

## SVN4 Flat thread gasket, metric/PG/GAS Gewindeflachdichtung, metrisch/PG/GAS

- For sealing of polyamide or metal threads of PMA fittings
- For ingress protection at the thread up to IP68
- For solid sealing of uneven rough contact areas around the thread hole or when no constructive measures for O-Rings are provided
- Zur Abdichtung von Polyamid- oder Metallgewinden von PMA-Verschraubungen
- Für Dichtheitsgrad am Gewinde bis IP68
- Zur optimalen Abdichtung von leicht unebenen oder rauen Kontaktflächen um das Gewindeloch oder wenn keine konstruktiven Massnahmen für den O-Ring vorhanden sind

### Dimensions / Dimensionen in mm

| Order no.   | Fits to thread metric       | Inside Ø | Outside Ø | Thickness |
|-------------|-----------------------------|----------|-----------|-----------|
| Bestell-Nr. | Passend zu Gewinde metrisch | Innen-Ø  | Aussen-Ø  | Dicke     |
| SVN4-M12    | M12x1.5                     | 12.0     | 20.0      | 1.5       |
| SVN4-M12/02 | M12x1.5                     | 12.0     | 23.0      | 1.5       |
| SVN4-M16    | M16x1.5                     | 16.0     | 22.0      | 1.5       |
| SVN4-M16/02 | M16x1.5                     | 16.0     | 25.0      | 1.5       |
| SVN4-M20    | M20x1.5                     | 20.0     | 27.0      | 1.5       |
| SVN4-M20/02 | M20x1.5                     | 20.0     | 33.0      | 1.5       |
| SVN4-M25    | M25x1.5                     | 25.0     | 35.0      | 1.5       |
| SVN4-M25/01 | M25x1.5                     | 25.0     | 31.0      | 1.5       |
| SVN4-M25/02 | M25x1.5                     | 25.0     | 39.0      | 1.5       |
| SVN4-M32    | M32x1.5                     | 32.0     | 43.0      | 1.5       |
| SVN4-M32/02 | M32x1.5                     | 32.0     | 49.0      | 1.5       |
| SVN4-M40    | M40x1.5                     | 40.0     | 55.0      | 1.5       |
| SVN4-M40/01 | M40x1.5                     | 40.0     | 51.0      | 1.5       |
| SVN4-M40/02 | M40x1.5                     | 40.0     | 64.0      | 1.5       |
| SVN4-M50    | M50x1.5                     | 50.0     | 69.0      | 1.5       |
| SVN4-M50/01 | M50x1.5                     | 50.0     | 59.0      | 1.5       |
| SVN4-M50/02 | M50x1.5                     | 50.0     | 74.0      | 1.5       |
| SVN4-M63    | M63x1.5                     | 63.0     | 75.0      | 1.5       |

| Order no.   | Fits to thread PG     | Inside Ø | Outside Ø | Thickness |
|-------------|-----------------------|----------|-----------|-----------|
| Bestell-Nr. | Passend zu Gewinde PG | Innen-Ø  | Aussen-Ø  | Dicke     |
| SVN4-07     | 07                    | 12.5     | 16.5      | 1.5       |
| SVN4-09     | 07                    | 15.2     | 20.0      | 1.5       |
| SVN4-11     | 11                    | 18.6     | 24.0      | 1.5       |
| SVN4-13     | 13.5                  | 20.4     | 31.0      | 1.5       |
| SVN4-16     | 16                    | 22.5     | 31.0      | 1.5       |
| SVN4-21     | 21                    | 28.3     | 37.0      | 1.5       |
| SVN4-29     | 29                    | 37.0     | 48.0      | 1.5       |
| SVN4-36     | 36                    | 47.0     | 57.0      | 1.5       |
| SVN4-42     | 42                    | 54.0     | 60.0      | 1.5       |
| SVN4-48     | 48                    | 59.3     | 69.0      | 1.5       |

| Order no.   | Fits to thread GAS     | Inside Ø | Outside Ø | Thickness |
|-------------|------------------------|----------|-----------|-----------|
| Bestell-Nr. | Passend zu Gewinde GAS | Innen-Ø  | Aussen-Ø  | Dicke     |
| SVN4-G00    | ¼"                     | 13.2     | 20.0      | 1.5       |
| SVN4-G01    | ⅜"                     | 16.7     | 22.0      | 1.5       |
| SVN4-G02    | ½"                     | 21.0     | 28.0      | 1.5       |
| SVN4-G04    | ¾"                     | 26.5     | 34.0      | 1.5       |
| SVN4-G06    | 1"                     | 33.3     | 42.0      | 1.5       |
| SVN4-G07    | 1 ¼"                   | 41.9     | 53.0      | 1.5       |
| SVN4-G08    | 1 ½"                   | 47.8     | 62.0      | 1.5       |
| SVN4-G09    | 2"                     | 59.6     | 69.0      | 1.5       |



- NBR reinforced with aramide fibres (asbestos-free)
- Temperature range: -50 °C to +200 °C, short-term to +350 °C

Note: Depending on flange sizes flat thread gaskets can have different widths. Please indicate fitting for which gasket is needed for replacement orders.

- NBR mit Aramidfaser verstärkt (asbestfrei)
- Temperaturbereich: -50 °C bis +200 °C, kurzzeitig bis +350 °C

Hinweis: Abhängig von den Flanschdurchmessern werden Gewindedichtungen mit unterschiedlichen Breiten geliefert. Bitte bei Nachbestellung angeben für welche Verschraubung die Gewindedichtung vorgesehen ist.



### AFN2 Universal safety clip / *Universal-Sicherheitssperre*

- Pre-installed in PMA connectors IP66 and IP68GT
- Allows simple push-in assembly of PMA conduits
- *Vormontiert in PMA-Verschraubungen IP66 und IP68GT*
- *Ermöglicht eine schnelle und leichte Montage von PMA-Wellrohren durch einfaches Einstossen in die Verschraubung*

Dimensions / *Dimensionen* in mm

| Order no.<br>dark grey                  | Fits to conduit size<br>NW profile            |       | Width         | Length       | Thickness    |
|---|---|-------|---------------|--------------|--------------|
| <i>Bestell-Nr.</i><br><i>dunkelgrau</i> | <i>Passend zu Rohrgr.</i><br><i>NW Profil</i> |       | <i>Breite</i> | <i>Länge</i> | <i>Dicke</i> |
| AFN2-07GT                               | 07  | G + T | 14.0          | 14.0         | 7.0          |
| AFN2-10GT                               | 10  | G + T | 17.5          | 17.0         | 8.0          |
| AFN2-12GT                               | 12  | G + T | 20.5          | 20.0         | 7.3          |
| AFN2-17GT                               | 17  | G + T | 26.5          | 22.0         | 8.0          |
| AFN2-23GT                               | 23  | G + T | 34.0          | 27.5         | 11.8         |
| AFN2-29GT                               | 29  | G + T | 40.5          | 32.0         | 11.8         |
| AFN2-36GT                               | 36  | G + T | 50.0          | 39.0         | 9.5          |
| AFN2-48GT                               | 48  | G + T | 62.0          | 47.0         | 9.5          |



### OVN2 Oval clip / *Oval-Sperre*

- Provides reliable fixation of PMA conduits within PMA IP68 fittings
- *Zur Fixierung von PMA-Wellrohren in PMA-Verschraubungen IP68*

Dimensions / *Dimensionen* in mm

| Order no.<br>dark grey                  | Fits to conduit size<br>NW profile            |       | Width         | Length       | Thickness    |
|---|---|-------|---------------|--------------|--------------|
| <i>Bestell-Nr.</i><br><i>dunkelgrau</i> | <i>Passend zu Rohrgr.</i><br><i>NW Profil</i> |       | <i>Breite</i> | <i>Länge</i> | <i>Dicke</i> |
| OVN2-07                                 | 07  | G + T | 14.0          | 14.0         | 6.0          |
| OVN2-10                                 | 10  | G + T | 17.5          | 17.0         | 7.0          |
| OVN2-12                                 | 12  | G + T | 21.0          | 19.0         | 6.0          |
| OVN2-17                                 | 17  | G + T | 26.5          | 22.5         | 7.0          |
| OVN2-23                                 | 23  | G + T | 34.0          | 27.5         | 10.5         |
| OVN2-29                                 | 29  | G + T | 40.5          | 32.0         | 10.5         |
| OVN2-36                                 | 36  | G + T | 49.5          | 39.0         | 8.5          |
| OVN2-48                                 | 48  | G + T | 62.0          | 47.0         | 8.5          |



### WPS Water impact protection / *Wasserprallschutz*

- Increased protection of PMAFIX fittings against water jet impact – increased protection up to IP69K
- For increased ingress protection requirements regarding high pressure/steam jet cleaning
- *Zusätzlicher Schutz von Verschraubungen vor starkem Strahlwasser – erlaubt erhöhte Dichtheit bis IP69K*
- *Bei erhöhten Dichtheitsanforderungen gegenüber Hochdruck/Dampfstrahlreinigung*

Dimensions / *Dimensionen* in mm

| Order no.<br>black                   | Fits to conduit size<br>NW profile            |       | Outside<br>Ø    | Thickness    |
|--------------------------------------|---|-------|-----------------|--------------|
| <i>Bestell-Nr.</i><br><i>schwarz</i> | <i>Passend zu Rohrgr.</i><br><i>NW Profil</i> |       | <i>Aussen-Ø</i> | <i>Dicke</i> |
| WPS-NW10                             | 10  | G + T | 22.0            | 8.0          |
| WPS-NW12                             | 12  | G + T | 26.0            | 8.0          |
| WPS-NW17                             | 17  | G + T | 33.0            | 8.0          |
| WPS-NW23                             | 23  | G + T | 40.0            | 9.0          |
| WPS-NW29                             | 29  | G + T | 47.0            | 9.5          |
| WPS-NW36                             | 36  | G + T | 59.0            | 10.0         |
| WPS-NW48                             | 48  | G + T | 71.0            | 10.0         |

- Based on PMAFIX IP68 system
- Two-piece water impact protection with click cap
- Retrofit installation possible

- *Als Basis dient das PMAFIX IP68 System*
- *Zweiteiliger Wasserprallschutz mit Schnappverschluss*
- *Nachträgliche Installation möglich*

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**NVN3 Sealing cap, reinforced / Rohrdichtung, verstärkt**

- In connection with PMAFIX connectors („V“ series) and PMA corrugated conduits
- For ingress protection IP68 static / IP67 dynamic
- In Verbindung mit den PMAFIX-Verschraubungen („V“-Modelle) und PMA-Wellrohren
- Für Dichtheit IP68 statisch / IP67 dynamisch

**Dimensions / Dimensionen in mm**

| Order no.<br><i>Bestell-Nr.</i> | Fits to conduit size<br>NW metric |                 | Length<br><i>Länge</i> |
|---------------------------------|-----------------------------------|-----------------|------------------------|
|                                 | <i>Passend zu Rohrgr.<br/>NW</i>  | <i>metrisch</i> |                        |
| NVN3-07                         | 07                                | 10              | 9.0                    |
| NVN3-09                         | 10                                | 12              | 9.0                    |
| NVN3-11                         | 12                                | 16              | 12.0                   |
| NVN3-16                         | 17                                | 23              | 16.5                   |
| NVN3-21                         | 23                                | 25              | 13.0                   |
| NVN3-29                         | 29                                | 32              | 14.0                   |
| NVN3-36                         | 36                                | 40              | 17.5                   |
| NVN3-48                         | 48                                | 50              | 17.5                   |



- Specially modified polyesterelastomer
- Free from halogens and cadmium
- Fits both conduit profiles – fine (T) and coarse (G)
- Temperature range: –40 °C to +105 °C

- *Speziell modifiziertes Polyesterelastomer*
- *Halogen- und cadmiumfrei*
- *Passend zu Rohrprofilen fein (T) und grob (G)*
- *Temperaturbereich: –40 °C bis +105 °C*

**NFN3 Sealing cap / Rohrdichtung**

- In connection with PMAFIX connectors („F“ series) and PMA corrugated conduits
- For ingress protection IP67 static / IP65 dynamic
- In Verbindung mit den PMAFIX-Verschraubungen („F“-Modelle) und PMA-Wellrohren
- Für Dichtheit IP67 statisch / IP65 dynamisch

**Dimensions / Dimensionen in mm**

| Order no.<br><i>Bestell-Nr.</i> | Fits to conduit size<br>NW metric |                 | Length<br><i>Länge</i> |
|---------------------------------|-----------------------------------|-----------------|------------------------|
|                                 | <i>Passend zu Rohrgr.<br/>NW</i>  | <i>metrisch</i> |                        |
| NFN3-07                         | 07                                | 10              | 9.0                    |
| NFN3-09                         | 10                                | 12              | 9.0                    |
| NFN3-11                         | 12                                | 16              | 9.0                    |
| NFN3-16                         | 17                                | 23              | 9.0                    |
| NFN3-21                         | 23                                | 25              | 9.0                    |
| NFN3-29                         | 29                                | 32              | 9.0                    |
| NFN3-36                         | 36                                | 40              | 11.0                   |
| NFN3-48                         | 48                                | 50              | 11.0                   |



- Specially modified polyesterelastomer
- Free from halogens and cadmium
- Fits conduit profiles – fine (T) and coarse (G)
- Temperature range: –40 °C to +105 °C

- *Speziell modifiziertes Polyesterelastomer*
- *Halogen- und cadmiumfrei*
- *Passend zu Rohrprofilen fein (T) und grob (G)*
- *Temperaturbereich: –40 °C bis +105 °C*

**NR Reducer, PG / Reduktion, PG**

- Reduction of threaded or clearance holes to smaller PG thread sizes
- Zum Reduzieren einer Gewinde- oder Durchgangsbohrung auf eine kleinere PG-Gewindegröße

**Dimensions / Dimensionen in mm**

| Order no.<br><i>Bestell-Nr.</i> | Thread outside<br>PG<br><i>Gewinde aussen<br/>PG</i> | Thread inside<br>PG<br><i>Gewinde innen<br/>PG</i> | Length<br><i>Gesamtlänge</i> | Inside<br>Ø<br><i>Innen-<br/>Ø</i> | Outside<br>Ø<br><i>Aussen-<br/>Ø</i> |
|---------------------------------|--|--|------------------------------|------------------------------------|--------------------------------------|
| 1109N                           | 11   | 09   | 22.5                         | 10.5                               | 24.5                                 |
| 1309N                           | 13.5   | 09   | 15.0                         | 10.0                               | 26.0                                 |
| 1311N                           | 13.5   | 11   | 24.0                         | 11.5                               | 26.0                                 |
| 1609N                           | 16   | 09   | 16.0                         | 10.0                               | 29.0                                 |
| 1611N                           | 16   | 11   | 16.0                         | 11.5                               | 29.0                                 |
| 1613N                           | 16   | 13.5   | 27.0                         | 13.5                               | 29.0                                 |
| 2113N                           | 21   | 13.5   | 16.0                         | 13.5                               | 35.5                                 |
| 2116N                           | 21   | 16   | 16.0                         | 15.5                               | 35.5                                 |
| 2921N                           | 29   | 21   | 17.0                         | 22.0                               | 43.0                                 |
| 3629N                           | 36   | 29   | 24.0                         | 30.5                               | 54.0                                 |



- High-grade, glass fibre reinforced Polyamid 6
- Temperature range: –30 °C to +100 °C

- *Hochwertiges, glasfaserverstärktes Polyamid 6*
- *Temperaturbereich: –30 °C bis +100 °C*



- Nickel-plated brass
- Hexagonal form
- Temperature range: -60 °C to +200 °C

- *Messing galvanisch vernickelt*
- *Sechskant*
- *Temperaturbereich: -60 °C bis +200 °C*

**ME Enlarger, brass, metric thread**  
*Erweiterung, Messing, metrisches Gewinde*

- For enlargement of an existing thread
- *Zur Erweiterung einer bestehenden Gewindebohrung*

Dimensions / *Dimensionen* in mm

| Order no.          | Thread outside metric          | length       | Thread inside metric          | length       | Wrench size           | Inside Ø       | Overall length     |
|--------------------|--------------------------------|--------------|-------------------------------|--------------|-----------------------|----------------|--------------------|
| <i>Bestell-Nr.</i> | <i>Gewinde aussen metrisch</i> | <i>Länge</i> | <i>Gewinde innen metrisch</i> | <i>Länge</i> | <i>Schlüsselweite</i> | <i>Innen-Ø</i> | <i>Gesamtlänge</i> |
| <b>M12M16M</b>     | M12x1.5                        | 5.0 mm       | M16x1.5                       | 7.0 mm       | 18                    | 8.0            | 16.0               |
| <b>M16M20M</b>     | M16x1.5                        | 5.0 mm       | M20x1.5                       | 7.5 mm       | 22                    | 12.0           | 16.5               |
| <b>M20M25M</b>     | M20x1.5                        | 6.0 mm       | M25x1.5                       | 8.0 mm       | 27                    | 15.0           | 18.5               |
| <b>M25M32M</b>     | M25x1.5                        | 7.0 mm       | M32x1.5                       | 9.0 mm       | 34                    | 21.0           | 20.5               |
| <b>M32M40M</b>     | M32x1.5                        | 8.0 mm       | M40x1.5                       | 10.0 mm      | 42                    | 26.0           | 23.5               |
| <b>M40M50M</b>     | M40x1.5                        | 8.0 mm       | M50x1.5                       | 13.0 mm      | 52                    | 34.0           | 30.0               |
| <b>M50M63M</b>     | M50x1.5                        | 9.0 mm       | M63x1.5                       | 16.0 mm      | 65                    | 44.0           | 32.5               |



- Nickel-plated brass
- Temperature range: -60 °C to +200 °C
- Round form without O-ring, hexagonal form with O-ring

- *Messing galvanisch vernickelt*
- *Temperaturbereich: -60 °C bis +200 °C*
- *Runde Form ohne O-Ring, 6-kant mit O-Ring*

**MR Reducer, brass, metric thread**  
*Reduktion, Messing, metrisches Gewinde*

- Reduction of threaded or clearance holes to smaller thread sizes
- *Zum Reduzieren einer Gewinde- oder Durchgangsbohrung auf eine kleinere Gewindegrösse*

| Order no. standard          | Order no. hexagonal       | Thread outside metric          | Thread inside metric          |
|-----------------------------|---------------------------|--------------------------------|-------------------------------|
| <i>Bestell-Nr. Standard</i> | <i>Bestell-Nr. 6-kant</i> | <i>Gewinde aussen metrisch</i> | <i>Gewinde innen metrisch</i> |
| <b>M16M12M</b>              | <b>M16M12M/6</b>          | M16x1.5                        | M12x1.5                       |
| <b>M20M12M</b>              | <b>M20M12M/6</b>          | M20x1.5                        | M12x1.5                       |
| <b>M20M16M</b>              | <b>M20M16M/6</b>          | M20x1.5                        | M16x1.5                       |
| <b>M25M16M</b>              | <b>M25M16M/6</b>          | M25x1.5                        | M16x1.5                       |
| <b>M25M20M</b>              | <b>M25M20M/6</b>          | M25x1.5                        | M20x1.5                       |
| <b>M32M20M</b>              | <b>M32M20M/6</b>          | M32x1.5                        | M20x1.5                       |
| <b>M32M25M</b>              | <b>M32M25M/6</b>          | M32x1.5                        | M25x1.5                       |
| <b>M40M25M</b>              | <b>M40M25M/6</b>          | M40x1.5                        | M25x1.5                       |
| <b>M40M32M</b>              | <b>M40M32M/6</b>          | M40x1.5                        | M32x1.5                       |
| <b>M50M32M</b>              | <b>M50M32M/6</b>          | M50x1.5                        | M32x1.5                       |
| <b>M50M40M</b>              | <b>M50M40M/6</b>          | M50x1.5                        | M40x1.5                       |
| <b>M63M40M</b>              | <b>M63M40M/6</b>          | M63x1.5                        | M40x1.5                       |
| <b>M63M50M</b>              | <b>M63M50M/6</b>          | M63x1.5                        | M50x1.5                       |

**ME Enlarger, brass, PG thread**  
*Erweiterung, Messing, PG Gewinde*

- For enlargement of an existing thread
- Zur Erweiterung einer bestehenden Gewindebohrung

Dimensions / Dimensionen in mm

| Order no.<br>metal, standard    | Thread outside<br>PG length | Thread inside<br>PG length | Outside<br>Ø | Overall<br>length |
|---------------------------------|-----------------------------|----------------------------|--------------|-------------------|
| Bestell-Nr.<br>Metall, Standard | Gewinde aussen<br>PG Länge  | Gewinde innen<br>PG Länge  | Aussen-<br>Ø | Gesamt-<br>länge  |
| 0709M                           | 07 5.0 mm                   | 09 7.0 mm                  | 17.0         | 15.0              |
| 0911M                           | 09 6.0 mm                   | 11 7.0 mm                  | 20.0         | 16.5              |
| 0913M                           | 09 6.0 mm                   | 13 7.5 mm                  | 22.0         | 17.5              |
| 1113M                           | 11 6.0 mm                   | 13 8.0 mm                  | 22.0         | 17.5              |
| 1116M                           | 11 6.5 mm                   | 16 8.5 mm                  | 24.0         | 19.0              |
| 1121M                           | 11 6.5 mm                   | 21 10.0 mm                 | 30.0         | 21.0              |
| 1316M                           | 13.5 6.5 mm                 | 16 7.5 mm                  | 24.0         | 19.0              |
| 1321M                           | 13.5 6.5 mm                 | 21 8.5 mm                  | 30.0         | 21.0              |
| 1621M                           | 16 6.5 mm                   | 21 8.5 mm                  | 30.0         | 21.0              |
| 1629M                           | 16 6.5 mm                   | 29 11.0 mm                 | 39.0         | 22.5              |
| 2129M                           | 21 7.0 mm                   | 29 11.5 mm                 | 39.0         | 23.0              |
| 2936M                           | 29 8.0 mm                   | 36 12.0 mm                 | 50.0         | 27.5              |
| 4248M                           | 42 10.0 mm                  | 48 17.0 mm                 | 64.0         | 33.0              |



- Nickel-plated brass
- Temperature range: -60 °C to +200 °C
- Messing galvanisch vernickelt
- Temperaturbereich: -60 °C bis +200 °C

**MR Reducer, brass, PG thread**  
*Reduktion, Messing, PG Gewinde*

- Reduction of threaded or clearance holes to smaller thread sizes
- Zum Reduzieren einer Gewinde- oder Durchgangsbohrung auf eine kleinere Gewindegrösse

Dimensions / Dimensionen in mm

| Order no.<br>metal, standard    | Thread outside<br>PG length | Thread inside<br>PG length | Outside<br>Ø | Overall<br>length |
|---------------------------------|-----------------------------|----------------------------|--------------|-------------------|
| Bestell-Nr.<br>Metall, Standard | Gewinde aussen<br>PG Länge  | Gewinde innen<br>PG Länge  | Aussen-<br>Ø | Gesamt-<br>länge  |
| 0907M                           | 09 6.0 mm                   | 07 7.0 mm                  | 17.0         | 8.5               |
| 1107M                           | 11 6.0 mm                   | 07 7.0 mm                  | 20.0         | 8.5               |
| 1109M                           | 11 6.0 mm                   | 09 7.5 mm                  | 20.0         | 8.5               |
| 1307M                           | 13.5 6.5 mm                 | 07 7.5 mm                  | 22.0         | 9.0               |
| 1309M                           | 13.5 6.5 mm                 | 09 8.0 mm                  | 22.0         | 9.0               |
| 1311M                           | 13.5 6.5 mm                 | 11 8.5 mm                  | 22.0         | 9.0               |
| 1607M                           | 16 6.5 mm                   | 07 7.5 mm                  | 24.0         | 9.5               |
| 1609M                           | 16 6.5 mm                   | 09 8.0 mm                  | 24.0         | 9.5               |
| 1611M                           | 16 6.5 mm                   | 11 8.5 mm                  | 24.0         | 9.5               |
| 1613M                           | 16 6.5 mm                   | 13.5 9.0 mm                | 24.0         | 9.5               |
| 2111M                           | 21 7.0 mm                   | 11 8.5 mm                  | 30.0         | 10.0              |
| 2113M                           | 21 7.0 mm                   | 13.5 9.0 mm                | 30.0         | 10.0              |
| 2116M                           | 21 7.0 mm                   | 16 9.5 mm                  | 30.0         | 10.0              |
| 2916M                           | 29 8.0 mm                   | 16 9.5 mm                  | 39.0         | 11.5              |
| 2921M                           | 29 8.0 mm                   | 21 10.0 mm                 | 39.0         | 11.5              |
| 3621M                           | 36 9.0 mm                   | 21 10.0 mm                 | 50.0         | 12.5              |
| 3629M                           | 36 9.0 mm                   | 29 11.0 mm                 | 50.0         | 12.5              |
| 4229M                           | 42 10.0 mm                  | 29 11.5 mm                 | 57.0         | 14.0              |
| 4236M                           | 42 10.0 mm                  | 36 12.0 mm                 | 57.0         | 14.0              |
| 4836M                           | 48 10.0 mm                  | 36 12.0 mm                 | 64.0         | 14.0              |
| 4842M                           | 48 10.0 mm                  | 42 13.0 mm                 | 64.0         | 14.0              |



- Nickel-plated brass
- Temperature range: -60 °C to +200 °C
- Messing galvanisch vernickelt
- Temperaturbereich: -60 °C bis +200 °C





- Polyamide 6 glass fibre reinforced
- Free from halogens and cadmium
- IP54
- Temperature range: -30 °C to +100 °C

- *Polyamid 6 glasfaserverstärkt*
- *Halogen- und cadmiumfrei*
- *IP54*
- *Temperaturbereich: -30 °C bis +100 °C*

### 514 Plug screw, metric/PG thread / *Verschluss-Schraube, metrisches/PG Gewinde*

• For closing off unused threaded holes

• *Zum sicheren Verschiessen von nicht benötigten Gewindebohrungen*

**Dimensions / Dimensionen in mm**

| Order no.<br>grey           | Fits to thread<br>metric               | Outside<br>Ø         | Height      | Thread<br>Length          |
|-----------------------------|--|----------------------|-------------|---------------------------|
| <i>Bestell-Nr.<br/>grau</i> | <i>passend zu<br/>Gewinde metrisch</i> | <i>Aussen-<br/>Ø</i> | <i>Höhe</i> | <i>Gewinde-<br/>länge</i> |
| 514-M12                     | M12x1.5                                | 15.0                 | 10.0        | 6.0                       |
| 514-M16                     | M16x1.5                                | 20.0                 | 10.5        | 6.0                       |
| 514-M20                     | M20x1.5                                | 24.0                 | 10.5        | 6.0                       |
| 514-M25                     | M25x1.5                                | 30.0                 | 13.0        | 8.0                       |
| 514-M32                     | M32x1.5                                | 37.0                 | 13.5        | 8.0                       |
| 514-M40                     | M40x1.5                                | 46.0                 | 14.0        | 8.0                       |
| 514-M50                     | M50x1.5                                | 56.0                 | 16.5        | 10.0                      |
| 514-M63                     | M63x1.5                                | 70.0                 | 17.0        | 12.0                      |

| Order no.<br>grey           | Fits to thread<br>PG             | Outside<br>Ø         | Height      | Thread<br>Length          |
|-----------------------------|----------------------------------|----------------------|-------------|---------------------------|
| <i>Bestell-Nr.<br/>grau</i> | <i>passend zu<br/>Gewinde PG</i> | <i>Aussen-<br/>Ø</i> | <i>Höhe</i> | <i>Gewinde-<br/>länge</i> |
| 514-07                      | 07                               | 15.0                 | 10.0        | 6.0                       |
| 514-09                      | 09                               | 19.0                 | 10.0        | 6.0                       |
| 514-11                      | 11                               | 22.0                 | 10.0        | 6.0                       |
| 514-13                      | 13.5                             | 25.0                 | 10.0        | 6.0                       |
| 514-16                      | 16                               | 27.0                 | 10.0        | 6.0                       |
| 514-21                      | 21                               | 33.0                 | 12.5        | 8.0                       |
| 514-29                      | 29                               | 44.5                 | 13.0        | 8.0                       |
| 514-36                      | 36                               | 55.5                 | 15.0        | 10.0                      |
| 514-48                      | 48                               | 69.5                 | 17.0        | 12.0                      |

## MN Hexagonal lock nut, polyamide, metric/PG thread 6-kant Gegenmutter, Polyamid, metrisches/PG Gewinde

Dimensions / Dimensionen in mm

| Order no.<br>black     | Order no.<br>grey   | Fits to thread<br>metric       | Wrench<br>size      | Height |
|------------------------|---------------------|--------------------------------|---------------------|--------|
| Bestell-Nr.<br>schwarz | Bestell-Nr.<br>grau | Passend zu<br>Gewinde metrisch | Schlüssel-<br>weite | Höhe   |
| BMN-M12                | GMN-M12             | M12x1.5                        | 17                  | 5.0    |
| BMN-M16                | GMN-M16             | M16x1.5                        | 22                  | 5.0    |
| BMN-M20                | GMN-M20             | M20x1.5                        | 26                  | 5.6    |
| BMN-M25                | GMN-M25             | M25x1.5                        | 32                  | 6.0    |
| BMN-M32                | GMN-M32             | M32x1.5                        | 41                  | 7.0    |
| BMN-M40                | GMN-M40             | M40x1.5                        | 50                  | 7.0    |
| BMN-M50                | GMN-M50             | M50x1.5                        | 60                  | 8.0    |
| BMN-M63                | GMN-M63             | M63x1.5                        | 75                  | 8.0    |

| Order no.<br>black     | Order no.<br>grey   | Fits to thread<br>PG     | Wrench<br>size      | Height |
|------------------------|---------------------|--------------------------|---------------------|--------|
| Bestell-Nr.<br>schwarz | Bestell-Nr.<br>grau | Passend zu<br>Gewinde PG | Schlüssel-<br>weite | Höhe   |
| BMN-07                 | GMN-07              | 07                       | 19                  | 5.0    |
| BMN-09                 | GMN-09              | 09                       | 22                  | 5.0    |
| BMN-11                 | GMN-11              | 11                       | 24                  | 5.0    |
| BMN-13                 | GMN-13              | 13.5                     | 27                  | 6.0    |
| BMN-16                 | GMN-16              | 16                       | 30                  | 6.0    |
| BMN-21                 | GMN-21              | 21                       | 36                  | 7.0    |
| BMN-29                 | GMN-29              | 29                       | 46                  | 7.0    |
| BMN-36                 | GMN-36              | 36                       | 60                  | 8.0    |
| BMN-48                 | GMN-48              | 48                       | 70                  | 8.0    |



- Glass fibre reinforced Polyamid 6
- High tightening torques
- Glasfaserverstärktes Polyamid 6
- Hohe Anzugsdrehmomente

## MM Hexagonal lock nut, brass, metric/PG thread 6-kant Gegenmutter, Messing, metrisches/PG Gewinde

Dimensions / Dimensionen in mm

| Order no.   | Fits to thread<br>metric       | Wrench<br>size      | Height<br>(min.) |
|-------------|--------------------------------|---------------------|------------------|
| Bestell-Nr. | Passend zu<br>Gewinde metrisch | Schlüssel-<br>weite | Höhe<br>(min.)   |
| GMM-M12     | M12x1.5                        | 15                  | 2.8              |
| GMM-M16     | M16x1.5                        | 19                  | 2.8              |
| GMM-M20     | M20x1.5                        | 24                  | 3.0              |
| GMM-M25     | M25x1.5                        | 30                  | 3.5              |
| GMM-M32     | M32x1.5                        | 36                  | 4.0              |
| GMM-M40     | M40x1.5                        | 46                  | 4.5              |
| GMM-M50     | M50x1.5                        | 60                  | 5.0              |
| GMM-M63     | M63x1.5                        | 70                  | 5.5              |

| Order no.   | Fits to thread<br>PG     | Wrench<br>size      | Height<br>(min.) |
|-------------|--------------------------|---------------------|------------------|
| Bestell-Nr. | Passend zu<br>Gewinde PG | Schlüssel-<br>weite | Höhe<br>(min.)   |
| GMM-07      | 07                       | 15                  | 2.8              |
| GMM-09      | 09                       | 18                  | 2.8              |
| GMM-11      | 11                       | 21                  | 3.0              |
| GMM-13      | 13.5                     | 23                  | 3.0              |
| GMM-16      | 16                       | 26                  | 3.0              |
| GMM-21      | 21                       | 32                  | 3.5              |
| GMM-29      | 29                       | 41                  | 4.0              |
| GMM-36      | 36                       | 51                  | 5.0              |
| GMM-42      | 42                       | 60                  | 5.0              |
| GMM-48      | 48                       | 64                  | 5.5              |



- Nickel-plated brass
- maximum possible torque
- Safe system connection
- Messing galvanisch vernickelt
- Höchstmögliche Anzugsdrehmomente
- Sichere Systemverbindung



- Optimal axial strain relief due to integrated rib
- Variable fixation possible due to six holes, safe against turning
- With safety lid suitable for overhead installation
- High retention forces

- *Optimale axiale Zugentlastung dank integrierter Rippe*
- *Variable verdrehsichere Montage dank Sechslöch Befestigung*
- *Mit zus. Sicherheitsbügel geeignet für Überkopf-Installation*
- *Hohe Haltekräfte*

## VH System support / *Systemhalter*

- For applications in machine building and installation

- *Für Anwendungen im Maschinen- und Anlagenbau*

| Order no.<br>Support<br><i>Bestell-Nr.<br/>Halter</i> | Order no.<br>Clip<br><i>Bestell-Nr.<br/>Bügel</i> | Order no.<br>Complete<br><i>Bestell-Nr.<br/>Komplett</i> | Fits to conduit size             |                 | Dimensions / <i>Dimensionen</i> in mm |                                    |
|---|---|--|----------------------------------|-----------------|---------------------------------------|------------------------------------|
|   |   |  | NW                               | metric          | Width x Height<br>x Depth             | Fixing<br>screws                   |
|   |   |  | <i>Passend zu Rohrgr.<br/>NW</i> | <i>metrisch</i> | <i>Breite x Höhe<br/>x Tiefe</i>      | <i>Befestigungs-<br/>schrauben</i> |
| *VH-17-010  | *VH-17-020  | *VH-17-000   | 17                               | 20              | 35 x 36 x 36                          | 6 x M5                             |
| *VH-23-010  | *VH-23-020  | *VH-23-000   | 23                               | 25              | 35 x 44 x 36                          | 6 x M5                             |
| *VH-29-010  | *VH-29-020  | *VH-29-000   | 29                               | 32              | 46 x 52 x 40                          | 6 x M5                             |
| *VH-36-010  | *VH-36-020  | *VH-36-000   | 36                               | 40              | 53 x 58 x 60                          | 6 x M5                             |
| *VH-48-010  | *VH-48-020  | *VH-48-000   | 48                               | 50              | 66 x 72 x 60                          | 6 x M5                             |



- Fixes conduit against axial movements
- Allows radial turning of conduit
- Especially suitable for dynamic applications due to rounded edges

- *Fixiert das Rohr gegen Axialbewegungen*
- *Erlaubt radiale Rohrbewegungen*
- *Dank abgerundeten Kanten speziell für dynamische Verlegung geeignet*

## GN Half shell / *Halbschale*

- For conduit fixation in conjunction with beam systems, particularly in traction and machine applications

- *Zur Rohr-Befestigung in Verbindung mit Systemblöcken, vor allem im Schienenfahrzeug- und Maschinenbau*

| Order no.<br>fine profile, black<br><i>Bestell-Nr.<br/>Feinprofil, schwarz</i> | Order no.<br>coarse profile, black<br><i>Bestell-Nr.<br/>Grobprofil, schwarz</i> | Fits to conduit size             |                 | Outside<br>Ø<br><i>Aussen-<br/>Ø</i> | Width<br><br><i>Breite</i> |
|--|--|----------------------------------|-----------------|--------------------------------------|----------------------------|
|  |  | NW                               | metric          |                                      |                            |
|  |  | <i>Passend zu Rohrgr.<br/>NW</i> | <i>metrisch</i> |                                      |                            |
| BGN-S12T   | –  | 12                               | 16              | 26.5                                 | 34.0                       |
| BGN-S17T   | BGN-S17G   | 17                               | 20              | 32.0                                 | 34.0                       |
| BGN-S23T   | BGN-S23G   | 23                               | 25              | 39.5                                 | 34.0                       |
| BGN-S29T   | BGN-S29G   | 29                               | 32              | 47.0                                 | 34.0                       |
| BGN-S36T   | –  | 36                               | 40              | 55.0                                 | 36.5                       |
| –  | BGN-S36G   | 36                               | 40              | 55.0                                 | 34.0                       |
| BGN-S48T   | –  | 48                               | 50              | 66.5                                 | 36.5                       |
| –  | BGN-S48G   | 48                               | 50              | 66.5                                 | 34.0                       |
| –  | BGN-S70G   | 70                               | 80              | 93.5                                 | 38.0                       |

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**FH-0** System support, one-piece / Systemhalter, einteilig

- For applications in machine building and installation
- Für Anwendungen im Maschinen- und Anlagenbau

## Dimensions / Dimensionen in mm

| Order no.<br>black     | Order no.<br>grey   | Fits to conduit size |        | Width x Height x Depth | Fixing<br>screw           |
|------------------------|---------------------|----------------------|--------|------------------------|---------------------------|
| Bestell-Nr.<br>schwarz | Bestell-Nr.<br>grau | NW                   | metric | Breite x Höhe x Tiefe  | Befestigungs-<br>schraube |
| BFH-07-0               | SFH-07-0            | 07                   | 10     | 17.0 x 21.5 x 20.0     | 1 x M4                    |
| BFH-10-0               | SFH-10-0            | 10                   | 12     | 20.5 x 24.5 x 20.0     | 1 x M5                    |
| BFH-12-0               | SFH-12-0            | 12                   | 16     | 24.0 x 27.0 x 20.0     | 1 x M5                    |
| BFH-17-0               | SFH-17-0            | 17                   | 20     | 30.0 x 34.0 x 20.0     | 1 x M6                    |
| BFH-23-0               | SFH-23-0            | 23                   | 25     | 38.5 x 42.0 x 20.0     | 1 x M6                    |
| BFH-29-0               | SFH-29-0            | 29                   | 32     | 45.5 x 48.0 x 20.0     | 1 x M6                    |
| BFH-36-0               | SFH-36-0            | 36                   | 40     | 55.5 x 56.0 x 20.0     | 1 x M6                    |
| BFH-48-0               | SFH-48-0            | 48                   | 50     | 67.5 x 68.0 x 20.0     | 1 x M6                    |



- Optimal axial strain relief due to integrated rib
- Suitable for overhead installations due to safety lid
- High retention forces
- Quick mounting due to single hole fixing
- Fits to rail for system support FHS

- Optimale axiale Zugentlastung durch integrierte Rippe
- Geeignet für Überkopf-Installation durch Sicherheitsbügel
- Hohe Haltekräfte
- Schnelle Installation durch Einlochbefestigung
- Passend zu Systemhalter-Schiene FHS

**FHS** Rail for system support / Schiene für Systemhalter

- For flexible assembly of one-piece system supports and/or fixation of various conduit sizes
- Zur flexiblen Anordnung von Systemhaltern und/oder gleichzeitiger Befestigung von verschiedenen Rohrgrößen

## Dimensions / Dimensionen in mm

| Order no.<br>black   | Order no.<br>grey   | Fits to<br>system supports                                   | Length x Height x Depth |
|--|---------------------|--|-------------------------|
| Bestell-Nr.<br>schwarz   | Bestell-Nr.<br>grau | Passend zu<br>Systemhalter                                   | Länge x Höhe x Tiefe    |
| BFHS-00  | SFHS-00             | FH-NW-0  | 275.0 x 15.5 x 25.0     |
| Additional position supports or distance spacers / Zusätzliche Positions- oder Distanzhalter |                     |  |                         |
| BFHS-PH  | SFHS-PH             | Position support with screws / Positionshalter mit Schrauben |                         |
| BFHS-PH1   | SFHS-PH1            | Distance spacers / Distanzhalter                             |                         |



- Glass fibre reinforced polyamide 6
- Extremely robust construction
- High stiffness
- Positioning and distance spacers available

- Glasfaserverstärktes Polyamid 6
- Extrem stabile Bauweise
- Hohe Steifigkeit
- Positions- und Distanzhalter erhältlich

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- Integrated rib provides axial strain relief
- Allows turning of the conduit, thus avoiding torsion stresses
- Pre-fixation on the conduit possible

- *Axiale Zugentlastung durch integrierte Rippe*
- *Durch Verdrehbarkeit des Rohres kann Torsionsbelastung vermieden werden*
- *Vorfixierung am Rohr möglich*



- Integrated rib provides axial strain relief
- Allows turning of the conduit, thus avoiding torsion stresses
- Pre-fixation on the conduit possible
- Allows solid fixation with 2 screws

- *Axiale Zugentlastung durch integrierte Rippe*
- *Durch Verdrehbarkeit des Rohres kann Torsionsbelastung vermieden werden*
- *Vorfixierung am Rohr möglich*
- *Stabile Befestigung durch 2 Schrauben*



- Galvanized steel
- Elastomer profile (EPDM) free from halogens
- Smooth connection to PMA conduits
- Good resistance to ozone and ageing
- Temperature range: -40 °C to +120 °C

- *Galvanisch verzinkter Stahl*
- *Halogenfreies Elastomerprofil (EPDM)*
- *Saubere Verbindung mit PMA-Rohren*
- *Gute Ozon- und Alterungsbeständigkeit*
- *Temperaturbereich: -40 °C bis +120 °C*

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## GL Tube clamp, one-piece / *Rohrschelle, einteilig*

- Used in general machine and installation applications
- *Für den allgemeinen Maschinen- und Anlagenbau*

Dimensions / *Dimensionen* in mm

| Order no.<br>black            | Order no.<br>grey          | Fits to conduit size<br>NW metric |                 | Width         | Fixing<br>screw                   |
|-------------------------------|----------------------------|-----------------------------------|-----------------|---------------|-----------------------------------|
| <i>Bestell-Nr.</i><br>schwarz | <i>Bestell-Nr.</i><br>grau | <i>Passend zu Rohrgr.</i><br>NW   | <i>metrisch</i> | <i>Breite</i> | <i>Befestigungs-<br/>schraube</i> |
| BGL-07                        | SGL-07                     | 07                                | 10              | 25.0          | 1 x M4                            |
| BGL-10                        | SGL-10                     | 10                                | 12              | 27.0          | 1 x M4                            |
| BGL-12                        | SGL-12                     | 12                                | 16              | 31.0          | 1 x M4                            |
| BGL-17                        | SGL-17                     | 17                                | 20              | 39.5          | 1 x M5                            |
| BGL-23                        | SGL-23                     | 23                                | 25              | 49.0          | 1 x M5                            |
| BGL-29                        | SGL-29                     | 29                                | 32              | 57.0          | 1 x M6                            |

## GH Tube clamp, one-piece / *Rohrschelle, einteilig*

- Used in general machine and installation applications
- *Für den allgemeinen Maschinen- und Anlagenbau*

Dimensions / *Dimensionen* in mm

| Order no.<br>black            | Order no.<br>grey          | Fits to conduit size<br>NW metric |                 | Width         | Fixing<br>screws                   |
|-------------------------------|----------------------------|-----------------------------------|-----------------|---------------|------------------------------------|
| <i>Bestell-Nr.</i><br>schwarz | <i>Bestell-Nr.</i><br>grau | <i>Passend zu Rohrgr.</i><br>NW   | <i>metrisch</i> | <i>Breite</i> | <i>Befestigungs-<br/>schrauben</i> |
| BGH-23                        | SGH-23                     | 23                                | 25              | 16.0          | 2 x M5                             |
| BGH-29                        | SGH-29                     | 29                                | 32              | 19.0          | 2 x M6                             |
| BGH-36                        | SGH-36                     | 36                                | 40              | 24.0          | 2 x M6                             |
| BGH-48                        | SGH-48                     | 48                                | 50              | 24.0          | 2 x M6                             |
| BGH-56                        | SGH-56                     | 56                                | 68              | 26.0          | 2 x M8                             |
| BGH-70                        | SGH-70                     | 70                                | 80              | 30.0          | 2 x M8                             |
| BGH-95                        | SGH-95                     | 95                                | 106             | 30.0          | 2 x M8                             |

## SGB Tube clamp / *Rohrschelle*

- For fixation of static conduits
- *Zur Befestigung statisch verlegter Rohre*

Dimensions / *Dimensionen* in mm

| Order no.          | Fits to conduit size<br>NW metric |                 | Width         | Fixing<br>screw                   |
|--------------------|-----------------------------------|-----------------|---------------|-----------------------------------|
| <i>Bestell-Nr.</i> | <i>Passend zu Rohrgr.</i><br>NW   | <i>metrisch</i> | <i>Breite</i> | <i>Befestigungs-<br/>schraube</i> |
| SGB-07             | 07                                | 10              | 13.0          | 1 x M4                            |
| SGB-09             | 10                                | 12              | 13.0          | 1 x M4                            |
| SGB-11             | 12                                | 16              | 13.0          | 1 x M4                            |
| SGB-16             | 17                                | 20              | 16.0          | 1 x M5                            |
| SGB-21             | 23                                | 25              | 16.0          | 1 x M5                            |
| SGB-29             | 29                                | 32              | 19.0          | 1 x M6                            |
| SGB-36             | 36                                | 40              | 19.0          | 1 x M6                            |
| SGB-48             | 48                                | 50              | 19.0          | 1 x M6                            |

**GPS System support, one-piece, stackable / Systemhalter, einteilig, stapelbar**

- In railway vehicle construction, heavy machine building industry and other applications with increased mechanical requirements
- *Im Schienenfahrzeug- und schweren Maschinenbau sowie anderen Anwendungen mit erhöhten mechanischen Anforderungen*

Dimensions / Dimensionen in mm

| Order no.          | Fits to conduit size         |                 |               | Width         | Height      | Depth        |
|--------------------|------------------------------|-----------------|---------------|---------------|-------------|--------------|
|                    | NW                           | metric          | DIN-NW        |               |             |              |
| <i>Bestell-Nr.</i> | <i>Passend zu Rohrgrösse</i> |                 |               | <i>Breite</i> | <i>Höhe</i> | <i>Tiefe</i> |
|                    | <i>NW</i>                    | <i>metrisch</i> | <i>DIN-NW</i> |               |             |              |
| <b>BGPS-12/01*</b> | 12                           | 16              | 2             | 70.0          | 51.0        | 30.0         |
| <b>BGPS-17</b>     | 17                           | 20              | 2             | 70.0          | 51.0        | 30.0         |
| <b>BGPS-23</b>     | 23                           | 25              | 2             | 70.0          | 51.0        | 30.0         |
| <b>BGPS-29</b>     | 29                           | 32              | 3             | 85.0          | 65.0        | 30.0         |
| <b>BGPS-36</b>     | 36                           | 40              | 3             | 85.0          | 65.0        | 30.0         |
| <b>BGPS-48</b>     | 48                           | 50              | 4             | 115.0         | 92.5        | 30.0         |
| <b>BGPS-56</b>     | 56                           | 68              | 4             | 115.0         | 92.5        | 30.0         |

\* This size will be delivered with a half-shell insert. / Diese Grösse wird mit einem Halbschalen-Einsatz geliefert.



- Heavy design, high retention forces
- Applicable with standard metal C rails
- Clasp for easy pre-mounting and final assembly
- Especially suitable for dyn. applic. due to rounded edges
- The following nominal widths can be combined for stacking: NW 12 with NW 17 + 23, NW 17 with NW 23, NW 29 with NW 36, NW 48 with NW 56
- Content of delivery: System support and 2 screws for securing of the lid (optional); without mounting accessories

- *Schwere Ausführung, hohe Haltekräfte*
- *Verwendbar mit Standard Metall C-Schienen*
- *Schnappverschluss für einfachste Vor- und Endmontage*
- *Dank abgerundeter Kanten optimal geeignet für den Einsatz in dynamischen Anwendungen*
- *Folgende Nennweiten sind untereinander stapelbar: NW 12 mit NW 17 + 23, NW 17 mit NW 23, NW 29 mit NW 36, NW 48 mit NW 56*
- *Lieferumfang: Systemhalter und 2 Schrauben zur Fixierung des Schnappverschlusses (optional); ohne Befestigungszubehör*

**GP System support, stackable / Systemhalter, stapelbar**

- In railway vehicle construction, heavy machine building industry and other applications with increased mechanical requirements
- *Im Schienenfahrzeug- und schweren Maschinenbau sowie anderen Anwendungen mit erhöhten mechanischen Anforderungen*

Dimensions / Dimensionen in mm

| Order no.<br>fine profile         | Order no.<br>coarse profile       | Fits to conduit size         |                 | Width         | Height      | Depth        |
|-----------------------------------|-----------------------------------|------------------------------|-----------------|---------------|-------------|--------------|
|                                   |                                   | NW                           | metric          |               |             |              |
| <i>Bestell-Nr.<br/>Feinprofil</i> | <i>Bestell-Nr.<br/>Grobprofil</i> | <i>Passend zu Rohrgrösse</i> |                 | <i>Breite</i> | <i>Höhe</i> | <i>Tiefe</i> |
|                                   |                                   | <i>NW</i>                    | <i>metrisch</i> |               |             |              |
| <b>*GP-16T</b>                    | <b>*GP-16G</b>                    | 17                           | 20              | 47.5          | 66.0        | 36.0         |
| <b>*GP-21T</b>                    | <b>*GP-21G</b>                    | 23                           | 25              | 47.5          | 66.0        | 36.0         |
| <b>*GP-29T</b>                    | <b>*GP-29G</b>                    | 29                           | 32              | 61.5          | 66.0        | 36.0         |
| <b>*GP-36T</b>                    | <b>*GP-36G</b>                    | 36                           | 40              | 61.5          | 66.0        | 36.0         |
| <b>*GP-48T</b>                    | <b>*GP-48G</b>                    | 48                           | 50              | 76.0          | 66.0        | 36.0         |
| –                                 | <b>*GP-56G</b>                    | 56                           | 68              | 87.0          | 78.0        | 36.0         |

\* = Replace with "B" to order black or "S" to order grey. / Ersetzen Sie "B" für schwarz oder "S" für grau.



- Variable stacking possibilities, due to the "Block"-system a high rigidity is guaranteed
- Fixes conduit against axial movements
- Allows radial turning of conduit
- Especially suitable for dyn. applic. due to rounded edges
- Variety of support possibilities
- Content of delivery: System support with assembling screws; without mounting accessories

- *Beliebige Stapelvarianten möglich mit hoher "Block"-Steifigkeit*
- *Fixiert das Rohr gegen Axialbewegungen*
- *Erlaubt radiale Rohrbewegungen*
- *Dank abgerundeter Kanten speziell geeignet für den Einsatz in dynamischen Anwendungen*
- *Verschiedene Befestigungsmöglichkeiten*
- *Lieferumfang: Systemhalter mit Verbindungsschrauben; ohne Befestigungszubehör*

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**RKS Conduit terminal sleeve / Wellrohr-Endtülle**

- For clean conduit end termination where no fitting is required
- Zum sauberen Wellrohr-Endabschluss wo keine Verschraubung benötigt wird

Dimensions / Dimensionen in mm

| Order no.<br>black     | Fits to conduit size<br>NW metric |    | Inside<br>Ø | Outside<br>Ø | Length |
|------------------------|-----------------------------------|----|-------------|--------------|--------|
| Bestell-Nr.<br>schwarz | Passend zu Rohrgr.<br>NW metrisch |    | Innen-<br>Ø | Aussen-<br>Ø | Länge  |
| RKS-07                 | 07                                | 10 | 4.5         | 12.5         | 16.0   |
| RKS-10                 | 10                                | 12 | 8.0         | 15.5         | 16.0   |
| RKS-12                 | 12                                | 16 | 10.0        | 19.0         | 20.0   |
| RKS-17                 | 17                                | 20 | 13.0        | 24.0         | 21.0   |
| RKS-23                 | 23                                | 25 | 20.0        | 32.0         | 22.0   |
| RKS-29                 | 29                                | 32 | 25.0        | 38.0         | 22.0   |
| RKS-36                 | 36                                | 40 | 33.0        | 46.0         | 25.0   |
| RKS-48                 | 48                                | 50 | 45.0        | 58.0         | 25.0   |
| RKS-56                 | 56                                | 68 | 54.0        | 71.0         | 28.0   |



**CT Conduit termination / Wellrohr-Endabschlusshülse**

- For sealing of cables and wires at the exit from PMA corrugated conduits
- Avoids ingress of dirt and liquids
- Can be fixed additionally with cable ties
- Zur Abdichtung von Kabeln und Leitungen beim Austritt aus PMA-Wellrohren
- Verhindert das Eindringen von Schmutz und Flüssigkeiten
- Kann mit Kabelbinder zusätzlich fixiert werden

Dimensions / Dimensionen in mm

| Order no.<br>black     | Fits to conduit size<br>NW metric |    | Clamping<br>range | Length | Height |
|------------------------|-----------------------------------|----|-------------------|--------|--------|
| Bestell-Nr.<br>schwarz | Passend zu Rohrgr.<br>NW metrisch |    | Klemm-<br>bereich | Länge  | Höhe   |
| BCT-10                 | 10                                | 12 | 4 – 8             | 28.0   | 13.0   |
| BCT-12                 | 12                                | 16 | 5 – 9             | 35.0   | 16.0   |
| BCT-17                 | 17                                | 20 | 7 – 14            | 42.0   | 21.0   |
| BCT-23                 | 23                                | 25 | 14 – 22           | 51.0   | 28.0   |
| BCT-29                 | 29                                | 32 | 16 – 22           | 53.0   | 34.0   |
| BCT-36                 | 36                                | 40 | 16 – 29           | 55.0   | 42.0   |

- Neoprene rubber
- Temperature range: -30 °C to +120 °C

- Neoprenkautschuk
- Temperaturbereich: -30 °C bis +120 °C

**SS/SV Abrasion protection sleeve / *Scheuerschutz-Muffe***

- Abrasion protection for corrugated conduits in positions exposed to chafing
- Increases the life time of moving conduits
- *Als Scheuerschutz für Wellrohre an besonders abriebgefährdeten Stellen*
- *Erhöht die Lebensdauer stark bewegter Wellrohre*

**Dimensions / *Dimensionen* in mm**

| Order no.<br>black             | Fits to conduit size                      |        | Outside<br>Ø         | Length       |
|--------------------------------|---|--------|----------------------|--------------|
|                                | NW  | metric |                      |              |
| <i>Bestell-Nr.<br/>schwarz</i> | <i>Passend zu Rohrgr.<br/>NW metrisch</i> |        | <i>Aussen-<br/>Ø</i> | <i>Länge</i> |
| BSS-17                         | 17  | 20     | 42.0                 | 22.0         |
| BSS-23                         | 23  | 25     | 49.0                 | 26.0         |
| BSS-29                         | 29  | 32     | 55.0                 | 26.0         |
| BSS-36                         | 36  | 40     | 63.0                 | 30.0         |
| BSS-48                         | 48  | 50     | 75.0                 | 30.0         |
| BSS-56G                        | 56  | 68     | 90.0                 | 33.0         |
| BSV-70G                        | 70  | 80     | 108.0                | 60.0         |

**EWZ Draw-in tool / *Einzugswerkzeug***

- Suitable for drawing in cables or wires into PMA Divisible System conduits or other slit conduits
- Designed in a handy shape and are equipped with a practical hand grip for wedging or with hole for direct holding of the wires
- *Geeignet für das Einziehen von einzelnen oder mehreren Kabeln/Litzen in geschlitzte Wellrohre oder in Wellrohre des teilbaren PMA-Systems*
- *Liegt gut in der Hand und ist mit einem praktischen Haltegriff zum Klemmen oder mit Loch zum direkten Halten der Leitungen ausgerüstet*

**Dimensions / *Dimensionen* in mm**

| Order no.<br>black with hole            | Order no.<br>black with handle           | Fits to<br>conduit size NW          | Width x Length x Depth        |
|---|--|-------------------------------------|-------------------------------|
| <i>Bestell-Nr.<br/>schwarz mit Loch</i> | <i>Bestell-Nr.<br/>schwarz mit Griff</i> | <i>passend zu<br/>Rohrgrösse NW</i> | <i>Breite x Länge x Tiefe</i> |
| EWZ-02                                  | EWZ-03                                   | 7.5 – 34                            | 117.7 x 45.2 x 71.9           |



- Polyamide 6.6
- Colour: black
- *Polyamid 6.6*
- *Farbe: schwarz*

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- Metal
- Colour: Red

- Metall
- Farbe: Rot

**PMACUT** Cutting tool for conduits, NW 07 – 48  
Wellrohr-Schneidewerkzeug, NW 07 – 48

- Can be used to cut all PMA conduits
- Enables a precise and straight cut around the corrugation
- Geeignet zum Schneiden von PMA-Wellrohren
- Ermöglicht einen exakten, geraden und sicheren Schnitt um die Wellung

| Order no.<br>Cutting tool       | Order no.<br>Spare blade    | Cutting range   | For conduit size<br>NW |
|---------------------------------|-----------------------------|-----------------|------------------------|
| Bestell-Nr.<br>Schneidewerkzeug | Bestell-Nr.<br>Ersatzklinge | Schneidebereich | Für Rohrgrösse<br>NW   |
| PMACUT-38                       | FP-38                       | 0 – 38 mm       | 07 – 29                |
| PMACUT-52                       | FP-52                       | 0 – 52 mm       | 23 – 48                |



- Aluminium
- Aluminium

**PMACUT** Cutting tool for conduits, NW 56 – 125  
Wellrohr-Schneidewerkzeug, NW 56 – 125

- Can be used to cut all PMA conduits with large nominal widths
- Enables a precise and straight cut at the top of the corrugation
- High level of safety through retractable blade
- Geeignet zum Schneiden von PMA-Wellrohren mit grossen Nennweiten
- Ermöglicht einen exakten, geraden und sicheren Schnitt am Wellenberg
- Hohe Arbeitssicherheit durch versenkbare Klinge

| Order no.<br>Cutting tool       | For conduit size     |          | Dimensions / Dimensionen in mm |
|---------------------------------|----------------------|----------|--------------------------------|
|                                 | NW                   | metric   | Length x Width x Depth         |
| Bestell-Nr.<br>Schneidewerkzeug | Für Rohrgrösse<br>NW | metrisch | Länge x Breite x Tiefe         |
| PMACUT-NW56                     | 56                   | 68       | 337 x 101 x 15                 |
| PMACUT-NW70                     | 70                   | 80       | 350 x 110 x 15                 |
| PMACUT-NW95                     | 95                   | 106      | 400 x 142 x 20                 |
| PMACUT-NW125                    | 125                  | 146      | 443 x 182 x 20                 |