

## Clamps

### Snapper Hose Clamps

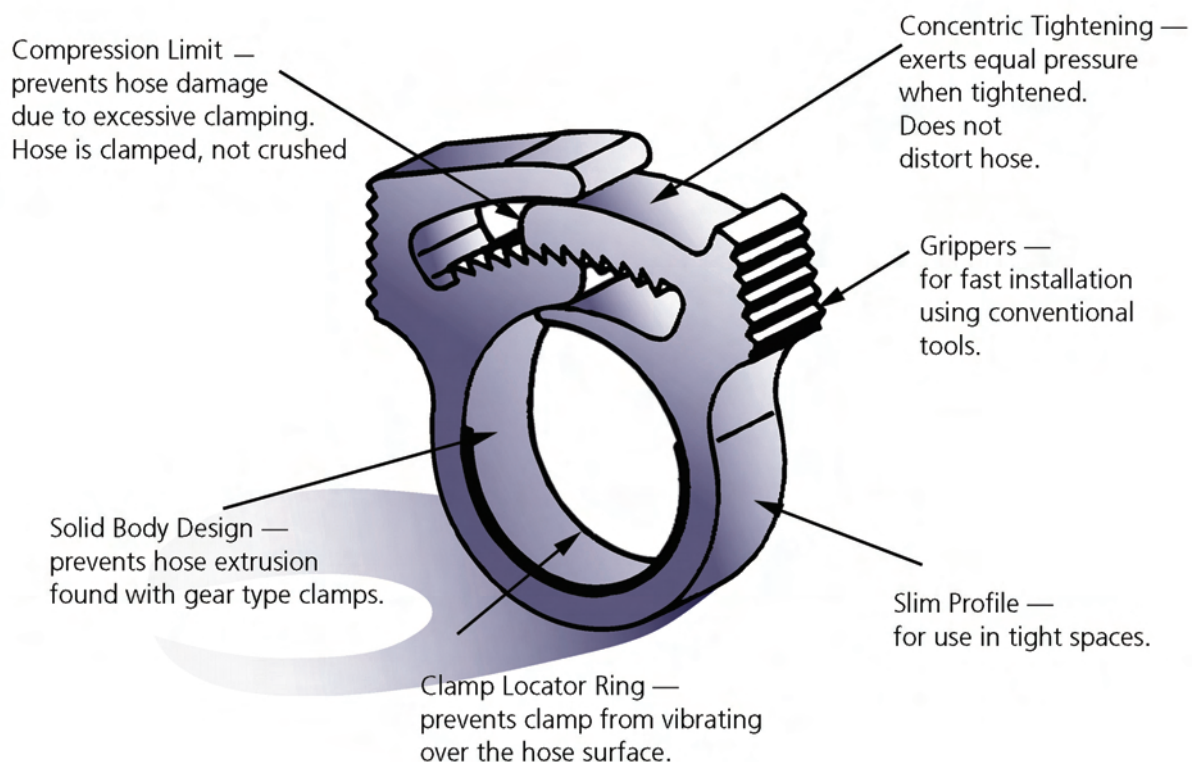
HellermannTyton's Snapper is a lightweight, corrosion resistant hose clamp manufactured from high performance, thermoplastic materials selected to work well in a variety of diverse environments. A quick, ratchet closure provides for reduced application time and allows for application after connection of the hose. Release is achieved by initiating opposed lateral movement of the ratchet ends. Heat stabilized materials are available for high temperature, motor and under-hood applications. Snappers are also stable in a wide variety of chemicals including salts, bases, alcohols, ethers, detergents, gasoline, lubricating oils, and greases.



The Snapper is available in 32 standard sizes ranging from 1/4" to 4-1/2" ID. Snappers are manufactured in white polyacetal and black polyamide 6.6 glass filled impact modified heat stabilized material. Custom designed and different colored or shaped Snappers are available based upon applications and volume requirements.

#### Snapper Clamp Features

- Will not rust or corrode
- Installation and removal can be five times faster than conventional clamps
- Completely reusable
- Safety engineered
- No protruding band or cluster
- Can be installed with hose in place
- Will not damage hose
- One hand installation for tight places



## Snapper Hose Clamp Applications



Snapper clamp selection will vary with hose thickness and fitting sizes. End use testing is recommended to determine the actual size needed for each application.

### Snapper Clamp Applications

Snapper hose clamps are used in a variety of markets and diverse applications.

- Automotive
- Air Lines
- Pumps
- Marine
- Drain Lines
- Sprayers
- Truck
- Water Lines
- Fuel Lines
- Heavy Equipment
- Sprinkler Systems
- Garden Hoses
- Many more hose and tubing applications

| Double Braid Utility Hoses |               | Clear Vinyl Tubing |             | Neoprene Hoses |             | Fuel Line Hoses |            |
|----------------------------|---------------|--------------------|-------------|----------------|-------------|-----------------|------------|
| Diameter                   | Product       | (I.D.) - (O.D.)    | Product     | Diameter       | Product     | Diameter        | Product    |
| 1/4"                       | Snapper 8     | 3/16" - 5/16"      | Snapper 1.5 | 1/8"           | Snapper 1.5 | 1/4"            | Snapper 6  |
| 3/8"                       | Snapper 12    | 1/4" - 3/8"        | Snapper 4   | 3/16"          | Snapper 2   | 5/8"            | Snapper 8  |
| 1/2"                       | Snapper 19    | 5/16" - 7/16"      | Snapper 6   | 9/32"          | Snapper 8   | 3/8"            | Snapper 12 |
| 5/8"                       | Snapper 22    | 3/8" - 1/2"        | Snapper 8   | 3/8"           | Snapper 12  |                 |            |
| 3/4"                       | Snapper 28    | 1/2" - 5/8"        | Snapper 12  | Garden Hoses   |             | Heater Hoses    |            |
| 1"                         | Snapper 33/34 | 5/8" - 7/8"        | Snapper 19  | 1/2"           | Snapper 14  | 1/2"            | Snapper 18 |
| 1-1/4"                     | Snapper 38    | 3/4" - 1"          | Snapper 24  | 5/8"           | Snapper 18  | 5/8"            | Snapper 19 |
| 1-1/2"                     | Snapper 50    | 1" - 1-1/4"        | Snapper 32  | 3/4"           | Snapper 32  | 3/8"            | Snapper 24 |

## Snapper Hose Clamp Tools

Snapper installation tools are available in both pneumatic and mechanical versions. They are specifically developed to increase reliability, reduce operator fatigue and installation time.

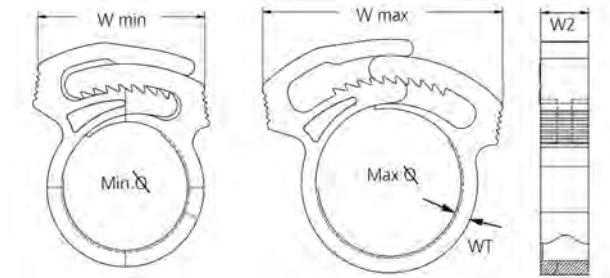


| Product Selection |                    |             | Tool Description |                      |            | Snapper Range |
|-------------------|--------------------|-------------|------------------|----------------------|------------|---------------|
| Article No.       | Part No.           | Type        | Type             | Use                  | Stroke     |               |
| 191-00010         | <b>PHSNP2-36</b>   | PHSNP2-36   | Pneumatic        | Production           | Horizontal | 2-36          |
| 191-00012         | <b>PHSNP38-100</b> | PHSNP38-100 |                  |                      | Vertical   | 38-100        |
| 191-00014         | <b>PSNP2-22</b>    | PSNP2-22    |                  |                      |            | 2-22          |
| 191-00019         | <b>PSNP24-70</b>   | PSNP24-70   |                  |                      |            | 24-70         |
| 191-02220         | <b>ASNP2-22</b>    | ASNP2-22    | Mechanical       | Production           | Vertical   | 2-22          |
| 191-24700         | <b>ASNP24-70</b>   | ASNP24-70   |                  |                      |            | 24-70         |
| 191-01700         | <b>MSNP1-70</b>    | MSNP1-70    |                  | Maintenance/ Removal | Vertical   | 1-70          |

Use **Part No.** for ordering and **Type** for specification purposes.

## Snapper Hose Clamps

### Polyamide 6.6 Glass Filled Impact Modified Heat Stabilized



## Material Data

|                       |                                                                               |
|-----------------------|-------------------------------------------------------------------------------|
| Material              | <b>Polyamide 6.6 glass filled impact modified heat stabilized (PA66GF13%)</b> |
| Operating Temperature | <b>-40 °F to +221 °F (-40 °C to +105 °C)</b>                                  |
| Color                 | <b>Black</b>                                                                  |
| Flammability          | <b>UL94 HB</b>                                                                |

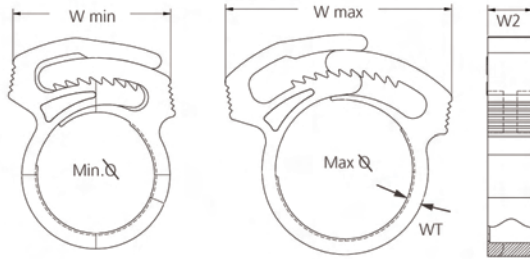


## Product Selection

| Article No. | Part No.             | Type    | Min. Ø           | Max. Ø           | Width (W2)     | Wall Thickness (WT) | Width (W) Min.  | Width (W) Max.  | Pkg. Qty. |
|-------------|----------------------|---------|------------------|------------------|----------------|---------------------|-----------------|-----------------|-----------|
|             |                      |         |                  |                  | in. (mm)       | in. (mm)            | in. (mm)        | in. (mm)        |           |
| 192-10010   | <b>SNP1GHS0C2</b>    | SNP1    | 0.233 " (5.928)  | 0.262 " (6.643)  | 0.149" (3.838) | 0.04 " (1.01)       | 0.323" (8.181)  | 0.456" (11.615) | 100       |
| 190-00019   | <b>SNP1GHS0M4</b>    |         | 0.233 " (5.928)  | 0.262 " (6.643)  | 0.149" (3.838) | 0.04 " (1.01)       | 0.323" (8.181)  | 0.456" (11.615) | 1000      |
| 190-00029   | <b>SNP1.25GHS0C2</b> | SNP1.25 | 0.275 " (6.95)   | 0.297 " (7.563)  | 0.15" (3.838)  | 0.042 " (1.111)     | 0.408" (10.403) | 0.491" (12.423) | 100       |
| 190-00030   | <b>SNP1.25GHS0M4</b> |         | 0.275 " (6.95)   | 0.297 " (7.563)  | 0.15" (3.838)  | 0.042 " (1.111)     | 0.408" (10.403) | 0.491" (12.423) | 1000      |
| 190-00251   | <b>SNP1.5GHS0C2</b>  | SNP1.5  | 0.314 " (7.972)  | 0.35 " (8.891)   | 0.147" (3.737) | 0.055 " (1.414)     | 0.414" (10.504) | 0.593" (15.049) | 100       |
| 190-00035   | <b>SNP1.5GHS0M4</b>  |         | 0.314 " (7.972)  | 0.35 " (8.891)   | 0.147" (3.737) | 0.055 " (1.414)     | 0.414" (10.504) | 0.593" (15.049) | 1000      |
| 192-10020   | <b>SNP2GHS0C2</b>    | SNP2    | 0.359 " (9.096)  | 0.403 " (10.22)  | 0.233" (5.959) | 0.068 " (1.717)     | 0.477" (12.12)  | 0.679" (17.271) | 100       |
| 190-00098   | <b>SNP2GHS0M4</b>    |         | 0.359 " (9.096)  | 0.403 " (10.22)  | 0.233" (5.959) | 0.068 " (1.717)     | 0.477" (12.12)  | 0.679" (17.271) | 1000      |
| 190-00132   | <b>SNP3GHS0C2</b>    | SNP3    | 0.396 " (10.016) | 0.45 " (11.446)  | 0.234" (5.959) | 0.07 " (1.818)      | 0.567" (14.342) | 0.805" (20.402) | 100       |
| 190-00134   | <b>SNP3GHS0M4</b>    |         | 0.396 " (10.016) | 0.45 " (11.446)  | 0.234" (5.959) | 0.07 " (1.818)      | 0.567" (14.342) | 0.805" (20.402) | 1000      |
| 192-10040   | <b>SNP4GH0C2</b>     | SNP4    | 0.413 " (10.527) | 0.462 " (11.753) | 0.235" (5.959) | 0.067 " (1.717)     | 0.529" (13.433) | 0.756" (19.19)  | 100       |
| 190-00167   | <b>SNP4GHS0M4</b>    |         | 0.413 " (10.527) | 0.462 " (11.753) | 0.235" (5.959) | 0.067 " (1.717)     | 0.529" (13.433) | 0.756" (19.19)  | 1000      |
| 192-10060   | <b>SNP6GHS0C2</b>    | SNP6    | 0.459 " (11.651) | 0.522 " (13.286) | 0.235" (5.959) | 0.07 " (1.818)      | 0.578" (14.645) | 0.846" (21.513) | 100       |
| 190-00186   | <b>SNP6GHS0M4</b>    |         | 0.459 " (11.651) | 0.522 " (13.286) | 0.235" (5.959) | 0.07 " (1.818)      | 0.578" (14.645) | 0.846" (21.513) | 1000      |
| 192-10070   | <b>SNP7GHS0C2</b>    | SNP7    | 0.463 " (11.753) | 0.558 " (14.206) | 0.235" (5.959) | 0.07 " (1.818)      | 0.653" (16.564) | 0.981" (24.947) | 100       |
| 190-00202   | <b>SNP7GHS0M4</b>    |         | 0.463 " (11.753) | 0.558 " (14.206) | 0.235" (5.959) | 0.07 " (1.818)      | 0.653" (16.564) | 0.981" (24.947) | 1000      |
| 192-10080   | <b>SNP8GHS0C2</b>    | SNP8    | 0.524 " (13.286) | 0.599 " (15.228) | 0.233" (5.959) | 0.07 " (1.818)      | 0.653" (16.564) | 0.981" (24.947) | 100       |
| 190-00222   | <b>SNP8GHS0M4</b>    |         | 0.524 " (13.286) | 0.599 " (15.228) | 0.233" (5.959) | 0.07 " (1.818)      | 0.653" (16.564) | 0.981" (24.947) | 1000      |
| 192-10100   | <b>SNP10GHS0C2</b>   | SNP10   | 0.582 " (14.819) | 0.664 " (16.863) | 0.235" (5.959) | 0.069 " (1.717)     | 0.682" (17.372) | 1.038" (26.361) | 100       |
| 190-00043   | <b>SNP10GHS0M4</b>   |         | 0.582 " (14.819) | 0.664 " (16.863) | 0.235" (5.959) | 0.069 " (1.717)     | 0.682" (17.372) | 1.038" (26.361) | 1000      |
| 190-00254   | <b>SNP12AGHS0C2</b>  | SNP12A  | .626 " (15.9)    | .716 " (18.2)    | .233" (5.92)   | .070 " (1.78)       | .816" (20.7)    | 1.172" (29.8)   | 100       |
| 190-00255   | <b>SNP12AGHS0M4</b>  |         | .626 " (15.9)    | .716 " (18.2)    | .233" (5.92)   | .070 " (1.78)       | .816" (20.7)    | 1.172" (29.8)   | 1000      |
| 190-00300   | <b>SNP14AGHS0C2</b>  | SNP14A  | 0.729 " (18.52)  | 0.827 " (21.01)  | 0.234" (5.94)  | 0.070 " (1.78)      | 0.823" (20.9)   | 1.185" (30.1)   | 100       |
| 190-00301   | <b>SNP14AGHS0M4</b>  |         | 0.729 " (18.52)  | 0.827 " (21.01)  | 0.234" (5.94)  | 0.070 " (1.78)      | 0.823" (20.9)   | 1.185" (30.1)   | 1000      |
| 192-10160   | <b>SNP16GHS0C2</b>   | SNP16   | 0.776 " (19.735) | 0.867 " (21.973) | 0.234" (5.959) | 0.068 " (1.717)     | 0.795" (20.2)   | 1.222" (31.209) | 100       |
| 190-00076   | <b>SNP16GHS0M4</b>   |         | 0.776 " (19.735) | 0.867 " (21.973) | 0.234" (5.959) | 0.068 " (1.717)     | 0.795" (20.2)   | 1.222" (31.209) | 1000      |
| 190-00258   | <b>SNP18AGHS0C2</b>  | SNP18A  | .802 " (20.4)    | .940 " (23.9)    | .240" (6.1)    | .070 " (1.78)       | .958" (24.3)    | 1.418" (36)     | 100       |
| 190-00259   | <b>SNP18AGHS0M4</b>  |         | .802 " (20.4)    | .940 " (23.9)    | .240" (6.1)    | .070 " (1.78)       | .958" (24.3)    | 1.418" (36)     | 1000      |

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes. Snapper performance varies on application and environmental factors; end use testing is highly recommended.

## Snapper Hose Clamps

Polyamide 6.6 Glass Filled Impact Modified Heat Stabilized (*continued*)

## Material Data

|                       |                                                                               |
|-----------------------|-------------------------------------------------------------------------------|
| Material              | <b>Polyamide 6.6 glass filled impact modified heat stabilized (PA66GF13%)</b> |
| Operating Temperature | <b>-40 °F to +221 °F (-40 °C to +105 °C)</b>                                  |
| Color                 | <b>Black</b>                                                                  |
| Flammability          | <b>UL94 HB</b>                                                                |



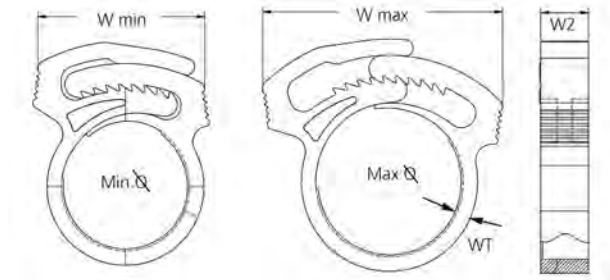
## Product Selection

| Article No. | Part No.            | Type   | Min. Ø           | Max. Ø           | Width (W2)      | Wall Thickness (WT) | Width (W) Min.  | Width (W) Max.   | Pkg. Qty. |
|-------------|---------------------|--------|------------------|------------------|-----------------|---------------------|-----------------|------------------|-----------|
|             |                     |        |                  |                  | in. (mm)        | in. (mm)            | in. (mm)        | in. (mm)         |           |
| 190-00090   | <b>SNP19GHS0C2</b>  | SNP19  | 0.878 " (22.28)  | 1.011 " (25.652) | 0.234" (5.959)  | 0.071 " (1.818)     | 0.908" (23.028) | 1.423" (36.158)  | 100       |
| 190-00093   | <b>SNP19GHS0M4</b>  |        | 0.878 " (22.28)  | 1.011 " (25.652) | 0.234" (5.959)  | 0.071 " (1.818)     | 0.908" (23.028) | 1.423" (36.158)  | 1000      |
| 192-10220   | <b>SNP22GHS0C2</b>  | SNP22  | 0.948 " (24.119) | 1.096 " (27.798) | 0.236" (5.959)  | 0.071 " (1.818)     | 0.941" (23.937) | 1.488" (37.774)  | 100       |
| 190-00111   | <b>SNP22GHS0M4</b>  |        | 0.948 " (24.119) | 1.096 " (27.798) | 0.236" (5.959)  | 0.071 " (1.818)     | 0.941" (23.937) | 1.488" (37.774)  | 1000      |
| 192-10240   | <b>SNP24GHS0C2</b>  | SNP24  | 1.007 " (25.55)  | 1.16 " (29.434)  | 0.295" (7.474)  | 0.07 " (1.818)      | 0.973" (24.745) | 1.538" (39.087)  | 100       |
| 190-00119   | <b>SNP24GHS0H4</b>  |        | 1.007 " (25.55)  | 1.16 " (29.434)  | 0.295" (7.474)  | 0.07 " (1.818)      | 0.973" (24.745) | 1.538" (39.087)  | 500       |
| 190-00127   | <b>SNP28GHS0C2</b>  | SNP28  | 1.148 " (29.127) | 1.325 " (33.624) | 0.291" (7.373)  | 0.069 " (1.717)     | 1.018" (25.856) | 1.647" (41.814)  | 100       |
| 190-00128   | <b>SNP28GHS0H4</b>  |        | 1.148 " (29.127) | 1.325 " (33.624) | 0.291" (7.373)  | 0.069 " (1.717)     | 1.018" (25.856) | 1.647" (41.814)  | 500       |
| 192-10320   | <b>SNP32GHS0K2</b>  | SNP32  | 1.245 " (31.58)  | 1.436 " (36.485) | 0.29" (7.373)   | 0.069 " (1.717)     | 1.075" (27.27)  | 1.741" (44.238)  | 50        |
| 190-00140   | <b>SNP32GHS0H4</b>  |        | 1.245 " (31.58)  | 1.436 " (36.485) | 0.29" (7.373)   | 0.069 " (1.717)     | 1.075" (27.27)  | 1.741" (44.238)  | 500       |
| 190-00244   | <b>SNP33GHS0K2</b>  | SNP33  | 1.311 " (33.317) | 1.63 " (41.391)  | 0.293" (7.474)  | 0.068 " (1.717)     | 1.58" (9.797)   | 2.542" (64.539)  | 50        |
| 190-00148   | <b>SNP33GHS0H4</b>  |        | 1.311 " (33.317) | 1.63 " (41.391)  | 0.293" (7.474)  | 0.068 " (1.717)     | 1.58" (9.797)   | 2.542" (64.539)  | 500       |
| 190-00149   | <b>SNP34GHS0K2</b>  | SNP34  | 1.367 " (34.748) | 1.6 " (40.676)   | 0.295" (7.474)  | 0.069 " (1.717)     | 1.198" (30.401) | 1.986" (50.399)  | 50        |
| 190-00150   | <b>SNP34GHS0H4</b>  |        | 1.367 " (34.748) | 1.6 " (40.676)   | 0.295" (7.474)  | 0.069 " (1.717)     | 1.198" (30.401) | 1.986" (50.399)  | 500       |
| 192-10360   | <b>SNP36GHS0K2</b>  | SNP36  | 1.504 " (38.223) | 1.762 " (44.764) | 0.29" (7.373)   | 0.068 " (1.717)     | 1.274" (32.32)  | 2.113" (53.631)  | 50        |
| 190-00158   | <b>SNP36GHS0H4</b>  |        | 1.504 " (38.223) | 1.762 " (44.764) | 0.29" (7.373)   | 0.068 " (1.717)     | 1.274" (32.32)  | 2.113" (53.631)  | 500       |
| 192-10380   | <b>SNP38GHS0K2</b>  | SNP38  | 1.629 " (41.391) | 1.903 " (48.341) | 0.294" (7.474)  | 0.069 " (1.717)     | 1.362" (34.643) | 2.261" (57.469)  | 50        |
| 190-00163   | <b>SNP38GHS0H4</b>  |        | 1.629 " (41.391) | 1.903 " (48.341) | 0.294" (7.474)  | 0.069 " (1.717)     | 1.362" (34.643) | 2.261" (57.469)  | 500       |
| 191-00005   | <b>SNP42NGHS0K2</b> | SNP42N | 1.768 " (44.866) | 2.054 " (52.224) | 0.358" (9.09)   | 0.069 " (1.717)     | 1.383" (35.148) | 2.325" (59.085)  | 50        |
| 191-00008   | <b>SNP42NGHS0C2</b> |        | 1.768 " (44.866) | 2.054 " (52.224) | 0.358" (9.09)   | 0.069 " (1.717)     | 1.383" (35.148) | 2.325" (59.085)  | 100       |
| 192-10500   | <b>SNP50GHS0C2</b>  | SNP50  | 2.042 " (51.92)  | 2.327 " (59.07)  | 0.294" (7.474)  | 0.068 " (1.717)     | 1.425" (36.158) | 2.364" (60.095)  | 100       |
| 190-00197   | <b>SNP60GHS0C2</b>  | SNP60  | 2.308 " (58.66)  | 2.639 " (67.04)  | 0.294" (7.474)  | 0.068 " (1.717)     | 1.463" (38.481) | 2.585" (65.65)   | 100       |
| 190-00209   | <b>SNP70GHS0C2</b>  | SNP70  | 2.562 " (65.10)  | 2.961 " (75.22)  | 0.374" (9.494)  | 0.078 " (2.02)      | 1.834" (46.561) | 3.02" (76.659)   | 100       |
| 190-00215   | <b>SNP76GHS0C2</b>  | SNP76  | 2.901 " (73.69)  | 3.276 " (83.19)  | 0.391" (9.898)  | 0.067 " (1.717)     | 1.704" (43.329) | 2.862" (72.72)   | 100       |
| 190-00229   | <b>SNP80GHS0C2</b>  | SNP80  | 3.224 " (81.86)  | 3.600 " (91.47)  | 0.453" (11.514) | 0.101 " (2.525)     | 1.913" (48.581) | 3.171" (80.598)  | 100       |
| 190-00249   | <b>SNP90GHS0C2</b>  | SNP90  | 3.583 " (91.06)  | 4.008 " (101.79) | 0.389" (9.898)  | 0.068 " (1.717)     | 1.936" (49.187) | 3.236" (82.214)  | 100       |
| 192-11000   | <b>SNP100GHS0X2</b> | SNP100 | 3.956 " (100.46) | 4.491 " (114.06) | 0.398" (10.1)   | 0.099 " (2.424)     | 2.068" (52.52)  | 3.543" (89.991)  | 25        |
| 190-00053   | <b>SNP101GHS0X2</b> | SNP101 | 4.121 " (104.65) | 4.718 " (119.88) | 0.446" (11.312) | 0.099 " (2.525)     | 2.426" (61.61)  | 4.261" (108.272) | 25        |

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Snapper performance varies on application and environmental factors; end use testing is highly recommended.

## Snapper Hose Clamps Polyacetal (POM)



| Material Data         |                                             |
|-----------------------|---------------------------------------------|
| Material              | <b>Polyacetal (POM)</b>                     |
| Operating Temperature | <b>-40 °F to +185 °F (-40 °C to +85 °C)</b> |
| Color                 | <b>White</b>                                |
| Flammability          | <b>UL94 HB</b>                              |



### Product Selection

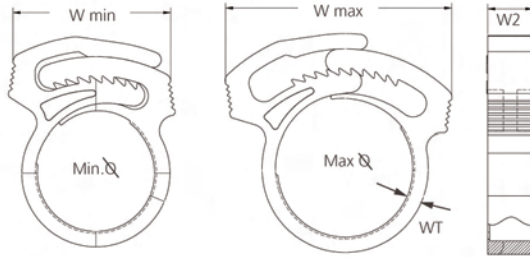
| Article No. | Part No.           | Type    | Min. Ø          | Max. Ø          | Width (W2)    | Wall Thickness (WT) | Width (W) Min. | Width (W) Max. | Pkg. Qty. |
|-------------|--------------------|---------|-----------------|-----------------|---------------|---------------------|----------------|----------------|-----------|
|             |                    |         |                 |                 | in. (mm)      | in. (mm)            | in. (mm)       | in. (mm)       |           |
| 190-00022   | <b>SNP110C2</b>    | SNP1    | 0.228 " (5.8)   | 0.256 " (6.5)   | 0.148" (3.8)  | 0.04 " (1)          | 0.32" (8.1)    | 0.451" (11.5)  | 100       |
| 190-00023   | <b>SNP110M4</b>    |         | 0.228 " (5.8)   | 0.256 " (6.5)   | 0.148" (3.8)  | 0.04 " (1)          | 0.32" (8.1)    | 0.451" (11.5)  | 1000      |
| 190-00027   | <b>SNP1.2510C2</b> | SNP1.25 | 0.269 " (6.8)   | 0.291 " (7.4)   | 0.149" (3.8)  | 0.042 " (1.1)       | 0.404" (10.3)  | 0.486" (12.3)  | 100       |
| 190-00028   | <b>SNP1.2510M4</b> |         | 0.269 " (6.8)   | 0.291 " (7.4)   | 0.149" (3.8)  | 0.042 " (1.1)       | 0.404" (10.3)  | 0.486" (12.3)  | 1000      |
| 190-00033   | <b>SNP1.510C2</b>  | SNP1.5  | 0.307 " (7.8)   | 0.342 " (8.7)   | 0.146" (3.7)  | 0.054 " (1.4)       | 0.41" (10.4)   | 0.587" (14.9)  | 100       |
| 190-00034   | <b>SNP1.510M4</b>  |         | 0.307 " (7.8)   | 0.342 " (8.7)   | 0.146" (3.7)  | 0.054 " (1.4)       | 0.41" (10.4)   | 0.587" (14.9)  | 1000      |
| 190-00101   | <b>SNP210C2</b>    | SNP2    | 0.351 " (8.9)   | 0.394 " (10)    | 0.231" (5.9)  | 0.067 " (1.7)       | 0.472" (12)    | 0.672" (17.1)  | 100       |
| 190-00102   | <b>SNP210M4</b>    |         | 0.351 " (8.9)   | 0.394 " (10)    | 0.231" (5.9)  | 0.067 " (1.7)       | 0.472" (12)    | 0.672" (17.1)  | 1000      |
| 190-00135   | <b>SNP310C2</b>    | SNP3    | 0.387 " (9.8)   | 0.44 " (11.2)   | 0.232" (5.9)  | 0.069 " (1.8)       | 0.561" (14.2)  | 0.797" (20.2)  | 100       |
| 190-00136   | <b>SNP310M4</b>    |         | 0.387 " (9.8)   | 0.44 " (11.2)   | 0.232" (5.9)  | 0.069 " (1.8)       | 0.561" (14.2)  | 0.797" (20.2)  | 1000      |
| 190-00165   | <b>SNP410C2</b>    | SNP4    | 0.404 " (10.3)  | 0.452 " (11.5)  | 0.233" (5.9)  | 0.066 " (1.7)       | 0.524" (13.3)  | 0.749" (19)    | 100       |
| 190-00170   | <b>SNP410M4</b>    |         | 0.404 " (10.3)  | 0.452 " (11.5)  | 0.233" (5.9)  | 0.066 " (1.7)       | 0.524" (13.3)  | 0.749" (19)    | 1000      |
| 190-00187   | <b>SNP610C2</b>    | SNP6    | 0.449 " (11.4)  | 0.511 " (13)    | 0.233" (5.9)  | 0.069 " (1.8)       | 0.572" (14.5)  | 0.838" (21.3)  | 100       |
| 190-00190   | <b>SNP610M4</b>    |         | 0.449 " (11.4)  | 0.511 " (13)    | 0.233" (5.9)  | 0.069 " (1.8)       | 0.572" (14.5)  | 0.838" (21.3)  | 1000      |
| 190-00204   | <b>SNP710C2</b>    | SNP7    | 0.453 " (11.5)  | 0.546 " (13.9)  | 0.233" (5.9)  | 0.069 " (1.8)       | 0.647" (16.4)  | 0.971" (24.7)  | 100       |
| 190-00206   | <b>SNP710M4</b>    |         | 0.453 " (11.5)  | 0.546 " (13.9)  | 0.233" (5.9)  | 0.069 " (1.8)       | 0.647" (16.4)  | 0.971" (24.7)  | 1000      |
| 190-00224   | <b>SNP810C2</b>    | SNP8    | 0.513 " (13)    | 0.586 " (14.9)  | 0.231" (5.9)  | 0.069 " (1.8)       | 0.647" (16.4)  | 0.971" (24.7)  | 100       |
| 190-00226   | <b>SNP810M4</b>    |         | 0.513 " (13)    | 0.586 " (14.9)  | 0.231" (5.9)  | 0.069 " (1.8)       | 0.647" (16.4)  | 0.971" (24.7)  | 1000      |
| 190-00045   | <b>SNP1010C2</b>   | SNP10   | 0.569 " (14.5)  | 0.65 " (16.5)   | 0.233" (5.9)  | 0.068 " (1.7)       | 0.675" (17.2)  | 1.028" (26.1)  | 100       |
| 190-00046   | <b>SNP1010M4</b>   |         | 0.569 " (14.5)  | 0.65 " (16.5)   | 0.233" (5.9)  | 0.068 " (1.7)       | 0.675" (17.2)  | 1.028" (26.1)  | 1000      |
| 190-00252   | <b>SNP12A10C2</b>  | SNP12A  | .615 " (15.62)  | .704 " (17.88)  | .233" (5.92)  | .070 " (1.78)       | .802" (20.37)  | 1.152" (29.26) | 100       |
| 190-00253   | <b>SNP12A10M4</b>  |         | .615 " (15.62)  | .704 " (17.88)  | .233" (5.92)  | .070 " (1.78)       | .802" (20.37)  | 1.152" (29.26) | 1000      |
| 190-00302   | <b>SNP14A10C2</b>  | SNP14A  | 0.714 " (18.4)  | 0.810 " (20.57) | 0.233" (5.92) | 0.069 " (1.75)      | 0.805" (20.45) | 1.157" (29.39) | 100       |
| 190-00303   | <b>SNP14A10M4</b>  |         | 0.714 " (18.4)  | 0.810 " (20.57) | 0.233" (5.92) | 0.069 " (1.75)      | 0.805" (20.45) | 1.157" (29.39) | 1000      |
| 190-00077   | <b>SNP1610C2</b>   | SNP16   | 0.759 " (19.31) | 0.848 " (21.5)  | 0.232" (5.9)  | 0.067 " (1.7)       | 0.787" (20)    | 1.21" (30.9)   | 100       |
| 190-00079   | <b>SNP1610M4</b>   |         | 0.759 " (19.31) | 0.848 " (21.5)  | 0.232" (5.9)  | 0.067 " (1.7)       | 0.787" (20)    | 1.21" (30.9)   | 1000      |
| 181-00256   | <b>SNP18A10C2</b>  | SNP18A  | .790 " (20)     | .933 " (23.7)   | .239" (6.07)  | .067 " (1.7)        | .940" (23.9)   | 1.391" (35.3)  | 100       |
| 190-00257   | <b>SNP18A10M4</b>  |         | .790 " (20)     | .933 " (23.7)   | .239" (6.07)  | .067 " (1.7)        | .940" (23.9)   | 1.391" (35.3)  | 1000      |

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Acetal black is also available based upon minimum volume requirements. Snapper performance varies on application and environmental factors; end use testing is highly recommended.



## Snapper Hose Clamps Polyacetal (POM) (continued)



| Material Data         |                                             |
|-----------------------|---------------------------------------------|
| Material              | <b>Polyacetal (POM)</b>                     |
| Operating Temperature | <b>-40 °F to +185 °F (-40 °C to +85 °C)</b> |
| Color                 | <b>White</b>                                |
| Flammability          | <b>UL94 HB</b>                              |



| Product Selection |                   |        |                 |                 | Width (W2)    | Wall Thickness (WT) | Width (W) Min. | Width (W) Max. | Pkg. Qty. |
|-------------------|-------------------|--------|-----------------|-----------------|---------------|---------------------|----------------|----------------|-----------|
| Article No.       | Part No.          | Type   | Min. Ø          | Max. Ø          | in. (mm)      | in. (mm)            | in. (mm)       | in. (mm)       |           |
| 190-00094         | <b>SNP1910C2</b>  | SNP19  | 0.859 " (21.8)  | 0.989 " (25.1)  | 0.232" (5.9)  | 0.07 " (1.8)        | 0.899" (22.8)  | 1.409" (35.8)  | 100       |
| 190-00095         | <b>SNP1910M4</b>  |        | 0.859 " (21.8)  | 0.989 " (25.1)  | 0.232" (5.9)  | 0.07 " (1.8)        | 0.899" (22.8)  | 1.409" (35.8)  | 1000      |
| 190-00113         | <b>SNP2210C2</b>  | SNP22  | 0.928 " (23.6)  | 1.072 " (27.2)  | 0.234" (5.9)  | 0.07 " (1.8)        | 0.932" (23.7)  | 1.473" (37.4)  | 100       |
| 190-00114         | <b>SNP2210M4</b>  |        | 0.928 " (23.6)  | 1.072 " (27.2)  | 0.234" (5.9)  | 0.07 " (1.8)        | 0.932" (23.7)  | 1.473" (37.4)  | 1000      |
| 190-00121         | <b>SNP2410C2</b>  | SNP24  | 0.985 " (25)    | 1.135 " (28.8)  | 0.292" (7.4)  | 0.069 " (1.8)       | 0.963" (24.5)  | 1.523" (38.7)  | 100       |
| 190-00122         | <b>SNP2410H4</b>  |        | 0.985 " (25)    | 1.135 " (28.8)  | 0.292" (7.4)  | 0.069 " (1.8)       | 0.963" (24.5)  | 1.523" (38.7)  | 500       |
| 190-00124         | <b>SNP2810C2</b>  | SNP28  | 1.123 " (28.5)  | 1.296 " (32.9)  | 0.288" (7.3)  | 0.068 " (1.7)       | 1.008" (25.6)  | 1.631" (41.4)  | 100       |
| 190-00125         | <b>SNP2810H4</b>  |        | 1.123 " (28.5)  | 1.296 " (32.9)  | 0.288" (7.3)  | 0.068 " (1.7)       | 1.008" (25.6)  | 1.631" (41.4)  | 500       |
| 190-00142         | <b>SNP3210K2</b>  | SNP32  | 1.218 " (30.9)  | 1.405 " (35.7)  | 0.287" (7.3)  | 0.068 " (1.7)       | 1.064" (27)    | 1.724" (43.8)  | 50        |
| 190-00143         | <b>SNP3210H4</b>  |        | 1.218 " (30.9)  | 1.405 " (35.7)  | 0.287" (7.3)  | 0.068 " (1.7)       | 1.064" (27)    | 1.724" (43.8)  | 500       |
| 190-00146         | <b>SNP3310K2</b>  | SNP33  | 1.283 " (32.6)  | 1.595 " (40.5)  | 0.29" (7.4)   | 0.067 " (1.7)       | 1.564" (9.7)   | 2.517" (63.9)  | 50        |
| 190-00147         | <b>SNP3310H4</b>  |        | 1.283 " (32.6)  | 1.595 " (40.5)  | 0.29" (7.4)   | 0.067 " (1.7)       | 1.564" (9.7)   | 2.517" (63.9)  | 500       |
| 190-00151         | <b>SNP3410K2</b>  | SNP34  | 1.338 " (34)    | 1.566 " (39.8)  | 0.292" (7.4)  | 0.068 " (1.7)       | 1.186" (30.1)  | 1.966" (49.9)  | 50        |
| 190-00152         | <b>SNP3410H4</b>  |        | 1.338 " (34)    | 1.566 " (39.8)  | 0.292" (7.4)  | 0.068 " (1.7)       | 1.186" (30.1)  | 1.966" (49.9)  | 500       |
| 190-00157         | <b>SNP3610K2</b>  | SNP36  | 1.472 " (37.4)  | 1.724 " (43.8)  | 0.287" (7.3)  | 0.067 " (1.7)       | 1.261" (32)    | 2.092" (53.1)  | 50        |
| 190-00156         | <b>SNP3610H4</b>  |        | 1.472 " (37.4)  | 1.724 " (43.8)  | 0.287" (7.3)  | 0.067 " (1.7)       | 1.261" (32)    | 2.092" (53.1)  | 500       |
| 190-00162         | <b>SNP3810K2</b>  | SNP38  | 1.594 " (40.5)  | 1.862 " (47.3)  | 0.291" (7.4)  | 0.068 " (1.7)       | 1.349" (34.3)  | 2.239" (56.9)  | 50        |
| 190-00245         | <b>SNP3810H4</b>  |        | 1.594 " (40.5)  | 1.862 " (47.3)  | 0.291" (7.4)  | 0.068 " (1.7)       | 1.349" (34.3)  | 2.239" (56.9)  | 500       |
| 190-00247         | <b>SNP42N10K2</b> | SNP42N | 1.73 " (43.9)   | 2.01 " (51.1)   | 0.354" (9)    | 0.068 " (1.7)       | 1.369" (34.8)  | 2.302" (58.5)  | 50        |
| 190-00246         | <b>SNP42N10C2</b> |        | 1.73 " (43.9)   | 2.01 " (51.1)   | 0.354" (9)    | 0.068 " (1.7)       | 1.369" (34.8)  | 2.302" (58.5)  | 100       |
| 190-00248         | <b>SNP5010C2</b>  | SNP50  | 1.999 " (50.8)  | 2.277 " (57.8)  | 0.291" (7.4)  | 0.067 " (1.7)       | 1.411" (35.8)  | 2.341" (59.5)  | 100       |
| 190-00196         | <b>SNP6010C2</b>  | SNP60  | 2.259 " (57.4)  | 2.582 " (65.6)  | 0.291" (7.4)  | 0.067 " (1.7)       | 1.449" (38.1)  | 2.559" (65)    | 100       |
| 190-00212         | <b>SNP7010C2</b>  | SNP70  | 2.507 " (63.7)  | 2.897 " (73.6)  | 0.37" (9.4)   | 0.077 " (2)         | 1.816" (46.1)  | 2.99" (75.9)   | 100       |
| 190-00217         | <b>SNP7610C2</b>  | SNP76  | 2.839 " (72.1)  | 3.206 " (81.4)  | 0.387" (9.8)  | 0.066 " (1.7)       | 1.687" (42.9)  | 2.834" (72)    | 100       |
| 190-00231         | <b>SNP8010C2</b>  | SNP80  | 3.155 " (80.1)  | 3.523 " (89.5)  | 0.449" (11.4) | 0.1 " (2.5)         | 1.894" (48.1)  | 3.14" (79.8)   | 100       |
| 190-00233         | <b>SNP9010C2</b>  | SNP90  | 3.506 " (89.1)  | 3.922 " (99.6)  | 0.385" (9.8)  | 0.067 " (1.7)       | 1.917" (48.7)  | 3.204" (81.4)  | 100       |
| 190-00052         | <b>SNP10010X2</b> | SNP100 | 3.871 " (98.3)  | 4.395 " (111.6) | 0.394" (10)   | 0.098 " (2.4)       | 2.048" (52)    | 3.508" (89.1)  | 25        |
| 190-00250         | <b>SNP10110X2</b> | SNP101 | 4.033 " (102.4) | 4.617 " (117.3) | 0.442" (11.2) | 0.098 " (2.5)       | 2.402" (61)    | 4.219" (107.2) | 25        |

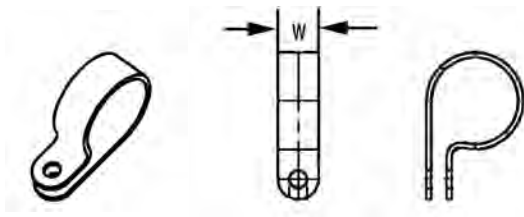
Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

## Clamps

## Clamps and Clips

## P Clamps

HellermannTyton's P clamps are designed for locating wires, cables, and components in instruments, appliances, and electrical apparatus. These injection molded clamps are used for both internal and external installations. The inside edges are radiused to prevent cutting into cable insulation.



## Material Data

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Material              | <b>Polyamide 6.6 heat stabilized (PA66HS)</b> |
| Color                 | <b>Black</b>                                  |
| Operating Temperature | <b>-40 °F to +221 °F (-40 °C to +105 °C)</b>  |
| Flammability          | <b>UL94 V2</b>                                |



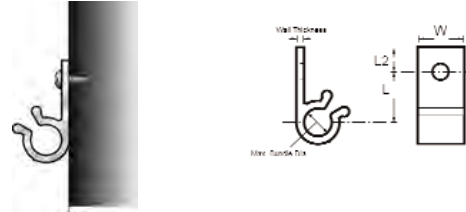
## Product Selection

| Article No. | Part No.         | Type | Max. Ø Bundle | Width (W)     | Mounting Hole Centers | Mounting Hole Ø | Radius        | Pkg. Qty. |
|-------------|------------------|------|---------------|---------------|-----------------------|-----------------|---------------|-----------|
|             |                  |      | in. (mm)      | in. (mm)      | in. (mm)              | in. (mm)        | in. (mm)      |           |
| 211-60000   | <b>211-60000</b> | H1P  | .125" (3.2)   | .393" (10.0)  | .3346" (8.5)          | .1654" (4.2)    | .01969" (0.5) | 100       |
| 211-60010   | <b>211-60010</b> | H1P  | .125" (3.2)   | .393" (10.0)  | .3346" (8.5)          | .1654" (4.2)    | .01969" (0.5) | 1000      |
| 211-60001   | <b>211-60001</b> | H2P  | .196" (5.0)   | .3937" (10.0) | .375" (9.5)           | .1654" (4.2)    | .03937" (1.0) | 100       |
| 211-60020   | <b>211-60020</b> | H2P  | .196" (5.0)   | .3937" (10.0) | .375" (9.5)           | .1654" (4.2)    | .03937" (1.0) | 1000      |
| 211-60002   | <b>211-60002</b> | H3P  | .255" (6.5)   | .3937" (10.0) | .3937" (10.0)         | .1654" (4.2)    | .03937" (1.0) | 100       |
| 211-60040   | <b>211-60040</b> | H3P  | .255" (6.5)   | .3937" (10.0) | .3937" (10.0)         | .1654" (4.2)    | .03937" (1.0) | 1000      |
| 211-60003   | <b>211-60003</b> | H4P  | .314" (8.0)   | .3937" (10.0) | .3937" (10.0)         | .1654" (4.2)    | .03937" (1.0) | 100       |
| 211-60050   | <b>211-60050</b> | H4P  | .314" (8.0)   | .3937" (10.0) | .3937" (10.0)         | .1654" (4.2)    | .03937" (1.0) | 1000      |
| 211-60005   | <b>211-60005</b> | H6P  | .433" (11.0)  | .3937" (10.0) | .5118" (13.0)         | .1654" (4.2)    | .03937" (1.0) | 100       |
| 211-60061   | <b>211-60061</b> | H6P  | .433" (11.0)  | .3937" (10.0) | .5118" (13.0)         | .1654" (4.2)    | .03937" (1.0) | 1000      |
| 211-60006   | <b>211-60006</b> | H7P  | .492" (12.5)  | .3937" (10.0) | .5512" (14.0)         | .1654" (4.2)    | .05906" (1.5) | 100       |
| 211-60078   | <b>211-60078</b> | H7P  | .492" (12.5)  | .3937" (10.0) | .5512" (14.0)         | .1654" (4.2)    | .05906" (1.5) | 1000      |
| 211-60007   | <b>211-60007</b> | H8P  | .55" (14.0)   | .3937" (10.0) | .5906" (15.0)         | .1654" (4.2)    | .05906" (1.5) | 100       |
| 211-60090   | <b>211-60090</b> | H8P  | .55" (14.0)   | .3937" (10.0) | .5906" (15.0)         | .1654" (4.2)    | .05906" (1.5) | 1000      |
| 211-60098   | <b>211-60098</b> | H9P  | .629" (16.0)  | .3937" (10.0) | .63" (16.0)           | .1654" (4.2)    | .05906" (1.5) | 1000      |
| 211-60110   | <b>211-60110</b> | H10P | .688" (17.5)  | .3937" (10.0) | .6693" (17.0)         | .1654" (4.2)    | .05906" (1.5) | 1000      |
| 211-60120   | <b>211-60120</b> | H11P | .748" (19.0)  | .3937" (10.0) | .7087" (18.0)         | .1654" (4.2)    | .07874" (2.0) | 1000      |
| 211-60130   | <b>211-60130</b> | H12P | .807" (20.5)  | .3937" (10.0) | .748" (19.0)          | .1654" (4.2)    | .07874" (2.0) | 1000      |
| 211-60140   | <b>211-60140</b> | H13P | .866" (22.0)  | .4724" (12.0) | .8071" (20.5)         | .2047" (5.2)    | .07874" (2.0) | 1000      |
| 211-60150   | <b>211-60150</b> | H14P | .944" (24.0)  | .4724" (12.0) | .8465" (21.5)         | .2047" (5.2)    | .07874" (2.0) | 1000      |
| 211-60160   | <b>211-60160</b> | H15P | 1.003" (25.5) | .4724" (12.0) | .9055" (23.0)         | .2047" (5.2)    | .09843" (2.5) | 1000      |

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

## Screw Mount Cable Clips

Available in three sizes, HellermannTyton screw mount clips offer quick, snap-in action. These clips allow for easy release for wiring changes or replacements, saving both time and money.



### Material Data

|                       |                                             |
|-----------------------|---------------------------------------------|
| Material              | <b>Polyacetal (POM)</b>                     |
| Color                 | <b>Black</b>                                |
| Operating Temperature | <b>-40 °F to +194 °F (-40 °C to +90 °C)</b> |
| Flammability          | <b>UL94 HB</b>                              |



### Product Selection

| Article No. | Part No.     | Type | Length (L)   | Length (L2) | Width (W)   | Max. Ø Bundle | Mounting Hole Ø | Wall Thickness | Pkg. Qty. |
|-------------|--------------|------|--------------|-------------|-------------|---------------|-----------------|----------------|-----------|
|             |              |      | in. (mm)     | in. (mm)    | in. (mm)    | in. (mm)      | in. (mm)        | in. (mm)       |           |
| 211-70200   | <b>D10H4</b> | 8D10 | .67" (17.0)  | .31" (8.0)  | .60" (15.0) | .40" (10.0)   | .31" (8.0)      | .08" (2.0)     | 500       |
| 211-70203   | <b>D15L4</b> | 8D15 | 1" (25.0)    | .40" (10.0) | .60" (15.0) | .60" (15.0)   | .31" (8.0)      | .08" (2.0)     | 200       |
| 211-70204   | <b>D20L4</b> | 8D20 | 1.10" (28.0) | .40" (10.0) | .60" (15.0) | .78" (20.0)   | .31" (8.0)      | .10" (2.5)     | 200       |

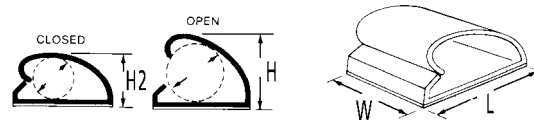
Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

## WAC Adhesive

WAC Adhesive clamps offer a fast, convenient, low cost method of routing wires and cables. The easy to install adhesive system eliminates the time and expense of drilling holes. Ideal for economical wire and cable retention applications. Extruded from PVC. For 0.5" to 1" bundles.

### Material Data

|                       |                                             |
|-----------------------|---------------------------------------------|
| Material              | <b>PVC (Polyvinylchloride)</b>              |
| Color                 | <b>Gray</b>                                 |
| Operating Temperature | <b>-20 °F to +150 °F (-28 °C to +65 °C)</b> |
| Flammability          | <b>UL94 V0 (excluding adhesive)</b>         |



### Product Selection

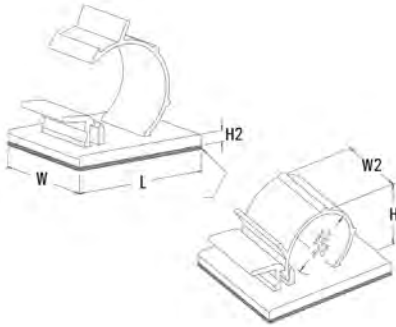
| Article No. | Part No.         | Type   | Min. Ø Bundle | Max. Ø Bundle | Length (L)   | Width (W)     | Height (H)    | Height (H2)  | Pkg. Qty. |
|-------------|------------------|--------|---------------|---------------|--------------|---------------|---------------|--------------|-----------|
|             |                  |        | in. (mm)      | in. (mm)      | in. (mm)     | in. (mm)      | in. (mm)      | in. (mm)     |           |
| 151-00667   | <b>151-00667</b> | WACO75 | 0.5" (12.7)   | 0.75" (19.1)  | 1.13" (28.7) | 1" (25.4)     | 0.62" (15.75) | 1.05" (26.7) | 500       |
| 151-00668   | <b>151-00668</b> | WAC100 | 0.75" (19.1)  | 1.0" (25.4)   | 1.5" (38.1)  | 1.25" (31.75) | 0.85" (21.59) | 1.39" (34.3) | 500       |

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.



## Series 12 Cable Clips

HellermannTyton's Series 12 cable clamps feature an exclusive quick lock/release for simplified wire installations. The easy to install adhesive system allows for faster assembly. Series 12 clamps can be used for various electrical, electronic and electromechanical applications. For bundles up to 3/4".



### Material Data

|                       |                                             |
|-----------------------|---------------------------------------------|
| Material              | <b>Polyamide 6.6 (PA66)</b>                 |
| Color                 | <b>Gray</b>                                 |
| Operating Temperature | <b>-40 °F to +150 °F (-40 °C to +65 °C)</b> |
| Flammability          | <b>UL94 V2 (excluding adhesive)</b>         |



### Product Selection

| Article No. | Part No.         | Type    | Max. Ø Bundle | Length (L) | Width (W) | Width (W2) | Height (H) | Height (H2) | Pkg. Qty. |
|-------------|------------------|---------|---------------|------------|-----------|------------|------------|-------------|-----------|
|             |                  |         |               | in. (mm)   | in. (mm)  | in. (mm)   | in. (mm)   | in. (mm)    |           |
| 151-00274   | <b>12-0188C2</b> | 12-0188 | .188"         | .62"       | .74"      | .39"       | .335"      | .08"        | 100       |
| 151-00275   | <b>12-0188M4</b> | 12-0188 | (4.78)        | (15.75)    | (18.8)    | (9.91)     | (8.51)     | (18.67)     | 1000      |
| 151-00268   | <b>12-0250C2</b> | 12-0250 | .25"          | .87"       | 1"        | .63"       | .42"       | .100"       | 100       |
| 151-00269   | <b>12-0250M4</b> | 12-0250 | (6.35)        | (22.1)     | (25.4)    | (16)       | (10.67)    | (2.54)      | 1000      |
| 151-00270   | <b>12-0375C2</b> | 12-0375 | .375"         | 1"         | 1"        | .63"       | .5"        | .11"        | 100       |
| 151-00271   | <b>12-0375M4</b> | 12-0375 | (9.53)        | (25.4)     | (25.4)    | (16)       | (12.7)     | (2.8)       | 1000      |
| 151-00272   | <b>12-500C2</b>  | 12-0500 | .5"           | 1.21"      | 1"        | .64"       | .68"       | .11"        | 100       |
| 151-00273   | <b>12-500M4</b>  | 12-0500 | (12.70)       | (30.7)     | (25.4)    | (16.26)    | (17.27)    | (2.79)      | 1000      |
| 151-00276   | <b>12-0750C2</b> | 12-0750 | .75"          | 1.45"      | 1.15"     | .64"       | .99"       | .125"       | 100       |
| 151-00277   | <b>12-0750M4</b> | 12-0750 | (19.10)       | (36.83)    | (29.21)   | (16.26)    | (25.15)    | (3.18)      | 500       |

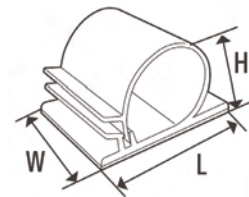
Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

## Series 22 Clamps

Series 22 round clamps are an attractive, low cost alternative recommended where the exceptionally high performance series 12 clamps are not needed. Series 22 wire clamps are constructed of precision extruded PVC and easy to install adhesive system. They provide the same basic advantages as the series 12 clamps. For bundles up to 3/4".

### Material Data

|                       |                                             |
|-----------------------|---------------------------------------------|
| Material              | <b>PVC (Polyvinylchloride)</b>              |
| Color                 | <b>Black</b>                                |
| Operating Temperature | <b>-20 °F to +150 °F (-28 °C to +65 °C)</b> |
| Flammability          | <b>UL94 V0 (excluding adhesive)</b>         |



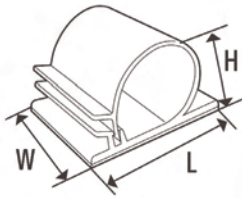
### Product Selection

| Article No. | Part No.         | Type    | Max. Ø Bundle | Length (L)    | Width (W)     | Height (H)    | Pkg. Qty. |
|-------------|------------------|---------|---------------|---------------|---------------|---------------|-----------|
|             |                  |         | in. (mm)      | in. (mm)      | in. (mm)      | in. (mm)      |           |
| 151-00250   | <b>22-0188M4</b> | 22-0188 | .188" (4.76)  | .750" (19.05) | 1" (25.4)     | .337" (8.56)  | 1000      |
| 151-00251   | <b>22-0250M4</b> | 22-0250 | .250" (6.35)  | 1.02" (25.91) | 1" (25.4)     | .420" (10.67) | 1000      |
| 151-00252   | <b>22-0375M4</b> | 22-0375 | .375" (9.53)  | 1" (25.4)     | 1" (25.4)     | .551" (14)    | 1000      |
| 151-00253   | <b>22-0500M4</b> | 22-0500 | .500" (12.7)  | 1.25" (31.75) | 1" (25.4)     | .701" (17.81) | 1000      |
| 151-00254   | <b>22-0625H4</b> | 22-0625 | .625" (15.87) | 1.25" (31.75) | 1.25" (31.75) | .801" (20.35) | 500       |
| 151-00255   | <b>22-0750C2</b> | 22-0750 | .750" (19.05) | 1.5" (38.1)   | 1.5" (38.1)   | .966" (24.54) | 100       |

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

## Series 32 Clamps

The series 32 clamps have a narrower width than the series 22 clamps, making them compact and ideal for installations in cramped quarters. Series 32 wire clamps are constructed of precision extruded PVC and easy to install adhesive system. They provide the same basic advantages as the series 12 clamps. For bundles up to 3/4".



### Material Data

|                       |                                             |
|-----------------------|---------------------------------------------|
| Material              | <b>PVC (Polyvinylchloride)</b>              |
| Color                 | <b>Black</b>                                |
| Operating Temperature | <b>-20 °F to +150 °F (-28 °C to +65 °C)</b> |
| Flammability          | <b>UL94 V0 (excluding adhesive)</b>         |



### Product Selection

| Article No. | Part No.         | Type    | Max. Ø Bundle | Length (L)    | Width (W)     | Height (H)    | Pkg. Qty. |
|-------------|------------------|---------|---------------|---------------|---------------|---------------|-----------|
|             |                  |         | in. (mm)      | in. (mm)      | in. (mm)      | in. (mm)      |           |
| 151-00256   | <b>32-0188M4</b> | 32-0188 | .188" (4.76)  | .750" (19.05) | .500" (12.7)  | .337" (8.56)  | 1000      |
| 151-00257   | <b>32-0250M4</b> | 32-0250 | .250" (6.35)  | 1.02" (25.91) | .500" (12.7)  | .420" (10.67) | 1000      |
| 151-00258   | <b>32-0375M4</b> | 32-0375 | .375" (9.53)  | 1" (25.4)     | .500" (12.7)  | .551" (14)    | 1000      |
| 151-00259   | <b>32-0500M4</b> | 32-0500 | .500" (12.7)  | 1.25" (31.75) | .500" (12.7)  | .701" (17.81) | 1000      |
| 151-00260   | <b>32-0625H4</b> | 32-0625 | .625" (15.87) | 1.25" (31.75) | .625" (15.87) | .801" (20.35) | 500       |
| 151-00261   | <b>32-0750C2</b> | 32-0750 | .750" (19.05) | 1.5" (38.1)   | .750" (19.05) | .966" (24.54) | 100       |

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

## RB Clips

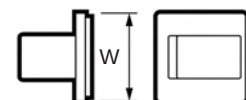
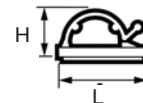
RB self-adhesive clips are ideal for cable and pipe bundles. Bundles are easily snapped into or out of clips. The RB clips suit diameters of 1/8", 5/16", and 1/2".



Adhesive clips come in pairs connected together on adhesive liner.

### Material Data

|                       |                                             |
|-----------------------|---------------------------------------------|
| Material              | <b>Polyamide 6.6 (PA66)</b>                 |
| Color                 | <b>Natural</b>                              |
| Operating Temperature | <b>-40 °F to +185 °F (-40 °C to +85 °C)</b> |
| Flammability          | <b>UL94 V2 (excluding adhesive)</b>         |



### Product Selection

| Article No. | Part No.      | Type | Max. Ø Bundle | Length (L)    | Width (W)     | Height (H)  | Pkg. Qty. |
|-------------|---------------|------|---------------|---------------|---------------|-------------|-----------|
|             |               |      | in. (mm)      | in. (mm)      | in. (mm)      | in. (mm)    |           |
| 151-14005   | <b>RB5H4</b>  | RB5  | .1969" (5.0)  | .75" (19.0)   | .75" (19.0)   | .24" (6.0)  | 500       |
| 151-13608   | <b>RB8L4</b>  | RB8  | .315" (8.0)   | 1" (25.0)     | 1" (25.0)     | .45" (11.5) | 200       |
| 151-00506   | <b>RB14L4</b> | RB14 | .5512" (14.0) | 1.307" (33.2) | 1.079" (27.4) | .63" (16.0) | 200       |

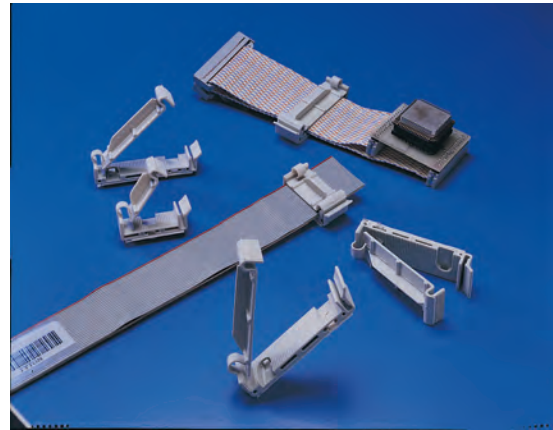
Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

## Dual Adjustable Flat Ribbon Cable Clamps

Designed to route, protect and secure flat ribbon cables in computers, electronics, panels and components, this unique adjustable clamp will not damage sensitive wire and cable. The clamp will adjust and close to the exact height of the ribbon cable, using only as much force as needed to secure the cable. The clamp is releasable on demand and adjustable on both sides. The low profile design allows for use in confined areas where space is a premium.

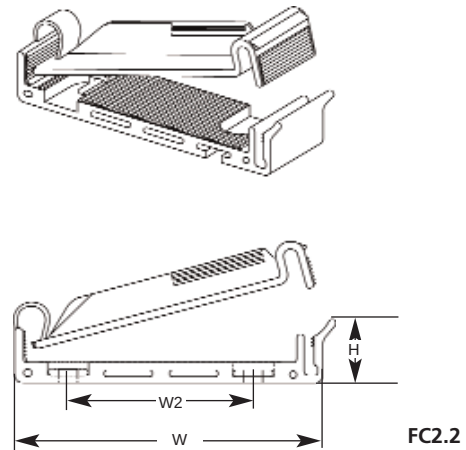
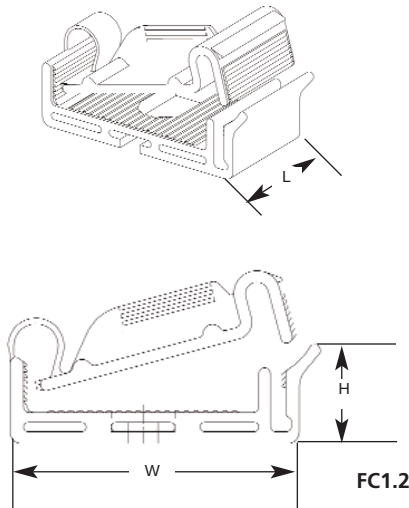
The clamp is adjustable so that single or stacked cable can be routed. The "snap clamp" design of this flat ribbon clamp makes it an excellent choice for specification and installation.

Both adhesive backed and non-adhesive screw mount versions are available.



### Material Data

|                       |                                             |
|-----------------------|---------------------------------------------|
| Material              | <b>Polyamide 6.6 (PA66)</b>                 |
| Color                 | <b>Telecom Gray</b>                         |
| Operating Temperature | <b>-40 °F to +185 °F (-40 °C to +85 °C)</b> |
| Flammability          | <b>UL94 V2 (excluding adhesive)</b>         |



### Product Selection

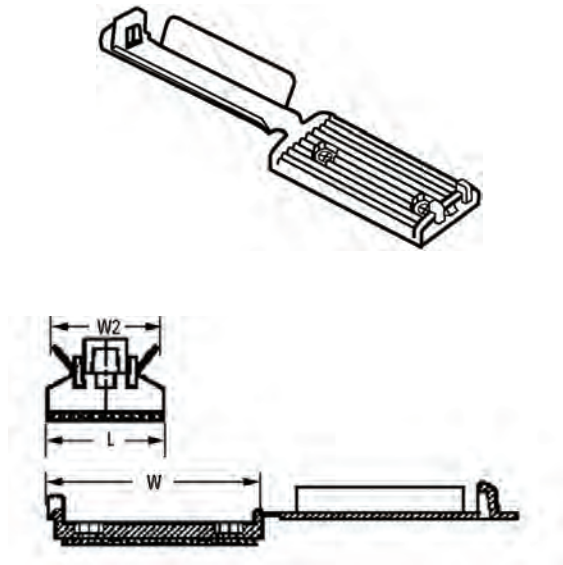
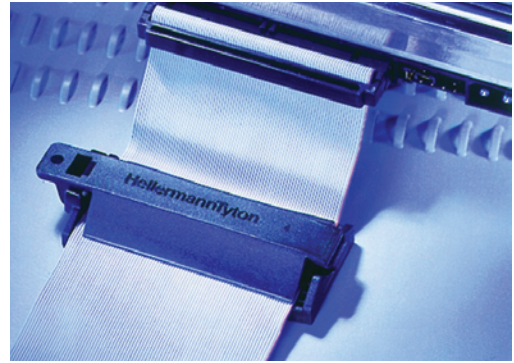
| Product Selection |          |        |            |             |             |              |                 |          |                 |           |  |  |
|-------------------|----------|--------|------------|-------------|-------------|--------------|-----------------|----------|-----------------|-----------|--|--|
| Article No.       | Part No. | Type   | Length (L) | Width (W)   | Width (W2)  | Height (H)   | Mounting Hole Ø |          | Max Cable Width | Pkg. Qty. |  |  |
|                   |          |        | in. (mm)   | in. (mm)    | in. (mm)    | in. (mm)     | in. (mm)        | in. (mm) | in. (mm)        |           |  |  |
| Adhesive          |          |        |            |             |             |              |                 |          |                 |           |  |  |
| 154-00013         | FC1.2AK2 | FC1.2A | .75" (19)  | 1.5" (38.1) | n/a n/a     | .51" (13.1)  | n/a             | n/a      | 1.2 " (30.48)   | 50        |  |  |
| 154-00012         | FC1.2AH4 | FC1.2A | .75" (19)  | 1.5" (38.1) | n/a n/a     | .51" (12.9)  | n/a             | n/a      | 1.2 " (30.48)   | 500       |  |  |
| 154-00017         | FC2.2AK2 | FC2.2A | .75" (19)  | 2.5" (63.5) | n/a n/a     | .51" (12.75) | n/a             | n/a      | 2.0 " (50.8)    | 50        |  |  |
| 154-00016         | FC2.2AH4 | FC2.2A | .75" (19)  | 2.5" (63.5) | n/a n/a     | .51" (12.75) | n/a             | n/a      | 2.0 " (50.8)    | 500       |  |  |
| Non-Adhesive      |          |        |            |             |             |              |                 |          |                 |           |  |  |
| 154-00011         | FC1.2K2  | FC1.2  | .75" (19)  | 1.5" (38.1) | n/a n/a     | .51" (12.9)  | 138"            | (6.0)    | 1.2 " (30.48)   | 50        |  |  |
| 154-00010         | FC1.2H4  | FC1.2  | .75" (19)  | 1.5" (38.1) | n/a n/a     | .51" (12.9)  | 138"            | (6.0)    | 1.2 " (30.48)   | 500       |  |  |
| 154-00015         | FC2.2K2  | FC2.2  | .75" (19)  | 2.5" (63.5) | 1.5" (38.1) | .51" (12.95) | 138"            | (6.0)    | 2.0 " (50.8)    | 50        |  |  |
| 154-00014         | FC2.2H4  | FC2.2  | .75" (19)  | 2.5" (63.5) | 1.5" (38.1) | .51" (12.95) | 138"            | (6.0)    | 2.0 " (50.8)    | 500       |  |  |

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

## Flat Ribbon Cable Clamps

HellermannTyton's flat ribbon cable clamps secure and route flat cable, ideal for automotive and household appliance applications. Available in adhesive backed and non-adhesive screw mount versions.

- Performs well in very dry, air-conditioned areas
- The rounded edges and soft wings protect and hold the cable securely
- Clamps are offered in four sizes that are easy to fasten and unfasten



### Material Data

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Material              | <b>Polyamide 6.6 high impact modified (PA66HIR)</b> |
| Color                 | <b>Black</b>                                        |
| Operating Temperature | <b>-40 °F to +230 °F (-40 °C to +110 °C)</b>        |
| Flammability          | <b>UL94 HB (only clamp without adhesive)</b>        |



### Product Selection

| Product Selection |           |        |              |             |             |                 |       |           |
|-------------------|-----------|--------|--------------|-------------|-------------|-----------------|-------|-----------|
| Article No.       | Part No.  | Type   | Length (L)   | Width (W)   | Width (W2)  | Mounting Hole Ø |       | Pkg. Qty. |
|                   |           |        | in. (mm)     | in. (mm)    | in. (mm)    | in. (mm)        |       |           |
| Adhesive          |           |        |              |             |             |                 |       |           |
| 151-15250         | 151-15250 | FKH25A | 1.22" (31.0) | .98" (25.0) | .86" (22.0) | n/a             | n/a   | 100       |
| 151-15300         | 151-15300 | FKH30A | 1.37" (35.0) | .98" (25.0) | .86" (22.0) | n/a             | n/a   | 100       |
| 151-15500         | 151-15500 | FKH50A | 2.22" (56.6) | .98" (25.0) | .86" (22.0) | n/a             | n/a   | 100       |
| 151-15800         | 151-15800 | FKH80A | 3.38" (86.0) | .98" (25.0) | .86" (22.0) | n/a             | n/a   | 100       |
| Non-Adhesive      |           |        |              |             |             |                 |       |           |
| 151-16250         | 151-16250 | FKH25  | 1.22" (31.0) | .98" (25.0) | .86" (22.0) | .122"           | (3.1) | 100       |
| 151-16300         | 151-16300 | FKH30  | 1.37" (35.0) | .98" (25.0) | .86" (22.0) | .122"           | (3.1) | 100       |
| 151-16500         | 151-16500 | FKH50  | 2.22" (56.6) | .98" (25.0) | .86" (22.0) | .122"           | (3.1) | 100       |
| 151-16800         | 151-16800 | FKH80  | 3.38" (86.0) | .98" (25.0) | .86" (22.0) | .122"           | (3.1) | 100       |

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.