connectors - that is, the conduit and connector form part of the sealed system. The IP67 rating can only be assured with Schlemmer unsplit conduit and when the conical seals are fitted. When looking up other components to use with the conduit, always refer to the greyed 'Nom.Size' column. Any other dimensions shown are for physical reference only.

- Polyamide 6 connector housing ● Neoprene seals
- Flame Retardant ● U.V. Resistant ● IP67 rated
- Full chemical compatibility specification available



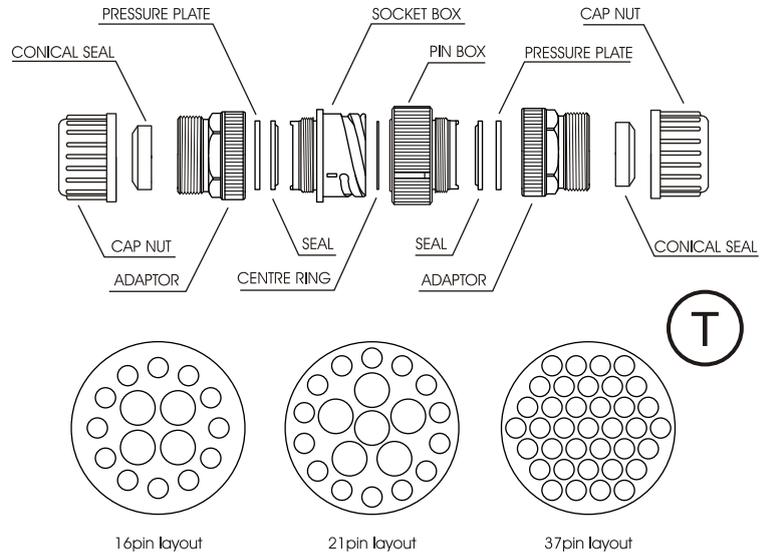
Conduit sealed 2 pin solenoid connectors.

| P/No. | circuits | Nom.Size | angle | /unit |
|-----------------|----------|----------|----------|-------|
| SG272 | 2 | 8 | straight | 1 |
| SG24902* | 2 | 12 | 90° | 1 |
| SG27902 | 2 | 12 | 90° | 1 |

Notes:
Check the orientation of the conical seal during assembly.
*SG24902 is M24x1 thread. All others are M27x1 thread.

SG272 / SG24902 / SG27902 kit contents:

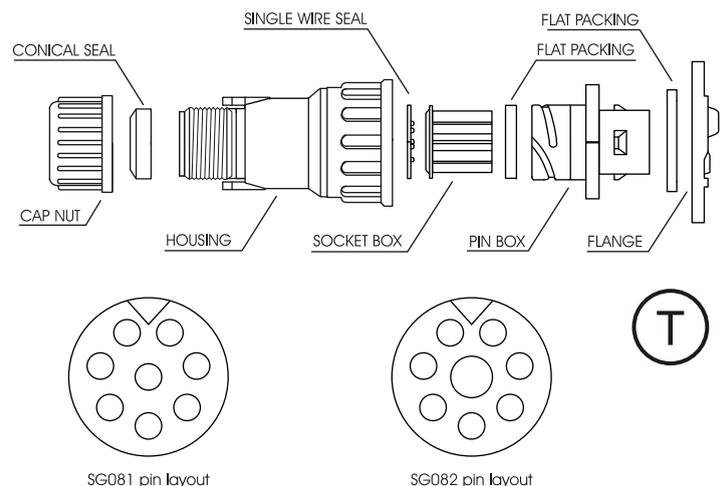
- 2 x socket terminals 3.5mm dia. - 2.5 - 6.0mm² CSA (P/No. 7702973)
- 1 x conical seal
- 1 x housing
- 1 x cap nut



Conduit sealed 16, 21 & 37 pin connectors.

| P/No. | circuits | Nom.Size | No. x CSA | /unit |
|-------------|----------|----------|---------------|-------|
| SG16 | 16 | 25 | 12x1.5, 4x6.0 | 1 |
| SG21 | 21 | 25 | 14x1.5, 7x6.0 | 1 |
| SG37 | 37 | 25 | 37 x 1.5 | 1 |

Notes:
Check the orientation of the conical seal during assembly.
For kit contents refer our Harness Protection Catalogue.



Conduit sealed 8 pin panel mount connector.

| P/No. | circuits | Nom.Size | No. x CSA | /unit |
|--------------|----------|----------|--------------|-------|
| SG081 | 8 | 8 | 8x1.5 | 1 |
| SG082 | 8 | 8 | 1x6.0, 7x1.5 | 1 |

Notes:
Check the orientation of the conical seal during assembly.
For kit contents refer our Harness Protection Catalogue.

HARNESS PROTECTION - SQ CONNECTORS

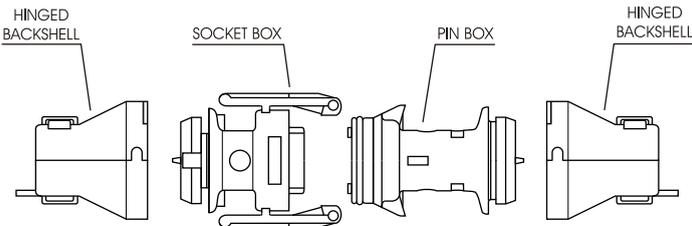
This product is predominantly used by the world's leading car, truck, bus and agricultural original equipment manufacturers. Below is a condensed overview of the Schlemmer range of harness protection system. When correctly assembled, the system seals up to a rating of IP67. For more detailed information, refer to our Harness Protection Catalogue.



The SQ range are 'contact sealed' connectors - that is, the terminals are individually sealed. This method ensures a sealed connector regardless if split or unsplit conduit is used. Unlike the Threadconnect range, these connectors can be fitted to the conduit during or after final assembly instead of in sequence with the conduit. They can be easily changed once the harness is installed or backshells replaced if the harness requires modification or repair.

When looking up other components to use with the conduit, always refer to the greyed 'Nom.Size' column. Any other dimensions shown are for physical reference only.

- Polyamide 6 connector housing ● Neoprene seals
- Flame Retardant ● U.V. Resistant ● IP67 rated
- Full chemical compatibility specification available



Contact sealed inline 5 pin connectors.

| P/No. | circuits | Nom.Size | angle | /unit |
|--------------|----------|----------|----------|-------|
| SQ510 | 5 | 10 | straight | 1 |
| SQ512 | 5 | 12 | straight | 1 |

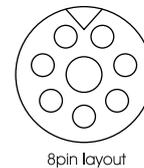
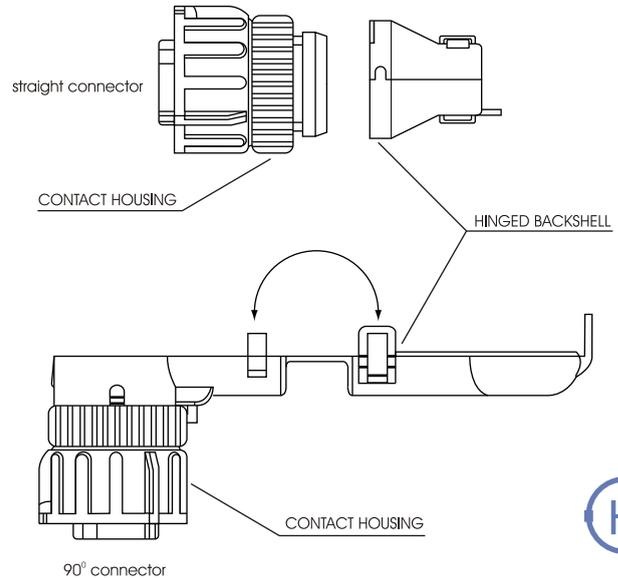
Notes:

These adaptors can also be used with split conduit.

SQ501 / SQ502 kit contents:

- 5 x socket terminals 4.0mm dia. - 0.75 - 1.5mm² CSA (P/No. 7814095)
- 1 x pin terminals 4.0mm dia. - 0.75 - 1.5mm² CSA (P/No.7815045)
- 1 x socket box
- 1 x pin box
- 10 x seals (P/No. 7814138)
- 4 x cavity plugs (P/No. 7814135)
- 1 x 'O' ring
- 2 x hinged backshells

- Polyamide 6 connector housing ● Neoprene seals
- Flame Retardant ● U.V. Resistant ● IP67 rated
- Full chemical compatibility specification available



Contact sealed 4 & 8 pin connectors.

| P/No. | circuits | Nom.Size | angle | /unit |
|--------------|----------|----------|----------|-------|
| SQ401 | 4 | 10 | straight | 1 |
| SQ409 | 4 | 10 | 90° | 1 |
| SQ801 | 8 | 12 | straight | 1 |
| SQ802 | 8 | 12 | 90° | 1 |

Notes:

These adaptors can also be used with split conduit

SQ401 / SQ409 kit contents:

- 5 x socket terminals 6.7mm dia. - 0.5 - 1.5mm² CSA (P/No. 7814125)
- 4 x seals (P/No. 7814128)
- 2 x cavity plugs (P/No. 7814130)
- 1 x contact housing
- 1 x contact lock
- 1 x hinged backshell

SQ801 / SQ809 kit contents:

- 7 x socket terminals 5.2mm dia. - 0.5 - 1.0mm² CSA (P/No. 7814047)
- 1 x socket terminal 4.0mm dia. - 0.5 - 1.0mm² CSA (P/No. 7814050)
- 8 x seals (P/No. 7814140)
- 4 x cavity plugs (P/No. 7814136)
- 1 x contact housing
- 1 x contact lock
- 1 x hinged backshell

HARNESS PROTECTION - ACCESSORIES

These accessories compliment the harness protection range. There are many other products available such as reducers for hinged fittings, installation tools, crimping and terminal removal tools, and alternative harness conduits and sleeves. For more detailed information refer to our Harness Protection Catalogue.

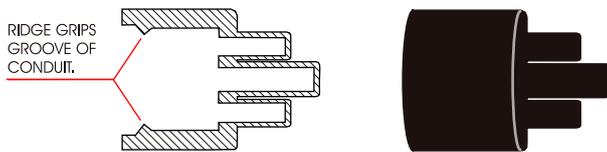


End caps and sleeves are used where cables exit conduit and provide a high level of protection from dust and water.

Cable glands are IP68 rated and are used where cables and conduit are passed through panels into areas that need to be protected from the environment such as enclosures, cable junction boxes and control boxes

ST01 is designed for mounting with fuel sender unit to allow for contacts to be housed in a sealed environment..

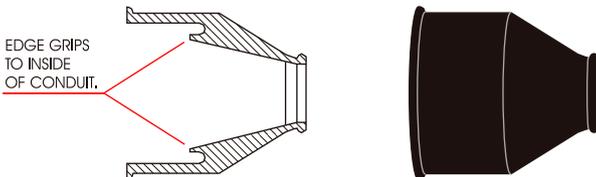
When looking up other components to use with the conduit, always refer to the greyed 'Nom.Size' column. Any other dimensions shown are for physical reference only.



SJ range end caps.

| P/NO. | Nom.Size | outlets | /unit |
|-------------|----------|---------|-------|
| SJ03 | 10 - 12 | 3 | 5 |
| SJ05 | 12 | 5 | 5 |
| SJ06 | 16 | 6 | 5 |

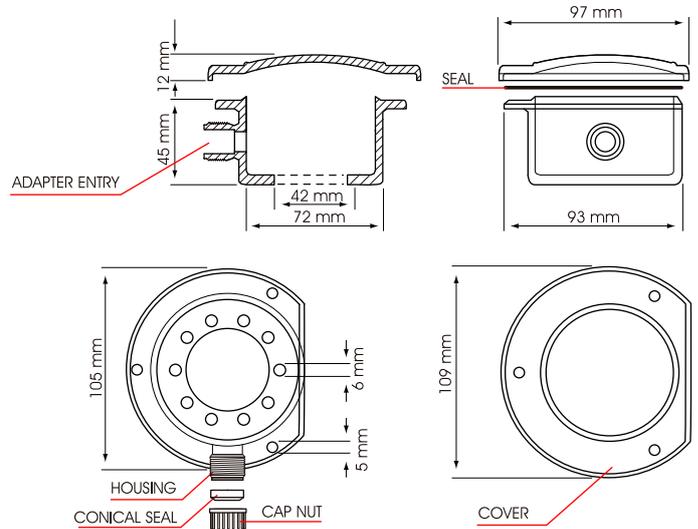
Notes:
These end caps are best used on unsplit conduit.



SJ range end sleeves.

| P/NO. | Nom.Size | outlet dia. | /unit |
|-------------|----------|-------------|-------|
| SJ12 | 12 | 2-6 | 5 |
| SJ16 | 16 | 4-9 | 5 |
| SJ20 | 20 | 6-14 | 5 |
| SJ25 | 25 | 7-17 | 5 |
| SJ32 | 32 | 16-30 | 1 |

Notes:
These end caps are best used on unsplit conduit.

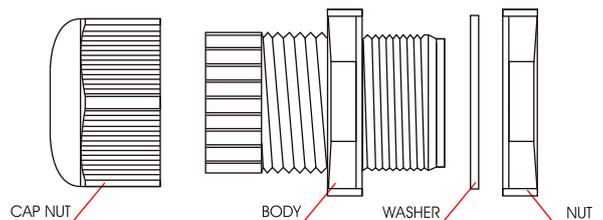


Fuel Tank Junction Box

| P/NO. | Nom.Size | /unit |
|-------------|----------|-------|
| ST01 | 12 | 1 |

Notes:
Also suitable for any application requiring a sealed enclosure over exposed terminations.

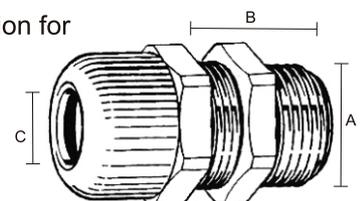
ST01 kit contents:
1 x housing
1 x lid
1 x seal



SR series metric cable glands

| P/No. | A | B | C | Seal Range |
|--------------|------|--------|--------|------------|
| SR12 | 12mm | 7.7mm | 6.7mm | 2-6.5mm |
| SR16 | 16mm | 14.2mm | 10.9mm | 5-10mm |
| SR20 | 20mm | 13.5mm | 14.2mm | 8-14mm |
| SR25* | 25mm | 9.75mm | 18.1mm | 11-18mm |
| SR32* | 32mm | 10.7mm | 20.7mm | 13-20mm |
| SR40* | 40mm | 13.4mm | 32.1mm | 19-31mm |
| SR50* | 50mm | 16.4mm | 41.4mm | 28-41mm |
| SR63* | 63mm | 18.2mm | 44.2mm | 36-44mm |

Notes:
Refer to the adjacent illustration for dimensional information.
*For 4mm max. panels.



HARNESS SUPPORTS

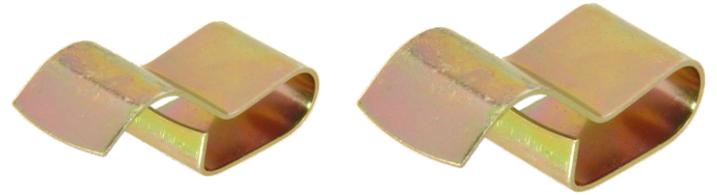
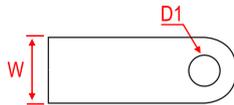
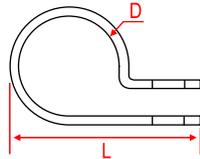
A range supports used to secure and fasten harnesses and other lines into place. They are made from durable materials. See our range of cable ties and mounts for more options. We carry a full range of harness protection products.



Plastic P-Clip

- For lighter weight harness applications
- Black U.V resistant Nylon66
- D1 = 5mm

- 20005 - D = 4.8mm, W = 9mm
- 20006 - D = 6.4mm, W = 9mm
- 20011 - D = 7.9mm, W = 10mm
- 20009 - D = 9.5mm, W = 13mm
- 20012 - D = 12.5mm, W = 13mm
- 20014 - D = 15.8mm, W = 12mm

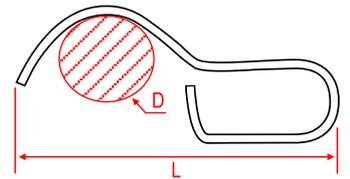


Chassis clip

- Cadmium plated spring steel
- Cost effective and quick to install
- Secures conduit to chassis flanges without the need to drill for fasteners

- 20172 - D = 8 to 13mm
L = 42mm

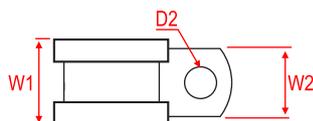
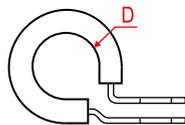
- 20173 - D = 16 to 20mm
L = 44mm



- 56478 - D = 6mm
- 56480 - D = 10mm
- 56481 - D = 13mm
- 56482 - D = 16mm
- 56483 - D = 19mm
- 56484 - D = 22mm
- 56485 - D = 27mm
- 56486 - D = 32mm
- 56487 - D = 35mm
- 56488 - D = 40mm
- 56489 - D = 45mm
- 56490 - D = 50mm
- 56491 - D = 55mm
- 56492 - D = 60mm
- 56493 - D = 66mm
- 56494 - D = 76mm

Metal Tube Clamps

- Galvanised steel band
- UV resistant EPDM rubber band
- D2 = 6.8mm
- W1 = 17.8mm
- W2 = 13mm

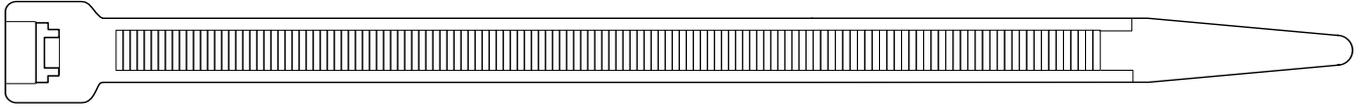


CABLE TIES

All ties meet or exceed industry standards for tensile strength.

See our range of cable tie mounts and supports.

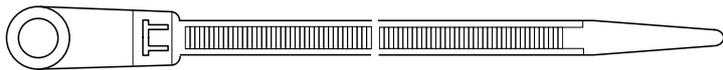
A wide range of lashing, pushmount and stainless steel ties to cover any application are available as special order.



| Part number | O.A.Length (mm) | Tie Width (mm) | Bundle Dia.(mm) | Tensile Min.(kg) | Colour |
|--------------|-----------------|----------------|-----------------|------------------|--------|
| 56400 | 100 | 2.5 | 25 | 8 | ● |
| 56402 | 150 | 3.6 | 39 | 18 | ● |
| 56404 | 200 | 4.8 | 55 | 22 | ● |
| 56406 | 300 | 4.8 | 85 | 22 | ● |
| 56408 | 368 | 4.8 | 85 | 22 | ● |
| 56410 | 380 | 7.6 | 110 | 55 | ● |
| 56414 | 550 | 8.0 | 166 | 80 | ● |
| 56412 | 550 | 12.7 | 166 | 114 | ● |

Standard locking head cable tie

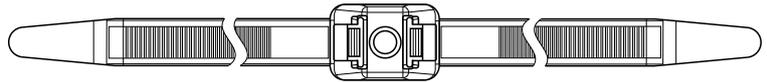
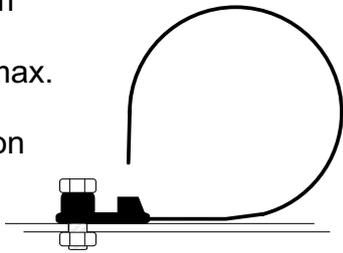
- Made from nylon66
- Black ties have carbonate A added for greater UV resistance
- Bent tip for easy insertion
- Exceeds most standards for tensile strength



56401

Screw Mount Cable Tie

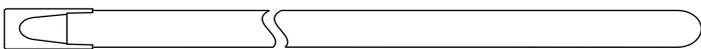
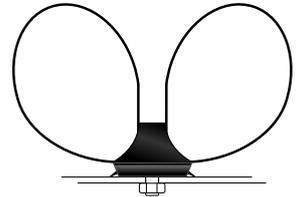
- Size (LxW) : 200x4.2mm
- Bundle size: 58mm
- Tensile strength: 22kg max.
- Mounting hole: 4.6mm
- Bent tip for easy insertion
- U.V. stabilised black



56415

Dual Head (handcuff) Cable Tie

- Size (LxW) : 200x12.7mm
- Bundle size: 2x 6-58mm
- Tensile strength: 670N
- Total load: 68kg min.
- Mounting hole: 6.35mm
- Bent tip for easy insertion
- Releasable so can be reused if permanently fixed
- U.V. stabilised black high impact PA66HIR material
- -40°C to +110°C continuous operating temperature
- Used to mount two harnesses/lines side-by-side while protecting from contact abrasion
- Used to mutually support two harnesses/lines



56404S

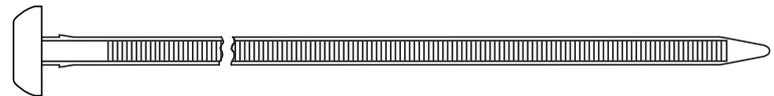
Stainless Steel Cable Tie

- Size (LxW) : 200x4.6mm
- Bundle size: 55mm max.
- Loop Load: 45kg
- 304 grade stainless steel
- Used in corrosive applications
- Used in high temperature applications

56411S

Stainless Steel Cable Tie

- Size (LxW) : 500x4.6mm
- Bundle size: 145mm max.
- Loop Load: 45kg
- 304 grade stainless steel
- Used in corrosive applications
- Used in high temperature applications



56416

Chassis Cable Tie

- Size (LxW) : 370x7.6mm
- Bundle size: 100mm
- Tensile strength: 700N
- Total load: 50kg min.
- Mounting hole: 12.7mm
- Ideal for use in chassis and cross-member holes
- Fully releasable prior to final tensioning
- U.V. stabilised black PA66HS material
- -40°C to +105°C continuous operating temperature

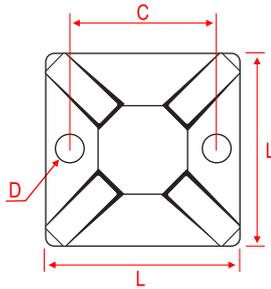
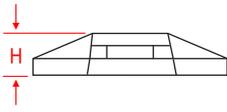
CABLE TIE MOUNTS

A range of mounts used with cable ties to secure and fasten harnesses and other lines into place. They are made from durable nylon66 material

Adhesive tie mounts should only be used for indoor applications and where the surface has been cleaned of any debris or oil. We carry a full range of cable clips and harness protection products.

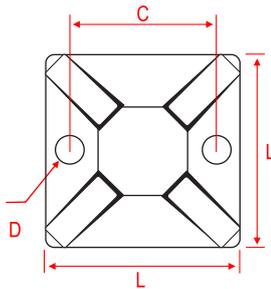
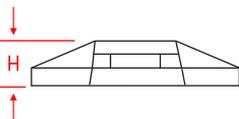
20019 Sticky Mount

- Quality self-adhesive backing
- Accepts ties up to 3.6mm
- 4 way tie insertion
- Optional mounting holes
- Black U.V. resistant Nylon66
- C = 12.7mm
- D = 2.6mm
- H = 5.3mm
- L = 19mm



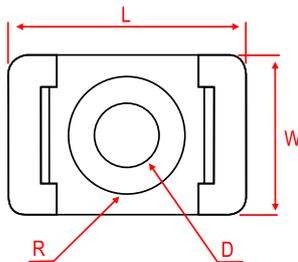
20028 Sticky Mount

- Quality self-adhesive backing
- Accepts ties up to 4.8mm
- 4 way tie insertion
- Optional mounting holes
- Black U.V. resistant Nylon66
- C = 18.5mm
- D = 3.6mm
- H = 6mm
- L = 28mm



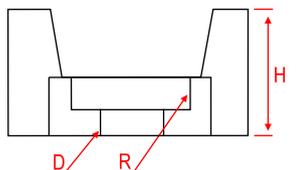
20004 - Cradle Mount

- Accepts ties up to 4.8mm wide
- U.V. resistant Nylon66
- D = 3.3mm
- R = 6.7mm
- L = 9.6mm
- W = 10mm
- H = 7mm



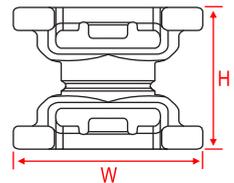
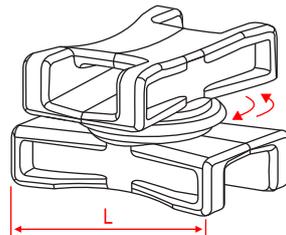
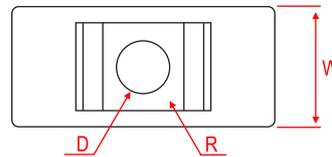
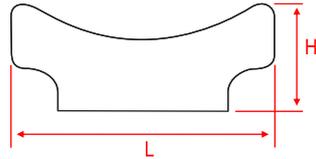
20002 - Cradle Mount

- Accepts ties up to 7.6mm wide
- U.V. resistant Nylon66
- D = 5mm
- R = 10.8mm
- L = 23mm
- W = 16mm
- H = 9.6mm



20003 - Cradle Mount

- Ties up to 12.7mm wide
- U.V. resistant Nylon66
- D = 6.3mm
- H = 16mm
- L = 40mm
- R = 12mm
- W = 13.5mm



20001 - Swivel Lash Mount

Used to lash intersecting electrical, air, or hydraulic lines together for mutual support.

Used by many truck OEMs to secure lines between chassis rails where cross-members or other means of fastened supports are not available.

- Used to prevent chafing and wearing of lines
- Used to keep lines from contacting each other
- Supports lines that normally move
- Wide contact area avoids pinching and crushing
- Accepts ties up to 12.7mm wide
- U.V. resistant Nylon66
- H = 24mm
- L = 40mm
- W = 23mm