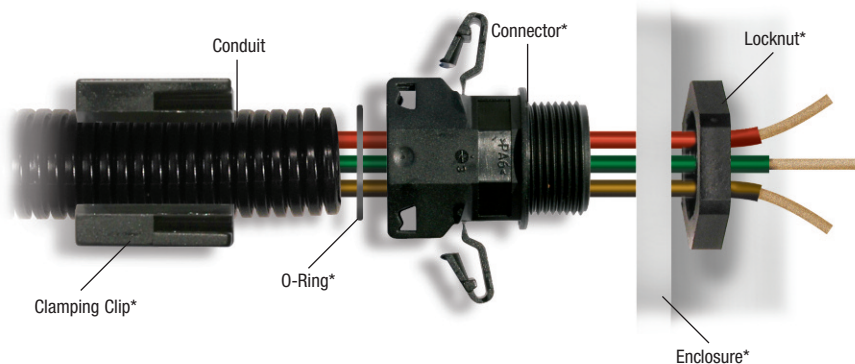




PROTECTION  
**IP65** / **IP68**  
RATING  
without sealing      with O-Ring

**Material:**

- Polyamide 6
- Upper temperature range:
- Short-term: 150°C, (302°F)

**Characteristics:**

- Parallel corrugated
- Gray available

**Technical properties:**

- Flame retardant according to FMVSS302 and UL94
- Halogen free
- Durable
- UV resistant according to DIN EN ISO 8580

**Applications:**

Engine compartment, car body and interior, machines, instruments, devices, ship and train building, switch cabinet and movable machine parts.

**Temperature Range PA 6**  
-40 to 120°C (-40 to 248°F)



E81472



Other materials and styles available, please consult Altech.

| NW  | Ø-I<br>mm | Ø-O<br>mm | Bending<br>Radius<br>mm | Cat. No.<br>Black | Std.<br>Pk.<br>Meters |
|-----|-----------|-----------|-------------------------|-------------------|-----------------------|
| 7.5 | 6.7       | 10.0      | 13                      | 1200070           | 50                    |
| 8.5 | 8.4       | 11.7      | 15                      | 1200089           | 50                    |
| 10  | 9.9       | 13.0      | 20                      | 1200100           | 50                    |
| 12  | 12.2      | 15.7      | 30                      | 1200127           | 50                    |
| 13  | 12.7      | 15.8      | 35                      | 1200135           | 50                    |
| 14  | 14.2      | 18.5      | 40                      | 1200143           | 50                    |
| 16  | 15.0      | 18.9      | 45                      | 1200160           | 50                    |
| 17  | 16.6      | 21.2      | 45                      | 1200178           | 50                    |
| 19  | 19.3      | 24.3      | 50                      | 1200194           | 50                    |
| 22  | 21.3      | 25.4      | 50                      | 1200224           | 50                    |
| 23  | 23.2      | 28.3      | 55                      | 1200232           | 50                    |
| 26  | 25.8      | 31.2      | 60                      | 1200267           | 25                    |
| 29  | 29.0      | 34.5      | 65                      | 1200291           | 25                    |
| 37  | 36.0      | 42.4      | 90                      | 1200372           | 25                    |
| 50  | 47.7      | 54.0      | 100                     | 1200500           | 25                    |



Fitting conduit glands and accessories: see pages 37-39.

\* Locknuts sold separately, seep page 23.

**Material:**

- Polyamide 66

**Technical properties:**

- Easy and tight single hand mounting
- Insert tube in the "closed" gland
- Special click-in system
- Conical sealing on the corrugated tube
- Gray available

- Thread side sealed by integral sealing ridges
- Conduit can be rotated within the mounting gland
- Halogen free

**Applications:**

- All fields using conduit

**Mounting instructions:**

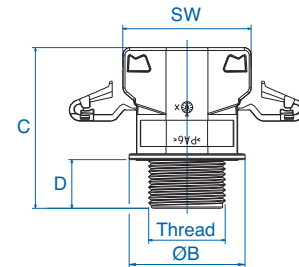
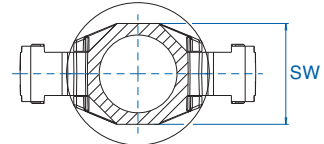
Insert the conduit with a short twist all the way into the end of the SEM conduit gland. Pull the tube back slightly to latch it securely.

PROTECTION  
**IP65 / IP68**  
RATING \*



**Temperature Range PA 6**  
-40 to 120°C (-40 to 248°F)

| Thread        | Fits for<br>NW | D<br>mm | SW<br>mm | A<br>mm | B<br>mm | C<br>mm | Cat. No.<br>Black | Std.<br>Pk. |
|---------------|----------------|---------|----------|---------|---------|---------|-------------------|-------------|
| <b>PG</b>     |                |         |          |         |         |         |                   |             |
| PG 7          | 7.5            | 11.0    | 14.0     | 19.0    | 18.0    | 34.0    | <b>3805028</b>    | 50          |
| PG 7          | 8.5            | 11.0    | 16.0     | 20.6    | 20.0    | 35.0    | <b>3805012</b>    | 50          |
| PG 9          | 10             | 12.0    | 17.0     | 21.6    | 22.0    | 36.0    | <b>3805004</b>    | 50          |
| PG 11         | 12 + 13        | 12.0    | 20.0     | 25.5    | 25.0    | 38.0    | <b>3805009</b>    | 50          |
| PG 16         | 17             | 13.0    | 27.0     | 34.5    | 31.0    | 43.0    | <b>3805006</b>    | 50          |
| PG 21         | 22             | 13.0    | 32.0     | 40.5    | 36.0    | 48.0    | <b>3805023</b>    | 25          |
| PG 21         | 23             | 13.0    | 34.0     | 42.5    | 38.0    | 48.0    | <b>3805014</b>    | 25          |
| PG 29         | 29             | 15.0    | 41.0     | 49.5    | 46.0    | 52.0    | <b>3805016</b>    | 20          |
| PG 36         | 37             | 17.0    | 50.0     | 59.0    | 55.0    | 62.0    | <b>3805018</b>    | 10          |
| PG 48         | 50             | 19.0    | 64.0     | 72.0    | 72.0    | 68.0    | <b>3805021</b>    | 5           |
| <b>Metric</b> |                |         |          |         |         |         |                   |             |
| M 12 x 1.5    | 7.5            | 11.0    | 14.0     | 19.0    | 18.0    | 34.0    | <b>3805047</b>    | 50          |
| M 12 x 1.5    | 8.5            | 11.0    | 16.0     | 20.6    | 20.0    | 35.0    | <b>3805011</b>    | 50          |
| M 16 x 1.5    | 10             | 12.0    | 17.0     | 21.6    | 22.0    | 36.0    | <b>3805001</b>    | 50          |
| M 20 x 1.5    | 12 + 13        | 12.0    | 20.0     | 25.5    | 25.0    | 38.0    | <b>3805008</b>    | 50          |
| M 20 x 1.5    | 17             | 13.0    | 27.0     | 34.5    | 31.0    | 43.0    | <b>3805002</b>    | 50          |
| M 25 x 1.5    | 22             | 13.0    | 32.0     | 40.5    | 36.0    | 48.0    | <b>3805022</b>    | 25          |
| M 25 x 1.5    | 23             | 13.0    | 34.0     | 42.5    | 38.0    | 48.0    | <b>3805013</b>    | 25          |
| M 32 x 1.5    | 29             | 15.0    | 41.0     | 49.5    | 46.0    | 52.0    | <b>3805015</b>    | 20          |
| M 40 x 1.5    | 37             | 17.0    | 50.0     | 59.0    | 55.0    | 62.0    | <b>3805017</b>    | 10          |
| M 63 x 1.5    | 50             | 19.0    | 64.0     | 72.0    | 72.0    | 68.0    | <b>3805020</b>    | 5           |



\*With O-ring, see page 39. Locknuts sold separately, see page 23.

# Conduit Gland SEM-FAST angled 90° / Quick-Mounting System for Polyflex PA 6 Conduit

## Material:

- Polyamide 66
- Technical properties:
- Easy and tight single hand mounting
- Insert tube in "closed" gland
- Special click-in system
- Conical sealing on the corrugated tube
- Thread side sealed by integral sealing ridges
- Gray available
- Conduit can be rotated within the mounting gland
- Halogen free

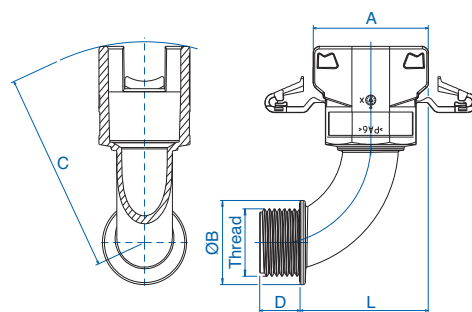
## Applications:

All fields using conduit  
 Mounting instructions:  
 Insert the conduit with a short twist all the way into the end of the SEM conduit gland.  
 Pull the tube back slightly to latch it securely.



**Temperature Range PA 6**  
 -40 to 120°C (-40 to 248°F)

| Thread        | Fits NW | D mm | L mm | A mm | B mm | C mm  | Cat. No. Black | Std. Pk. |
|---------------|---------|------|------|------|------|-------|----------------|----------|
| <b>PG</b>     |         |      |      |      |      |       |                |          |
| PG 9          | 10      | 12.0 | 29.0 | 21.6 | 20.0 | 50.0  | 3805201        | 50       |
| PG 11         | 12 + 13 | 12.0 | 34.0 | 25.5 | 25.0 | 54.6  | 3805207        | 50       |
| PG 16         | 17      | 13.0 | 44.5 | 34.5 | 31.0 | 65.8  | 3805213        | 25       |
| PG 21         | 23      | 13.0 | 51.5 | 42.5 | 38.0 | 74.1  | 3805219        | 20       |
| PG 29         | 29      | 15.0 | 63.5 | 49.5 | 48.0 | 86.8  | 3805225        | 10       |
| PG 36         | 37      | 17.0 | 74.5 | 59.0 | 56.0 | 104.8 | 3805231        | 10       |
| PG 48         | 50      | 19.0 | 99.8 | 72.0 | 72.0 | 129.0 | 3805237        | 5        |
| <b>Metric</b> |         |      |      |      |      |       |                |          |
| M 16 x 1.5    | 10      | 12.0 | 29.0 | 21.6 | 20.0 | 50.0  | 3805200        | 50       |
| M 20 x 1.5    | 12 + 13 | 12.0 | 34.0 | 25.5 | 25.0 | 54.6  | 3805206        | 50       |
| M 20 x 1.5    | 17      | 12.0 | 38.5 | 34.5 | 25.0 | 59.7  | 3805211        | 25       |
| M 25 x 1.5    | 23      | 13.0 | 48.5 | 42.5 | 31.0 | 71.3  | 3805217        | 20       |
| M 32 x 1.5    | 29      | 13.0 | 54.5 | 49.5 | 38.0 | 77.2  | 3805223        | 10       |
| M 40 x 1.5    | 37      | 15.0 | 68.5 | 59.0 | 48.0 | 95.6  | 3805229        | 10       |
| M 63 x 1.5    | 50      | 19.0 | 99.8 | 72.0 | 72.0 | 129.0 | 3805236        | 5        |



\*With O-ring, see page 39. Locknuts sold separately, see page 23.

**Material:**

- NBR 70

**Characteristics:**

- Shore: 70 ± 5

**Features:**

The O-ring must be mounted into the first groove of the conduit

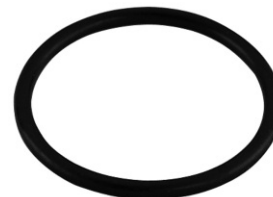
The conduit, with its pre-mounted sealing ring, must be inserted into the SEM gland and simply twisted into the end.

**Temperature Range**

-30 to 120°C (-22 to 248°F)

| Fits for NW | Internal Diameter mm | Thickness mm | Cat. No. | Std. Pk. |
|-------------|----------------------|--------------|----------|----------|
| 7.5         | 5.0                  | 1.5          | 8112800  | 50       |
| 8.5         | 7.0                  | 1.2          | 8112801  | 50       |
| 10          | 7.0                  | 1.5          | 8112802  | 50       |
| 12          | 9.0                  | 1.5          | 8112804  | 50       |
| 13          | 8.0                  | 1.6          | 8112803  | 50       |
| 17          | 14.0                 | 1.8          | 8112807  | 50       |
| 22          | 14.0                 | 2.0          | 8112808  | 25       |
| 23          | 18.0                 | 2.0          | 8112809  | 25       |
| 29          | 20.0                 | 2.5          | 8112810  | 20       |
| 37          | 24.0                 | 2.5          | 8112811  | 10       |
| 50*         | 28.0                 | 2.5          | 8112813  | 5        |

\* NW50 parts require 2 o-rings (one in first and one in second groove of corrugated tube).



## Clamping clip for conduit tubes

**Material:**

- Polyamide

**Color:**

- Black

**Technical Properties:**

- Stackable
- Quick mounting of conduits
- Center rib for traction relief

**Temperature Range**

-40 to 105°C (-40 to 221°F)

| Suitable for NW | B mm | H mm | h mm | L mm | d mm | Cat. No. | Std. Pk. |
|-----------------|------|------|------|------|------|----------|----------|
| 7.5             | 20.0 | 18.0 | 12.0 | 20.0 | 4.2  | 8221050  | 100      |
| 10              | 20.0 | 23.0 | 15.5 | 20.0 | 5.5  | 8221051  | 100      |
| 12 + 13         | 22.0 | 26.0 | 17.1 | 20.0 | 5.5  | 8221052  | 50       |
| 14 + 16         | 28.0 | 33.0 | 21.1 | 20.0 | 6.5  | 8221053  | 50       |
| 17              | 28.0 | 33.0 | 21.4 | 20.0 | 6.5  | 8221054  | 50       |
| 23              | 35.0 | 40.0 | 24.8 | 20.0 | 6.5  | 8221055  | 50       |
| 29              | 43.0 | 45.0 | 26.8 | 20.0 | 6.5  | 8221056  | 50       |
| 37              | 54.0 | 53.0 | 30.8 | 20.0 | 6.5  | 8221057  | 20       |
| 50              | 68.0 | 66.0 | 37.8 | 20.0 | 6.5  | 8221058  | 20       |

