

# AGRO Cable Glands Progress<sup>®</sup>

## GFK increased safety EX e II

플라스틱 방폭 Ex 케이블 그랜드

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# AGRO Kabelverschraubungen Progress® Kunststoff GFK erhöhte Sicherheit Ex e II

## AGRO synthetic cable glands Progress® GFK increased safety Ex e II

### Anschlussgewinde metrisch | Entry thread metric

|                    |                                                         |                        |                                                         |
|--------------------|---------------------------------------------------------|------------------------|---------------------------------------------------------|
| Material:          | Polyamid glasfaserverstärkt                             | Material:              | Polyamide glass fiber reinforced                        |
| Eigenschaften:     | halogenfrei                                             | Properties:            | halogen-free                                            |
| Dichtung:          | TPE / NBR                                               | Seal:                  | TPE / NBR                                               |
| Schutzart:         | IP 66 / IP 68                                           | Protection class:      | IP 66 / IP 68                                           |
| Prüfnorm:          | IEC EN 60079-0 /<br>IEC EN 60079-7 /<br>IEC EN 60079-31 | Test standard:         | IEC EN 60079-0 /<br>IEC EN 60079-7 /<br>IEC EN 60079-31 |
| Gas:               | II 2G Ex eb IIC Gb                                      | Gas:                   | II 2G Ex eb IIC Gb                                      |
| Staub:             | II 2D Ex tb IIIC Db                                     | Dust:                  | II 2D Ex tb IIIC Db                                     |
| Zone:              | Gas 1 und 2 /<br>Staub 21 und 22                        | Zone:                  | Gas 1 and 2 /<br>dust 21 and 22                         |
| Zertifikat:        | SEV 15 ATEX 0152X                                       | Certificate:           | SEV 15 ATEX 0152X                                       |
| IECEx Zertifikat:  | IECEx SEV 15.0019X                                      | IECEx Certificate:     | IECEx SEV 15.0019X                                      |
| Einsatztemperatur: | -20 °C / +85 °C                                         | Operation temperature: | -20 °C / +85 °C                                         |



Hellgrau RAL 7035  
Einteiliger Dichteinsatz

Light grey RAL 7035  
One-piece sealing insert

| G       | > Ø <  | > Ø <  | mm | H  | L  | i    | Art.-No.      |    |
|---------|--------|--------|----|----|----|------|---------------|----|
|         | min mm | max mm |    | mm | mm | info |               |    |
| M16x1.5 | 4.5    | 6.0    | 21 | 26 | 12 | -    | EX1571.17.060 | 50 |
| M16x1.5 | 6.0    | 8.0    | 21 | 26 | 12 | -    | EX1571.17.080 | 50 |
| M20x1.5 | 6.0    | 8.0    | 27 | 28 | 13 | -    | EX1571.20.080 | 50 |
| M20x1.5 | 8.0    | 11.0   | 27 | 28 | 13 | -    | EX1571.20.110 | 50 |
| M25x1.5 | 9.5    | 12.5   | 34 | 33 | 13 | -    | EX1571.25.125 | 25 |
| M25x1.5 | 12.5   | 16.0   | 34 | 33 | 13 | -    | EX1571.25.160 | 25 |
| M25x1.5 | 16.0   | 19.0   | 34 | 33 | 13 | -    | EX1571.25.190 | 25 |
| M25x1.5 | 19.0   | 20.5   | 34 | 33 | 13 | -    | EX1571.25.205 | 25 |
| M32x1.5 | 20.0   | 21.0   | 41 | 35 | 15 | -    | EX1571.32.210 | 25 |
| M32x1.5 | 21.0   | 22.0   | 41 | 35 | 15 | 3    | EX1571.32.220 | 25 |
| M32x1.5 | 22.0   | 23.0   | 41 | 35 | 15 | 3    | EX1571.32.230 | 25 |
| M32x1.5 | 23.0   | 25.5   | 41 | 35 | 15 | -    | EX1571.32.255 | 25 |
| M40x1.5 | 25.5   | 27.0   | 50 | 40 | 15 | 3    | EX1571.40.270 | 10 |
| M40x1.5 | 27.0   | 28.5   | 50 | 40 | 15 | -    | EX1571.40.285 | 10 |
| M40x1.5 | 28.5   | 30.0   | 50 | 40 | 15 | 3    | EX1571.40.300 | 10 |
| M40x1.5 | 30.0   | 33.0   | 50 | 40 | 15 | -    | EX1571.40.330 | 10 |
| M50x1.5 | 33.0   | 35.0   | 60 | 42 | 16 | 3    | EX1571.50.350 | 10 |
| M50x1.5 | 35.0   | 37.0   | 60 | 42 | 16 | -    | EX1571.50.370 | 10 |
| M50x1.5 | 37.0   | 39.0   | 60 | 42 | 16 | 3    | EX1571.50.390 | 10 |
| M50x1.5 | 39.0   | 42.0   | 60 | 42 | 16 | -    | EX1571.50.420 | 10 |
| M63x1.5 | 42.0   | 44.0   | 75 | 48 | 16 | 3    | EX1571.63.440 | 5  |
| M63x1.5 | 44.0   | 46.0   | 75 | 48 | 16 | -    | EX1571.63.460 | 5  |
| M63x1.5 | 46.0   | 48.0   | 75 | 48 | 16 | 3    | EX1571.63.480 | 5  |
| M63x1.5 | 48.0   | 52.0   | 75 | 48 | 16 | -    | EX1571.63.520 | 5  |

3 = Material Dichteinsatz NBR

3 = Material sealing insert NBR



Progress GFK EX



# AGRO Kabelverschraubungen Progress® Kunststoff GFK erhöhte Sicherheit Ex e II

## AGRO synthetic cable glands Progress® GFK increased safety Ex e II

### Anschlussgewinde metrisch | Entry thread metric



Material: Polyamid glasfaserverstärkt

Eigenschaften: halogenfrei

Dichtung: TPE / NBR

Schutzart: IP 66 / IP 68

Prüfnorm: IEC EN 60079-0 / IEC EN 60079-7 / IEC EN 60079-31

Gas: II 2G Ex eb IIC Gb

Staub: II 2D Ex tb IIIC Db

Zone: Gas 1 und 2 / Staub 21 und 22

Zertifikat: SEV 15 ATEX 0152X

IECEx Zertifikat: IECEx SEV 15.0019X

Einsatztemperatur: -20 °C / +85 °C

Material: Polyamide glass fiber reinforced

Properties: halogen-free

Seal: TPE / NBR

Protection class: IP 66 / IP 68

Test standard: IEC EN 60079-0 / IEC EN 60079-7 / IEC EN 60079-31

Gas: II 2G Ex eb IIC Gb

Dust: II 2D Ex tb IIIC Db

Zone: Gas 1 and 2 / dust 21 and 22

Certificate: SEV 15 ATEX 0152X

IECEx Certificate: IECEx SEV 15.0019X

Operation temperature: -20 °C / +85 °C



Progress GFK EX



Schwarz RAL 9005  
Einteiliger Dichteinsatz

Black RAL 9005  
One-piece sealing insert

| G       | >Ø<<br>min mm | >Ø<<br>max mm | mm | H<br>mm | L<br>mm | i<br>info | Art.-No.      |    |
|---------|---------------|---------------|----|---------|---------|-----------|---------------|----|
| M16x1.5 | 4.5           | 6.0           | 21 | 26      | 12      | -         | EX1540.17.060 | 50 |
| M16x1.5 | 6.0           | 8.0           | 21 | 26      | 12      | -         | EX1540.17.080 | 50 |
| M20x1.5 | 6.0           | 8.0           | 27 | 28      | 13      | -         | EX1540.20.080 | 50 |
| M20x1.5 | 8.0           | 11.0          | 27 | 28      | 13      | -         | EX1540.20.110 | 50 |
| M25x1.5 | 9.5           | 12.5          | 34 | 33      | 13      | -         | EX1540.25.125 | 25 |
| M25x1.5 | 12.5          | 16.0          | 34 | 33      | 13      | -         | EX1540.25.160 | 25 |
| M25x1.5 | 16.0          | 19.0          | 34 | 33      | 13      | -         | EX1540.25.190 | 25 |
| M25x1.5 | 19.0          | 20.5          | 34 | 33      | 13      | -         | EX1540.25.205 | 25 |
| M32x1.5 | 20.0          | 21.0          | 41 | 35      | 15      | -         | EX1540.32.210 | 25 |
| M32x1.5 | 21.0          | 22.0          | 41 | 35      | 15      | 3         | EX1540.32.220 | 25 |
| M32x1.5 | 22.0          | 23.0          | 41 | 35      | 15      | 3         | EX1540.32.230 | 25 |
| M32x1.5 | 23.0          | 25.5          | 41 | 35      | 15      | -         | EX1540.32.255 | 25 |
| M40x1.5 | 25.5          | 27.0          | 50 | 40      | 15      | 3         | EX1540.40.270 | 10 |
| M40x1.5 | 27.0          | 28.5          | 50 | 40      | 15      | -         | EX1540.40.285 | 10 |
| M40x1.5 | 28.5          | 30.0          | 50 | 40      | 15      | 3         | EX1540.40.300 | 10 |
| M40x1.5 | 30.0          | 33.0          | 50 | 40      | 15      | -         | EX1540.40.330 | 10 |
| M50x1.5 | 33.0          | 35.0          | 60 | 42      | 16      | 3         | EX1540.50.350 | 10 |
| M50x1.5 | 35.0          | 37.0          | 60 | 42      | 16      | -         | EX1540.50.370 | 10 |
| M50x1.5 | 37.0          | 39.0          | 60 | 42      | 16      | 3         | EX1540.50.390 | 10 |
| M50x1.5 | 39.0          | 42.0          | 60 | 42      | 16      | -         | EX1540.50.420 | 10 |
| M63x1.5 | 42.0          | 44.0          | 75 | 48      | 16      | 3         | EX1540.63.440 | 5  |
| M63x1.5 | 44.0          | 46.0          | 75 | 48      | 16      | -         | EX1540.63.460 | 5  |
| M63x1.5 | 46.0          | 48.0          | 75 | 48      | 16      | 3         | EX1540.63.480 | 5  |
| M63x1.5 | 48.0          | 52.0          | 75 | 48      | 16      | -         | EX1540.63.520 | 5  |

3 = Material Dichteinsatz NBR

3 = Material sealing insert NBR

# AGRO Kabelverschraubungen Progress® Kunststoff GFK erhöhte Sicherheit Ex e II

## AGRO synthetic cable glands Progress® GFK increased safety Ex e II

### Anschlussgewinde Pg | Entry thread Pg

|                    |                                                         |                        |                                                         |
|--------------------|---------------------------------------------------------|------------------------|---------------------------------------------------------|
| Material:          | Polyamid glasfaserverstärkt                             | Material:              | Polyamide glass fiber reinforced                        |
| Eigenschaften:     | halogenfrei                                             | Properties:            | halogen-free                                            |
| Dichtung:          | TPE / NBR                                               | Seal:                  | TPE / NBR                                               |
| Schutzart:         | IP 66 / IP 68                                           | Protection class:      | IP 66 / IP 68                                           |
| Prüfnorm:          | IEC EN 60079-0 /<br>IEC EN 60079-7 /<br>IEC EN 60079-31 | Test standard:         | IEC EN 60079-0 /<br>IEC EN 60079-7 /<br>IEC EN 60079-31 |
| Gas:               | II 2G Ex eb IIC Gb                                      | Gas:                   | II 2G Ex eb IIC Gb                                      |
| Staub:             | II 2D Ex tb IIIC Db                                     | Dust:                  | II 2D Ex tb IIIC Db                                     |
| Zone:              | Gas 1 und 2 /<br>Staub 21 und 22                        | Zone:                  | Gas 1 and 2 /<br>dust 21 and 22                         |
| Zertifikat:        | SEV 15 ATEX 0152X                                       | Certificate:           | SEV 15 ATEX 0152X                                       |
| IECEx Zertifikat:  | IECEx SEV 15.0019X                                      | IECEx Certificate:     | IECEx SEV 15.0019X                                      |
| Einsatztemperatur: | -20 °C / +85 °C                                         | Operation temperature: | -20 °C / +85 °C                                         |



Hellgrau RAL 7035  
Einteiliger Dichteinsatz

Light grey RAL 7035  
One-piece sealing insert

**G**  $\begin{matrix} > \text{Ø} < \\ \text{min mm} & \text{max mm} \end{matrix}$   $\begin{matrix} \text{H} \\ \text{mm} \end{matrix}$  **L**  $\begin{matrix} \text{mm} \\ \text{info} \end{matrix}$

|              |      |      |    |    |    |   | Art.-No.             |    |
|--------------|------|------|----|----|----|---|----------------------|----|
| <b>Pg 9</b>  | 4.5  | 6.0  | 21 | 26 | 12 | - | <b>EX1571.09.060</b> | 50 |
| <b>Pg 9</b>  | 6.0  | 8.0  | 21 | 26 | 12 | - | <b>EX1571.09.080</b> | 50 |
| <b>Pg 11</b> | 4.0  | 5.5  | 24 | 28 | 12 | - | <b>EX1571.11.055</b> | 50 |
| <b>Pg 11</b> | 5.5  | 8.5  | 24 | 28 | 12 | - | <b>EX1571.11.085</b> | 50 |
| <b>Pg 13</b> | 6.0  | 8.0  | 27 | 28 | 13 | - | <b>EX1571.13.080</b> | 50 |
| <b>Pg 13</b> | 8.0  | 11.0 | 27 | 28 | 13 | - | <b>EX1571.13.110</b> | 50 |
| <b>Pg 16</b> | 6.0  | 8.0  | 27 | 28 | 13 | - | <b>EX1571.16.080</b> | 50 |
| <b>Pg 16</b> | 8.0  | 11.0 | 27 | 28 | 13 | - | <b>EX1571.16.110</b> | 50 |
| <b>Pg 21</b> | 9.5  | 12.5 | 34 | 33 | 13 | - | <b>EX1571.21.125</b> | 25 |
| <b>Pg 21</b> | 12.5 | 16.0 | 34 | 33 | 13 | - | <b>EX1571.21.160</b> | 25 |
| <b>Pg 21</b> | 16.0 | 19.0 | 34 | 33 | 13 | - | <b>EX1571.21.190</b> | 25 |
| <b>Pg 21</b> | 19.0 | 20.5 | 34 | 33 | 13 | - | <b>EX1571.21.205</b> | 25 |
| <b>Pg 29</b> | 19.5 | 21.0 | 41 | 36 | 13 | 3 | <b>EX1571.29.210</b> | 25 |
| <b>Pg 29</b> | 21.0 | 23.0 | 41 | 36 | 13 | - | <b>EX1571.29.230</b> | 25 |
| <b>Pg 29</b> | 23.0 | 25.0 | 41 | 36 | 13 | 3 | <b>EX1571.29.250</b> | 25 |
| <b>Pg 29</b> | 25.0 | 27.5 | 41 | 36 | 13 | - | <b>EX1571.29.275</b> | 25 |
| <b>Pg 36</b> | 27.0 | 28.5 | 55 | 42 | 16 | 3 | <b>EX1571.36.285</b> | 10 |
| <b>Pg 36</b> | 28.5 | 30.5 | 55 | 42 | 16 | - | <b>EX1571.36.305</b> | 10 |
| <b>Pg 36</b> | 30.5 | 32.5 | 55 | 42 | 16 | 3 | <b>EX1571.36.325</b> | 10 |
| <b>Pg 36</b> | 32.5 | 35.0 | 55 | 42 | 16 | - | <b>EX1571.36.350</b> | 10 |
| <b>Pg 42</b> | 33.0 | 35.0 | 60 | 42 | 16 | 3 | <b>EX1571.42.350</b> | 10 |
| <b>Pg 42</b> | 35.0 | 37.0 | 60 | 42 | 16 | - | <b>EX1571.42.370</b> | 10 |
| <b>Pg 42</b> | 37.0 | 39.0 | 60 | 42 | 16 | 3 | <b>EX1571.42.390</b> | 10 |
| <b>Pg 42</b> | 39.0 | 42.0 | 60 | 42 | 16 | - | <b>EX1571.42.420</b> | 10 |
| <b>Pg 48</b> | 41.0 | 43.0 | 70 | 46 | 16 | - | <b>EX1571.48.430</b> | 5  |
| <b>Pg 48</b> | 43.0 | 45.0 | 70 | 46 | 16 | 3 | <b>EX1571.48.450</b> | 5  |
| <b>Pg 48</b> | 45.0 | 47.0 | 70 | 46 | 16 | 3 | <b>EX1571.48.470</b> | 5  |
| <b>Pg 48</b> | 47.0 | 49.0 | 70 | 46 | 16 | - | <b>EX1571.48.490</b> | 5  |

3 = Material Dichteinsatz NBR

3 = Material sealing insert NBR



Progress GFK EX



# AGRO Kabelverschraubungen Progress® Kunststoff GFK erhöhte Sicherheit Ex e II

## AGRO synthetic cable glands Progress® GFK increased safety Ex e II

### Anschlussgewinde Pg | Entry thread Pg



Material: Polyamid glasfaserverstärkt

Eigenschaften: halogenfrei

Dichtung: TPE / NBR

Schutzart: IP 66 / IP 68

Prüfnorm: IEC EN 60079-0 / IEC EN 60079-7 / IEC EN 60079-31

Gas: II 2G Ex eb IIC Gb

Staub: II 2D Ex tb IIIC Db

Zone: Gas 1 und 2 / Staub 21 und 22

Zertifikat: SEV 15 ATEX 0152X

IECEx Zertifikat: IECEx SEV 15.0019X

Einsatztemperatur: -20 °C / +85 °C

Material: Polyamide glass fiber reinforced

Properties: halogen-free

Seal: TPE / NBR

Protection class: IP 66 / IP 68

Test standard: IEC EN 60079-0 / IEC EN 60079-7 / IEC EN 60079-31

Gas: II 2G Ex eb IIC Gb

Dust: II 2D Ex tb IIIC Db

Zone: Gas 1 and 2 / dust 21 and 22

Certificate: SEV 15 ATEX 0152X

IECEx Certificate: IECEx SEV 15.0019X

Operation temperature: -20 °C / +85 °C



Progress GFK EX



Schwarz RAL 9005  
Einteiliger Dichteinsatz

Black RAL 9005  
One-piece sealing insert

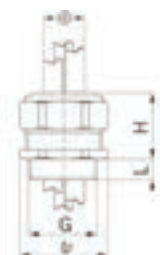
| G     | > Ø <<br>min mm | > Ø <<br>max mm | mm | H<br>mm | L<br>mm | i<br>info | Art.-No.      |    |
|-------|-----------------|-----------------|----|---------|---------|-----------|---------------|----|
| Pg 9  | 4.5             | 6.0             | 21 | 26      | 12      | -         | EX1540.09.060 | 50 |
| Pg 9  | 6.0             | 8.0             | 21 | 26      | 12      | -         | EX1540.09.080 | 50 |
| Pg 11 | 4.0             | 5.5             | 24 | 28      | 12      | -         | EX1540.11.055 | 50 |
| Pg 11 | 5.5             | 8.5             | 24 | 28      | 12      | -         | EX1540.11.085 | 50 |
| Pg 13 | 6.0             | 8.0             | 27 | 28      | 13      | -         | EX1540.13.080 | 50 |
| Pg 13 | 8.0             | 11.0            | 27 | 28      | 13      | -         | EX1540.13.110 | 50 |
| Pg 16 | 6.0             | 8.0             | 27 | 28      | 13      | -         | EX1540.16.080 | 50 |
| Pg 16 | 8.0             | 11.0            | 27 | 28      | 13      | -         | EX1540.16.110 | 50 |
| Pg 21 | 9.5             | 12.5            | 34 | 33      | 13      | -         | EX1540.21.125 | 25 |
| Pg 21 | 12.5            | 16.0            | 34 | 33      | 13      | -         | EX1540.21.160 | 25 |
| Pg 21 | 16.0            | 19.0            | 34 | 33      | 13      | -         | EX1540.21.190 | 25 |
| Pg 21 | 19.0            | 20.5            | 34 | 33      | 13      | -         | EX1540.21.205 | 25 |
| Pg 29 | 19.5            | 21.0            | 41 | 36      | 13      | 3         | EX1540.29.210 | 25 |
| Pg 29 | 21.0            | 23.0            | 41 | 36      | 13      | -         | EX1540.29.230 | 25 |
| Pg 29 | 23.0            | 25.0            | 41 | 36      | 13      | 3         | EX1540.29.250 | 25 |
| Pg 29 | 25.0            | 27.5            | 41 | 36      | 13      | -         | EX1540.29.275 | 25 |
| Pg 36 | 27.0            | 28.5            | 55 | 42      | 16      | 3         | EX1540.36.285 | 10 |
| Pg 36 | 28.5            | 30.5            | 55 | 42      | 16      | -         | EX1540.36.305 | 10 |
| Pg 36 | 30.5            | 32.5            | 55 | 42      | 16      | 3         | EX1540.36.325 | 10 |
| Pg 36 | 32.5            | 35.0            | 55 | 42      | 16      | -         | EX1540.36.350 | 10 |
| Pg 42 | 33.0            | 35.0            | 60 | 42      | 16      | 3         | EX1540.42.350 | 10 |
| Pg 42 | 35.0            | 37.0            | 60 | 42      | 16      | -         | EX1540.42.370 | 10 |
| Pg 42 | 37.0            | 39.0            | 60 | 42      | 16      | 3         | EX1540.42.390 | 10 |
| Pg 42 | 39.0            | 42.0            | 60 | 42      | 16      | -         | EX1540.42.420 | 10 |
| Pg 48 | 41.0            | 43.0            | 70 | 46      | 16      | -         | EX1540.48.430 | 5  |
| Pg 48 | 43.0            | 45.0            | 70 | 46      | 16      | 3         | EX1540.48.450 | 5  |
| Pg 48 | 45.0            | 47.0            | 70 | 46      | 16      | 3         | EX1540.48.470 | 5  |
| Pg 48 | 47.0            | 49.0            | 70 | 46      | 16      | -         | EX1540.48.490 | 5  |

3 = Material Dichteinsatz NBR

3 = Material sealing insert NBR

**Anschlussgewinde metrisch | Entry thread metric**

|                    |                                                         |                        |                                                         |
|--------------------|---------------------------------------------------------|------------------------|---------------------------------------------------------|
| Material:          | Polyamid glasfaserverstärkt                             | Material:              | Polyamide glass fiber reinforced                        |
| Eigenschaften:     | halogenfrei                                             | Properties:            | halogen-free                                            |
| Dichtung:          | TPE / NBR                                               | Seal:                  | TPE / NBR                                               |
| Schutzart:         | IP 66 / IP 68                                           | Protection class:      | IP 66 / IP 68                                           |
| Prüfnorm:          | IEC EN 60079-0 /<br>IEC EN 60079-7 /<br>IEC EN 60079-31 | Test standard:         | IEC EN 60079-0 /<br>IEC EN 60079-7 /<br>IEC EN 60079-31 |
| Gas:               | II 2G Ex eb IIC Gb                                      | Gas:                   | II 2G Ex eb IIC Gb                                      |
| Staub:             | II 2D Ex tb IIIC Db                                     | Dust:                  | II 2D Ex tb IIIC Db                                     |
| Zone:              | Gas 1 und 2 /<br>Staub 21 und 22                        | Zone:                  | Gas 1 and 2 /<br>dust 21 and 22                         |
| Zertifikat:        | SEV 15 ATEX 0152X                                       | Certificate:           | SEV 15 ATEX 0152X                                       |
| IECEx Zertifikat:  | IECEx SEV 15.0019X                                      | IECEx Certificate:     | IECEx SEV 15.0019X                                      |
| Einsatztemperatur: | -20 °C / +85 °C                                         | Operation temperature: | -20 °C / +85 °C                                         |



Hellgrau RAL 7035  
Einteiliger Dichteinsatz

Light grey RAL 7035  
One-piece sealing insert

| G       | >101<<br>min mm | >101<<br>max mm |   |    | H<br>mm | L<br>mm | i<br>info |
|---------|-----------------|-----------------|---|----|---------|---------|-----------|
| M16x1.5 | 1.0             | 1.5             | 4 | 21 | 26      | 12      | 3         |
| M16x1.5 | 2.0             | 3.0             | 2 | 21 | 26      | 12      | -         |
| M20x1.5 | 2.5             | 3.0             | 6 | 27 | 28      | 13      | -         |
| M20x1.5 | 3.5             | 5.0             | 2 | 27 | 28      | 13      | -         |
| M25x1.5 | 5.0             | 6.0             | 6 | 34 | 33      | 13      | -         |
| M25x1.5 | 5.5             | 7.0             | 4 | 34 | 33      | 13      | -         |
| M25x1.5 | 7.5             | 9.0             | 3 | 34 | 33      | 13      | -         |
| M25x1.5 | 8.0             | 10.0            | 2 | 34 | 33      | 13      | -         |
| M32x1.5 | 6.0             | 7.0             | 6 | 41 | 35      | 15      | -         |
| M32x1.5 | 7.5             | 9.0             | 4 | 41 | 35      | 15      | -         |
| M40x1.5 | 8.0             | 9.0             | 7 | 50 | 40      | 15      | 3         |
| M40x1.5 | 14.0            | 15.0            | 2 | 50 | 40      | 15      | 3         |
| M50x1.5 | 9.0             | 10.0            | 4 | 60 | 42      | 16      | 3         |
| M63x1.5 | 11.0            | 12.0            | 6 | 75 | 48      | 16      | 3         |
| M63x1.5 | 17.0            | 18.0            | 3 | 75 | 48      | 16      | 3         |

Art.-No.

3 = Material Dichteinsatz NBR

3 = Material sealing insert NBR

Passende Verschlussbolzen siehe Zubehör

Suitable locking pins see accessories



**Progress GFK  
Multi EX**



Schwarz RAL 9005  
Einteiliger Dichteinsatz

Black RAL 9005  
One-piece sealing insert

| G       | >101<<br>min mm | >101<<br>max mm |   |    | H<br>mm | L<br>mm | i<br>info |
|---------|-----------------|-----------------|---|----|---------|---------|-----------|
| M16x1.5 | 1.0             | 1.5             | 4 | 21 | 26      | 12      | 3         |
| M16x1.5 | 2.0             | 3.0             | 2 | 21 | 26      | 12      | -         |
| M20x1.5 | 2.5             | 3.0             | 6 | 27 | 28      | 13      | -         |
| M20x1.5 | 3.5             | 5.0             | 2 | 27 | 28      | 13      | -         |
| M25x1.5 | 5.0             | 6.0             | 6 | 34 | 33      | 13      | -         |
| M25x1.5 | 5.5             | 7.0             | 4 | 34 | 33      | 13      | -         |
| M25x1.5 | 7.5             | 9.0             | 3 | 34 | 33      | 13      | -         |
| M25x1.5 | 8.0             | 10.0            | 2 | 34 | 33      | 13      | -         |
| M32x1.5 | 6.0             | 7.0             | 6 | 41 | 33      | 13      | -         |
| M32x1.5 | 7.5             | 9.0             | 4 | 41 | 35      | 15      | -         |
| M40x1.5 | 8.0             | 9.0             | 7 | 50 | 40      | 15      | 3         |
| M40x1.5 | 14.0            | 15.0            | 2 | 50 | 40      | 15      | 3         |
| M50x1.5 | 9.0             | 10.0            | 4 | 60 | 42      | 16      | 3         |
| M63x1.5 | 11.0            | 12.0            | 6 | 75 | 48      | 16      | 3         |
| M63x1.5 | 17.0            | 18.0            | 3 | 75 | 48      | 16      | 3         |

Art.-No.

3 = Material Dichteinsatz NBR

3 = Material sealing insert NBR

Passende Verschlussbolzen siehe Zubehör

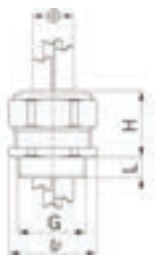
Suitable locking pins see accessories



**Progress GFK  
Multi EX**



## Anschlussgewinde Pg | Entry thread Pg



Material: Polyamid glasfaserverstärkt  
 Eigenschaften: halogenfrei  
 Dichtung: TPE / NBR  
 Schutzart: IP 66 / IP 68  
 Prüfnorm: IEC EN 60079-0 / IEC EN 60079-7 / IEC EN 60079-31  
 Gas: II 2G Ex eb IIC Gb  
 Staub: II 2D Ex tb IIIC Db  
 Zone: Gas 1 und 2 / Staub 21 und 22  
 Zertifikat: SEV 15 ATEX 0152X  
 IECEx Zertifikat: IECEx SEV 15.0019X  
 Einsatztemperatur: -20 °C / +85 °C

Material: Polyamide glass fiber reinforced  
 Properties: halogen-free  
 Seal: TPE / NBR  
 Protection class: IP 66 / IP 68  
 Test standard: IEC EN 60079-0 / IEC EN 60079-7 / IEC EN 60079-31  
 Gas: II 2G Ex eb IIC Gb  
 Dust: II 2D Ex tb IIIC Db  
 Zone: Gas 1 and 2 / dust 21 and 22  
 Certificate: SEV 15 ATEX 0152X  
 IECEx Certificate: IECEx SEV 15.0019X  
 Operation temperature: -20 °C / +85 °C



**Progress GFK  
Multi EX**



Hellgrau RAL 7035  
Einteiliger Dichteinsatz

Light grey RAL 7035  
One-piece sealing insert

| G            | >Ø<<br>min mm | >Ø<<br>max mm | Ø | H<br>mm | L<br>mm | i<br>info |
|--------------|---------------|---------------|---|---------|---------|-----------|
| <b>Pg 9</b>  | 1.0           | 1.5           | 4 | 21      | 26      | 12 3      |
| <b>Pg 9</b>  | 2.0           | 3.0           | 2 | 21      | 26      | 12 -      |
| <b>Pg 11</b> | 3.5           | 5.0           | 2 | 24      | 28      | 12 -      |
| <b>Pg 11</b> | 2.0           | 3.0           | 3 | 24      | 28      | 12 3      |
| <b>Pg 13</b> | 2.5           | 4.0           | 3 | 27      | 28      | 13 3      |
| <b>Pg 13</b> | 3.5           | 5.0           | 2 | 27      | 28      | 13 -      |
| <b>Pg 16</b> | 2.5           | 3.0           | 6 | 27      | 28      | 13 -      |
| <b>Pg 16</b> | 4.5           | 6.0           | 3 | 27      | 28      | 13 -      |
| <b>Pg 21</b> | 5.5           | 7.0           | 4 | 34      | 33      | 13 -      |
| <b>Pg 21</b> | 7.5           | 9.0           | 3 | 34      | 33      | 13 -      |
| <b>Pg 29</b> | 5.5           | 6.5           | 6 | 41      | 36      | 13 3      |
| <b>Pg 29</b> | 8.0           | 9.0           | 3 | 41      | 36      | 13 3      |
| <b>Pg 36</b> | 9.0           | 10.0          | 4 | 55      | 42      | 16 3      |
| <b>Pg 36</b> | 14.0          | 15.0          | 2 | 55      | 42      | 16 3      |
| <b>Pg 42</b> | 9.0           | 10.0          | 4 | 60      | 42      | 16 3      |
| <b>Pg 48</b> | 11.0          | 12.0          | 6 | 70      | 46      | 16 3      |
| <b>Pg 48</b> | 17.0          | 18.0          | 3 | 70      | 46      | 16 3      |

Art.-No.



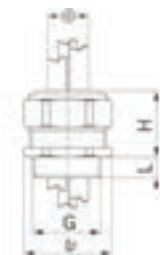
|                        |    |
|------------------------|----|
| <b>EX1571.09.4.015</b> | 50 |
| <b>EX1571.09.2.030</b> | 50 |
| <b>EX1571.11.2.050</b> | 50 |
| <b>EX1571.11.3.030</b> | 50 |
| <b>EX1571.13.3.040</b> | 50 |
| <b>EX1571.13.2.050</b> | 50 |
| <b>EX1571.16.6.030</b> | 50 |
| <b>EX1571.16.3.060</b> | 50 |
| <b>EX1571.21.4.070</b> | 25 |
| <b>EX1571.21.3.090</b> | 25 |
| <b>EX1571.29.6.065</b> | 25 |
| <b>EX1571.29.3.090</b> | 25 |
| <b>EX1571.36.4.100</b> | 10 |
| <b>EX1571.36.2.150</b> | 10 |
| <b>EX1571.42.4.100</b> | 10 |
| <b>EX1571.48.6.120</b> | 5  |
| <b>EX1571.48.3.180</b> | 5  |

3 = Material Dichteinsatz NBR

3 = Material sealing insert NBR

Anschlussgewinde Pg | Entry thread Pg

|                    |                                                         |                        |                                                         |
|--------------------|---------------------------------------------------------|------------------------|---------------------------------------------------------|
| Material:          | Polyamid glasfaserverstärkt                             | Material:              | Polyamide glass fiber reinforced                        |
| Eigenschaften:     | halogenfrei                                             | Properties:            | halogen-free                                            |
| Dichtung:          | TPE / NBR                                               | Seal:                  | TPE / NBR                                               |
| Schutzart:         | IP 66 / IP 68                                           | Protection class:      | IP 66 / IP 68                                           |
| Prüfnorm:          | IEC EN 60079-0 /<br>IEC EN 60079-7 /<br>IEC EN 60079-31 | Test standard:         | IEC EN 60079-0 /<br>IEC EN 60079-7 /<br>IEC EN 60079-31 |
| Gas:               | II 2G Ex eb IIC Gb                                      | Gas:                   | II 2G Ex eb IIC Gb                                      |
| Staub:             | II 2D Ex tb IIIC Db                                     | Dust:                  | II 2D Ex tb IIIC Db                                     |
| Zone:              | Gas 1 und 2 /<br>Staub 21 und 22                        | Zone:                  | Gas 1 and 2 /<br>dust 21 and 22                         |
| Zertifikat:        | SEV 15 ATEX 0152X                                       | Certificate:           | SEV 15 ATEX 0152X                                       |
| IECEX Zertifikat:  | IECEX SEV 15.0019X                                      | IECEX Certificate:     | IECEX SEV 15.0019X                                      |
| Einsatztemperatur: | -20 °C / +85 °C                                         | Operation temperature: | -20 °C / +85 °C                                         |



Schwarz RAL 9005  
Einteiliger Dichteinsatz

Black RAL 9005  
One-piece sealing insert

**G** **H** **L** **i**  
min mm max mm mm mm mm info

Art.-No.



|              |      |      |   |    |    |    |   |                        |    |
|--------------|------|------|---|----|----|----|---|------------------------|----|
| <b>Pg 9</b>  | 1.0  | 1.5  | 4 | 21 | 26 | 12 | 3 | <b>EX1540.09.4.015</b> | 50 |
| <b>Pg 9</b>  | 2.0  | 3.0  | 2 | 21 | 26 | 12 | - | <b>EX1540.09.2.030</b> | 50 |
| <b>Pg 11</b> | 2.0  | 3.0  | 3 | 24 | 28 | 12 | 3 | <b>EX1540.11.3.030</b> | 50 |
| <b>Pg 11</b> | 3.5  | 5.0  | 2 | 24 | 28 | 12 | - | <b>EX1540.11.2.050</b> | 50 |
| <b>Pg 13</b> | 2.5  | 4.0  | 3 | 27 | 28 | 13 | 3 | <b>EX1540.13.3.040</b> | 50 |
| <b>Pg 13</b> | 3.5  | 5.0  | 2 | 27 | 28 | 13 | - | <b>EX1540.13.2.050</b> | 50 |
| <b>Pg 16</b> | 2.5  | 3.0  | 6 | 27 | 28 | 13 | - | <b>EX1540.16.6.030</b> | 50 |
| <b>Pg 16</b> | 4.5  | 6.0  | 3 | 27 | 28 | 13 | - | <b>EX1540.16.3.060</b> | 50 |
| <b>Pg 21</b> | 5.5  | 7.0  | 4 | 34 | 33 | 13 | - | <b>EX1540.21.4.070</b> | 25 |
| <b>Pg 21</b> | 7.5  | 9.0  | 3 | 34 | 33 | 13 | - | <b>EX1540.21.3.090</b> | 25 |
| <b>Pg 29</b> | 5.5  | 6.5  | 6 | 41 | 36 | 13 | 3 | <b>EX1540.29.6.065</b> | 25 |
| <b>Pg 29</b> | 8.0  | 9.0  | 3 | 41 | 36 | 13 | 3 | <b>EX1540.29.3.090</b> | 25 |
| <b>Pg 36</b> | 14.0 | 15.0 | 2 | 55 | 42 | 16 | 3 | <b>EX1540.36.2.150</b> | 10 |
| <b>Pg 36</b> | 9.0  | 10.0 | 4 | 55 | 42 | 16 | 3 | <b>EX1540.36.4.100</b> | 10 |
| <b>Pg 42</b> | 9.0  | 10.0 | 4 | 60 | 42 | 16 | 3 | <b>EX1540.42.4.100</b> | 10 |
| <b>Pg 48</b> | 11.0 | 12.0 | 6 | 70 | 46 | 16 | 3 | <b>EX1540.48.6.120</b> | 5  |
| <b>Pg 48</b> | 17.0 | 18.0 | 3 | 70 | 46 | 16 | 3 | <b>EX1540.48.3.180</b> | 5  |

3 = Material Dichteinsatz NBR

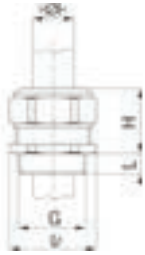
3 = Material sealing insert NBR



Progress GFK  
Multi EX



**Anschlussgewinde metrisch | Entry thread metric**



Material: Polyamid glasfaserverstärkt  
 Eigenschaften: halogenfrei  
 Dichtung: TPE / NBR  
 Schutzart: IP 66 / IP 68  
 Prüfnorm: IEC EN 60079-0 / IEC EN 60079-7 / IEC EN 60079-31  
 Gas: II 2G Ex eb IIC Gb  
 Staub: II 2D Ex tb IIIC Db  
 Eigensicherheit Gas: II 2G Ex ia IIC Ga  
 Eigensicherheit Staub: II 2D Ex ia IIIC Da  
 Zone: Gas 0, 1 und 2 / Staub 20, 21 und 22  
 Zertifikat: SEV 15 ATEX 0152X  
 IECEx Zertifikat: IECEx SEV 15.0019X  
 Einsatztemperatur: -20 °C / +85 °C

Material: Polyamide glass fiber reinforced  
 Properties: halogen-free  
 Seal: TPE / NBR  
 Protection class: IP 66 / IP 68  
 Test standard: IEC EN 60079-0 / IEC EN 60079-7 / IEC EN 60079-31  
 Gas: II 2G Ex eb IIC Gb  
 Dust: II 2D Ex tb IIIC Db  
 Intrinsic safety gas: II 2G Ex ia IIC Ga  
 Intrinsic safety dust: II 2D Ex ia IIIC Da  
 Zone: Gas 0, 1 and 2 / dust 20, 21 and 22  
 Certificate: SEV 15 ATEX 0152X  
 IECEx Certificate: IECEx SEV 15.0019X  
 Operation temperature: -20 °C / +85 °C



**Progress GFK EX**



Schwarz / Lichtblau RAL 5012  
 Einteiliger Dichteinsatz

Black / light blue RAL 5012  
 One-piece sealing insert

| <b>G</b>       |        |        |    | <b>H</b> | <b>L</b> | <b>i</b> | <b>Art.-No.</b>      |    |
|----------------|--------|--------|----|----------|----------|----------|----------------------|----|
|                | min mm | max mm | mm | mm       | mm       | info     |                      |    |
| <b>M16x1.5</b> | 4.5    | 6.0    | 21 | 26       | 12       | -        | <b>EX1530.17.060</b> | 50 |
| <b>M16x1.5</b> | 6.0    | 8.0    | 21 | 26       | 12       | -        | <b>EX1530.17.080</b> | 50 |
| <b>M20x1.5</b> | 6.0    | 8.0    | 27 | 28       | 13       | -        | <b>EX1530.20.080</b> | 50 |
| <b>M20x1.5</b> | 8.0    | 11.0   | 27 | 28       | 13       | -        | <b>EX1530.20.110</b> | 50 |
| <b>M25x1.5</b> | 9.5    | 12.5   | 34 | 33       | 13       | -        | <b>EX1530.25.125</b> | 25 |
| <b>M25x1.5</b> | 12.5   | 16.0   | 34 | 33       | 13       | -        | <b>EX1530.25.160</b> | 25 |
| <b>M25x1.5</b> | 16.0   | 19.0   | 34 | 33       | 13       | -        | <b>EX1530.25.190</b> | 25 |
| <b>M25x1.5</b> | 19.0   | 20.5   | 34 | 33       | 13       | -        | <b>EX1530.25.205</b> | 25 |
| <b>M32x1.5</b> | 20.0   | 21.0   | 41 | 35       | 15       | -        | <b>EX1530.32.210</b> | 25 |
| <b>M32x1.5</b> | 21.0   | 22.0   | 41 | 35       | 15       | 3        | <b>EX1530.32.220</b> | 25 |
| <b>M32x1.5</b> | 22.0   | 23.0   | 41 | 35       | 15       | 3        | <b>EX1530.32.230</b> | 25 |
| <b>M32x1.5</b> | 23.0   | 25.5   | 41 | 35       | 15       | -        | <b>EX1530.32.255</b> | 25 |
| <b>M40x1.5</b> | 25.5   | 27.0   | 50 | 40       | 15       | 3        | <b>EX1530.40.270</b> | 10 |
| <b>M40x1.5</b> | 27.0   | 28.5   | 50 | 40       | 15       | -        | <b>EX1530.40.285</b> | 10 |
| <b>M40x1.5</b> | 28.5   | 30.0   | 50 | 40       | 15       | 3        | <b>EX1530.40.300</b> | 10 |
| <b>M40x1.5</b> | 30.0   | 33.0   | 50 | 40       | 15       | -        | <b>EX1530.40.330</b> | 10 |
| <b>M50x1.5</b> | 33.0   | 35.0   | 60 | 42       | 16       | 3        | <b>EX1530.50.350</b> | 10 |
| <b>M50x1.5</b> | 35.0   | 37.0   | 60 | 42       | 16       | -        | <b>EX1530.50.370</b> | 10 |
| <b>M50x1.5</b> | 37.0   | 39.0   | 60 | 42       | 16       | 3        | <b>EX1530.50.390</b> | 10 |
| <b>M50x1.5</b> | 39.0   | 42.0   | 60 | 42       | 16       | -        | <b>EX1530.50.420</b> | 10 |
| <b>M63x1.5</b> | 42.0   | 44.0   | 75 | 48       | 16       | 3        | <b>EX1530.63.440</b> | 5  |
| <b>M63x1.5</b> | 44.0   | 46.0   | 75 | 48       | 16       | -        | <b>EX1530.63.460</b> | 5  |
| <b>M63x1.5</b> | 46.0   | 48.0   | 75 | 48       | 16       | 3        | <b>EX1530.63.480</b> | 5  |
| <b>M63x1.5</b> | 48.0   | 52.0   | 75 | 48       | 16       | -        | <b>EX1530.63.520</b> | 5  |

3 = Material Dichteinsatz NBR

3 = Material sealing insert NBR

Auf Anfrage lieferbar:

Available on request:

Für mehrere Kabel

For installation of multiple cables

## Anschlussgewinde Pg | Entry thread Pg

Material: Polyamid glasfaserverstärkt

Eigenschaften: halogenfrei

Dichtung: TPE / NBR

Schutzart: IP 66 / IP 68

Prüfnorm: IEC EN 60079-0 / IEC EN 60079-7 / IEC EN 60079-31

Gas: II 2G Ex eb IIC Gb

Staub: II 2D Ex tb IIIC Db

Eigensicherheit Gas: II 2G Ex ia IIC Ga

Eigensicherheit Staub: II 2D Ex ia IIIC Da

Zone: Gas 0, 1 und 2 / Staub 20, 21 und 22

Zertifikat: SEV 15 ATEX 0152X

IECEx Zertifikat: IECEx SEV 15.0019X

Einsatztemperatur: -20 °C / +85 °C

Material: Polyamide glass fiber reinforced

Properties: halogen-free

Seal: TPE / NBR

Protection class: IP 66 / IP 68

Test standard: IEC EN 60079-0 / IEC EN 60079-7 / IEC EN 60079-31

Gas: II 2G Ex eb IIC Gb

Dust: II 2D Ex tb IIIC Db

Intrinsic safety gas: II 2G Ex ia IIC Ga

Intrinsic safety dust: II 2D Ex ia IIIC Da

Zone: Gas 0, 1 and 2 / dust 20, 21 and 22

Certificate: SEV 15 ATEX 0152X

IECEx Certificate: IECEx SEV 15.0019X

Operation temperature: -20 °C / +85 °C



Schwarz / Lichtblau RAL 5012  
Einteiliger Dichteinsatz

Black / light blue RAL 5012  
One-piece sealing insert

| G     | >Ø<<br>min mm | >Ø<<br>max mm | H<br>mm | L<br>mm | i<br>info | Art.-No. |                  |
|-------|---------------|---------------|---------|---------|-----------|----------|------------------|
| Pg 9  | 4.5           | 6.0           | 21      | 26      | 12        | -        | EX1530.09.060 50 |
| Pg 9  | 6.0           | 8.0           | 21      | 26      | 12        | -        | EX1530.09.080 50 |
| Pg 11 | 4.0           | 5.5           | 24      | 28      | 12        | -        | EX1530.11.055 50 |
| Pg 11 | 5.5           | 8.5           | 24      | 28      | 12        | -        | EX1530.11.085 50 |
| Pg 13 | 6.0           | 8.0           | 27      | 28      | 13        | -        | EX1530.13.080 50 |
| Pg 13 | 8.0           | 11.0          | 27      | 28      | 13        | -        | EX1530.13.110 50 |
| Pg 16 | 6.0           | 8.0           | 27      | 28      | 13        | -        | EX1530.16.080 50 |
| Pg 16 | 8.0           | 11.0          | 27      | 28      | 13        | -        | EX1530.16.110 50 |
| Pg 21 | 9.5           | 12.5          | 34      | 33      | 13        | -        | EX1530.21.125 25 |
| Pg 21 | 12.5          | 16.0          | 34      | 33      | 13        | -        | EX1530.21.160 25 |
| Pg 21 | 16.0          | 19.0          | 34      | 33      | 13        | -        | EX1530.21.190 25 |
| Pg 21 | 19.0          | 20.5          | 34      | 33      | 13        | -        | EX1530.21.205 25 |
| Pg 29 | 19.5          | 21.0          | 41      | 36      | 13        | 3        | EX1530.29.210 25 |
| Pg 29 | 21.0          | 23.0          | 41      | 36      | 13        | -        | EX1530.29.230 25 |
| Pg 29 | 23.0          | 25.0          | 41      | 36      | 13        | 3        | EX1530.29.250 25 |
| Pg 29 | 25.0          | 27.5          | 41      | 36      | 13        | -        | EX1530.29.275 25 |
| Pg 36 | 27.0          | 28.5          | 55      | 42      | 16        | 3        | EX1530.36.285 10 |
| Pg 36 | 28.5          | 30.5          | 55      | 42      | 16        | -        | EX1530.36.305 10 |
| Pg 36 | 30.5          | 32.5          | 55      | 42      | 16        | 3        | EX1530.36.325 10 |
| Pg 36 | 32.5          | 35.0          | 55      | 42      | 16        | -        | EX1530.36.350 10 |
| Pg 42 | 33.0          | 35.0          | 60      | 42      | 16        | 3        | EX1530.42.350 10 |
| Pg 42 | 35.0          | 37.0          | 60      | 42      | 16        | -        | EX1530.42.370 10 |
| Pg 42 | 37.0          | 39.0          | 60      | 42      | 16        | 3        | EX1530.42.390 10 |
| Pg 42 | 39.0          | 42.0          | 60      | 42      | 16        | -        | EX1530.42.420 10 |
| Pg 48 | 41.0          | 43.0          | 70      | 46      | 16        | -        | EX1530.48.430 5  |
| Pg 48 | 43.0          | 45.0          | 70      | 46      | 16        | 3        | EX1530.48.450 5  |
| Pg 48 | 45.0          | 47.0          | 70      | 46      | 16        | 3        | EX1530.48.470 5  |
| Pg 48 | 47.0          | 49.0          | 70      | 46      | 16        | -        | EX1530.48.490 5  |

3 = Material Dichteinsatz NBR

3 = Material sealing insert NBR

Auf Anfrage lieferbar:

Available on request:

Für mehrere Kabel

For installation of multiple cables



Progress GFK EX

