



**PÖPPELMANN**  
KAPSTO

DISCOVER.  
**NOW.**

The perfect protection for many applications and the environment – sustainable protective solutions from our standard range as well as customised developments.

**WE. CREATE. FUTURE.**



# EXPERIENCE INNOVATION NOW.

## DEAR READERS,

If the picture above looks familiar to you, you are one of over 1,000 people who have already had the chance to see our new production hall in Lohne for themselves. If you haven't visited us yet, we'd love to invite you to come and see for yourself – discover cutting-edge technology in our production and logistics facilities. Energy efficiency, highly automated processes and a modern working environment are a reality for us. Curious? On the following pages, you'll find some initial insights and perhaps even some inspiration to visit in person.

Our catalogue is also packed with innovations. For example, you can look forward to special protective caps for e-Mobility and a wide range of new products made from sustainable post-consumer recycled materials. In addition to traditional injection-moulded parts, we also present components produced using the resource-efficient thermoforming process – such as the GPN 380 Form D, Chapter 3.

If you can't find the right product, we'll develop tailor-made protective solutions for you. With our '6-day tool', we produce production parts in record time – find out more about this and our other high-speed services in Chapter 5.

P.S.: We've had a complete digital makeover too! Visit [www.poeppelmann.com/en/kapsto](https://www.poeppelmann.com/en/kapsto) to view our complete product range, which is always up to date and clearly laid out. The product search function has been significantly expanded – thanks to additional, targeted filters, you can quickly find the ideal protective solution. Ordering free samples is really easy, and the ordering functions are fully integrated, so samples usually arrive within 1 or 2 days.

Have fun exploring and trying things out!



**THORSTEN KOLDEHOFF**

DIVISION MANAGER & GLOBAL SALES MANAGER AT PÖPPELMANN KAPSTO®

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## AUTOMOTIVE ELECTRICS/ELECTRONICS



Flexible Protective  
Caps  
GPN 201



Flexible Closures  
GPN 351



FEP Contact  
Protection  
GPN 361



Superseal Contact  
Protection  
GPN 362



MQS Contact  
Protection  
GPN 363



Compact Contact  
Protection  
GPN 364



Contact Protection  
GPN 366



Leavysel Contact  
Protection  
GPN 367



HV Protection  
GPN 380 Type A



HV Protection  
GPN 380 Type B



HV Protection  
GPN 380 Type C



HV Protection  
GPN 382



HV Protection  
GPN 384



HV Protection  
GPN 385 Type A



HV Protection  
GPN 385 Type B



HV Protection  
GPN 385 Type C



HV Protection  
GPN 386



HV Protection  
GPN 387 Type A



HV Protection  
GPN 390 Type A



HV Protection  
GPN 390 Type B



HV Protection  
GPN 390 Type C



HV Protection  
GPN 390 Type D



HV Protection  
GPN 391



HV Protection  
GPN 392



HV Protection  
GPN 394



HV Protection  
GPN 395 Type A



HV Protection  
GPN 395 Type B



HV Protection  
GPN 395 Type C



HV Protection  
GPN 395 Type D



HV Protection  
GPN 395 Type E



HV Protection  
GPN 396 Type A



HV Protection  
GPN 396 Type B



HV Protection  
GPN 396 Type C



HV Protection  
GPN 397

## AUTOMOTIVE MECHANICS



Flexible Protective  
Caps  
GPN 201



Protective Caps  
GPN 207



Grip Plugs  
GPN 310



Closures  
GPN 350



Screw-in Plugs  
GPN 551



Tapered Closure  
with side Tab  
GPN 608

## AUTOMOTIVE FLUID TECHNOLOGY



Protective Caps  
GPN 200 Type A



Flexible Protective  
Caps  
GPN 201



Protective Caps  
GPN 207



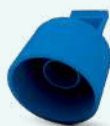
Grip Caps  
GPN 210



Flexible Grip Caps  
GPN 211



Grip Caps  
GPN 212



Pipe End Caps  
GPN 220



Protective Caps  
GPN 240



SAE Sealing Caps  
GPN 241



VDA Sealing Caps  
GPN 242



VDA Grip Caps  
GPN 243



QC-Plugs  
GPN 245 Type A



QC-Plugs  
GPN 245 Type B



VDA Sealing Plugs  
GPN 247



VDA Sealing Plugs  
with tab  
GPN 248



Grip Plugs  
GPN 305



Grip Plugs  
GPN 310



Tapered Closure  
with side Tab  
GPN 608



Universal Protection  
GPN 610



Plugs for block  
terminals  
GPN 660



Sealing Screw Plugs  
with O-Ring  
GPN 737

## AUTOMOTIVE AIR



Closure Plugs  
GPN 300 F



Grip Plugs  
GPN 305



Grip Plugs  
GPN 330



Closures  
GPN 350



ECO Universal  
Protection  
GPN 401



ECO Grip Plugs  
GPN 480



Universal Protection  
GPN 610



Universal Protection  
with Ring Tab  
GPN 615



Universal Protection  
GPN 620



Grip Plugs  
GPN 630



Screw Plugs  
GPN 700

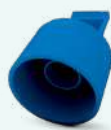


Protective Covers  
GPN 950

## CONSTRUCTION AND AGRICULTURAL MACHINERY



Protective Caps  
GPN 200 Type A



Pipe End Caps  
GPN 220



QC-Plugs  
GPN 245 Type B



VDA Sealing Plugs  
GPN 247



Square Plugs  
GPN 260



Rectangular Plugs  
GPN 270



End Caps  
GPN 280



Shaft Protection  
GPN 290



Closure Plugs  
GPN 300 F



Finned Plugs  
GPN 320



Grip Closures  
GPN 335



Covers  
GPN 340



Contact Protection  
GPN 360 Type A



Contact Protection  
GPN 360 Type B



HDSCS Protection  
GPN 365



ECO Universal  
Protection  
GPN 400



ECO Grip Plugs  
GPN 481



Tapered Closures  
GPN 600



Thin-Walled Tapered  
Closures  
GPN 601



Flange Covers  
GPN 640



Protective Covers  
GPN 695



Sealing Screw Plugs  
GPN 735



Sealing Screw Plugs  
GPN 736



Sealing Screw Plugs  
with O-Ring  
GPN 738



Screw Caps  
GPN 800



Screw Caps with  
Sealing Disc  
GPN 802



Screw Caps with  
Sealing Ring  
GPN 804



Covers  
GPN 910



Sealing Plugs  
GPN 915



Protective Dust  
Plugs  
GPN 920 Type A



Protective Dust  
Caps  
GPN 920 Type B



Protective Dust  
Plugs  
GPN 930 Type A



Protective Dust  
Caps  
GPN 930 Type B



Grease Nipple Caps  
GPN 980 Type B



Grease Nipple Caps  
GPN 985 Type B



Hexagonal Caps  
GPN 1000



Snap-on Caps  
GPN 1010



Hexagonal Caps  
GPN 1050

## HYDRAULICS



Protective Caps  
GPN 200 Type B



Grip Closures  
GPN 335



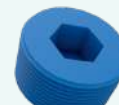
Flange Covers  
GPN 640



Protective Caps  
GPN 690



Protective Covers  
GPN 695



Screw Plugs  
GPN 720 Type A



Screw Plugs  
GPN 720 Type B



Sealing Screw Plugs  
GPN 730



Assembly tool  
KAPSTO BIT



Sealing Screw Plugs  
with O-Ring  
GPN 737



Sealing Screw Plugs  
with O-Ring  
GPN 738



Screw Caps with  
Sealing Disc  
GPN 802



Screw Caps with  
Sealing Ring  
GPN 804



Protective Dust  
Plugs  
GPN 920 Type A



Protective Dust  
Caps  
GPN 920 Type B



Protective Dust  
Plugs  
GPN 930 Type A



Protective Dust  
Caps  
GPN 930 Type B

## CONSTRUCTION AND FACILITY MANAGEMENT



Protective Caps for  
Pipes  
GPN 250



Square Plugs  
GPN 260



Rectangular Plugs  
GPN 270



End Caps  
GPN 280



Finned Plugs  
GPN 320



ECO Universal  
Protection  
GPN 401



ECO Grip Plugs  
GPN 480



Flange Covers  
GPN 650 Type A



Flange Covers  
GPN 655 Type B



Flange Covers  
GPN 670



Flange Caps  
GPN 680



Protective Caps  
GPN 690

### Customized E-Mobility Solutions:

Do you need a new, customized protection solution for your e-mobility application? With us, you'll benefit not only from our expertise but also from funding for the development of these solutions.

Please feel free to get in touch with us:

**+49 4442 982-9100**

or visit [www.poeppelmann.com/kapsto](http://www.poeppelmann.com/kapsto)

A yellow autonomous mobile robot (AMR) is shown in a factory environment, carrying a large cardboard box. The box is labeled "K5SKA" and features handling instructions: "↑↑" (upward arrows), a glass icon, and an umbrella icon. The website "www.poeppelmann.com" is printed at the bottom of the box. The robot is positioned on a light-colored floor, and the background shows industrial equipment and overhead structures. A large teal circle is overlaid on the left side of the image, containing the text "MAXIMUM PERFORMANCE. NOW." in white, bold, sans-serif capital letters.

**MAXIMUM  
PERFORMANCE.  
NOW.**

# SUSTAINABILITY MEETS CUTTING-EDGE TECHNOLOGY.



## Energy-efficient systems:

The hall has been awarded the DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen) Platinum Pre-certification.

Processed water from the rainwater retention tank is used for toilets, process cooling and machinery, enabling us to be up to 80% self-sufficient.

Photovoltaic systems on the green roof reduce our ecological footprint. The green roof reduces the hall's cooling requirements and improves the efficiency of the photovoltaic system.

The heat supply is provided by waste heat supported by heat pumps.

Cooling is provided by natural free cooling with cooling machines.



## Highly automated processes:

Optimal coordination of logistics and production for highest quality.

Automated guided vehicles (AGVs) and associated conveyor systems ensure efficient internal logistics.

An automated small parts warehouse increases access to our products and makes it more flexible.

Automated packaging systems optimise processes.

The well-thought-out overall concept reduces the processing time of our products.

Flexible production processes for the best possible fulfilment of your requirements.



## Modern working environment:

Teams from different departments, such as production and customer service, work together in a state-of-the-art environment – ensuring short lines of communication and efficient processes.

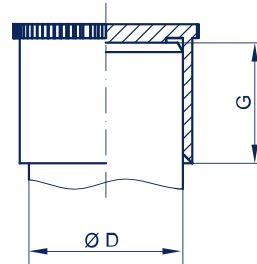
Digital tools and optimised workflows support collaboration and ensure smooth processes.

Employees benefit from workspaces that combine ergonomic design with efficient workflows – creating a pleasant working environment and quick coordination.

## Application

The cylindrical protective caps GPN 200 Type A are suitable for protecting pipe ends and shafts as well as threaded studs. The easy-to-grip, knurled collar ensures easy removal.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)


**PCR-PE  
blue**
**PCR-PE / PE-LD  
yellow**
**PE-LD  
natural**
**100% PCR**
**Recycling blend**
**Virgin material**

| Article             | External thread | D    | G    | 100% PCR    | Recycling blend | Virgin material |
|---------------------|-----------------|------|------|-------------|-----------------|-----------------|
| GPN 200 Z 5 x 13    |                 | 5    | 13   | 2000513RB61 | 20005131073     | 20005130000     |
| GPN 200 Z 5 x 20    |                 | 5    | 20   | 2000520RB61 | 20005201073     | 20005200000     |
| GPN 200 Z 6 x 10    |                 | 6    | 10   | 2000610RB61 | 20006101073     | 20006100000     |
| GPN 200 Z 6 x 16    |                 | 6    | 16   | 2000616RB61 | 20006161073     | 20006160000     |
| GPN 200 Z 6 x 31    |                 | 6    | 31   | 2000631RB61 | 20006311073     | 20006310000     |
| GPN 200 Z 7 x 16    |                 | 7    | 15,5 | 2000716RB61 | 20007161073     | 20007160000     |
| GPN 200 Z 8 x 10    |                 | 8    | 10   | 2000810RB61 | 20008101073     | 20008100000     |
| GPN 200 Z 8 x 16    |                 | 8    | 16   | 2000816RB61 | 20008161073     | 20008160000     |
| GPN 200 Z 8 x 30    |                 | 8    | 30   | 2000830RB61 | 20008301073     | 20008300000     |
| GPN 200 Z 9 x 12    |                 | 9    | 11,5 | 2000912RB61 | 20009121073     | 20009120000     |
| GPN 200 Z 9 x 16    |                 | 9    | 16   | 2000916RB61 | 20009161073     | 20009160000     |
| GPN 200 Z 10 x 6    |                 | 10   | 6    | 2001060RB61 | 20010601073     | 20010600000     |
| GPN 200 Z 10 x 10   |                 | 10   | 10   | 2001010RB61 | 20010101073     | 20010100000     |
| GPN 200 Z 10 x 22   |                 | 10   | 22   | 2001022RB61 |                 | 20010220000     |
| GPN 200 Z 10 x 28   |                 | 10   | 28   | 2001028RB61 |                 | 20010280000     |
| GPN 200 Z 10 x 33   |                 | 10   | 33   | 2001033RB61 | 20010331073     | 20010330000     |
| GPN 200 Z 12 x 10   |                 | 12   | 10   | 2001210RB61 | 20012101073     | 20012100000     |
| GPN 200 Z 12 x 16   |                 | 12   | 16   | 2001216RB61 | 20012161073     | 20012160000     |
| GPN 200 Z 12 x 35   |                 | 12   | 35   | 2001235RB61 | 20012351073     | 20012350000     |
| GPN 200 Z 12,5 x 20 |                 | 12,5 | 20   | 2001252RB61 | 20012521073     | 20012520000     |
| GPN 200 Z 14 x 8    |                 | 14   | 8    | 2001480RB61 | 20014801073     | 20014800000     |
| GPN 200 Z 14 x 10   |                 | 14   | 10   | 2001410RB61 | 20014101073     | 20014100000     |
| GPN 200 Z 14 x 15   |                 | 14   | 15   | 2001415RB61 | 20014151073     | 20014150000     |
| GPN 200 Z 14 x 20   |                 | 14   | 20   | 2001420RB61 | 20014201073     | 20014200000     |
| GPN 200 Z 14 x 38   |                 | 14   | 38   | 2001438RB61 | 20014381073     | 20014380000     |
| GPN 200 Z 14,5 x 15 |                 | 14,5 | 15   | 2001451RB61 | 20014511073     | 20014510000     |
| GPN 200 Z 16 x 8    |                 | 16   | 8    | 2001680RB61 | 20016801073     | 20016800000     |
| GPN 200 Z 16 x 15   |                 | 16   | 15   | 2001615RB61 | 20016151073     | 20016150000     |
| GPN 200 Z 16 x 20   |                 | 16   | 20   | 2001620RB61 | 20016201073     | 20016200000     |
| GPN 200 Z 16 x 25   |                 | 16   | 25   | 2001625RB61 | 20016251073     | 20016250000     |
| GPN 200 Z 18 x 15   |                 | 18   | 15   | 2001815RB61 | 20018151073     | 20018150000     |
| GPN 200 Z 18 x 20   |                 | 18   | 20   | 2001820RB61 | 20018201073     | 20018200000     |
| GPN 200 Z 18 x 26   |                 | 18   | 26   | 2001826RB61 | 20018261073     | 20018260000     |
| GPN 200 Z 20 x 14   |                 | 20   | 14   | 2002014RB61 | 20020141073     | 20020140000     |
| GPN 200 Z 20 x 20   |                 | 20   | 20   | 2002020RB61 | 20020201073     | 20020200000     |
| GPN 200 Z 22 x 18   |                 | 22   | 18   | 2002218RB61 | 20022181073     | 20022180000     |
| GPN 200 Z 22 x 30   |                 | 22   | 30   | 2002230RB61 | 20022301073     | 20022300000     |
| GPN 200 Z 24 x 18   |                 | 24   | 18   | 2002418RB61 | 20024181073     | 20024180000     |
| GPN 200 Z 27 x 20   |                 | 27   | 20   | 2002720RB61 | 20027201073     | 20027200000     |
| GPN 200 Z 28 x 20   |                 | 28   | 20   | 2002820RB61 | 20028201073     | 20028200000     |
| GPN 200 Z 30 x 22   |                 | 30   | 22   | 2003022RB61 | 20030221073     | 20030220000     |
| GPN 200 Z 32 x 22   |                 | 32   | 22   | 2003222RB61 | 20032221073     | 20032220000     |
| GPN 200 Z 33 x 25   |                 | 33   | 25   | 2003325RB61 | 20033251073     | 20033250000     |
| GPN 200 Z 35 x 25   |                 | 35   | 25   | 2003525RB61 | 20035251073     | 20035250000     |
| GPN 200 Z 36 x 25   |                 | 36   | 25   | 2003625RB61 | 20036251073     | 20036250000     |
| GPN 200 Z 38 x 25   |                 | 38   | 25   | 2003825RB61 | 20038251073     | 20038250000     |
| GPN 200 Z 39 x 27   |                 | 39   | 27   | 2003927RB61 | 20039271073     | 20039270000     |
| GPN 200 Z 40 x 27   |                 | 40   | 27   | 2004027RB61 | 20040271073     | 20040270000     |
| GPN 200 Z 42 x 27   |                 | 42   | 27   | 2004227RB61 | 20042271073     | 20042270000     |
| GPN 200 Z 45 x 30   |                 | 45   | 30   | 2004530RB61 | 20045301073     | 20045300000     |
| GPN 200 Z 48 x 30   |                 | 48   | 30   | 2004830RB61 | 20048301073     | 20048300000     |
| GPN 200 Z 50 x 30   |                 | 50   | 30   | 2005030RB61 | 20050301073     | 20050300000     |
| GPN 200 G 1/4       | G 1/4           | 13   | 15   | 2000589RB61 | 20005891073     | 20005890000     |
| GPN 200 G 3/8       | G 3/8           | 16,5 | 13   | 2000566RB61 | 20005661073     | 20005660000     |



# Protective Caps

## GPN 200 Type A



| Article       | External thread | D    | G    | PCR-PE<br>blue<br>100% PCR | PCR-PE / PE-LD<br>yellow<br>Recycling blend | PE-LD<br>natural<br>Virgin material |
|---------------|-----------------|------|------|----------------------------|---------------------------------------------|-------------------------------------|
| GPN 200 G 1/2 | G 1/2           | 21   | 15   | 2000567RB61                | 20005671073                                 | 20005670000                         |
| GPN 200 G 3/4 | G 3/4           | 26,5 | 16,5 | 2000568RB61                | 20005681073                                 | 20005680000                         |
| GPN 200 G 1   | G 1             | 33   | 19,5 | 2000590RB61                | 20005901073                                 | 20005900000                         |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Better.

Cylindrical caps with easy-to-grip knurled collar for protection of threaded studs, pipe ends and shafts.



#### Seals better.

Protection against foreign objects >1 mm



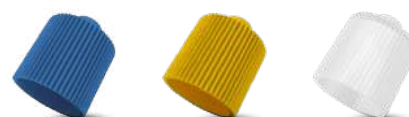
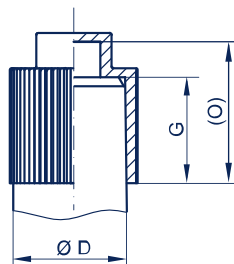
# Protective Caps

## GPN 200 Type B

### Application

The protective caps GPN 200 Type B are designed for male end connectors pursuant to DIN EN 837-1 and DIN EN 837-3. The easy-to-grip, knurled outer wall enables easy removal.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

**PCR-PE / PE-LD  
yellow**

**PE-LD  
natural**

| Article        | External thread | D  | G  | O  | 100% PCR    | Recycling blend | Virgin material |
|----------------|-----------------|----|----|----|-------------|-----------------|-----------------|
| GPN 200 / 1040 | M 12 x 1.5      | 12 | 12 | 16 | 2001040RB61 | 20010401073     | 20010400000     |
| GPN 200 / 0790 | M 20 x 1.5      | 20 | 20 | 26 | 2000790RB61 | 20007901073     | 20007900000     |
| GPN 200 / 1041 | G 1/4           | 13 | 12 | 16 | 2001041RB61 | 20010411073     | 20010410000     |
| GPN 200 / 0791 | G 1/2           | 21 | 20 | 26 | 2000791RB61 | 20007911073     | 20007910000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



#### Better fit.

Designed for male end connectors in accordance with DIN EN 837-1 and DIN EN 837-3.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Better.

Easy-to-grip knurled outer wall for easy removal.



#### Seals better.

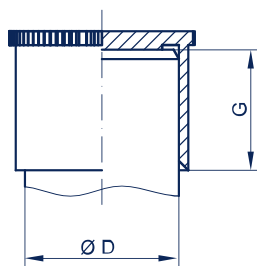
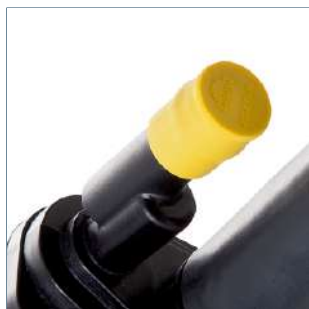
Protection against foreign objects > 1 mm



## Application

The flexible GPN 201 protective caps protect pipe ends and shafts as well as threaded studs and are temporarily heat-resistant up to 150°C. The particularly flexible material enables use for different diameters and the easy-to-grip, knurled collar ensures easy removal.

All information about the recycling blend can be found in at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-TPE  
yellow**



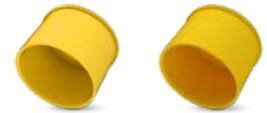
**TPE  
yellow**

| Article             | D min | D max | G    | Recycling blend | Virgin material |
|---------------------|-------|-------|------|-----------------|-----------------|
| GPN 201 Z 5 x 13    | 4,9   | 5,4   | 13   | 20105130085     | 20105130000     |
| GPN 201 Z 5 x 20    | 4,9   | 5,4   | 20   | 20105200085     | 20105200000     |
| GPN 201 Z 6 x 10    | 5,9   | 6,4   | 10   | 20106100085     | 20106100000     |
| GPN 201 Z 6 x 16    | 5,9   | 6,4   | 16   | 20106160085     | 20106160000     |
| GPN 201 Z 6 x 31    | 5,9   | 6,4   | 31   |                 | 20106310000     |
| GPN 201 Z 7 x 16    | 6,9   | 7,3   | 15,5 | 20107160085     | 20107160000     |
| GPN 201 Z 8 x 10    | 8     | 8,4   | 10   | 20108100085     | 20108100000     |
| GPN 201 Z 8 x 16    | 7,9   | 8,4   | 16   | 20108160085     | 20108160000     |
| GPN 201 Z 8 x 30    | 7,9   | 8,1   | 30   | 20108300085     | 20108300000     |
| GPN 201 Z 9 x 12    | 9,2   | 9,4   | 11,5 | 20109120085     | 20109120000     |
| GPN 201 Z 9 x 16    | 9     | 9,1   | 16   | 20109160085     | 20109160000     |
| GPN 201 Z 10 x 6    | 10    | 10,7  | 6    | 20110600085     | 20110600000     |
| GPN 201 Z 10 x 10   | 9,9   | 10,5  | 10   | 20110100085     | 20110100000     |
| GPN 201 Z 10 x 22   | 10    | 10,3  | 22   | 20110220085     | 20110220000     |
| GPN 201 Z 10 x 28   | 9,9   | 10,2  | 28   | 20110280085     | 20110280000     |
| GPN 201 Z 10 x 33   | 9,9   | 10,1  | 33   | 20110330085     | 20110330000     |
| GPN 201 Z 12 x 10   | 11,9  | 12,8  | 10   | 20112100085     | 20112100000     |
| GPN 201 Z 12 x 16   | 11,8  | 12,5  | 16   | 20112160085     | 20112160000     |
| GPN 201 Z 12 x 35   | 11,9  | 12,1  | 35   | 20112350085     | 20112350000     |
| GPN 201 Z 12,5 x 20 | 12,5  | 13,3  | 20   | 20112520085     | 20112520000     |
| GPN 201 Z 14 x 8    | 13,9  | 14,8  | 8    | 20114800085     | 20114800000     |
| GPN 201 Z 14 x 10   | 13,9  | 14,7  | 10   | 20114100085     | 20114100000     |
| GPN 201 Z 14 x 15   | 13,9  | 14,6  | 15   | 20114150085     | 20114150000     |
| GPN 201 Z 14 x 20   | 13,9  | 14,4  | 20   | 20114200085     | 20114200000     |
| GPN 201 Z 14 x 38   | 13,9  | 14,4  | 38   | 20114380085     | 20114380000     |
| GPN 201 Z 14,5 x 15 | 14,4  | 14,9  | 15   | 20114510085     | 20114510000     |
| GPN 201 Z 16 x 8    | 15,9  | 16,7  | 8    | 20116800085     | 20116800000     |
| GPN 201 Z 16 x 15   | 16    | 16,6  | 15   | 20116150085     | 20116150000     |
| GPN 201 Z 16 x 20   | 15,9  | 16,6  | 20   | 20116200085     | 20116200000     |
| GPN 201 Z 16 x 25   | 15,9  | 16,3  | 25   | 20116250085     | 20116250000     |
| GPN 201 Z 18 x 15   | 17,9  | 18,9  | 15   | 20118150085     | 20118150000     |
| GPN 201 Z 18 x 20   | 17,9  | 18,4  | 20   | 20118200085     | 20118200000     |
| GPN 201 Z 18 x 26   | 17,9  | 18,3  | 26   | 20118260085     | 20118260000     |
| GPN 201 Z 20 x 14   | 20    | 20,7  | 14   | 20120140085     | 20120140000     |
| GPN 201 Z 20 x 20   | 20    | 20,7  | 20   | 20120200085     | 20120200000     |
| GPN 201 Z 22 x 18   | 21,9  | 22,5  | 18   | 20122180085     | 20122180000     |
| GPN 201 Z 22 x 30   | 21,9  | 22,5  | 30   | 20122300085     | 20122300000     |
| GPN 201 Z 24 x 18   | 23,9  | 24,6  | 18   | 20124180085     | 20124180000     |
| GPN 201 Z 27 x 20   | 26,7  | 27,8  | 20   | 20127200085     | 20127200000     |
| GPN 201 Z 28 x 20   | 27,7  | 28,6  | 20   | 20128200085     | 20128200000     |
| GPN 201 Z 30 x 22   | 29,8  | 30,7  | 22   | 20130220085     | 20130220000     |
| GPN 201 Z 32 x 22   | 31,3  | 32,8  | 22   | 20132220085     | 20132220000     |
| GPN 201 Z 33 x 25   | 32,7  | 33,9  | 25   | 20133250085     | 20133250000     |
| GPN 201 Z 35 x 25   | 35    | 35,8  | 25   | 20135250085     | 20135250000     |
| GPN 201 Z 36 x 25   | 35,8  | 37,5  | 25   | 20136250085     | 20136250000     |
| GPN 201 Z 38 x 25   | 38,1  | 39,2  | 25   | 20138250085     | 20138250000     |
| GPN 201 Z 39 x 27   | 38,6  | 39,7  | 27   | 20139270085     | 20139270000     |
| GPN 201 Z 40 x 27   | 39,8  | 41    | 27   | 20140270085     | 20140270000     |
| GPN 201 Z 42 x 27   | 41,9  | 42,9  | 27   | 20142270085     | 20142270000     |
| GPN 201 Z 45 x 30   | 45,1  | 46    | 30   | 20145300085     | 20145300000     |
| GPN 201 Z 48 x 30   | 48,3  | 49,9  | 30   | 20148300085     | 20148300000     |
| GPN 201 Z 50 x 30   | 50    | 51    | 30   | 20150300085     | 20150300000     |
| GPN 201 G 1/4       | 13,2  | 13,9  | 15   | 20105890085     | 20105890000     |
| GPN 201 G 3/8       | 16,5  | 17,1  | 13   | 20105660085     | 20105660000     |



## Flexible Protective Caps

# GPN 201



**PCR-TPE  
yellow**

**TPE  
yellow**

| Article       | D min | D max | G    | Recycling blend | Virgin material |
|---------------|-------|-------|------|-----------------|-----------------|
| GPN 201 G 1/2 | 20,8  | 21,5  | 15   | 20105670085     | 20105670000     |
| GPN 201 G 3/4 | 26,2  | 27,7  | 16,5 | 20105680085     | 20105680000     |
| GPN 201 G 1   | 33,1  | 34,7  | 19,5 | 20105900085     | 20105900000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



#### Higher temperature resistance.

Heat resistant to 150 °C.



#### More versatile.

Suitable for different diameters due to flexible material. Free from plasticizers with SVHC\*\* relevance.



#### Better.

Cylindrical caps with easy-to-grip knurled collar for protection of threaded studs, pipe ends and shafts.



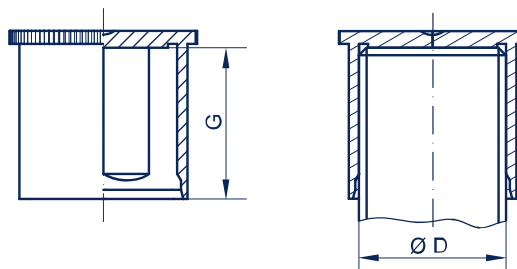
#### Seals better.

Protection against foreign objects >1 mm



## Application

The GPN 205 protective caps are suitable for bolts, external threads and pins. The flexible material in combination with internal clamping surfaces help to accommodate larger tolerances. In addition, the line contact over the surfaces reduces material abrasion in the event of sharp edges on the mating part. The easy-to-grip, knurled collar and the clamping surfaces ensure an optimum fit and low-abrasion removal.



**EVA  
yellow**

| Article           | D    | G    | Virgin material |
|-------------------|------|------|-----------------|
| GPN 205 K 10 x 12 | 10   | 12,2 | 20510120000     |
| GPN 205 K 12 x 12 | 12   | 12,2 | 20512120000     |
| GPN 205 K 14 x 14 | 14   | 14,2 | 20514140000     |
| GPN 205 K 16 x 8  | 16   | 8    | 20516800000     |
| GPN 205 K 16 x 16 | 16   | 16,2 | 20516160000     |
| GPN 205 K 18 x 18 | 18   | 18,2 | 20518180000     |
| GPN 205 K 20 x 20 | 20   | 20,2 | 20520200000     |
| GPN 205 K 22 x 22 | 22   | 22,2 | 20522220000     |
| GPN 205 G 1/8     | 9,7  | 12,2 | 20518000000     |
| GPN 205 G 1/4     | 13,2 | 14,2 | 20514000000     |
| GPN 205 G 3/8     | 16,7 | 18,2 | 20538000000     |
| GPN 205 G 1/2     | 20,6 | 21,2 | 20512000000     |
| GPN 205 G 5/8     | 23   | 22,2 | 20558000000     |
| GPN 205 G 3/4     | 26,4 | 22,2 | 20534000000     |
| GPN 205 G 1       | 33,3 | 23,2 | 20510000000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for exterior use

| Article           | Male thread |          | Fine thread |            | Pipe thread |
|-------------------|-------------|----------|-------------|------------|-------------|
| GPN 205 K 10 x 12 | M 10        | M 10 x 1 | M 10 x 1,25 |            |             |
| GPN 205 K 12 x 12 | M 12        | M 12 x 1 | M 12 x 1,25 | M 12 x 1,5 |             |
| GPN 205 K 14 x 14 | M 14        | M 14 x 1 |             | M 14 x 1,5 |             |
| GPN 205 K 16 x 8  | M 16        | M 16 x 1 |             | M 16 x 1,5 |             |
| GPN 205 K 16 x 16 | M 16        | M 16 x 1 |             | M 16 x 1,5 |             |
| GPN 205 K 18 x 18 | M 18        | M 18 x 1 |             | M 18 x 1,5 |             |
| GPN 205 K 20 x 20 | M 20        | M 20 x 1 |             | M 20 x 1,5 |             |
| GPN 205 K 22 x 22 | M 22        | M 22 x 1 |             | M 22 x 1,5 |             |
| GPN 205 G 1/8     |             |          |             |            | G 1/8       |
| GPN 205 G 1/4     |             |          |             |            | G 1/4       |
| GPN 205 G 3/8     |             |          |             |            | G 3/8       |
| GPN 205 G 1/2     |             |          |             |            | G 1/2       |
| GPN 205 G 5/8     |             |          |             |            | G 5/8       |
| GPN 205 G 3/4     |             |          |             |            | G 3/4       |
| GPN 205 G 1       |             |          |             |            | G 1         |

This application table represents guideline values. We would be pleased to send you free samples.





**More versatile.**

Flexible material in combination with internal clamping surfaces help to accommodate larger tolerances.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Better.**

Suitable for studs, external threads, and pins. Easy-to-grip knurled collar and clamping surfaces for firm fit and low-abrasion removal.



**Seals better.**

Protection against foreign objects >1 mm

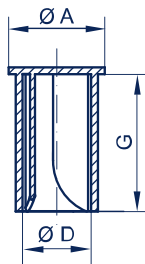




## Application

The GPN 207 protective caps are suitable for bolts, pins and external threads as well as SAE connectors. Flexible fins are suitable for use with different diameters. The space between the fins allows ventilation.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE blue**

100% PCR



**PCR-PE / PE-LD yellow**

Recycling blend



**PE-LD natural**

Virgin material

| Article        | E min | E max | A    | D    | G  | 100% PCR    | Recycling blend | Virgin material |
|----------------|-------|-------|------|------|----|-------------|-----------------|-----------------|
| GPN 207 FL 67  | 5,2   | 6,7   | 12   | 8    | 25 | 2070067RB61 | 20700671073     | 20700670000     |
| GPN 207 FL 73  | 5,8   | 7,3   | 13   | 9    | 25 | 2070073RB61 | 20700731073     | 20700730000     |
| GPN 207 FL 77  | 6,5   | 7,7   | 14   | 10   | 32 | 2070077RB61 | 20700771073     | 20700770000     |
| GPN 207 FL 80  | 6,5   | 8     | 14   | 10   | 20 | 2070080RB61 | 20700801073     | 20700800000     |
| GPN 207 FL 107 | 7,8   | 10,7  | 17   | 13,5 | 25 | 2070107RB61 | 20701071073     | 20701070000     |
| GPN 207 FL 123 | 9,3   | 12,3  | 18,5 | 14,3 | 23 | 2070123RB61 | 20701231073     | 20701230000     |
| GPN 207 FL 150 | 11,8  | 15    | 21   | 17,3 | 25 | 2070150RB61 | 20701501073     | 20701500000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for exterior use

| Article        | metric male thread | Pipe thread |
|----------------|--------------------|-------------|
| GPN 207 FL 73  | M 6                |             |
| GPN 207 FL 80  | M 8                |             |
| GPN 207 FL 107 | M 8   M 10         |             |
| GPN 207 FL 123 | M 10               | G 1/8       |
| GPN 207 FL 150 | M 12   M 14        | G 1/4       |

This application table represents guideline values. We would be pleased to send you free samples.

## Your added values:



### More versatile.

Suitable for different diameters due to flexible internal fins.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Better.

Internal fins providing venting and pressure equalisation. Suitable for studs, pins, external threads and the mating surfaces of SAE quick-connect plugs.



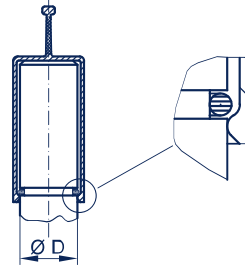
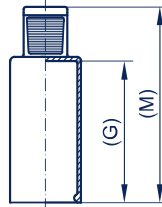
### Seals better.

Protection against foreign objects > 1 mm



## Application

The GPN 210 grip caps are suitable for protecting pipe ends, hoses and bolts. The internal sealing lip ensures an optimum clamping fit and a high sealing function. The ergonomically shaped grip tab enables easy handling during fitting and removal.



**PCR-TPE (EVAeq.)  
yellow**

**EVA  
yellow**

Recycling blend

Virgin material

| Article            | D  | G    | M    | PCR-TPE (EVAeq.)<br>yellow<br>Recycling blend | EVA<br>yellow<br>Virgin material |
|--------------------|----|------|------|-----------------------------------------------|----------------------------------|
| GPN 210 ZL 4 x 21  | 4  | 21,1 | 34,2 | 21004210086                                   | 21004210000                      |
| GPN 210 ZL 5 x 20  | 5  | 20   | 36,5 | 21005200086                                   | 21005200000                      |
| GPN 210 ZL 6 x 10  | 6  | 10   | 26,5 | 21006100086                                   | 21006100000                      |
| GPN 210 ZL 6 x 20  | 6  | 20   | 36,5 | 21006200086                                   | 21006200000                      |
| GPN 210 ZL 7 x 20  | 7  | 20   | 37   | 21007200086                                   | 21007200000                      |
| GPN 210 ZL 8 x 10  | 8  | 10   | 26,5 | 21008100086                                   | 21008100000                      |
| GPN 210 ZL 8 x 20  | 8  | 20   | 36,5 | 21008200086                                   | 21008200000                      |
| GPN 210 ZL 9 x 20  | 9  | 20   | 36,5 | 21009200086                                   | 21009200000                      |
| GPN 210 ZL 10 x 10 | 10 | 10   | 26,5 | 21010100086                                   | 21010100000                      |
| GPN 210 ZL 10 x 20 | 10 | 20   | 36,5 | 21010200086                                   | 21010200000                      |
| GPN 210 ZL 11 x 20 | 11 | 20   | 36,5 | 21011200086                                   | 21011200000                      |
| GPN 210 ZL 12 x 10 | 12 | 10   | 26,5 | 21012100086                                   | 21012100000                      |
| GPN 210 ZL 12 x 20 | 12 | 20   | 36,5 | 21012200086                                   | 21012200000                      |
| GPN 210 ZL 12 x 30 | 12 | 30   | 46,5 | 21012300086                                   | 21012300000                      |
| GPN 210 ZL 13 x 20 | 13 | 20   | 36,5 | 21013200086                                   | 21013200000                      |
| GPN 210 ZL 14 x 10 | 14 | 10   | 26,5 | 21014100086                                   | 21014100000                      |
| GPN 210 ZL 14 x 20 | 14 | 20   | 36,5 | 21014200086                                   | 21014200000                      |
| GPN 210 ZL 15 x 20 | 15 | 20   | 36,5 | 21015200086                                   | 21015200000                      |
| GPN 210 ZL 16 x 10 | 16 | 10   | 26,5 | 21016100086                                   | 21016100000                      |
| GPN 210 ZL 16 x 20 | 16 | 20   | 36,5 | 21016200086                                   | 21016200000                      |
| GPN 210 ZL 17 x 20 | 17 | 20   | 36,5 | 21017200086                                   | 21017200000                      |
| GPN 210 ZL 18 x 10 | 18 | 10   | 26,5 | 21018100086                                   | 21018100000                      |
| GPN 210 ZL 18 x 20 | 18 | 20   | 36,5 | 21018200086                                   | 21018200000                      |
| GPN 210 ZL 18 x 30 | 18 | 30   | 46,5 | 21018300086                                   | 21018300000                      |
| GPN 210 ZL 19 x 20 | 19 | 20   | 36,5 | 21019200086                                   | 21019200000                      |
| GPN 210 ZL 20 x 10 | 20 | 10   | 26,5 | 21020100086                                   | 21020100000                      |
| GPN 210 ZL 20 x 20 | 20 | 20   | 36,5 | 21020200086                                   | 21020200000                      |
| GPN 210 ZL 20 x 30 | 20 | 30   | 46,5 | 21020300086                                   | 21020300000                      |
| GPN 210 ZL 22 x 20 | 22 | 20   | 36,5 | 21022200086                                   | 21022200000                      |
| GPN 210 ZL 24 x 20 | 24 | 20   | 36,5 | 21024200086                                   | 21024200000                      |
| GPN 210 ZL 26 x 20 | 26 | 20   | 36,5 | 21026200086                                   | 21026200000                      |
| GPN 210 ZL 28 x 20 | 28 | 20   | 36,5 | 21028200086                                   | 21028200000                      |
| GPN 210 ZL 30 x 20 | 30 | 20   | 36,5 | 21030200086                                   | 21030200000                      |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**Saves time.**

With ergonomically designed removal tab for easy handling.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Better.**

Suitable for pipe ends, hoses, and studs. Protection against foreign objects > 1 mm fit.



**Seals better.**

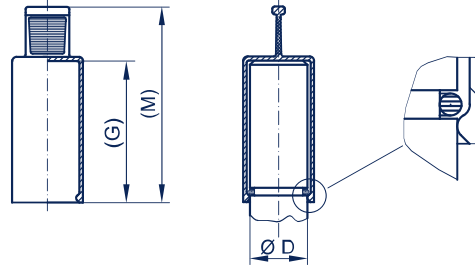
Link to GPN 210



## Application

The GPN 211 flexible grip caps are suitable for protecting pipe ends, hoses and bolts. The internal sealing lip ensures an optimum clamping fit and high tightness. The ergonomically shaped grip tab enables easy handling during fitting and removal. The flexible material can be used for different diameters and is heat-resistant up to 150° C for short periods.

All information about the recycling blend can be found in at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-TPE  
yellow**

**TPE  
yellow**

Recycling blend Virgin material

| Article            | D min | D max | G  | M    | Recycling blend | Virgin material |
|--------------------|-------|-------|----|------|-----------------|-----------------|
| GPN 211 ZL 4 x 21  | 4     | 5     | 21 | 34   | 21104210085     | 21104210000     |
| GPN 211 ZL 5 x 20  | 5     | 6     | 20 | 36   | 21105200085     | 21105200000     |
| GPN 211 ZL 6 x 10  | 6     | 7,5   | 10 | 26   | 21106100085     | 21106100000     |
| GPN 211 ZL 6 x 20  | 6     | 7,5   | 20 | 36   | 21106200085     | 21106200000     |
| GPN 211 ZL 7 x 20  | 7     | 8     | 20 | 37   | 21107200085     | 21107200000     |
| GPN 211 ZL 8 x 10  | 7,9   | 9     | 10 | 26   | 21108100085     | 21108100000     |
| GPN 211 ZL 8 x 20  | 7,9   | 9     | 20 | 36   | 21108200085     | 21108200000     |
| GPN 211 ZL 9 x 20  | 9     | 10,5  | 20 | 36   | 21109200085     | 21109200000     |
| GPN 211 ZL 10 x 10 | 9,9   | 11,5  | 10 | 26   | 21110100085     | 21110100000     |
| GPN 211 ZL 10 x 20 | 9,9   | 11,5  | 20 | 36   | 21110200085     | 21110200000     |
| GPN 211 ZL 11 x 20 | 10,8  | 12,5  | 20 | 36   | 21111200085     | 21111200000     |
| GPN 211 ZL 12 x 10 | 11,9  | 13    | 10 | 26   | 21112100085     | 21112100000     |
| GPN 211 ZL 12 x 20 | 11,9  | 13    | 20 | 36   | 21112200085     | 21112200000     |
| GPN 211 ZL 12 x 30 | 11,9  | 13    | 30 | 46,5 | 21112300085     | 21112300000     |
| GPN 211 ZL 13 x 20 | 12,9  | 15    | 20 | 36   | 21113200085     | 21113200000     |
| GPN 211 ZL 14 x 10 | 13,9  | 16    | 10 | 26   | 21114100085     | 21114100000     |
| GPN 211 ZL 14 x 20 | 13,9  | 16    | 20 | 36   | 21114200085     | 21114200000     |
| GPN 211 ZL 15 x 20 | 14,9  | 17    | 20 | 36   | 21115200085     | 21115200000     |
| GPN 211 ZL 16 x 10 | 15,9  | 18    | 10 | 26   | 21116100085     | 21116100000     |
| GPN 211 ZL 16 x 20 | 15,9  | 18    | 20 | 36   | 21116200085     | 21116200000     |
| GPN 211 ZL 17 x 20 | 16,9  | 19    | 20 | 36   | 21117200085     | 21117200000     |
| GPN 211 ZL 18 x 10 | 17,9  | 20    | 10 | 26   | 21118100085     | 21118100000     |
| GPN 211 ZL 18 x 20 | 17,9  | 20    | 20 | 36   | 21118200085     | 21118200000     |
| GPN 211 ZL 18 x 30 | 17,9  | 20    | 30 | 46,5 | 21118300085     | 21118300000     |
| GPN 211 ZL 19 x 20 | 18,9  | 21    | 20 | 36   | 21119200085     | 21119200000     |
| GPN 211 ZL 20 x 10 | 20    | 22    | 10 | 26   | 21120100085     | 21120100000     |
| GPN 211 ZL 20 x 20 | 20    | 22    | 20 | 36   | 21120200085     | 21120200000     |
| GPN 211 ZL 20 x 30 | 20    | 22    | 30 | 45   | 21120300085     | 21120300000     |
| GPN 211 ZL 22 x 20 | 22    | 24    | 20 | 36   | 21122200085     | 21122200000     |
| GPN 211 ZL 24 x 20 | 24    | 26    | 20 | 35   | 21124200085     | 21124200000     |
| GPN 211 ZL 26 x 20 | 26    | 28    | 20 | 36,5 | 21126200085     | 21126200000     |
| GPN 211 ZL 28 x 20 | 28    | 30    | 20 | 36,5 | 21128200085     | 21128200000     |
| GPN 211 ZL 30 x 20 | 30    | 32    | 20 | 36,5 | 21130200085     | 21130200000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

Engraving corresponds to standard series GPN 210.

## Your added values:



**Saves time.**

With ergonomically designed removal tab for easy handling.



**Higher temperature resistance.**

Heat resistant to 150 °C.



**More versatile.**

Suitable for different diameters due to flexible material. Free from plasticizers with SVHC\*\* relevance.



**Seals better.**

Protection against foreign objects > 1 mm



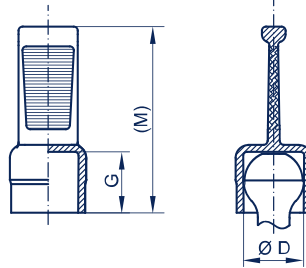
Link to GPN 211



## Application

The GPN 212 grip caps are particularly suitable for protecting pipes and ball sockets. The ergonomically shaped grip tab facilitates easy handling during fitting and removal. The flexible material allows the use of different counterpart geometries and is heat-resistant up to 150° C for short periods.

All information about the recycling blend can be found in at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article        | D min | D max | G    | M    | PCR-TPE yellow<br>Recycling blend | TPE yellow<br>Virgin material |
|----------------|-------|-------|------|------|-----------------------------------|-------------------------------|
| GPN 212 FM 76  | 8     | 8,8   | 7,8  | 23,3 | 21200760085                       | 21200760000                   |
| GPN 212 FM 77  | 8     | 9     | 10,1 | 25,4 | 21200770085                       | 21200770000                   |
| GPN 212 FM 88* | 9,4   | 10,1  | 11,1 | 26,8 | 21200880085                       | 21200880000                   |
| GPN 212 FM 102 | 10,3  | 11,2  | 8,7  | 24,2 | 21201020085                       | 21201020000                   |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

\* This size is supplied with internal clamping surfaces.

## Your added values:



### Saves time.

With ergonomically designed removal tab for easy handling.



### Higher temperature resistance.

Heat resistant to 150 °C.



### More versatile.

Suitable for different diameters due to flexible material. Free from plasticizers with SVHC\*\* relevance.



### Better.

Particularly suitable for ball linings.



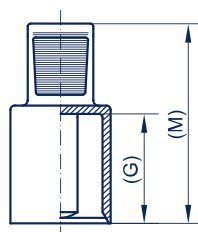
### Seals better.

Protection against foreign objects >1 mm



## Application

The GPN 215 grip caps are suitable for external threads, bolts and pins. The ergonomically shaped grip tab facilitates easy handling during fitting and removal. Interior surfaces accommodate large tolerances and ensuring an optimal clamping fit.



**EVA  
black**

| Article            | D  | G  | M    | Virgin material |
|--------------------|----|----|------|-----------------|
| GPN 215 ML 8 x 20  | 8  | 20 | 36,5 | 21508200000     |
| GPN 215 ML 10 x 20 | 10 | 20 | 36,5 | 21510200000     |
| GPN 215 ML 12 x 20 | 12 | 20 | 36,5 | 21512200000     |
| GPN 215 ML 14 x 20 | 14 | 20 | 36,5 | 21514200000     |
| GPN 215 ML 16 x 20 | 16 | 20 | 36,5 | 21516200000     |
| GPN 215 ML 17 x 20 | 17 | 20 | 36,5 | 21517200000     |
| GPN 215 ML 18 x 20 | 18 | 20 | 36,5 | 21518200000     |
| GPN 215 ML 19 x 20 | 19 | 20 | 36,5 | 21519200000     |
| GPN 215 ML 20 x 20 | 20 | 20 | 36,5 | 21520200000     |
| GPN 215 ML 22 x 20 | 22 | 20 | 36,5 | 21522200000     |
| GPN 215 ML 24 x 20 | 24 | 20 | 36,5 | 21524200000     |
| GPN 215 ML 26 x 20 | 26 | 20 | 36,5 | 21526200000     |
| GPN 215 ML 28 x 20 | 28 | 20 | 36,5 | 21528200000     |
| GPN 215 ML 30 x 20 | 30 | 20 | 36,5 | 21530200000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for exterior use

| Article            | Male thread |          | Fine thread |            |          |
|--------------------|-------------|----------|-------------|------------|----------|
| GPN 215 ML 8 x 20  | M 8         | M 8 x 1  |             |            |          |
| GPN 215 ML 10 x 20 | M 10        | M 10 x 1 | M 10 x 1,25 |            |          |
| GPN 215 ML 12 x 20 | M 12        | M 12 x 1 | M 12 x 1,25 | M 12 x 1,5 |          |
| GPN 215 ML 14 x 20 | M 14        | M 14 x 1 |             | M 14 x 1,5 |          |
| GPN 215 ML 16 x 20 | M 16        | M 16 x 1 |             | M 16 x 1,5 |          |
| GPN 215 ML 17 x 20 | M 17        | M 17 x 1 |             | M 17 x 1,5 |          |
| GPN 215 ML 18 x 20 | M 18        | M 18 x 1 |             | M 18 x 1,5 |          |
| GPN 215 ML 19 x 20 | M 19        | M 19 x 1 |             | M 19 x 1,5 |          |
| GPN 215 ML 20 x 20 | M 20        | M 20 x 1 |             | M 20 x 1,5 |          |
| GPN 215 ML 22 x 20 | M 22        | M 22 x 1 |             | M 22 x 1,5 | M 22 x 2 |
| GPN 215 ML 24 x 20 | M 24        | M 24 x 1 |             | M 24 x 1,5 | M 24 x 2 |
| GPN 215 ML 26 x 20 | M 26        | M 26 x 1 |             | M 26 x 1,5 | M 26 x 2 |
| GPN 215 ML 28 x 20 | M 28        | M 28 x 1 |             | M 28 x 1,5 | M 28 x 2 |
| GPN 215 ML 30 x 20 | M 30        | M 30 x 1 |             | M 30 x 1,5 | M 30 x 2 |

This application table represents guideline values. We would be pleased to send you free samples.





**Saves time.**

With ergonomically designed removal tab for easy handling.



**More versatile.**

Interior surfaces accommodate major tolerances, ensuring a tight fit.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Better.**

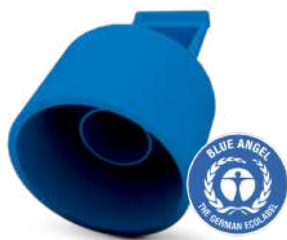
Suitable for outside threads and studs.



**Seals better.**

Protection against foreign objects >1 mm



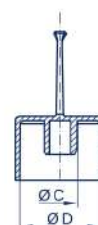
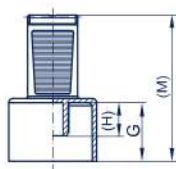


www.blauer-engel.de/uz30a

## Application

The GPN 220 pipe end caps are suitable for protecting pipes with an o-ring. The cap protects the o-ring from damage without touching it and prevents the ingress of dirt. The grip tab enables easy removal.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE blue**



**PCR-PE / PE-LD orange**



**PE-LLD orange**

| Article         | C    | D    | G    | H    | M    | 100% PCR    | Recycling blend | Virgin material |
|-----------------|------|------|------|------|------|-------------|-----------------|-----------------|
| GPN 220 / 0614  | 6,1  | 19   | 14   | 8    | 35   | 2200614RB61 | 22006140073     | 22006140000     |
| GPN 220 / 0714  | 7,6  | 19   | 14   | 8    | 35   | 2200714RB61 | 22007140073     | 22007140000     |
| GPN 220 / 0719* | 8,6  | 19   | 18,7 | 8    | 39,7 | 2200719RB61 | 22007190073     | 22007190000     |
| GPN 220 / 0814  | 8,2  | 19   | 14   | 8    | 35   | 2200814RB61 | 22008140073     | 22008140000     |
| GPN 220 / 0914  | 9,1  | 19   | 14   | 8    | 35   | 2200914RB61 | 22009140073     | 22009140000     |
| GPN 220 / 1014  | 10,2 | 19   | 14   | 8    | 35   | 2201014RB61 | 22010140073     | 22010140000     |
| GPN 220 / 1020  | 10,3 | 19   | 19,5 | 8    | 40,5 | 2201020RB61 | 22010200073     | 22010200000     |
| GPN 220 / 1123  | 11,7 | 22   | 23   | 11   | 44   | 2201123RB61 | 22011230073     | 22011230000     |
| GPN 220 / 1816  | 18,4 | 28   | 16   | 13   | 37   | 2201816RB61 | 22018160073     | 22018160000     |
| GPN 220 / 1911* | 18,5 | 30,1 | 10,5 | 10,5 | 30,8 | 2201911RB61 | 22019110073     | 22019110000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

\*These articles are made of PE-LD in virgin material.

## Your added values:



### Saves time.

With ergonomically designed removal tab for easy handling.



### Better.

Protection for braze-on port fittings. The cap is protecting the O-ring without touching it and provides limited sealing action against an ingress or outflow of fluids.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Seals better.

Protection against foreign objects > 1 mm

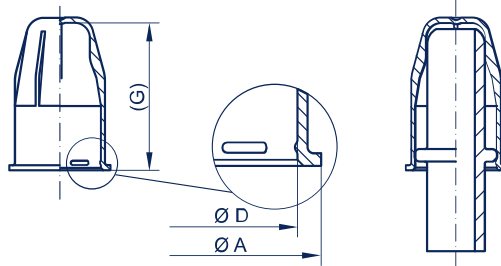
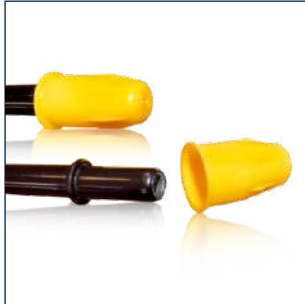




## Application

The GPN 240 protective caps are suitable for protecting the connection area of SAE quick-connect plugs. The protective cap is designed not to touch the sealing surface of the SAE connector and is suitable for pressure testing within certain limits.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



|              | PCR-PE<br>blue | PCR-PE / PE-LD<br>yellow | PE-LLD<br>yellow |
|--------------|----------------|--------------------------|------------------|
|              | 100% PCR       | Recycling blend          | Virgin material  |
| 2400008RB61  | 2400008RB61    | 24000080073              | 24000080000      |
| 24000095RB61 | 24000095RB61   | 240000950073             | 240000950000     |
| 2400010RB61  | 2400010RB61    | 24000100073              | 24000100000      |
| 2400012RB61  | 2400012RB61    | 24000120073              | 24000120000      |
| 2400018RB61  | 2400018RB61    | 24000180073              | 24000180000      |

| Article        | A    | D    | G    |
|----------------|------|------|------|
| GPN 240 MT 8   | 14,7 | 10,9 | 24,7 |
| GPN 240 MT 9,5 | 16,7 | 12,9 | 25,1 |
| GPN 240 MT 10  | 17,2 | 13,4 | 27,8 |
| GPN 240 MT 12  | 20,3 | 16,5 | 29,6 |
| GPN 240 MT 18  | 24,8 | 21   | 29,6 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Better fit.

For protecting the mating surfaces of SAE quick-connect plugs.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Better.

The sealing surface of the SAE connector remains untouched.



### Seals better.

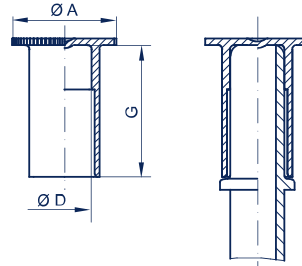
Protection against foreign objects > 1 mm



## Application

The GPN 241 SAE sealing caps are suitable for protecting the mating surfaces of SAE quick-connect plugs. The wider diameter of the collar prevents accidental assembly with a quick connector. Depending on the surface quality of the SAE connector, short-term pressurisation of approx. 1 bar is possible.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE blue**

100% PCR



**PCR-PE / PE-LD yellow**

Recycling blend



**PE-LD yellow**

Virgin material

| Article         | A    | D     | G    | 100% PCR    | Recycling blend | Virgin material |
|-----------------|------|-------|------|-------------|-----------------|-----------------|
| GPN 241 DF 4    | 13   | 4,6   | 18,9 | 2410047RB61 | 24100470000     | 24100470000     |
| GPN 241 DF 6    | 13,5 | 6,2   | 19,5 | 2410063RB61 | 24100630073     | 24100630000     |
| GPN 241 DF 8*   | 16   | 7,8   | 17,9 | 2410008RB61 | 24100080073     | 24100080000     |
| GPN 241 DF 9,5  | 17   | 9,4   | 19   | 2410095RB61 | 24100950073     | 24100950000     |
| GPN 241 DF 10   | 18   | 9,7   | 22,5 | 2410010RB61 | 24100100073     | 24100100000     |
| GPN 241 DF 11   | 20   | 10,95 | 24,4 | 2410011RB61 | 24100110073     | 24100110000     |
| GPN 241 DF 12,7 | 20   | 12,5  | 23,5 | 2410127RB61 | 24101270073     | 24101270000     |
| GPN 241 DF 16   | 24   | 15,45 | 24   | 2410016RB61 | 24100160073     | 24100160000     |
| GPN 241 DF 18   | 25   | 17,8  | 21   | 2410018RB61 | 24100180073     | 24100180000     |
| GPN 241 DF 19   | 30   | 18,8  | 24,5 | 2410019RB61 | 24100190073     | 24100190000     |
| GPN 241 DF 22   | 32   | 22,6  | 27,5 | 2410022RB61 | 24100220073     | 24100220000     |
| GPN 241 DF 25   | 32   | 25,4  | 27,5 | 2410025RB61 | 24100250073     | 24100250000     |
| GPN 241 DF 28   | 35   | 28,3  | 40,5 | 2410028RB61 | 24100280073     | 24100280000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

\*This size is supplied with inner ribs.

## Your added values:



### Better fit.

For protecting the mating surfaces of SAE quick-connect plugs.



### Seals better.

Depending on the surface quality of the SAE plug, a short-term pressurisation of approx. 1 bar is possible.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Better.

Diameter A prevents the inadvertent assembly with a quick connector.



### Seals better.

Protection against foreign objects >1 mm



# VDA Sealing Caps GPN 242

**NEW**

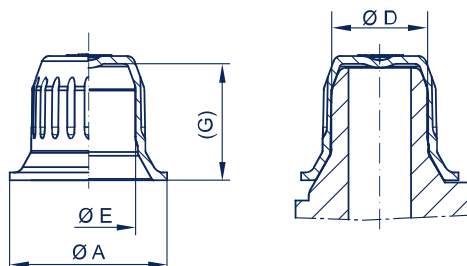


[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)

## Application

The VDA sealing caps GPN 242 are suitable for protecting the connection area of VDA quick-connect spigots and are suitable for variants with and without anti-turn device. The radially symmetrical design enables automated assembly and the non-slip, knurled shaft allows for quick disassembly. Clamping through clamping bars enables pressure equalisation and the VDA quick-release connectors are protected up to the chamfer. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

**100% PCR**

| Article        | VDA connector NW | D    | A    | E    | G    | 100% PCR    |
|----------------|------------------|------|------|------|------|-------------|
| GPN 242 NW 6   | 6                | 10,4 | 18,2 | 9,9  | 13,9 | 24200060000 |
| GPN 242 NW 8   | 8                | 12,4 | 20,2 | 12,1 | 14,9 | 24200080000 |
| GPN 242 NW 12  | 12               | 16,3 | 23,5 | 16   | 14,9 | 24200120000 |
| GPN 242 NW 14  | 14               | 17,7 | 24   | 17   | 12,9 | 24200140000 |
| GPN 242 NW 16  | 16               | 22,3 | 30,6 | 21,7 | 16,9 | 24200160000 |
| GPN 242 NW 18  | 18               | 24,3 | 33,2 | 23,9 | 17,4 | 24200180000 |
| GPN 242 NW 20  | 20               | 26,3 | 35,2 | 26   | 17,4 | 24200200000 |
| GPN 242 NW 26  | 26               | 32,5 | 41,4 | 32,2 | 18,4 | 24200260000 |
| GPN 242 NW 32  | 32               | 38,5 | 47,4 | 37,4 | 18,4 | 24200320000 |
| GPN 242 NW 35  | 35               | 41,5 | 49,6 | 40,7 | 18,5 | 24200350000 |
| GPN 242 NW 40  | 40               | 46   | 54,8 | 45,2 | 22,5 | 24200400000 |
| GPN 242 NW 45  | 45               | 51,5 | 60,4 | 50,7 | 21,4 | 24200450000 |
| GPN 242 NW 50  | 50               | 56,5 | 65,4 | 55,7 | 22   | 24200500000 |
| GPN 242 NSC 12 | 12               | 16,5 | 23,5 | 15,9 | 14,9 | 24201120000 |
| GPN 242 NSC 14 | 14               | 19,5 | 25,6 | 18,8 | 13,9 | 24201140000 |
| GPN 242 NSC 16 | 16               | 20,5 | 29,1 | 20,2 | 17,2 | 24201160000 |
| GPN 242 NSC 22 | 22               | 28,3 | 37,4 | 28,1 | 18,5 | 24201220000 |
| GPN 242 NSC 28 | 28               | 34,3 | 43,3 | 33,6 | 18,5 | 24201280000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

For protecting the mating surfaces of VDA quick-connect nozzles.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Better.

Suitable for variants with and without anti-turn device. Clamping bars enable pressure equalisation.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.

Link to GPN 242



# VDA Grip Caps GPN 243

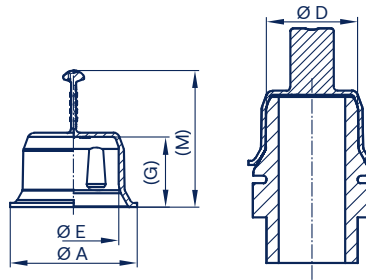
**NEW**



## Application

The VDA grip cap GPN 243 is suitable for protecting the connection area of VDA quick-connect spigots and is suitable for versions with and without anti-twist protection. The particularly grippy lug with protected lug design enables very quick assembly and disassembly. The clamping by means of clamping bars enables pressure equalisation and the VDA quick-release connectors are protected up to the chamfer. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

| Article        | VDA connector NW | D    | A    | E    | G    | M    | 100% PCR    |
|----------------|------------------|------|------|------|------|------|-------------|
| GPN 243 NW 6   | 6                | 10,4 | 18,2 | 9,8  | 13,9 | 29,9 | 24300060000 |
| GPN 243 NW 8   | 8                | 12,4 | 20,2 | 11,8 | 14,9 | 30,9 | 24300080000 |
| GPN 243 NW 12  | 12               | 16,3 | 23,5 | 15,7 | 14,9 | 30,9 | 24300120000 |
| GPN 243 NW 14  | 14               | 17,7 | 24   | 17,1 | 12,9 | 28,9 | 24300140000 |
| GPN 243 NW 18  | 18               | 24,3 | 33,2 | 23,9 | 17,4 | 33,4 | 24300180000 |
| GPN 243 NW 16  | 16               | 22,3 | 30,6 | 21,5 | 16,9 | 32,9 | 24300160000 |
| GPN 243 NW 20  | 20               | 26,3 | 35,2 | 25,7 | 17,4 | 33,4 | 24300200000 |
| GPN 243 NW 26  | 26               | 32,5 | 41,4 | 31,8 | 18,4 | 34,4 | 24300260000 |
| GPN 243 NW 32  | 32               | 38,5 | 47,4 | 37,5 | 18,4 | 34,4 | 24300320000 |
| GPN 243 NW 35  | 35               | 41,5 | 49,6 | 40,7 | 18,5 | 39,5 | 24300350000 |
| GPN 243 NW 40  | 40               | 46   | 54,8 | 45,2 | 22,5 | 43,5 | 24300400000 |
| GPN 243 NW 45  | 45               | 51,5 | 60,4 | 50,7 | 21,4 | 42,4 | 24300450000 |
| GPN 243 NW 50  | 50               | 56,5 | 65,4 | 55,7 | 22   | 43   | 24300500000 |
| GPN 243 NSC 12 | 12               | 16,5 | 23,5 | 15,9 | 14,9 | 30,9 | 24301120000 |
| GPN 243 NSC 14 | 14               | 19,5 | 25,6 | 18,6 | 13,9 | 29,9 | 24301140000 |
| GPN 243 NSC 16 | 16               | 20,5 | 29,1 | 20,2 | 17,2 | 33,2 | 24301160000 |
| GPN 243 NSC 22 | 22               | 28,3 | 37,4 | 28   | 18,5 | 34,4 | 24301220000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**More resource-saving.**

The plastic used consists of 100 % recycled material.



**Better fit.**

For protecting the mating surfaces of VDA quick-connect nozzles.



**Saves time.**

Newly designed removal tab for fast handling. Protected tab design.



**Better.**

Suitable for variants with and without anti-turn device. Clamping bars enable pressure equalisation.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



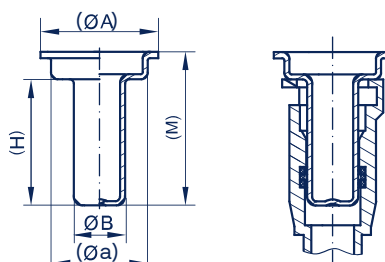
**Seals better.**

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



## Application

The QC plugs GPN 245 Type A are suitable for the protection of SAE quick connector couplings, based on SAE J2044. They clamp gently and securely onto the internal sealing rings of the connector. The QC plugs are suitable for pressure tests within certain limits.



**PE-HD**  
natural

| Article          | SAE coupling NW mm | SAE coupling NW inch | A  | a  | B    | H  | M    | Virgin material |
|------------------|--------------------|----------------------|----|----|------|----|------|-----------------|
| GPN 245 QC 8     | 8                  | 5/16                 | 26 | 22 | 7,6  | 27 | 33   | 24500080000     |
| GPN 245 QC 10    | 10                 | 7/16                 | 23 | 18 | 9,6  | 30 | 34   | 24500100000     |
| GPN 245 QC 12,7  | 12,7               | 1/2                  | 28 | 23 | 12,2 | 30 | 36,5 | 24501270000     |
| GPN 245 QC 14,24 | 14,24              | -                    | 32 | 28 | 13,4 | 28 | 34,5 | 24514240000     |
| GPN 245 QC 15,9  | 15,9               | 5/8                  | 34 | 30 | 15,7 | 35 | 43   | 24501590000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Better fit.

Suitable for SAE quick connectors in accordance with SAE J2044



### Seals better.

Suitable for pressure testing depending on the application.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Better.

Clamping is carried out gently and safely on the internal sealing rings of the connector.



### Seals better.

Protection against foreign objects > 1 mm



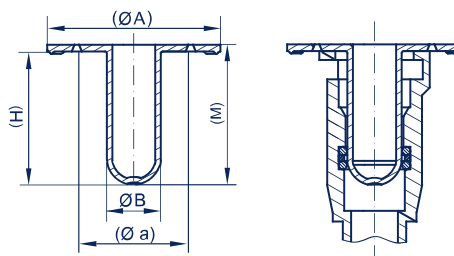
## Application

The QC plugs GPN 245 Type B are suitable for the protection of SAE quick connector couplings, based on SAE J2044. They clamp gently and securely onto the internal sealing rings of the connector. The QC plugs are suitable for pressure tests within certain limits. The ring lug enables easy assembly and disassembly.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



**PCR-PE  
blue**

**PCR-PE / PE-LD  
yellow**

**PE-LD  
natural**

| Article           | SAE coupling NW mm | SAE coupling NW inch | A    | a    | B    | H    | M    | 100% PCR    | Recycling blend | Virgin material |
|-------------------|--------------------|----------------------|------|------|------|------|------|-------------|-----------------|-----------------|
| GPN 245 QCL 6,35  | 6.35               | 1/4                  | 31,6 | 20,6 | 6,35 | 25,3 | 26,8 | 2460635RB61 | 24606351073     | 24606350000     |
| GPN 245 QCL 8     | 8                  | 5/16                 | 35   | 21   | 7,7  | 26   | 27,5 | 2460095RB61 | 24600951073     | 24600950000     |
| GPN 245 QCL 9,5   | 9.5                | 3/8                  | 30,8 | 16,8 | 9,5  | 25,8 | 27,3 | 2460010RB61 | 24600101073     | 24600100000     |
| GPN 245 QCL 10    | 10                 | -                    | 32,8 | 18,8 | 9,7  | 30   | 31,5 | 2460012RB61 | 24600121073     | 24600120000     |
| GPN 245 QCL 11,11 | 11.11              | 7/16                 | 38   | 24   | 11   | 29,2 | 30,7 | 2461905RB61 | 24619051073     | 24619050000     |
| GPN 245 QCL 12    | 12                 | -                    | 38   | 24   | 11,8 | 29,2 | 30,7 | 2462540RB61 | 24625401073     | 24625400000     |
| GPN 245 QCL 19,05 | 19.05              | 3/4                  | 50   | 36   | 18,8 | 28   | 29,5 |             |                 |                 |
| GPN 245 QCL 25,4  | 25.4               | 1                    | 53,5 | 39,5 | 25,4 | 34   | 35,5 |             |                 |                 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**Better fit.**

Suitable for SAE quick connectors in accordance with SAE J2044



**Seals better.**

Suitable for pressure testing depending on the application.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Better.**

Clamping is carried out gently and safely on the internal sealing rings of the connector.



**Seals better.**

Protection against foreign objects > 1 mm



# VDA Sealing Plugs GPN 247

**NEW**

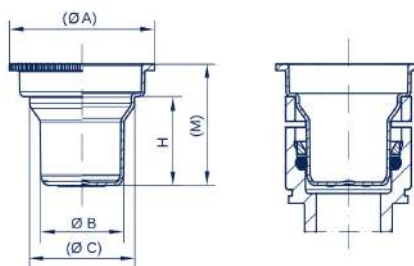


[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)

## Application

The VDA sealing plugs GPN 247 are suitable for protecting the connection area of VDA quick-release couplings. The clamping at the upper edge offers special protection. Sealing is carried out gently and securely on the internal sealing rings of the connector. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

| Article        | VDA coupling NW | A    | B    | C    | H    | M    | 100% PCR    |
|----------------|-----------------|------|------|------|------|------|-------------|
| GPN 247 NW 6   | 6               | 25   | 9,9  | 16   | 21,3 | 29,5 | 24700060000 |
| GPN 247 NW 8   | 8               | 29   | 12   | 18   | 22,7 | 30,8 | 24700080000 |
| GPN 247 NW 12  | 12              | 33   | 15,8 | 21,1 | 22,8 | 31,8 | 24700120000 |
| GPN 247 NW 14  | 14              | 32,6 | 17,2 | 21,1 | 29,2 | 31,6 | 24700140000 |
| GPN 247 NW 16  | 16              | 41   | 21,9 | 28,1 | 27,3 | 37,3 | 24700160000 |
| GPN 247 NW 20  | 20              | 45   | 25,9 | 32,5 | 27,3 | 37,5 | 24700200000 |
| GPN 247 NW 26  | 26              | 51,4 | 32   | 39,1 | 29,2 | 39,5 | 24700260000 |
| GPN 247 NW 32  | 32              | 57,4 | 37   | 45,1 | 29,2 | 40   | 24700320000 |
| GPN 247 NW 35  | 35              | 60,4 | 40,8 | 48,1 | 29,2 | 41,5 | 24700350000 |
| GPN 247 NW 40  | 40              | 65,4 | 45,8 | 53,1 | 29,2 | 45   | 24700400000 |
| GPN 247 NW 45  | 45              | 70,4 | 50,8 | 58,1 | 29,2 | 43,5 | 24700450000 |
| GPN 247 NW 50  | 50              | 75,4 | 55,8 | 63,1 | 29,2 | 44,8 | 24700500000 |
| GPN 247 NSC 12 | 12              | 33,6 | 16,6 | 21,1 | 24,9 | 31,8 | 24701120000 |
| GPN 247 NSC 14 | 14              | 36,6 | 19,5 | 21,1 | 29,2 | 37,3 | 24701140000 |
| GPN 247 NSC 16 | 16              | 38   | 21   | 25,2 | 27,3 | 37,3 | 24701160000 |
| GPN 247 NSC 22 | 22              | 37,4 | 28,8 | 35,6 | 29,2 | 39,5 | 24701220000 |
| GPN 247 NSC 28 | 28              | 43,3 | 34,8 | 41,6 | 29,2 | 40   | 24701280000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

For protecting the mating surfaces of VDA quick connectors.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Better.

Clamping is carried out gently and safely on the internal sealing rings of the connector.



### Seals better.

Protection against foreign objects >1 mm

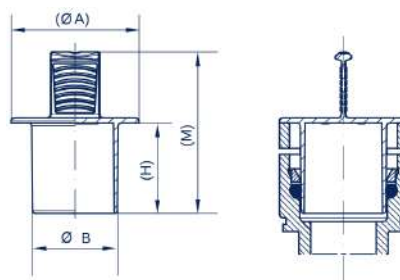
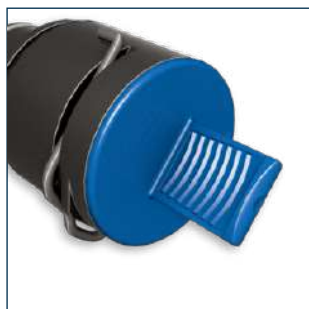


**NEW**

## Application

The VDA sealing plugs with tab GPN 248 are suitable for protecting the connection area of VDA quick-release couplings. They are clamped gently and securely onto the internal sealing rings of the connector. The innovative grip tab with protected tab design enables very quick assembly and disassembly. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE**  
**blue**

| Article       | VDA coupling NW | A    | B    | H    | M    | 100% PCR    |
|---------------|-----------------|------|------|------|------|-------------|
| GPN 248 NW 6  | 6               | 20,4 | 10   | 20,8 | 42,3 | 24800060000 |
| GPN 248 NW 8  | 8               | 24,4 | 12   | 22,1 | 43,6 | 24800080000 |
| GPN 248 NW 12 | 12              | 28,4 | 15,8 | 22,2 | 43,8 | 24800120000 |
| GPN 248 NW 14 | 14              | 27   | 17,2 | 21   | 42,6 | 24800140000 |
| GPN 248 NW 16 | 16              | 35   | 21,9 | 26,5 | 48,1 | 24800160000 |
| GPN 248 NW 18 | 18              | 52   | 37,9 | 28,8 | 50,4 | 24800180000 |
| GPN 248 NW 20 | 20              | 39   | 26,1 | 26,6 | 48,2 | 24800200000 |
| GPN 248 NW 26 | 26              | 46   | 31,9 | 28,3 | 49,9 | 24800260000 |
| GPN 248 NW 32 | 32              | 52   | 37,9 | 28,8 | 50,4 | 24800320000 |
| GPN 248 NW 40 | 40              | 60,5 | 45,9 | 32,3 | 53,9 | 24800400000 |
| GPN 248 NW 45 | 45              | 66,5 | 50,9 | 30,8 | 52,4 | 24800450000 |
| GPN 248 NW 50 | 50              | 71   | 55,9 | 32,1 | 53,7 | 24800500000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

For protecting the mating surfaces of VDA quick connectors.



### Saves time.

Newly designed removal tab for fast handling. Protected tab design.



### Better.

Clamping is carried out gently and safely on the internal sealing rings of the connector.



### Seals better.

Protection against foreign objects >1 mm



# Protective Caps for Pipes GPN 250

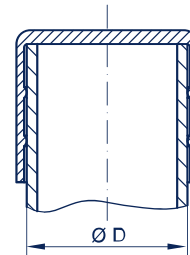
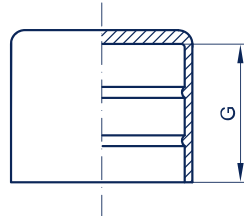
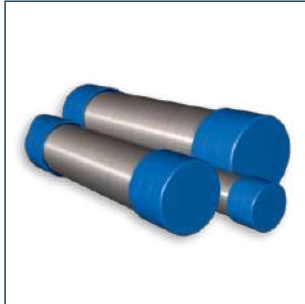
## Application

The GPN 250 protective caps for pipes protect pipes pursuant to DIN EN 10220, DIN EN 10255 and DIN EN ISO 1127 as well as external threads. Due to their thick-walled design, they are suitable for increased loads. The 180° offset beads ensure pressure equalisation.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



**PCR-PE  
blue**

**PCR-PE / PE-LD  
yellow**

**PE-LD  
yellow**

| Article         | External thread | D     | G    | 100% PCR    | Recycling blend | Virgin material |
|-----------------|-----------------|-------|------|-------------|-----------------|-----------------|
| GPN 250 / 4     |                 | 4     | 19,5 | 2500040RB61 | 25000400073     | 25000400000     |
| GPN 250 / 8     |                 | 8     | 14   | 2500080RB61 | 25000800073     | 25000800000     |
| GPN 250 / 10,2  | G 1/8           | 10,2  | 19,5 | 2500102RB61 | 25001020073     | 25001020000     |
| GPN 250 / 12    |                 | 12    | 20   | 2500120RB61 | 25001200073     | 25001200000     |
| GPN 250 / 13,5  | G 1/4           | 13,5  | 20   | 2500135RB61 | 25001350073     | 25001350000     |
| GPN 250 / 14    |                 | 14    | 20   | 2500140RB61 | 25001400073     | 25001400000     |
| GPN 250 / 15    |                 | 15    | 19,5 | 2500150RB61 | 25001500073     | 25001500000     |
| GPN 250 / 16    |                 | 16    | 20   | 2500160RB61 | 25001600073     | 25001600000     |
| GPN 250 / 16,75 |                 | 16,8  | 19,5 | 2500167RB61 | 25001670073     | 25001670000     |
| GPN 250 / 17,2  | G 3/8           | 17,2  | 20,5 | 2500172RB61 | 25001720073     | 25001720000     |
| GPN 250 / 18    |                 | 18    | 20   | 2500180RB61 | 25001800073     | 25001800000     |
| GPN 250 / 20    |                 | 20    | 20   | 2500200RB61 | 25002000073     | 25002000000     |
| GPN 250 / 21,3  | G 1/2           | 21,3  | 20   | 2500213RB61 | 25002130073     | 25002130000     |
| GPN 250 / 22    |                 | 22    | 20   | 2500220RB61 | 25002200073     | 25002200000     |
| GPN 250 / 24    |                 | 24    | 20   | 2500240RB61 | 25002400073     | 25002400000     |
| GPN 250 / 25    |                 | 25    | 20   | 2500250RB61 | 25002500073     | 25002500000     |
| GPN 250 / 26    |                 | 26    | 27   | 2500260RB61 | 25002600073     | 25002600000     |
| GPN 250 / 26,9  | G 3/4           | 26,9  | 27,5 | 2500269RB61 | 25002690073     | 25002690000     |
| GPN 250 / 28    |                 | 28    | 27   | 2500280RB61 | 25002800073     | 25002800000     |
| GPN 250 / 30    |                 | 30    | 27,5 | 2500300RB61 | 25003000073     | 25003000000     |
| GPN 250 / 32    |                 | 31,8  | 27,5 | 2500320RB61 | 25003200073     | 25003200000     |
| GPN 250 / 32,5  |                 | 32,5  | 15   | 2500325RB61 | 25003250073     | 25003250000     |
| GPN 250 / 33,7  | G 1             | 33,7  | 28   | 2500337RB61 | 25003370073     | 25003370000     |
| GPN 250 / 35    |                 | 35    | 27   | 2500350RB61 | 25003500073     | 25003500000     |
| GPN 250 / 38    |                 | 38    | 27,5 | 2500380RB61 | 25003800073     | 25003800000     |
| GPN 250 / 40    |                 | 40    | 27   | 2500400RB61 | 25004000073     | 25004000000     |
| GPN 250 / 41,5  |                 | 41,5  | 27   | 2500415RB61 | 25004150073     | 25004150000     |
| GPN 250 / 42,4  | G 1 1/4         | 42,4  | 35,5 | 2500424RB61 | 25004240073     | 25004240000     |
| GPN 250 / 44,5  | G 1 3/8         | 44,5  | 35   | 2500445RB61 | 25004450073     | 25004450000     |
| GPN 250 / 48,3  | G 1 1/2         | 48,3  | 35   | 2500483RB61 | 25004830073     | 25004830000     |
| GPN 250 / 50    |                 | 50    | 34,5 | 2500500RB61 | 25005000073     | 25005000000     |
| GPN 250 / 51    |                 | 51    | 35   | 2500510RB61 | 25005100073     | 25005100000     |
| GPN 250 / 54    | G 1 3/4         | 54    | 35   | 2500540RB61 | 25005400073     | 25005400000     |
| GPN 250 / 57    |                 | 57    | 35   | 2500570RB61 | 25005700073     | 25005700000     |
| GPN 250 / 60    | G 2             | 60,3  | 36   | 2500600RB61 | 25006000073     | 25006000000     |
| GPN 250 / 63,5  |                 | 63,5  | 35   | 2500635RB61 | 25006350073     | 25006350000     |
| GPN 250 / 70    |                 | 70    | 36   | 2500700RB61 | 25007000073     | 25007000000     |
| GPN 250 / 73    |                 | 73    | 34,5 | 2500730RB61 | 25007300073     | 25007300000     |
| GPN 250 / 76    | G 2 1/2         | 76,1  | 36   | 2500760RB61 | 25007600073     | 25007600000     |
| GPN 250 / 83    | G 2 3/4         | 82,5  | 35   | 2500830RB61 | 25008300073     | 25008300000     |
| GPN 250 / 87,9  | G 3             | 87,9  | 34,5 | 2500879RB61 | 25008790073     | 25008790000     |
| GPN 250 / 89    |                 | 88,9  | 35   | 2500890RB61 | 25008900073     | 25008900000     |
| GPN 250 / 95    |                 | 95    | 35   | 2500950RB61 | 25009500073     | 25009500000     |
| GPN 250 / 102   |                 | 101,6 | 34,5 | 2501020RB61 | 25010200073     | 25010200000     |
| GPN 250 / 108   |                 | 108   | 34,5 | 2501080RB61 | 25010800073     | 25010800000     |
| GPN 250 / 113   | G 4             | 113   | 40,5 | 2501130RB61 | 25011300073     | 25011300000     |
| GPN 250 / 114,3 |                 | 114,3 | 35,5 | 2501143RB61 | 25011430073     | 25011430000     |
| GPN 250 / 121   |                 | 121   | 34,5 | 2501210RB61 | 25012100073     | 25012100000     |
| GPN 250 / 127   | G 4 1/2         | 127   | 34,5 | 2501270RB61 | 25012700073     | 25012700000     |
| GPN 250 / 130   |                 | 130   | 34,5 | 2501300RB61 | 25013000073     | 25013000000     |
| GPN 250 / 133   |                 | 133   | 34,5 | 2501330RB61 | 25013300073     | 25013300000     |
| GPN 250 / 139,7 | G 5             | 139,7 | 34,5 | 2501397RB61 | 25013970073     | 25013970000     |
| GPN 250 / 146   |                 | 146   | 35   | 2501460RB61 | 25014600073     | 25014600000     |
| GPN 250 / 152,4 | G 5 1/2         | 152,4 | 35   | 2501524RB61 | 25015240073     | 25015240000     |



# Protective Caps for Pipes

## GPN 250



| Article         | External thread | D     | G    | PCR-PE<br>blue | PCR-PE / PE-LD<br>yellow | PE-LD<br>yellow |
|-----------------|-----------------|-------|------|----------------|--------------------------|-----------------|
|                 |                 |       |      | 100% PCR       | Recycling blend          | Virgin material |
| GPN 250 / 159   |                 | 159   | 34,5 | 2501590RB61    | 25015900073              | 25015900000     |
| GPN 250 / 168,3 | G 6             | 168,3 | 34,5 | 2501683RB61    | 25016830073              | 25016830000     |
| GPN 250 / 174,9 |                 | 174,9 | 20   | 2501749RB61    | 25017490073              | 25017490000     |
| GPN 250 / 219   | G 8             | 219   | 41   |                |                          | 25021900000     |
| GPN 250 / 273   | G 10            | 273   | 41,5 |                |                          | 25027300000     |
| GPN 250 / 323,9 | G 12            | 323,9 | 45,5 |                |                          | 25032390000     |
| GPN 250 / 355,6 | G 14            | 355,6 | 54   |                |                          | 25035560000     |
| GPN 250 / 406,4 | G 16            | 406,4 | 53   |                |                          | 25040640000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

Items from GPN 250 / 219 are made of PE-LLD.

### Your added values:



**Better fit.**

Protection for pipes in accordance with DIN EN 10220, DIN EN 10255, and DIN EN ISO 1127.



**More robust.**



**Better.**

Discontinuous internal beads offset by 180° degrees, permit venting and pressure equalisation for pressure compensation.



**Seals better.**

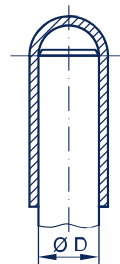
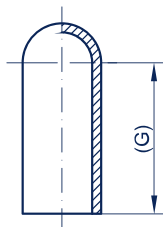
Protection against foreign objects > 1 mm





## Application

The GPN 255 protective caps are suitable for the protection of bolts and pipe ends and are temporarily heat-resistant up to 250°C. The tear-resistant material can be exposed to increased stress. At the same time, the flexible material covers larger tolerances.



**SI**  
**natural**

| Article       | D   | G    | Virgin material |
|---------------|-----|------|-----------------|
| GPN 255 / 2   | 2   | 25,4 | 25500200000     |
| GPN 255 / 2,5 | 2,5 | 19   | 25500250000     |
| GPN 255 / 3   | 3   | 25,4 | 25500300000     |
| GPN 255 / 3,5 | 3,5 | 25,4 | 25500350000     |
| GPN 255 / 4   | 4   | 25,4 | 25500400000     |
| GPN 255 / 5   | 5   | 25,4 | 25500500000     |
| GPN 255 / 6   | 6   | 38,1 | 25500600000     |
| GPN 255 / 8   | 8   | 38,1 | 25500800000     |
| GPN 255 / 10  | 10  | 38,1 | 25501000000     |
| GPN 255 / 12  | 12  | 38,1 | 25501200000     |
| GPN 255 / 14  | 14  | 38,1 | 25501400000     |
| GPN 255 / 15  | 15  | 38,1 | 25501500000     |
| GPN 255 / 16  | 16  | 38,1 | 25501600000     |
| GPN 255 / 17  | 17  | 38,1 | 25501700000     |
| GPN 255 / 18  | 18  | 38,1 | 25501800000     |
| GPN 255 / 20  | 20  | 38,1 | 25502000000     |
| GPN 255 / 22  | 22  | 38,1 | 25502200000     |
| GPN 255 / 24  | 24  | 38,1 | 25502400000     |
| GPN 255 / 25  | 25  | 38,1 | 25502500000     |
| GPN 255 / 27  | 27  | 38,1 | 25502700000     |
| GPN 255 / 30  | 30  | 38,1 | 25503000000     |
| GPN 255 / 33  | 33  | 38,1 | 25503300000     |
| GPN 255 / 36  | 36  | 44,5 | 25503600000     |
| GPN 255 / 39  | 39  | 44,5 | 25503900000     |
| GPN 255 / 42  | 42  | 50,8 | 25504200000     |
| GPN 255 / 45  | 45  | 50,8 | 25504500000     |
| GPN 255 / 48  | 48  | 50,8 | 25504800000     |
| GPN 255 / 52  | 52  | 50,8 | 25505200000     |

Dimensions in mm.

Clear burrs as well as partial foreign particles are permissible with these articles. We recommend that functional tests be carried out before series production. Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Higher temperature resistance.

Extremely heat resistant up to 250 °C



### More robust.

Highly tear-resistant material for increased demands.



### More versatile.

Flexible material for accommodating larger tolerances.



### Better.

Protection for studs and pipe ends.



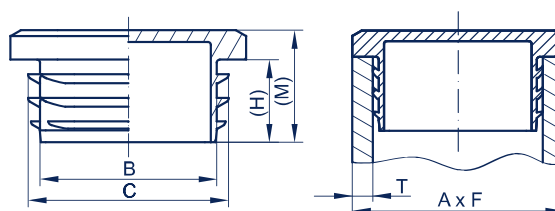
### Seals better.

Protection against foreign objects > 1 mm



## Application

The GPN 260 square plugs protect square pipes from damage and dirt. The reinforced head area is suitable for higher demands and the ribs ensure a firm fit in the pipe. The square plugs impress with their high-quality appearance thanks to a grained head surface and side chamfer.



**PE-LLD  
black**

| Article              | A   | F   | T min | T max | B   | C   | H  | M  | Virgin material |
|----------------------|-----|-----|-------|-------|-----|-----|----|----|-----------------|
| GPN 260 Q 1212 1,5-2 | 12  | 12  | 1,5   | 2     | 7   | 10  | 11 | 15 | 26012120000     |
| GPN 260 Q 1515 1,5-2 | 15  | 15  | 1,5   | 2     | 10  | 13  | 11 | 15 | 26015150000     |
| GPN 260 Q 1616 1,5-2 | 16  | 16  | 1,5   | 2     | 11  | 14  | 11 | 15 | 26016160000     |
| GPN 260 Q 1818 1,5-2 | 18  | 18  | 1,5   | 2     | 13  | 16  | 11 | 15 | 26018180000     |
| GPN 260 Q 2020 1,5-2 | 20  | 20  | 1,5   | 2     | 15  | 18  | 11 | 15 | 26020200000     |
| GPN 260 Q 2222 1,5-2 | 22  | 22  | 1,5   | 2     | 16  | 20  | 14 | 19 | 26022220000     |
| GPN 260 Q 2525 1,5-2 | 25  | 25  | 1,5   | 2     | 19  | 23  | 14 | 19 | 26025250000     |
| GPN 260 Q 2525 3     | 25  | 25  | 3     | 3     | 17  | 21  | 14 | 19 | 26025280000     |
| GPN 260 Q 3030 1,5-2 | 30  | 30  | 1,5   | 2     | 24  | 28  | 14 | 19 | 26030300000     |
| GPN 260 Q 3030 3     | 30  | 30  | 3     | 3     | 22  | 26  | 14 | 19 | 26030330000     |
| GPN 260 Q 3434 1,5-2 | 34  | 34  | 1,5   | 2     | 28  | 32  | 14 | 19 | 26034340000     |
| GPN 260 Q 3434 3     | 34  | 34  | 3     | 3     | 26  | 30  | 14 | 19 | 26034370000     |
| GPN 260 Q 4040 1,5-2 | 40  | 40  | 1,5   | 2     | 34  | 38  | 14 | 19 | 26040400000     |
| GPN 260 Q 4040 3     | 40  | 40  | 3     | 3     | 32  | 36  | 14 | 19 | 26040430000     |
| GPN 260 Q 4040 4     | 40  | 40  | 4     | 4     | 30  | 34  | 14 | 19 | 26040440000     |
| GPN 260 Q 4040 5     | 40  | 40  | 5     | 5     | 28  | 32  | 14 | 19 | 26040450000     |
| GPN 260 Q 4545 1,5-2 | 45  | 45  | 1,5   | 2     | 39  | 43  | 14 | 19 | 26045450000     |
| GPN 260 Q 5050 1,5-2 | 50  | 50  | 1,5   | 2     | 44  | 48  | 14 | 19 | 26050500000     |
| GPN 260 Q 5050 3     | 50  | 50  | 3     | 3     | 42  | 46  | 14 | 19 | 26050530000     |
| GPN 260 Q 5050 5     | 50  | 50  | 5     | 5     | 38  | 42  | 14 | 19 | 26050550000     |
| GPN 260 Q 6060 1,5-2 | 60  | 60  | 1,5   | 2     | 54  | 58  | 14 | 19 | 26060600000     |
| GPN 260 Q 6060 4     | 60  | 60  | 4     | 4     | 50  | 54  | 14 | 19 | 26060640000     |
| GPN 260 Q 6060 5     | 60  | 60  | 5     | 5     | 48  | 52  | 14 | 19 | 26060650000     |
| GPN 260 Q 7070 3     | 70  | 70  | 3     | 3     | 61  | 66  | 17 | 22 | 26070700000     |
| GPN 260 Q 7070 4     | 70  | 70  | 4     | 4     | 59  | 64  | 17 | 22 | 26070740000     |
| GPN 260 Q 8080 3     | 80  | 80  | 3     | 3     | 71  | 76  | 17 | 22 | 26080800000     |
| GPN 260 Q 9090 1,5-2 | 90  | 90  | 1,5   | 2     | 83  | 88  | 17 | 22 | 26090900000     |
| GPN 260 Q 9090 5     | 90  | 90  | 5     | 5     | 77  | 82  | 17 | 22 | 26090950000     |
| GPN 260 Q 100100 3   | 100 | 100 | 3     | 3     | 91  | 96  | 17 | 22 | 26010010000     |
| GPN 260 Q 100100 5   | 100 | 100 | 5     | 5     | 87  | 92  | 17 | 22 | 26010050000     |
| GPN 260 Q 120120 5   | 120 | 120 | 5     | 5     | 107 | 112 | 17 | 22 | 26012010000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More robust.

Reinforced head area for higher demands.



### Better.

For closing of section tubes. Distinctive external ribs provide a secure press fit. High visual appeal due to grained top surface finish and chamfered edges.



### Seals better.

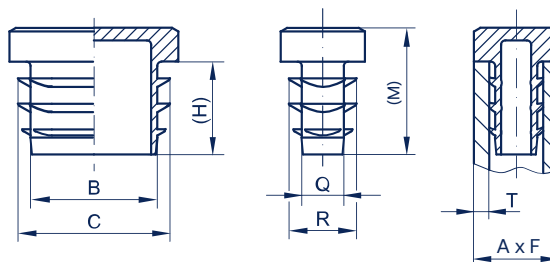
Protection against foreign objects >1 mm



# Rectangular Plugs GPN 270

## Application

The GPN 270 rectangular plugs protect rectangular pipes from damage and dirt. The reinforced head area is suitable for higher demands and the ribs ensure a firm fit in the pipe. The rectangular plugs impress with their high-quality appearance thanks to a grained head surface and side chamfer.



**PE-LLD  
black**

| Article               | A   | F  | T min | T max | B   | C   | H  | M  | Q  | R  | Virgin material |
|-----------------------|-----|----|-------|-------|-----|-----|----|----|----|----|-----------------|
| GPN 270 R 2010 1,5-2  | 20  | 10 | 1,5   | 2     | 15  | 18  | 11 | 15 | 5  | 8  | 27020100000     |
| GPN 270 R 2015 1,5-2  | 20  | 15 | 1,5   | 2     | 15  | 18  | 11 | 15 | 10 | 13 | 27020150000     |
| GPN 270 R 2510 1,5-2  | 25  | 10 | 1,5   | 2     | 20  | 23  | 11 | 15 | 5  | 8  | 27025100000     |
| GPN 270 R 2515 1,5-2  | 25  | 15 | 1,5   | 2     | 20  | 23  | 11 | 15 | 10 | 13 | 27025150000     |
| GPN 270 R 2520 1,5-2  | 25  | 20 | 1,5   | 2     | 20  | 23  | 11 | 15 | 15 | 18 | 27025200000     |
| GPN 270 R 3010 1,5-2  | 30  | 10 | 1,5   | 2     | 25  | 28  | 11 | 15 | 5  | 8  | 27030100000     |
| GPN 270 R 3015 1,5-2  | 30  | 15 | 1,5   | 2     | 25  | 28  | 11 | 15 | 10 | 13 | 27030150000     |
| GPN 270 R 3020 1,5-2  | 30  | 20 | 1,5   | 2     | 25  | 28  | 11 | 15 | 15 | 18 | 27030200000     |
| GPN 270 R 3020 3      | 30  | 20 | 3     | 3     | 23  | 26  | 11 | 15 | 13 | 16 | 27030230000     |
| GPN 270 R 3025 1,5-2  | 30  | 25 | 1,5   | 2     | 24  | 28  | 14 | 19 | 19 | 23 | 27030250000     |
| GPN 270 R 3520 1,5-2  | 35  | 20 | 1,5   | 2     | 29  | 33  | 14 | 19 | 14 | 18 | 27035200000     |
| GPN 270 R 3525 1,5-2  | 35  | 25 | 1,5   | 2     | 29  | 33  | 14 | 19 | 19 | 23 | 27035250000     |
| GPN 270 R 3530 1,5-2  | 35  | 30 | 1,5   | 2     | 29  | 33  | 14 | 19 | 24 | 28 | 27035300000     |
| GPN 270 R 4010 1,5-2  | 40  | 10 | 1,5   | 2     | 34  | 38  | 14 | 19 | 4  | 8  | 27040100000     |
| GPN 270 R 4015 1,5-2  | 40  | 15 | 1,5   | 2     | 34  | 38  | 14 | 19 | 9  | 13 | 27040150000     |
| GPN 270 R 4020 1,5-2  | 40  | 20 | 1,5   | 2     | 34  | 38  | 14 | 19 | 14 | 18 | 27040200000     |
| GPN 270 R 4020 3      | 40  | 20 | 3     | 3     | 32  | 36  | 14 | 19 | 12 | 16 | 27040230000     |
| GPN 270 R 4025 1,5-2  | 40  | 25 | 1,5   | 2     | 34  | 38  | 14 | 19 | 19 | 23 | 27040250000     |
| GPN 270 R 4030 1,5-2  | 40  | 30 | 1,5   | 2     | 34  | 38  | 14 | 19 | 24 | 28 | 27040300000     |
| GPN 270 R 4030 3      | 40  | 30 | 3     | 3     | 32  | 36  | 14 | 19 | 22 | 26 | 27040330000     |
| GPN 270 R 4515 1,5-2  | 45  | 15 | 1,5   | 2     | 39  | 43  | 14 | 19 | 9  | 13 | 27045150000     |
| GPN 270 R 4520 1,5-2  | 45  | 20 | 1,5   | 2     | 39  | 43  | 14 | 19 | 14 | 18 | 27045200000     |
| GPN 270 R 4525 1,5-2  | 45  | 25 | 1,5   | 2     | 39  | 43  | 14 | 19 | 19 | 23 | 27045250000     |
| GPN 270 R 4838 1,5-2  | 48  | 38 | 1,5   | 2     | 42  | 46  | 14 | 19 | 32 | 36 | 27048380000     |
| GPN 270 R 5020 1,5-2  | 50  | 20 | 1,5   | 2     | 44  | 48  | 14 | 19 | 14 | 18 | 27050200000     |
| GPN 270 R 5025 1,5-2  | 50  | 25 | 1,5   | 2     | 44  | 48  | 14 | 19 | 19 | 23 | 27050250000     |
| GPN 270 R 5030 1,5-2  | 50  | 30 | 1,5   | 2     | 44  | 48  | 14 | 19 | 24 | 28 | 27050300000     |
| GPN 270 R 5030 3      | 50  | 30 | 3     | 3     | 42  | 46  | 14 | 19 | 22 | 26 | 27050330000     |
| GPN 270 R 5034 1,5-2  | 50  | 34 | 1,5   | 2     | 44  | 48  | 14 | 19 | 28 | 32 | 27050340000     |
| GPN 270 R 5040 1,5-2  | 50  | 40 | 1,5   | 2     | 44  | 48  | 14 | 19 | 34 | 38 | 27050400000     |
| GPN 270 R 6020 1,5-2  | 60  | 20 | 1,5   | 2     | 54  | 58  | 14 | 19 | 14 | 18 | 27060200000     |
| GPN 270 R 6030 1,5-2  | 60  | 30 | 1,5   | 2     | 54  | 58  | 14 | 19 | 24 | 28 | 27060300000     |
| GPN 270 R 6030 3      | 60  | 30 | 3     | 3     | 52  | 56  | 14 | 19 | 22 | 26 | 27060330000     |
| GPN 270 R 6040 1,5-2  | 60  | 40 | 1,5   | 2     | 54  | 58  | 14 | 19 | 34 | 38 | 27060400000     |
| GPN 270 R 6040 4      | 60  | 40 | 4     | 4     | 50  | 54  | 14 | 19 | 30 | 34 | 27060440000     |
| GPN 270 R 6040 5      | 60  | 40 | 5     | 5     | 48  | 52  | 14 | 19 | 28 | 32 | 27060450000     |
| GPN 270 R 7030 1,5-2  | 70  | 30 | 1,5   | 2     | 63  | 68  | 17 | 22 | 23 | 28 | 27070300000     |
| GPN 270 R 7040 1,5-2  | 70  | 40 | 1,5   | 2     | 63  | 68  | 17 | 22 | 33 | 38 | 27070400000     |
| GPN 270 R 7040 4      | 70  | 40 | 4     | 4     | 59  | 64  | 17 | 22 | 29 | 34 | 27070440000     |
| GPN 270 R 8020 1,5-2  | 80  | 20 | 1,5   | 2     | 73  | 78  | 17 | 22 | 13 | 18 | 27080200000     |
| GPN 270 R 8030 1,5-2  | 80  | 30 | 1,5   | 2     | 73  | 78  | 17 | 22 | 23 | 28 | 27080300000     |
| GPN 270 R 8040 1,5-2  | 80  | 40 | 1,5   | 2     | 73  | 78  | 17 | 22 | 33 | 38 | 27080400000     |
| GPN 270 R 8040 4      | 80  | 40 | 4     | 4     | 69  | 74  | 17 | 22 | 29 | 34 | 27080440000     |
| GPN 270 R 8040 5      | 80  | 40 | 5     | 5     | 67  | 72  | 17 | 22 | 27 | 32 | 27080450000     |
| GPN 270 R 8050 1,5-2  | 80  | 50 | 1,5   | 2     | 73  | 78  | 17 | 22 | 43 | 48 | 27080500000     |
| GPN 270 R 8050 4      | 80  | 50 | 4     | 4     | 69  | 74  | 17 | 22 | 39 | 44 | 27080540000     |
| GPN 270 R 8060 3      | 80  | 60 | 3     | 3     | 71  | 76  | 17 | 22 | 51 | 56 | 27080600000     |
| GPN 270 R 8060 5      | 80  | 60 | 5     | 5     | 67  | 72  | 17 | 22 | 47 | 52 | 27080650000     |
| GPN 270 R 10040 1,5-2 | 100 | 40 | 1,5   | 2     | 93  | 98  | 17 | 22 | 33 | 38 | 27100400000     |
| GPN 270 R 10040 3     | 100 | 40 | 3     | 3     | 91  | 96  | 17 | 22 | 31 | 36 | 27100430000     |
| GPN 270 R 10050 3     | 100 | 50 | 3     | 3     | 91  | 96  | 17 | 22 | 41 | 46 | 27100500000     |
| GPN 270 R 10050 4     | 100 | 50 | 4     | 4     | 89  | 94  | 17 | 22 | 39 | 44 | 27100540000     |
| GPN 270 R 10050 5     | 100 | 50 | 5     | 5     | 87  | 92  | 17 | 22 | 37 | 42 | 27100550000     |
| GPN 270 R 12040 3     | 120 | 40 | 3     | 3     | 111 | 116 | 17 | 22 | 31 | 36 | 27012400000     |



# Rectangular Plugs GPN 270



**PE-LLD  
black**

| Article               | A   | F  | T min | T max | B   | C   | H  | M  | Q  | R  | Virgin material |
|-----------------------|-----|----|-------|-------|-----|-----|----|----|----|----|-----------------|
| GPN 270 R 12060 3     | 120 | 60 | 3     | 3     | 111 | 116 | 17 | 22 | 51 | 56 | 27012600000     |
| GPN 270 R 12060 4     | 120 | 60 | 4     | 4     | 109 | 114 | 17 | 22 | 49 | 54 | 27012640000     |
| GPN 270 R 12060 5     | 120 | 60 | 5     | 5     | 107 | 112 | 17 | 22 | 47 | 52 | 27012650000     |
| GPN 270 R 12080 1,5-2 | 120 | 80 | 1,5   | 2     | 113 | 118 | 17 | 22 | 73 | 78 | 27012800000     |
| GPN 270 R 14080 4     | 140 | 80 | 4     | 4     | 129 | 134 | 17 | 22 | 69 | 74 | 27014800000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More robust.

Reinforced head area for higher demands.



### Better.

For closing of section tubes. Distinctive external ribs provide a secure press fit. High visual appeal due to grained top surface finish and chamfered edges.



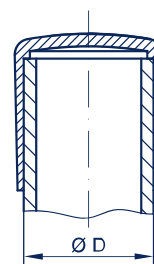
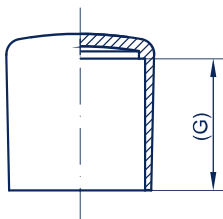
### Seals better.

Protection against foreign objects > 1 mm



## Application

The GPN 280 end caps are suitable for the protection of round pipes and can also be used as gliders for furniture and equipment. The reinforced base makes them suitable for heavy-duty use.



**PE-LD  
black**

| Article       | D  | G    | Virgin material |
|---------------|----|------|-----------------|
| GPN 280 ER 3  | 3  | 8    | 28000030000     |
| GPN 280 ER 4  | 4  | 8,1  | 28000040000     |
| GPN 280 ER 5  | 5  | 7,7  | 28000050000     |
| GPN 280 ER 6  | 6  | 8,6  | 28000060000     |
| GPN 280 ER 7  | 7  | 9    | 28000070000     |
| GPN 280 ER 8  | 8  | 9,4  | 28000080000     |
| GPN 280 ER 10 | 10 | 11   | 28000100000     |
| GPN 280 ER 11 | 11 | 12,9 | 28000110000     |
| GPN 280 ER 12 | 12 | 12,3 | 28000120000     |
| GPN 280 ER 13 | 13 | 13,2 | 28000130000     |
| GPN 280 ER 14 | 14 | 12,8 | 28000140000     |
| GPN 280 ER 15 | 15 | 14,7 | 28000150000     |
| GPN 280 ER 16 | 16 | 16,4 | 28000160000     |
| GPN 280 ER 18 | 18 | 19,7 | 28000180000     |
| GPN 280 ER 20 | 20 | 20,1 | 28000200000     |
| GPN 280 ER 21 | 21 | 21,3 | 28000210000     |
| GPN 280 ER 22 | 22 | 20,6 | 28000220000     |
| GPN 280 ER 24 | 24 | 22,7 | 28000240000     |
| GPN 280 ER 25 | 25 | 22,3 | 28000250000     |
| GPN 280 ER 26 | 26 | 23,5 | 28000260000     |
| GPN 280 ER 27 | 27 | 25,3 | 28000270000     |
| GPN 280 ER 28 | 28 | 24,8 | 28000280000     |
| GPN 280 ER 30 | 30 | 24,8 | 28000300000     |
| GPN 280 ER 32 | 32 | 26,4 | 28000320000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More robust.

Reinforced base for increased demands.



### Better.

Suitable for pipes; particularly suitable as gliders for furniture and equipment.



### Seals better.

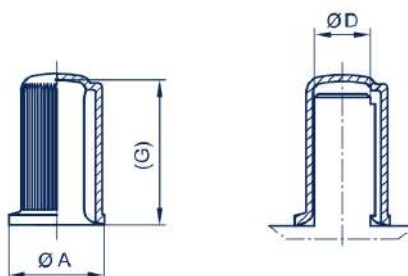
Protection against foreign objects > 1 mm



## Application

The GPN 290 shaft protection is suitable for the protection of shaft ends pursuant to DIN EN 748-1 and DIN EN 50347. The use also ensures that the feather key is secured at the same time.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
yellow**

| Article       | D  | A    | G     | 100% PCR    |
|---------------|----|------|-------|-------------|
| GPN 290 / 009 | 9  | 14,5 | 22    | 2900009R165 |
| GPN 290 / 011 | 11 | 17,5 | 26,3  | 2900011R165 |
| GPN 290 / 014 | 14 | 22,5 | 33,5  | 2900014R165 |
| GPN 290 / 015 | 15 | 25,5 | 31    | 2900015R165 |
| GPN 290 / 016 | 16 | 25,5 | 44,5  | 2900016R165 |
| GPN 290 / 019 | 19 | 30,5 | 45    | 2900019R165 |
| GPN 290 / 020 | 20 | 32   | 58    | 2900020R165 |
| GPN 290 / 022 | 22 | 35,5 | 56,8  | 2900022R165 |
| GPN 290 / 024 | 24 | 38,5 | 57    | 2900024R165 |
| GPN 290 / 025 | 25 | 40   | 69    | 2900025R165 |
| GPN 290 / 028 | 28 | 45   | 69    | 2900028R165 |
| GPN 290 / 030 | 30 | 48   | 91,3  | 2900030R165 |
| GPN 290 / 032 | 32 | 51   | 91,8  | 2900032R165 |
| GPN 290 / 035 | 35 | 56   | 91    | 2900035R165 |
| GPN 290 / 038 | 38 | 61   | 91    | 2900038R165 |
| GPN 290 / 042 | 42 | 67   | 125,5 | 2900042R165 |
| GPN 290 / 045 | 45 | 72   | 115,5 | 2900045R165 |
| GPN 290 / 048 | 48 | 77   | 126   | 2900048R165 |
| GPN 290 / 055 | 55 | 88   | 125,8 | 2900055R165 |
| GPN 290 / 060 | 60 | 96   | 160,5 | 2900060R165 |
| GPN 290 / 075 | 75 | 112  | 165   | 2900075R165 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**Better fit.**

Protection for shaft ends in accordance with DIN EN 748-1 and DIN EN 50347.



**Better.**

Also secures the feather key.



**Seals better.**

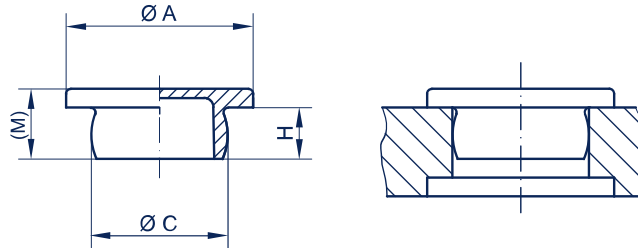
Protection against foreign objects >1 mm



## Application

The GPN 300 F closure plugs can be used to protect internal threads and bore holes, and ensure a firm fit thanks to their crowned shank. The flat head enables space-saving use.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article        | A  | C    | H    | M    | PCR-PE<br>blue | PCR-PE / PE-LD<br>yellow | PE-LD<br>natural | PE-LD<br>black  |
|----------------|----|------|------|------|----------------|--------------------------|------------------|-----------------|
|                |    |      |      |      | 100% PCR       | Recycling blend          | Virgin material  | Virgin material |
| GPN 300 F 1    | 5  | 3,1  | 2    | 3    | 3000001RB61    | 30000011073              | 30000010000      | 30000019500     |
| GPN 300 F 011  | 7  | 4,7  | 1,8  | 2,6  | 3000110RB61    | 30001101073              | 30001100000      | 30001109500     |
| GPN 300 F 012  | 9  | 6,6  | 4    | 5,2  | 3000120RB61    |                          | 30001200000      | 30001209500     |
| GPN 300 F 2    | 14 | 7,2  | 6    | 8    | 3000002RB61    | 30000021073              | 30000020000      | 30000029500     |
| GPN 300 F 3    | 14 | 8,4  | 6    | 8    | 3000003RB61    | 30000031073              | 30000030000      | 30000039500     |
| GPN 300 F 031  | 14 | 8,6  | 4,5  | 6,5  | 3000310RB61    | 30003101073              | 30003100000      | 30003109500     |
| GPN 300 F 0315 | 18 | 8,6  | 6    | 8    | 3000315RB61    | 30003151073              | 30003150000      | 30003159500     |
| GPN 300 F 032  | 13 | 8,8  | 7,5  | 9,5  | 3000320RB61    | 30003201073              | 30003200000      | 30003209500     |
| GPN 300 F 4    | 14 | 9,2  | 4,5  | 6,5  | 3000004RB61    | 30000041073              | 30000040000      | 30000049500     |
| GPN 300 F 041  | 14 | 9,4  | 4,5  | 6,5  | 3000041RB61    | 30000411073              | 30000410000      | 30000419500     |
| GPN 300 F 042  | 13 | 10,3 | 5,5  | 7,5  | 3000420RB61    | 30004201073              | 30004200000      | 30004209500     |
| GPN 300 F 5    | 14 | 10,7 | 5,5  | 7,5  | 3000005RB61    | 30000051073              | 30000050000      | 30000059500     |
| GPN 300 F 7    | 16 | 11,7 | 7    | 9    | 3000007RB61    | 30000071073              | 30000070000      | 30000079500     |
| GPN 300 F 9    | 16 | 12,3 | 7    | 9    | 3000009RB61    | 30000091073              | 30000090000      | 30000099500     |
| GPN 300 F 091  | 16 | 13   | 7    | 9    | 3000091RB61    | 30000911073              | 30000910000      | 30000919500     |
| GPN 300 F 10   | 20 | 13,7 | 8    | 10   | 3000010RB61    | 30000101073              | 30000100000      | 30000109500     |
| GPN 300 F 11   | 20 | 14,6 | 5,5  | 7,5  | 3000011RB61    | 30000111073              | 30000110000      | 30000119500     |
| GPN 300 F 111  | 20 | 15   | 8    | 10   | 3000111RB61    | 30001111073              | 30001110000      | 30001119500     |
| GPN 300 F 112  | 20 | 15   | 5,5  | 7,5  | 3000112RB61    | 30001121073              | 30001120000      | 30001129500     |
| GPN 300 F 12   | 20 | 15,6 | 8    | 10   | 3000012RB61    | 30000121073              | 30000120000      | 30000129500     |
| GPN 300 F 14   | 22 | 16,7 | 5,5  | 7,5  | 3000014RB61    | 30000141073              | 30000140000      | 30000149500     |
| GPN 300 F 141  | 22 | 16,5 | 5,5  | 7,5  | 3000141RB61    | 30001411073              | 30001410000      | 30001419500     |
| GPN 300 F 142  | 20 | 16,5 | 5,5  | 7,5  | 3000142RB61    | 30001421073              | 30001420000      | 30001429500     |
| GPN 300 F 15   | 22 | 17,1 | 8    | 10,5 | 3000015RB61    | 30000151073              | 30000150000      | 30000159500     |
| GPN 300 F 17   | 25 | 18,4 | 8    | 10,8 | 3000017RB61    | 30000171073              | 30000170000      | 30000179500     |
| GPN 300 F 18   | 25 | 19,3 | 8    | 10,8 | 3000018RB61    | 30000181073              | 30000180000      | 30000189500     |
| GPN 300 F 181  | 25 | 21,4 | 7,5  | 9,5  | 3000181RB61    | 30001811073              | 30001810000      | 30001819500     |
| GPN 300 F 182  | 25 | 21,7 | 8    | 10,5 | 3000182RB61    | 30001821073              | 30001820000      | 30001829500     |
| GPN 300 F 183  | 25 | 19,6 | 8    | 10,5 | 3000183RB61    | 30001831073              | 30001830000      | 30001839500     |
| GPN 300 F 184  | 25 | 21,2 | 8    | 10   | 3000184RB61    | 30001841073              | 30001840000      | 30001849500     |
| GPN 300 F 19   | 25 | 20,7 | 8    | 10,5 | 3000019RB61    | 30000191073              | 30000190000      | 30000199500     |
| GPN 300 F 21   | 28 | 22,4 | 9    | 12   | 3000021RB61    | 30000211073              | 30000210000      | 30000219500     |
| GPN 300 F 211  | 28 | 23,6 | 9    | 12   | 3000211RB61    | 30002111073              | 30002110000      | 30002119500     |
| GPN 300 F 22   | 28 | 24   | 9    | 12   | 3000022RB61    | 30000221073              | 30000220000      | 30000229500     |
| GPN 300 F 23   | 28 | 24,6 | 9    | 12   | 3000023RB61    | 30000231073              | 30000230000      | 30000239500     |
| GPN 300 F 231  | 27 | 24,5 | 8,5  | 11   | 3000231RB61    | 30002311073              | 30002310000      | 30002319500     |
| GPN 300 F 232  | 28 | 25,5 | 7,5  | 9,5  | 3000232RB61    | 30002321073              | 30002320000      | 30002329500     |
| GPN 300 F 233  | 28 | 26,5 | 9    | 12   | 3000233RB61    | 30002331073              | 30002330000      | 30002339500     |
| GPN 300 F 24   | 36 | 29   | 11,7 | 14,7 | 3000024RB61    | 30000241073              | 30000240000      | 30000249500     |
| GPN 300 F 241  | 36 | 30,5 | 12   | 15   | 3000241RB61    | 30002411073              | 30002410000      | 30002419500     |
| GPN 300 F 242  | 36 | 31   | 12   | 15   | 3000242RB61    | 30002421073              | 30002420000      | 30002429500     |
| GPN 300 F 25   | 36 | 32   | 10   | 12,5 | 3000025RB61    | 30000251073              | 30000250000      | 30000259500     |
| GPN 300 F 26   | 36 | 33,5 | 12   | 14   | 3000026RB61    | 30000261073              | 30000260000      | 30000269500     |
| GPN 300 F 27   | 42 | 34,8 | 15   | 18   | 3000027RB61    | 30000271073              | 30000270000      | 30000279500     |
| GPN 300 F 271  | 42 | 35,5 | 15   | 18   | 3000271RB61    | 30002711073              | 30002710000      | 30002719500     |
| GPN 300 F 28   | 42 | 36,5 | 15   | 18   | 3000028RB61    | 30000281073              | 30000280000      | 30000289500     |
| GPN 300 F 30   | 42 | 38,4 | 10   | 12,5 | 3000030RB61    | 30000301073              | 30000300000      | 30000309500     |
| GPN 300 F 301  | 42 | 39   | 15   | 18   | 3000301RB61    | 30003011073              | 30003010000      | 30003019500     |
| GPN 300 F 31   | 42 | 40   | 15   | 18   | 3000031RB61    | 30000311073              | 30000310000      | 30000319500     |
| GPN 300 F 311  | 45 | 40,7 | 15   | 18   | 3000311RB61    | 30003111073              | 30003110000      | 30003119500     |
| GPN 300 F 312  | 48 | 42,3 | 15   | 18   | 3000312RB61    | 30003121073              | 30003120000      | 30003129500     |
| GPN 300 F 32   | 55 | 46   | 18   | 21   | 3000032RB61    | 30000321073              | 30000320000      | 30000329500     |
| GPN 300 F 33   | 55 | 48,5 | 12   | 15   | 3000033RB61    | 30000331073              | 30000330000      | 30000339500     |
| GPN 300 F 35   | 55 | 51,5 | 18   | 21   | 3000035RB61    | 30000351073              | 30000350000      | 30000359500     |



# Closure Plugs

## GPN 300 F



| Article       | A   | C     | H    | M    | PCR-PE<br>blue<br>100% PCR | PCR-PE / PE-LD<br>yellow<br>Recycling blend | PE-LD<br>natural<br>Virgin material | PE-LD<br>black<br>Virgin material |
|---------------|-----|-------|------|------|----------------------------|---------------------------------------------|-------------------------------------|-----------------------------------|
| GPN 300 F 37  | 63  | 55    | 18   | 21   | 3000037RB61                | 30000371073                                 | 30000370000                         | 30000379500                       |
| GPN 300 F 38  | 63  | 55,8  | 18   | 21   | 3000038RB61                | 30000381073                                 | 30000380000                         | 30000389500                       |
| GPN 300 F 40  | 63  | 58    | 18   | 21   | 3000040RB61                | 30000401073                                 | 30000400000                         | 30000409500                       |
| GPN 300 F 401 | 71  | 66    | 18   | 21,5 | 3000401RB61                | 30004011073                                 | 30004010000                         | 30004019500                       |
| GPN 300 F 402 | 63  | 59    | 18   | 21,3 | 3000402RB61                | 30004021073                                 | 30004020000                         | 30004029500                       |
| GPN 300 F 41  | 78  | 71    | 18   | 22   | 3000410RB61                | 30004101073                                 | 30004100000                         | 30004109500                       |
| GPN 300 F 411 | 86  | 75,8  | 19   | 22   | 3000411RB61                | 30004111073                                 | 30004110000                         | 30004119500                       |
| GPN 300 F 42  | 95  | 86    | 18   | 19,3 | 3000042RB61                | 30000421073                                 | 30000420000                         | 30000429500                       |
| GPN 300 F 44  | 124 | 102,5 | 18   | 21,5 | 3000044RB61                |                                             | 30000440000                         | 30000449500                       |
| GPN 300 F 47  | 152 | 123,5 | 18   | 21,5 | 3000047RB61                | 30000471073                                 | 30000470000                         | 30000479500                       |
| GPN 300 F 52  | 165 | 152   | 17,5 | 20   |                            |                                             | 30000520000                         | 30000529500                       |
| GPN 300 F 55  | 200 | 182   | 19,5 | 22   |                            |                                             | 30000550000                         | 30000559500                       |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

The articles from GPN 300 F 52 are made of PE-LLD.

## Application guide for internal use

| Article        | Female thread |           |            | Fine thread |           |           | Pipe thread |
|----------------|---------------|-----------|------------|-------------|-----------|-----------|-------------|
| GPN 300 F 1    | M 3,5         |           |            |             |           |           |             |
| GPN 300 F 011  |               | M 5 x 0,5 |            |             |           |           |             |
| GPN 300 F 012  |               |           | M 7,5 x 1  |             |           |           |             |
| GPN 300 F 2    | M 8           |           | M 8 x 1    |             |           |           | 1/16        |
| GPN 300 F 3    |               |           | M 9 x 1    |             |           |           |             |
| GPN 300 F 031  | M 10          |           |            |             |           |           |             |
| GPN 300 F 0315 | M 10          |           |            |             |           |           |             |
| GPN 300 F 032  | M 10          |           | M 9,5 x 1  |             |           |           | 1/8         |
| GPN 300 F 4    |               |           | M 10 x 1   |             |           |           | 1/8         |
| GPN 300 F 041  |               |           | M 10 x 1   |             |           |           |             |
| GPN 300 F 042  | M 12          |           | M 11 x 1   |             |           |           |             |
| GPN 300 F 5    | M 12          |           |            | M 12 x 1,5  |           |           |             |
| GPN 300 F 7    |               |           | M 12 x 1   | M 13 x 1,5  |           |           | 1/4         |
| GPN 300 F 9    | M 14          |           | M 13 x 1   |             |           |           | 1/4         |
| GPN 300 F 091  |               |           | M 13,5 x 1 | M 14 x 1,5  |           |           |             |
| GPN 300 F 10   |               |           |            | M 15 x 1,5  |           |           |             |
| GPN 300 F 11   | M 16          |           | M 15 x 1   |             |           |           |             |
| GPN 300 F 111  |               |           |            | M 16 x 1,5  |           |           |             |
| GPN 300 F 112  |               |           |            | M 16 x 1,5  |           |           |             |
| GPN 300 F 12   | M 18          |           | M 16 x 1   |             |           |           | 3/8         |
| GPN 300 F 14   |               |           |            | M 18 x 1,5  |           |           |             |
| GPN 300 F 141  |               |           | M 17 x 1   | M 18 x 1,5  |           |           |             |
| GPN 300 F 142  |               |           | M 17 x 1   | M 18 x 1,5  |           |           |             |
| GPN 300 F 15   |               |           |            | M 18 x 1,5  |           |           |             |
| GPN 300 F 17   |               |           | M 19 x 1   |             | M 20 x 2  |           |             |
| GPN 300 F 18   |               |           | M 20 x 1   |             | M 21 x 2  |           | 1/2         |
| GPN 300 F 181  | M 24          |           | M 22 x 1   |             | M 23 x 2  |           |             |
| GPN 300 F 182  |               |           | M 22 x 1   |             |           |           |             |
| GPN 300 F 183  | M 22          |           |            | M 21 x 1,5  |           |           |             |
| GPN 300 F 184  | M 24          |           | M 22 x 1   |             |           |           | 5/8         |
| GPN 300 F 19   |               |           |            | M 22 x 1,5  |           |           |             |
| GPN 300 F 21   |               |           | M 23 x 1   |             | M 24 x 2  |           |             |
| GPN 300 F 211  |               |           | M 24 x 1   |             | M 25 x 2  |           |             |
| GPN 300 F 22   | M 27          |           |            | M 25 x 1,5  |           |           |             |
| GPN 300 F 23   |               |           | M 25 x 1   | M 26 x 1,5  | M 26 x 2  |           | 3/4         |
| GPN 300 F 231  | M 25          |           | M 25 x 1   |             | M 26 x 2  |           |             |
| GPN 300 F 232  |               |           | M 26 x 1   |             | M 27 x 2  |           |             |
| GPN 300 F 233  | M 30          |           | M 27 x 1   |             | M 28 x 2  |           |             |
| GPN 300 F 24   |               |           |            | M 30 x 1,5  |           |           |             |
| GPN 300 F 241  |               |           | M 31 x 1   |             | M 32 x 2  |           | 1           |
| GPN 300 F 242  |               |           |            | M 32 x 1,5  |           |           | 1           |
| GPN 300 F 25   | M 36          |           |            | M 33 x 1,5  |           |           |             |
| GPN 300 F 26   |               |           | M 34 x 1   |             | M 35 x 2  | M 36 x 3  |             |
| GPN 300 F 27   |               |           |            | M 36 x 1,5  |           |           |             |
| GPN 300 F 271  | M 39          |           | M 36 x 1   |             | M 37 x 2  | M 38 x 3  | 1 1/8       |
| GPN 300 F 28   |               |           | M 37 x 1   |             | M 38 x 2  | M 39 x 3  |             |
| GPN 300 F 30   |               |           | M 39 x 1   |             | M 40 x 2  |           |             |
| GPN 300 F 301  |               |           |            | M 40 x 1,5  |           | M 42 x 3  |             |
| GPN 300 F 311  | M 45          |           |            | M 42 x 1,5  | M 42 x 2  |           |             |
| GPN 300 F 312  |               |           |            |             |           | M 45 x 3  |             |
| GPN 300 F 32   |               |           |            |             |           |           | M 50 x 4    |
| GPN 300 F 33   |               |           |            |             | M 50 x 2  |           |             |
| GPN 300 F 35   |               |           | M 52 x 1   |             |           |           | 1 3/4       |
| GPN 300 F 37   |               |           |            | M 56 x 1,5  |           |           |             |
| GPN 300 F 38   |               |           | M 56 x 1   |             |           |           |             |
| GPN 300 F 40   | M 64          |           |            |             |           |           | M 62 x 4    |
| GPN 300 F 401  |               |           |            |             |           |           | M 70 x 4    |
| GPN 300 F 402  |               |           |            | M 60 x 1,5  |           |           |             |
| GPN 300 F 41   |               |           |            | M 72 x 1,5  |           |           | M 75 x 4    |
| GPN 300 F 42   |               |           |            |             |           |           | M 90 x 4    |
| GPN 300 F 44   |               |           |            |             |           | M 105 x 3 |             |
| GPN 300 F 47   |               |           |            |             | M 125 x 2 |           |             |



# Closure Plugs

## GPN 300 F

| Article                      | Female thread |  |  | Fine thread |  |                        | Pipe thread |
|------------------------------|---------------|--|--|-------------|--|------------------------|-------------|
| GPN 300 F 52<br>GPN 300 F 55 |               |  |  |             |  | M 155 x 3<br>M 185 x 3 |             |

This application table represents guideline values. We would be pleased to send you free samples.

### Your added values:



#### More versatile.

Multi functional use for internal threads and bore holes.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Greater variety.

The GPN 300 is available ex stock in black and also in natural.



#### Better.

Flat-headed design. Firm fit due to crowned shank.



#### Seals better.

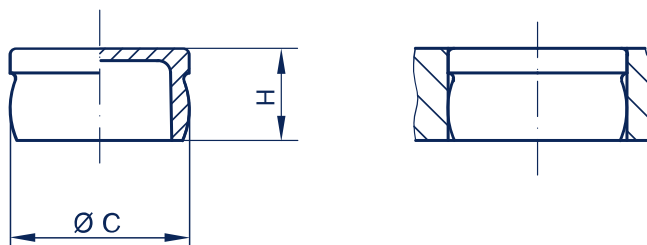
Protection against foreign objects > 1 mm



## Application

The GPN 300 V closure plugs can be used to protect internal threads and bore holes, and ensure a firm fit thanks to their crowned shank. The flat head and the customised head diameter allow the plug to be countersunk into the hole.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article       | C    | H    | PCR-PE<br>blue | PCR-PE / PE-LD<br>yellow | PE-LD<br>natural | PE-LD<br>black  |
|---------------|------|------|----------------|--------------------------|------------------|-----------------|
|               |      |      | 100% PCR       | Recycling blend          | Virgin material  | Virgin material |
| GPN 300 V 011 | 6,2  | 8    |                |                          | 30101100000      | 30101109500     |
| GPN 300 V 2   | 7,2  | 8    |                |                          | 30100020000      | 30100029500     |
| GPN 300 V 3   | 8,4  | 8    |                |                          | 30100030000      | 30100039500     |
| GPN 300 V 031 | 8,6  | 6,5  | 3010002RB61    | 30100021073              | 30100030000      | 30100039500     |
| GPN 300 V 4   | 9,2  | 6,5  | 3010003RB61    | 30100031073              | 30100040000      | 30100049500     |
| GPN 300 V 041 | 9,4  | 6,5  | 3010004RB61    | 30100041073              | 30100050000      | 30100059500     |
| GPN 300 V 5   | 10,7 | 7,5  | 3010005RB61    | 30100051073              | 30100070000      | 30100079500     |
| GPN 300 V 7   | 11,7 | 9    | 3010007RB61    | 30100071073              | 30100090000      | 30100099500     |
| GPN 300 V 9   | 12,3 | 9    | 3010009RB61    | 30100091073              | 30100100000      | 30100109500     |
| GPN 300 V 091 | 13   | 9    | 3010091RB61    | 30100911073              | 30100110000      | 30100119500     |
| GPN 300 V 10  | 13,7 | 10   | 3010010RB61    | 30100101073              | 30100120000      | 30100129500     |
| GPN 300 V 11  | 14,6 | 7,5  | 3010011RB61    | 30100111073              | 30100120000      | 30100129500     |
| GPN 300 V 111 | 15   | 10   | 3010011RB61    | 30100111073              | 30100140000      | 30100149500     |
| GPN 300 V 112 | 15   | 7,5  | 3010012RB61    | 30100121073              | 30100150000      | 30100159500     |
| GPN 300 V 12  | 15,6 | 10   | 3010012RB61    | 30100121073              | 30100170000      | 30100179500     |
| GPN 300 V 142 | 16,5 | 7,5  | 3010014RB61    | 30100141073              | 30100180000      | 30100189500     |
| GPN 300 V 14  | 16,7 | 7,5  | 3010014RB61    | 30100141073              | 30100180000      | 30100189500     |
| GPN 300 V 15  | 17,1 | 10,5 | 3010015RB61    | 30100151073              | 30100180000      | 30100189500     |
| GPN 300 V 17  | 18,4 | 10,8 | 3010017RB61    | 30100171073              | 30100180000      | 30100189500     |
| GPN 300 V 18  | 19,3 | 10,8 | 3010018RB61    | 30100181073              | 30100180000      | 30100189500     |
| GPN 300 V 181 | 21,4 | 9,5  | 3010018RB61    | 30100181073              | 30100180000      | 30100189500     |
| GPN 300 V 182 | 21,7 | 10,5 | 3010018RB61    | 30100181073              | 30100180000      | 30100189500     |
| GPN 300 V 183 | 19,6 | 10,5 | 3010018RB61    | 30100181073              | 30100180000      | 30100189500     |
| GPN 300 V 184 | 21,2 | 10   | 3010018RB61    | 30100181073              | 30100180000      | 30100189500     |
| GPN 300 V 19  | 20,7 | 10,5 | 3010019RB61    | 30100191073              | 30100210000      | 30100219500     |
| GPN 300 V 21  | 22,4 | 11,5 | 3010021RB61    | 30100211073              | 30100210000      | 30100219500     |
| GPN 300 V 211 | 23,6 | 12   | 3010021RB61    | 30100211073              | 30100220000      | 30100229500     |
| GPN 300 V 22  | 24   | 12   | 3010022RB61    | 30100221073              | 30100230000      | 30100239500     |
| GPN 300 V 23  | 24,6 | 12   | 3010023RB61    | 30100231073              | 30100230000      | 30100239500     |
| GPN 300 V 231 | 24,5 | 11   | 3010023RB61    | 30100231073              | 30100230000      | 30100239500     |
| GPN 300 V 232 | 25,5 | 9,5  | 3010023RB61    | 30100231073              | 30100230000      | 30100239500     |
| GPN 300 V 233 | 26,5 | 12   | 3010023RB61    | 30100231073              | 30100230000      | 30100239500     |
| GPN 300 V 24  | 29   | 15   | 3010024RB61    | 30100241073              | 30100240000      | 30100249500     |
| GPN 300 V 241 | 30,5 | 15   | 3010024RB61    | 30100241073              | 30100240000      | 30100249500     |
| GPN 300 V 25  | 32   | 12,5 | 3010025RB61    | 30100251073              | 30100250000      | 30100259500     |
| GPN 300 V 26  | 33,5 | 15   | 3010026RB61    | 30100261073              | 30100260000      | 30100269500     |
| GPN 300 V 27  | 34,8 | 18   | 3010027RB61    | 30100271073              | 30100270000      | 30100279500     |
| GPN 300 V 271 | 35,5 | 18   | 3010027RB61    | 30100271073              | 30100270000      | 30100279500     |
| GPN 300 V 28  | 36,5 | 18   | 3010028RB61    | 30100281073              | 30100280000      | 30100289500     |
| GPN 300 V 30  | 38,4 | 12,5 | 3010030RB61    | 30100301073              | 30100300000      | 30100309500     |
| GPN 300 V 301 | 39   | 18   | 3010030RB61    | 30100301073              | 301003010000     | 301003019500    |
| GPN 300 V 31  | 40   | 18   | 3010031RB61    | 30100311073              | 30100310000      | 30100319500     |
| GPN 300 V 311 | 40,7 | 18   | 3010031RB61    | 30100311073              | 30100310000      | 30100319500     |
| GPN 300 V 312 | 42,3 | 18   | 3010032RB61    | 30100321073              | 30100320000      | 30100329500     |
| GPN 300 V 32  | 46   | 21   | 3010032RB61    | 30100321073              | 30100320000      | 30100329500     |
| GPN 300 V 33  | 48,5 | 15   | 3010033RB61    | 30100331073              | 30100330000      | 30100339500     |
| GPN 300 V 35  | 51,5 | 21   | 3010035RB61    | 30100351073              | 30100350000      | 30100359500     |
| GPN 300 V 37  | 55   | 21   | 3010037RB61    | 30100371073              | 30100370000      | 30100379500     |
| GPN 300 V 38  | 55,8 | 21   | 3010038RB61    | 30100381073              | 30100380000      | 30100389500     |
| GPN 300 V 40  | 58   | 21   | 3010040RB61    | 30100401073              | 30100400000      | 30100409500     |
| GPN 300 V 401 | 66   | 21,5 | 3010040RB61    | 30100401073              | 301004010000     | 301004019500    |
| GPN 300 V 41  | 71   | 22   | 3010410RB61    | 30104101073              | 30104100000      | 30104109500     |

Dimensions in mm.



# Closure Plugs

## GPN 300 V

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application guide for internal use

| Article       | Female thread |            | Fine thread |          |          | Pipe thread |
|---------------|---------------|------------|-------------|----------|----------|-------------|
| GPN 300 V 011 | M 7           |            |             |          |          |             |
| GPN 300 V 2   | M 8           | M 8 x 1    |             |          |          | 1/16        |
| GPN 300 V 3   |               | M 9 x 1    |             |          |          |             |
| GPN 300 V 031 | M 10          |            |             |          |          |             |
| GPN 300 V 4   |               | M 10 x 1   |             |          |          | 1/8         |
| GPN 300 V 041 |               | M 10 x 1   |             |          |          |             |
| GPN 300 V 5   | M 12          |            | M 12 x 1,5  |          |          |             |
| GPN 300 V 7   |               | M 12 x 1   | M 13 x 1,5  |          |          | 1/4         |
| GPN 300 V 9   | M 14          | M 13 x 1   |             |          |          | 1/4         |
| GPN 300 V 091 |               | M 13,5 x 1 | M 14 x 1,5  |          |          |             |
| GPN 300 V 10  |               |            | M 15 x 1,5  |          |          |             |
| GPN 300 V 11  | M 16          | M 15 x 1   |             |          |          |             |
| GPN 300 V 111 |               |            | M 16 x 1,5  |          |          |             |
| GPN 300 V 112 |               |            | M 16 x 1,5  |          |          |             |
| GPN 300 V 12  | M 18          | M 16 x 1   |             |          |          | 3/8         |
| GPN 300 V 142 |               | M 17 x 1   | M 18 x 1,5  |          |          |             |
| GPN 300 V 14  |               |            | M 18 x 1,5  |          |          |             |
| GPN 300 V 15  |               |            | M 18 x 1,5  |          |          |             |
| GPN 300 V 17  |               | M 19 x 1   |             | M 20 x 2 |          |             |
| GPN 300 V 18  |               | M 20 x 1   |             | M 21 x 2 |          | 1/2         |
| GPN 300 V 181 | M 24          | M 22 x 1   |             | M 23 x 2 |          |             |
| GPN 300 V 182 |               | M 22 x 1   |             |          |          |             |
| GPN 300 V 183 | M 22          |            | M 21 x 1,5  |          |          |             |
| GPN 300 V 184 | M 24          | M 22 x 1   |             |          |          | 5/8         |
| GPN 300 V 19  |               |            | M 22 x 1,5  |          |          |             |
| GPN 300 V 21  |               | M 23 x 1   |             | M 24 x 2 |          |             |
| GPN 300 V 211 |               | M 24 x 1   | M 25 x 1,5  | M 25 x 2 |          |             |
| GPN 300 V 22  | M 27          |            | M 25 x 1,5  |          |          |             |
| GPN 300 V 23  |               | M 25 x 1   | M 26 x 1,5  | M 26 x 2 |          | 3/4         |
| GPN 300 V 232 |               | M 26 x 1   |             | M 27 x 2 |          |             |
| GPN 300 V 233 | M 30          | M 27 x 1   |             | M 28 x 2 |          |             |
| GPN 300 V 24  |               |            | M 30 x 1,5  |          |          |             |
| GPN 300 V 241 |               | M 31 x 1   |             | M 32 x 2 |          | 1           |
| GPN 300 V 25  | M 36          |            | M 33 x 1,5  |          |          |             |
| GPN 300 V 26  |               | M 34 x 1   |             | M 35 x 2 | M 36 x 3 |             |
| GPN 300 V 27  |               |            | M 36 x 1,5  |          |          |             |
| GPN 300 V 271 | M 39          | M 36 x 1   |             | M 37 x 2 | M 38 x 3 | 1 1/8       |
| GPN 300 V 28  |               | M 37 x 1   |             | M 38 x 2 | M 39 x 3 |             |
| GPN 300 V 30  |               | M 39 x 1   |             | M 40 x 2 |          |             |
| GPN 300 V 301 |               |            | M 40 x 1,5  |          | M 42 x 3 |             |
| GPN 300 V 311 | M 45          |            | M 42 x 1,5  | M 42 x 2 |          |             |
| GPN 300 V 312 |               |            |             |          | M 45 x 3 |             |
| GPN 300 V 33  |               |            |             | M 50 x 2 |          |             |
| GPN 300 V 35  |               | M 52 x 1   |             |          |          | 1 3/4       |
| GPN 300 V 37  |               |            | M 56 x 1,5  |          |          |             |
| GPN 300 V 38  |               | M 56 x 1   |             |          |          |             |
| GPN 300 V 40  | M 64          |            |             |          |          |             |
| GPN 300 V 401 |               |            |             |          | M 62 x 4 |             |
| GPN 300 V 41  |               |            | M 72 x 1,5  |          | M 70 x 4 |             |
|               |               |            |             |          | M 75 x 4 |             |

This application table represents guideline values. We would be pleased to send you free samples.

### Your added values:



#### More versatile.

Multi functional use for internal threads and bore holes.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Greater variety.

The GPN 300 is available ex stock in black and also in natural.



#### Better.

Application as for F-type but with smaller head diameter for recessed mounting.



#### Seals better.

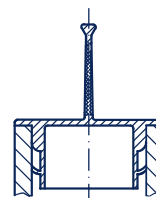
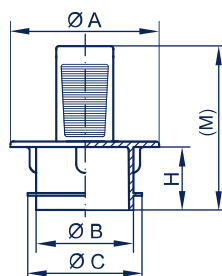
Protection against foreign objects > 1 mm



## Application

The GPN 305 grip plugs are suitable for protecting hoses, bore holes and internal threads. The grip tab enables easy removal and the circumferential ribs and centring bars ensure a firm fit.

All information about the recycling blend can be found in at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**



**PCR-TPE (EVAeq.)  
yellow**



**EVA  
yellow**

| Article       | A    | B    | C    | H   | M    | 100% PCR    | Recycling blend | Virgin material |
|---------------|------|------|------|-----|------|-------------|-----------------|-----------------|
| GPN 305 GV 5  | 11   | 3    | 5,3  | 11  | 24   | 3050005RB61 | 30500050086     | 30500050000     |
| GPN 305 GV 7  | 10   | 5    | 7,1  | 13  | 27   | 3050007RB61 | 30500070086     | 30500070000     |
| GPN 305 GV 10 | 18   | 8,5  | 10,4 | 11  | 24   | 3050010RB61 | 30500100086     | 30500100000     |
| GPN 305 GV 11 | 19   | 9,5  | 11,4 | 11  | 24   | 3050011RB61 | 30500110086     | 30500110000     |
| GPN 305 GV 12 | 18   | 10   | 12,5 | 10  | 31   | 3050012RB61 | 30500120086     | 30500120000     |
| GPN 305 GV 13 | 15   | 11   | 13,5 | 10  | 26   | 3050013RB61 | 30500130086     | 30500130000     |
| GPN 305 GV 14 | 20   | 11,5 | 14   | 7,5 | 20,5 | 3050014RB61 | 30500140086     | 30500140000     |
| GPN 305 GV 15 | 21,5 | 14   | 15,4 | 11  | 24   | 3050015RB61 | 30500150086     | 30500150000     |
| GPN 305 GV 18 | 23,5 | 15,8 | 18,4 | 7,5 | 20,5 | 3050018RB61 | 30500180086     | 30500180000     |
| GPN 305 GV 19 | 28,5 | 17   | 19,4 | 11  | 24   | 3050019RB61 | 30500190086     | 30500190000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for internal use

| Article       | Female thread | Fine thread |
|---------------|---------------|-------------|
| GPN 305 GV 5  | M 6           | M 6 x 0,75  |
| GPN 305 GV 7  | M 8           |             |
| GPN 305 GV 10 | M 12          |             |
| GPN 305 GV 12 | M 14          |             |
| GPN 305 GV 15 |               | M 16 x 1    |
| GPN 305 GV 19 |               | M 20 x 1    |
|               |               | M 20 x 1,5  |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.

## Your added values:



**Saves time.**

Practical tab for easy removal.



**Better.**

Protection for hoses, bore holes, and inner threads. With circumferential ribs and centring segments for firm fit.



**Seals better.**

Protection against foreign objects > 1 mm

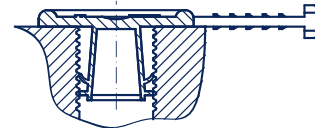
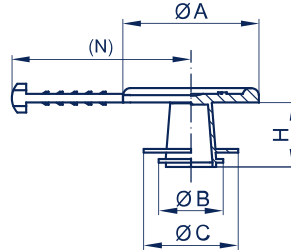




## Application

The GPN 308 grip plugs are suitable for protecting bore holes and internal threads. The innovative grip tab in a protected tab design enables very quick removal. Individual sizes in the range protect several thread sizes, and flexible ribs accommodate larger tolerances.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

**PCR-PE / PE-LD  
yellow**

**PE-LD  
yellow**

100% PCR

Recycling blend

Virgin material

| Article        | A    | B    | C    | H   | N  | 100% PCR    | Recycling blend | Virgin material |
|----------------|------|------|------|-----|----|-------------|-----------------|-----------------|
| GPN 308 SL 132 | 19   | 9    | 13,2 | 9   | 25 | 3080132RB61 | 30801320073     | 30801320000     |
| GPN 308 SL 165 | 22,7 | 12   | 16,5 | 7   | 27 | 3080165RB61 | 30801650073     | 30801650000     |
| GPN 308 SL 195 | 30   | 15,5 | 19,5 | 8   | 31 | 3080195RB61 | 30801950073     | 30801950000     |
| GPN 308 SL 238 | 34,3 | 19,3 | 23,8 | 9,5 | 32 | 3080238RB61 | 30802380073     | 30802380000     |
| GPN 308 SL 276 | 40   | 22,5 | 27,6 | 9,5 | 35 | 3080276RB61 | 30802760073     | 30802760000     |
| GPN 308 SL 345 | 45   | 29,9 | 34,5 | 10  | 38 | 3080345RB61 | 30803450073     | 30803450000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for internal use

| Article        | metric female thread | Pipe thread | Unified thread according to ASME / ANSI B 1.1 UN / UNC / UNF / UNEF |
|----------------|----------------------|-------------|---------------------------------------------------------------------|
| GPN 308 SL 132 | M 10   M 12          | 1/8         | 7/16                                                                |
| GPN 308 SL 165 | M 14   M 16          | 1/4         | 1/2   5/8   9/16                                                    |
| GPN 308 SL 195 | M 18   M 20          | 3/8         | 3/4                                                                 |
| GPN 308 SL 238 | M 22   M 24          | 1/2   5/8   | 7/8                                                                 |
| GPN 308 SL 276 | M 26   M 28          | 3/4         | 1 1/16   1 1/8                                                      |
| GPN 308 SL 345 | M 30   M 36          | 1           | 1 1/4   1 3/8                                                       |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.

## Your added values:



### Saves time.

Newly designed removal tab for fast handling. Protected tab design.



### More versatile.

Suitable for different thread sizes. Flexible ribs for accommodating large tolerances.



### Better.

Protection for bore holes and internal threads.



### Seals better.

Protection against foreign objects > 1 mm





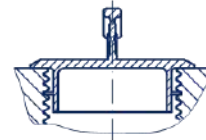
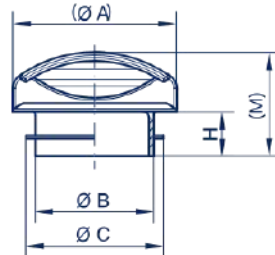
www.blauer-engel.de/uz30a



## Application

The GPN 310 grip plugs are suitable for protecting bore holes and internal threads. The handy tab facilitates easy handling as well as fitting and removal. Flexible ribs cover larger tolerances.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

**PCR-PE / PE-LD  
red**

**PE-LD  
red**

100% PCR

Recycling blend

Virgin material

| Article      | A    | B    | C    | H   | M    | 100% PCR    | Recycling blend | Virgin material |
|--------------|------|------|------|-----|------|-------------|-----------------|-----------------|
| GPN 310 G 8  | 14   | 4    | 7    | 5,5 | 15   | 3100008RB61 | 31000080073     | 31000080000     |
| GPN 310 G 11 | 16   | 5    | 10,5 | 5,5 | 15   | 3100011RB61 | 31000110073     | 31000110000     |
| GPN 310 G 13 | 15,6 | 8    | 13   | 5,5 | 14,7 | 3100013RB61 | 31000130073     | 31000130000     |
| GPN 310 G 16 | 19,6 | 11,4 | 16,5 | 5,5 | 15,2 | 3100016RB61 | 31000160073     | 31000160000     |
| GPN 310 G 21 | 22,8 | 15,6 | 21,3 | 7,5 | 17,1 | 3100021RB61 | 31000210073     | 31000210000     |
| GPN 310 G 22 | 25,7 | 17,3 | 22,6 | 7,5 | 18,5 | 3100022RB61 | 31000220073     | 31000220000     |
| GPN 310 G 23 | 28   | 20,2 | 23,5 | 7,5 | 17,7 | 3100023RB61 | 31000230073     | 31000230000     |
| GPN 310 G 25 | 30   | 20,6 | 25,5 | 7,5 | 19,7 | 3100025RB61 | 31000250073     | 31000250000     |
| GPN 310 G 28 | 35   | 22,5 | 27,5 | 7,5 | 19   | 3100028RB61 | 31000280073     | 31000280000     |
| GPN 310 G 30 | 38   | 24,5 | 29,7 | 7,5 | 19   | 3100030RB61 | 31000300073     | 31000300000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for internal use

| Article      | Female thread | Fine thread                                          | Pipe thread |
|--------------|---------------|------------------------------------------------------|-------------|
| GPN 310 G 8  | M 7           |                                                      |             |
| GPN 310 G 11 | M 11          |                                                      |             |
| GPN 310 G 13 | M 14          | M 10 x 1                                             |             |
| GPN 310 G 16 | M 18          | M 12 x 1,5<br>M 13 x 1,5<br>M 14 x 1,5<br>M 17 x 1,5 | 1/4         |
| GPN 310 G 21 | M 22          | M 20 x 1,5<br>M 21 x 1,5                             | 3/8         |
| GPN 310 G 22 | M 24          | M 22 x 1,5                                           | 1/2         |
| GPN 310 G 23 |               | M 23 x 1                                             | 5/8         |
| GPN 310 G 25 | M 27          | M 24 x 1,5<br>M 25 x 1,5<br>M 26 x 1,5               |             |
| GPN 310 G 28 | M 30          | M 27 x 1<br>M 28 x 1,5                               | 3/4         |
| GPN 310 G 30 |               | M 29 x 1<br>M 30 x 1,5                               | 7/8         |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.

## Your added values:



**Saves time.**

Practical tab for easy handling.



**More versatile.**

Flexible ribs for accommodating large tolerances.



**Better.**

Protection for bore holes and internal threads.



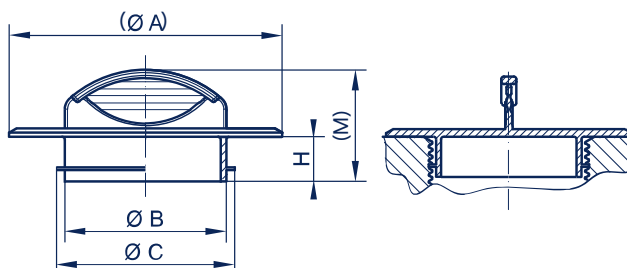
**Seals better.**

Protection against foreign objects > 1 mm



## Application

The GPN 315 grip plugs are suitable for protecting bore holes and internal threads. The handy tab facilitates handling as well as fitting and removal. Flexible ribs cover larger tolerances.



**PE-LLD**  
**yellow**

| Article       | A    | B  | C  | H | M    | Virgin material |
|---------------|------|----|----|---|------|-----------------|
| GPN 315 GS 8  | 25   | 5  | 8  | 8 | 20   | 31500080000     |
| GPN 315 GS 10 | 27   | 7  | 10 | 8 | 20   | 31500100000     |
| GPN 315 GS 12 | 29   | 9  | 12 | 8 | 20   | 31500120000     |
| GPN 315 GS 14 | 31   | 11 | 14 | 8 | 20   | 31500140000     |
| GPN 315 GS 15 | 33   | 12 | 15 | 8 | 20   | 31500150000     |
| GPN 315 GS 16 | 33   | 13 | 16 | 8 | 20   | 31500160000     |
| GPN 315 GS 18 | 35   | 15 | 18 | 8 | 20   | 31500180000     |
| GPN 315 GS 22 | 39   | 19 | 22 | 8 | 20   | 31500220000     |
| GPN 315 GS 26 | 43,5 | 23 | 26 | 8 | 20   | 31500260000     |
| GPN 315 GS 30 | 47   | 27 | 30 | 8 | 20   | 31500300000     |
| GPN 315 GS 32 | 49   | 29 | 32 | 8 | 22   | 31500320000     |
| GPN 315 GS 34 | 51   | 31 | 34 | 8 | 22   | 31500340000     |
| GPN 315 GS 41 | 58   | 38 | 41 | 8 | 22,5 | 31500410000     |
| GPN 315 GS 47 | 64   | 44 | 47 | 8 | 22,5 | 31500470000     |
| GPN 315 GS 58 | 75   | 55 | 58 | 8 | 22,5 | 31500580000     |
| GPN 315 GS 82 | 99   | 79 | 82 | 8 | 22,5 | 31500820000     |
| GPN 315 GS 86 | 103  | 83 | 86 | 8 | 22,5 | 31500860000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for internal use

| Article       | Female thread |          |             | Fine thread |          |          | Pipe thread |
|---------------|---------------|----------|-------------|-------------|----------|----------|-------------|
| GPN 315 GS 8  | M 8           | M 8 x 1  |             |             |          |          | 1/16        |
| GPN 315 GS 10 | M 10          | M 10 x 1 |             |             |          |          | 1/8         |
| GPN 315 GS 12 |               | M 12 x 1 | M 12 x 1,25 |             |          |          |             |
| GPN 315 GS 14 |               | M 14 x 1 |             | M 14 x 1,5  |          |          |             |
| GPN 315 GS 15 | M 16          | M 15 x 1 |             | M 15 x 1,5  |          |          |             |
| GPN 315 GS 16 |               | M 16 x 1 |             | M 16 x 1,5  |          |          | 3/8         |
| GPN 315 GS 18 |               | M 18 x 1 |             | M 18 x 1,5  |          |          |             |
| GPN 315 GS 22 | M 24          | M 22 x 1 |             | M 22 x 1,5  |          |          | 5/8         |
| GPN 315 GS 26 |               |          |             | M 26 x 1,5  |          |          | 3/4         |
| GPN 315 GS 30 |               |          |             | M 30 x 1,5  |          |          |             |
| GPN 315 GS 32 |               |          |             | M 32 x 1,5  | M 33 x 2 |          | 1           |
| GPN 315 GS 34 |               |          |             | M 34 x 1,5  |          |          |             |
| GPN 315 GS 41 |               |          |             |             | M 42 x 2 |          |             |
| GPN 315 GS 47 |               |          |             |             | M 48 x 2 |          |             |
| GPN 315 GS 58 |               |          |             | M 58 x 1,5  |          |          | 2           |
| GPN 315 GS 82 |               |          |             |             |          | M 85 x 4 |             |
| GPN 315 GS 86 |               |          |             |             |          |          | 3           |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.





**Saves time.**

Practical tab for easy handling.



**More versatile.**

Flexible ribs for accommodating large tolerances.



**Better.**

Protection for bore holes and internal threads.



**Seals better.**

Protection against foreign objects >1 mm



# Grip Plugs GPN 318

**NEW**

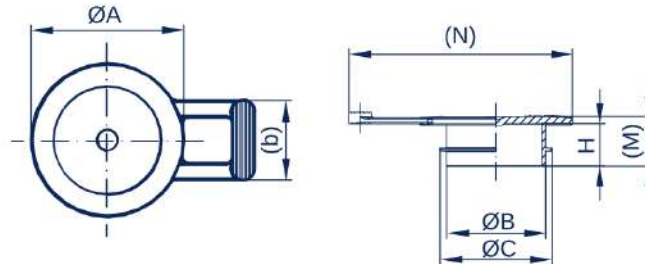


[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



## Application

The GPN 318 grip plugs are suitable for the protection of bore holes and internal threads. The innovative grip tab in a patented tab design enables extremely fast removal. Individual sizes in the range protect several thread sizes and flexible ribs accommodate larger tolerances.



**PCR-PE  
blue**

**100% PCR**

| Article            | A  | B    | C    | H   | M   | N    |             |
|--------------------|----|------|------|-----|-----|------|-------------|
| GPN 318 M 14 x 1,5 | 19 | 11,2 | 13,8 | 7   | 8,3 | 29   | 31814150000 |
| GPN 318 M 18 x 1,5 | 25 | 15,5 | 17,8 | 7   | 8,3 | 37,5 | 31818150000 |
| GPN 318 M 20 x 1,5 | 27 | 17,5 | 19,8 | 7,5 | 8,8 | 39,5 | 31820150000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

| Article            | metric female thread | Pipe thread | Unified thread according to ASME / ANSI B 1.1 UN / UNC / UNF / UNEF |
|--------------------|----------------------|-------------|---------------------------------------------------------------------|
| GPN 318 M 14 x 1,5 | M 14                 | 1/4         | 1/2   5/8   9/16                                                    |
| GPN 318 M 18 x 1,5 | M 18                 | 3/8         | 3/4                                                                 |
| GPN 318 M 20 x 1,5 | M 20                 | 3/8         | 3/4                                                                 |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.

## Our product advantages at a glance:



**Saves time.**

Newly designed removal tab for fast handling. Protected tab design.



**More versatile.**

Suitable for different thread sizes. Flexible ribs for accommodating large tolerances.



**Better.**

Protection for bore holes and internal threads.



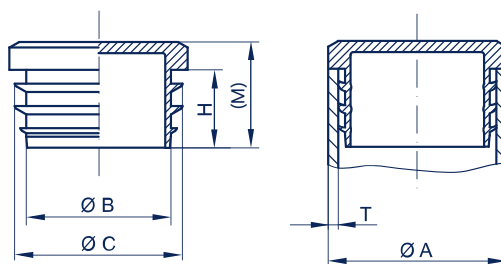
**Seals better.**

Protection against foreign objects > 1 mm



## Application

The GPN 320 finned plugs offer round pipe ends in accordance with DIN EN 10220, DIN EN 10255 and DIN EN ISO 1127 protection against damage and dirt. The robust design is suitable for high load-bearing capacity. The ribbed plugs ensure a firm fit in the application even with dimension tolerances in the pipe and have a high-quality appearance thanks to their grained top surface and chamfered edges.



**PE-LLD  
black**

| Article            | A   | T min | T max | B  | C    | H  | M  | Virgin material |
|--------------------|-----|-------|-------|----|------|----|----|-----------------|
| GPN 320 GL 10 1-2  | 10  | 1     | 2     | 5  | 8,5  | 11 | 15 | 32000100000     |
| GPN 320 GL 12 1-2  | 12  | 1     | 2     | 7  | 10,5 | 11 | 15 | 32000120000     |
| GPN 320 GL 13 1-2  | 13  | 1     | 2     | 8  | 11,5 | 11 | 15 | 32000130000     |
| GPN 320 GL 14 1-2  | 14  | 1     | 2     | 9  | 12,5 | 11 | 15 | 32000140000     |
| GPN 320 GL 15 1-2  | 15  | 1     | 2     | 10 | 13,5 | 11 | 15 | 32000150000     |
| GPN 320 GL 16 1-2  | 16  | 1     | 2     | 11 | 14,5 | 11 | 15 | 32000160000     |
| GPN 320 GL 18 1-2  | 18  | 1     | 2     | 13 | 16,5 | 11 | 15 | 32000180000     |
| GPN 320 GL 20 1-2  | 20  | 1     | 2     | 15 | 18,5 | 11 | 15 | 32000200000     |
| GPN 320 GL 22 1-2  | 22  | 1     | 2     | 16 | 20,5 | 14 | 19 | 32000220000     |
| GPN 320 GL 25 1-2  | 25  | 1     | 2     | 19 | 23,5 | 14 | 19 | 32000250000     |
| GPN 320 GL 27 1-2  | 27  | 1     | 2     | 21 | 25,5 | 14 | 19 | 32000270000     |
| GPN 320 GL 28 1-2  | 28  | 1     | 2     | 22 | 26,5 | 14 | 19 | 32000280000     |
| GPN 320 GL 30 1-2  | 30  | 1     | 2     | 24 | 28,5 | 14 | 19 | 32000300000     |
| GPN 320 GL 32 1-2  | 32  | 1     | 2     | 26 | 30,5 | 14 | 19 | 32000320000     |
| GPN 320 GL 34 1-2  | 34  | 1     | 2     | 28 | 32,5 | 14 | 19 | 32000340000     |
| GPN 320 GL 35 1-2  | 35  | 1     | 2     | 29 | 33,5 | 14 | 19 | 32000350000     |
| GPN 320 GL 36 1-2  | 36  | 1     | 2     | 30 | 34,5 | 14 | 19 | 32000360000     |
| GPN 320 GL 38 1-2  | 38  | 1     | 2     | 32 | 36,5 | 14 | 19 | 32000380000     |
| GPN 320 GL 40 1-2  | 40  | 1     | 2     | 34 | 38,5 | 14 | 19 | 32000400000     |
| GPN 320 GL 42 1-2  | 42  | 1     | 2     | 36 | 40,5 | 14 | 19 | 32000420000     |
| GPN 320 GL 45 1-2  | 45  | 1     | 2     | 39 | 43,5 | 14 | 19 | 32000450000     |
| GPN 320 GL 48 1-2  | 48  | 1     | 2     | 42 | 46,5 | 14 | 19 | 32000480000     |
| GPN 320 GL 50 1-2  | 50  | 1     | 2     | 43 | 48,5 | 17 | 22 | 32000500000     |
| GPN 320 GL 55 1-2  | 55  | 1     | 2     | 48 | 53,5 | 17 | 22 | 32000550000     |
| GPN 320 GL 60 1-2  | 60  | 1     | 2     | 53 | 58,5 | 17 | 22 | 32000600000     |
| GPN 320 GL 60 2-3  | 60  | 2     | 3     | 51 | 56,5 | 17 | 22 | 32006030000     |
| GPN 320 GL 70 2-3  | 70  | 2     | 3     | 61 | 66,5 | 17 | 22 | 32000700000     |
| GPN 320 GL 70 3-4  | 70  | 3     | 4     | 59 | 64,5 | 17 | 22 | 32007030000     |
| GPN 320 GL 76 2-3  | 76  | 2     | 3     | 67 | 72,5 | 17 | 22 | 32000760000     |
| GPN 320 GL 76 3-4  | 76  | 3     | 4     | 65 | 70,5 | 17 | 22 | 32007630000     |
| GPN 320 GL 90 2-3  | 90  | 2     | 3     | 81 | 86,5 | 17 | 22 | 32000900000     |
| GPN 320 GL 90 3-4  | 90  | 3     | 4     | 79 | 84,5 | 17 | 22 | 32009030000     |
| GPN 320 GL 102 2-3 | 102 | 2     | 3     | 93 | 98,5 | 17 | 22 | 32001020000     |
| GPN 320 GL 102 3-4 | 102 | 3     | 4     | 91 | 96,5 | 17 | 22 | 32010230000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**Better fit.**

To close off round pipes in accordance with DIN EN 10220, DIN EN 10255, and DIN EN ISO 1127.



**More robust.**

Solid design for increased demands.



**More versatile.**

Ribs on the shank provide a secure fit even with varying tube tolerances.



**Better.**

High visual appeal due to grained top surface finish and chamfered edges.



**Seals better.**

Protection against foreign objects > 1 mm

Link to GPN 320

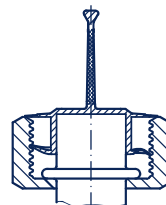
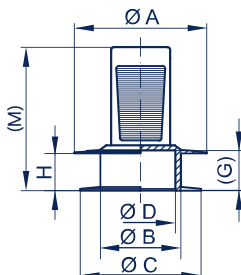




## Application

The GPN 330 grip plugs are suitable for protecting bore holes and internal threads as well as for special fittings with union nuts. The ribs engage in the threads and position the union nut at the end of the pipe. The tab is designed to be easy to handle, install and remove. Flexible ribs accommodate larger tolerances.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**



**PCR-PE / PE-LD  
yellow**



**PE-LD  
yellow**

| Article      | A    | B    | C    | D    | G    | H   | M    | 100% PCR    | Recycling blend | Virgin material |
|--------------|------|------|------|------|------|-----|------|-------------|-----------------|-----------------|
| GPN 330 L 10 | 16   | 6,4  | 10,5 | 4,4  | 5,5  | 4,1 | 26,5 | 3300010RB61 | 33000100073     | 33000100000     |
| GPN 330 L 12 | 14,3 | 6,4  | 12,3 | 4,4  | 5,5  | 4,1 | 26,5 | 3300012RB61 | 33000120073     | 33000120000     |
| GPN 330 L 14 | 16,3 | 8,4  | 14,3 | 6,4  | 5,5  | 4,1 | 26,5 | 3300014RB61 | 33000140073     | 33000140000     |
| GPN 330 L 16 | 18,3 | 10,4 | 16,3 | 8,4  | 5,5  | 4,1 | 26,5 | 3300016RB61 | 33000160073     | 33000160000     |
| GPN 330 L 18 | 21   | 10,4 | 18,5 | 8,4  | 5,5  | 4,1 | 26,5 | 3300018RB61 | 33000180073     | 33000180000     |
| GPN 330 L 19 | 21   | 13,6 | 19,7 | 11,6 | 8,3  | 6,1 | 29,3 | 3300019RB61 | 33000190073     | 33000190000     |
| GPN 330 L 20 | 22,5 | 13,6 | 20,7 | 11,6 | 8,3  | 6,1 | 29,3 | 3300020RB61 | 33000200073     | 33000200000     |
| GPN 330 L 22 | 25   | 16,4 | 22,9 | 14,4 | 8,3  | 7,6 | 29,3 | 3300022RB61 | 33000220073     | 33000220000     |
| GPN 330 L 24 | 27   | 16,4 | 24,9 | 14,4 | 8,3  | 7,6 | 29,3 | 3300024RB61 | 33000240073     | 33000240000     |
| GPN 330 L 27 | 30   | 19,6 | 27,9 | 17,6 | 8,3  | 8,1 | 29,3 | 3300027RB61 | 33000270073     | 33000270000     |
| GPN 330 L 28 | 31   | 19,6 | 28,8 | 17,6 | 8,3  | 7,9 | 29,3 | 3300028RB61 | 33000280073     | 33000280000     |
| GPN 330 L 39 | 46   | 26,2 | 39,5 | 24,2 | 11,4 | 11  | 32,4 |             |                 | 33000390000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for internal use

| Article      | Female thread | Fine thread                                  | Pipe thread                                  |
|--------------|---------------|----------------------------------------------|----------------------------------------------|
| GPN 330 L 12 | M 12          | M 10 x 1<br>M 12 x 1                         | 1/4<br>1/8                                   |
| GPN 330 L 14 | M 14          | M 14 x 1                                     | 1/4                                          |
| GPN 330 L 16 | M 16          | M 16 x 1                                     | 3/8                                          |
| GPN 330 L 18 | M 18          | M 18 x 1<br>M 19 x 1,5                       | 3/8                                          |
| GPN 330 L 19 | M 20          | M 18 x 1<br>M 20 x 1                         | 1/2                                          |
| GPN 330 L 20 | M 20          | M 20 x 1                                     | 1/2                                          |
| GPN 330 L 22 | M 24          | M 22 x 1<br>M 24 x 1                         | 5/8                                          |
| GPN 330 L 24 | M 24          | M 22 x 1<br>M 24 x 1<br>M 25 x 1             | 5/8                                          |
| GPN 330 L 27 | M 27          | M 26 x 1<br>M 27 x 1                         | 3/4                                          |
| GPN 330 L 28 | M 30          | M 27 x 1<br>M 28 x 1                         | 7/8                                          |
| GPN 330 L 39 | M 39          | M 34 x 1<br>M 35 x 1<br>M 36 x 1<br>M 37 x 1 | M 35 x 2<br>M 36 x 2<br>M 37 x 2<br>M 38 x 2 |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.



## Grip Plugs GPN 330

Your added values:



**Saves time.**

Practical tab for easy handling.



**More versatile.**

Flexible shaft ribs for accommodating large tolerances.



**Better.**

Suitable for bores and inner threads.  
Can also be used for pipelines with union nut. The lamellae engage into the thread and position the union nut at the end of the line.



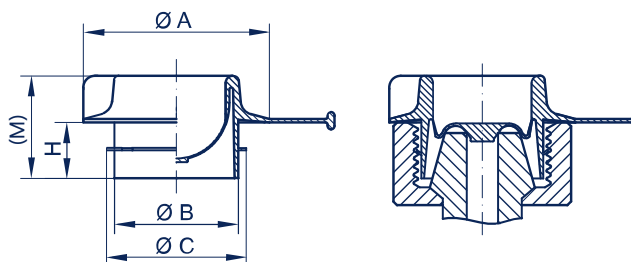
**Seals better.**

Protection against foreign objects >1 mm



## Application

The GPN 335 grip closures are used to protect hose fittings in accordance with DIN ISO 12151 during transport and storage. The side grip tab enables fast removal, and flexible ribs serve to accommodate larger tolerances. The thin-walled cone prevents the entry and exit of liquids within certain limits.



**PE-LD**  
**yellow**

| Article            | A  | B    | C    | H    | M    | Virgin material |
|--------------------|----|------|------|------|------|-----------------|
| GPN 335 M 12 x 1,5 | 14 | 10,1 | 12   | 7,5  | 17,5 | 33512150000     |
| GPN 335 M 14 x 1,5 | 17 | 12,1 | 14   | 7,5  | 17,5 | 33514150000     |
| GPN 335 M 16 x 1,5 | 19 | 14,1 | 16   | 7,5  | 17,5 | 33516150000     |
| GPN 335 M 18 x 1,5 | 22 | 15,8 | 18   | 8,7  | 18,7 | 33518150000     |
| GPN 335 M 20 x 1,5 | 24 | 17,8 | 20   | 8,7  | 18,7 | 33520150000     |
| GPN 335 M 22 x 1,5 | 27 | 19,9 | 22   | 8,7  | 18,7 | 33522150000     |
| GPN 335 M 24 x 1,5 | 30 | 21,8 | 24   | 10,7 | 20,2 | 33524150000     |
| GPN 335 M 26 x 1,5 | 32 | 22,5 | 27,5 | 8,5  | 18,5 | 33526150000     |
| GPN 335 M 30 x 2   | 40 | 26,6 | 30   | 10   | 20   | 33530200000     |
| GPN 335 M 36 x 2   | 45 | 32,6 | 36   | 12   | 24,5 | 33536200000     |
| GPN 335 M 42 x 2   | 55 | 38,5 | 41,5 | 12   | 24,5 | 33542200000     |
| GPN 335 M 45 x 2   | 55 | 41,5 | 45   | 12   | 24,5 | 33545200000     |
| GPN 335 M 52 x 2   | 65 | 48,5 | 51,5 | 12   | 26   | 33552200000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for internal use

| Article            | Female thread | Fine thread | Pipe thread |
|--------------------|---------------|-------------|-------------|
| GPN 335 M 12 x 1,5 | M 12          | M 12 x 1    |             |
| GPN 335 M 14 x 1,5 |               | M 14 x 1    |             |
| GPN 335 M 16 x 1,5 |               | M 16 x 1    |             |
| GPN 335 M 18 x 1,5 |               | M 18 x 1    | 3/8         |
| GPN 335 M 20 x 1,5 |               | M 20 x 1    | 1/2         |
| GPN 335 M 22 x 1,5 |               | M 22 x 1    |             |
| GPN 335 M 24 x 1,5 |               | M 24 x 1    |             |
| GPN 335 M 26 x 1,5 |               | M 25 x 1,5  |             |
|                    |               | M 26 x 1,5  |             |
|                    |               | M 27 x 1,5  |             |
| GPN 335 M 30 x 2   |               | M 30 x 1,5  | M 30 x 2    |
| GPN 335 M 36 x 2   | M 39          | M 36 x 1,5  | M 36 x 2    |
| GPN 335 M 42 x 2   | M 45          | M 42 x 1,5  | M 42 x 2    |
| GPN 335 M 45 x 2   |               | M 45 x 1,5  | M 45 x 2    |
| GPN 335 M 52 x 2   | M 56          | M 52 x 1,5  | M 52 x 2    |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.



## Grip Closures GPN 335

Your added values:



**Better fit.**

For transport and storage of hose fittings in accordance with DIN ISO 12151.



**Saves time.**

With tab on the side for fast removal.



**Seals better.**

A thin-walled cone prevents penetration and leaking of liquids within certain limits.



**More versatile.**

Flexible rib for accommodating larger tolerances.



**Better.**

Also suitable as cap for bore holes and internal threads.



**Seals better.**

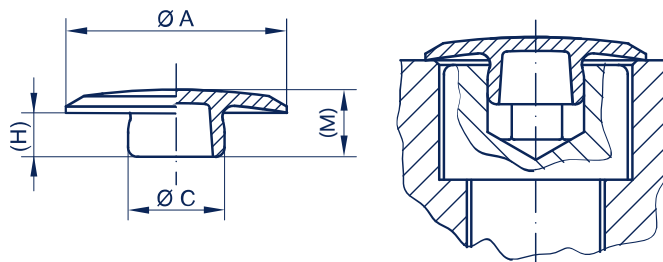
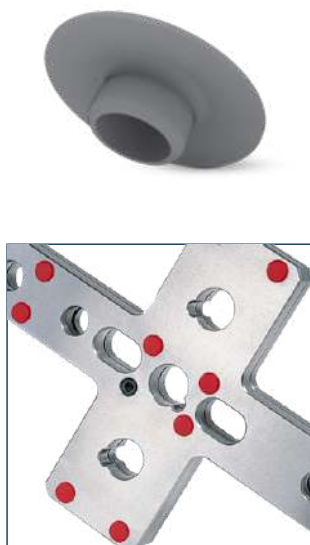
Protection against foreign objects >1 mm



## Application

The GPN 340 covers are suitable for the protection of countersunk hexagonal socket screws pursuant to DIN EN ISO 4762 and locking screws as per DIN 908 against dirt and damage.

All information about the recycling blend can be found in at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article        | Thread | hexagon socket SW | A    | C    | H   | M    | PCR-PE / PE-LD<br>grey | PE-LD<br>grey   |
|----------------|--------|-------------------|------|------|-----|------|------------------------|-----------------|
|                |        |                   |      |      |     |      | Recycling blend        | Virgin material |
| GPN 340 SW 2,5 | M 3    | 2,5               | 10   | 2,8  | 2,2 | 4    | 34000250073            | 34000250000     |
| GPN 340 SW 3   | M 4    | 3                 | 12   | 3,3  | 2,3 | 4,3  | 34000300073            | 34000300000     |
| GPN 340 SW 4   | M 5    | 4                 | 14   | 4,4  | 2,9 | 4,9  | 34000400073            | 34000400000     |
| GPN 340 SW 5   | M 6    | 5                 | 15   | 5,4  | 3,3 | 5,3  |                        | 34000500000     |
| GPN 340 SW 6   | M 8    | 6                 | 19   | 6,3  | 4   | 6,1  | 34000600073            | 34000600000     |
| GPN 340 SW 8   | M 10   | 8                 | 22   | 8,5  | 4,5 | 7    | 34000800073            | 34000800000     |
| GPN 340 SW 10  | M 12   | 10                | 24   | 10,5 | 5   | 7,3  | 34001000073            | 34001000000     |
| GPN 340 SW 14  | M 16   | 14                | 30   | 14,5 | 7,1 | 9,7  | 34001400073            | 34001400000     |
| GPN 340 SW 17  | M 20   | 17                | 36,5 | 17,5 | 9   | 11,6 | 34001700073            | 34001700000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**Better fit.**

Suitable for countersunk hexagonal socket head screws in accordance with DIN EN ISO 4762 and locking screws conforming to DIN 908.



**Seals better.**

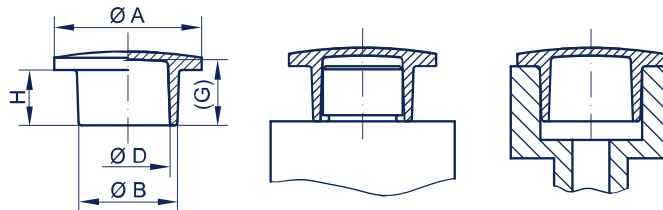
Protection against foreign objects >1 mm



## Application

The GPN 350 closures enable versatile use as caps or plugs and protect openings, bolts, pipes and threads.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE blue**      **PCR-PE / PE-LD yellow**      **PE-LD natural**

**100% PCR**      **Recycling blend**      **Virgin material**

| Article        | A  | B    | D    | G    | H   | 100% PCR    | Recycling blend | Virgin material |
|----------------|----|------|------|------|-----|-------------|-----------------|-----------------|
| GPN 350 I 1    | 13 | 5,8  | 3,8  | 7,3  | 6   | 3500001RB61 | 35000011073     | 35000010000     |
| GPN 350 I 2    | 13 | 6,2  | 3,8  | 7,3  | 6   | 3500002RB61 | 35000021073     | 35000020000     |
| GPN 350 I 3    | 13 | 6,4  | 5    | 10,8 | 9   | 3500003RB61 | 35000031073     | 35000030000     |
| GPN 350 I 4    | 13 | 7,1  | 4,7  | 7,8  | 6   | 3500004RB61 | 35000041073     | 35000040000     |
| GPN 350 I 4,5  | 13 | 7,4  | 5    | 7,8  | 6   | 3500450RB61 | 35004501073     | 35004500000     |
| GPN 350 I 5    | 13 | 8,2  | 5,8  | 7,8  | 6   | 3500005RB61 | 35000051073     | 35000050000     |
| GPN 350 I 6    | 13 | 7,8  | 6    | 10,8 | 9   | 3500006RB61 | 35000061073     | 35000060000     |
| GPN 350 I 6,5  | 13 | 8,7  | 6,9  | 7,3  | 6   | 3500650RB61 | 35006501073     | 35006500000     |
| GPN 350 I 7    | 13 | 9,3  | 7,7  | 7,3  | 6   | 3500007RB61 | 35000071073     | 35000070000     |
| GPN 350 I 7,5  | 16 | 9,8  | 7,5  | 9,8  | 8,5 | 3500750RB61 | 35007501073     | 35007500000     |
| GPN 350 I 8    | 16 | 10,4 | 8,1  | 9    | 8   | 3500008RB61 | 35000081073     | 35000080000     |
| GPN 350 I 9    | 16 | 10,4 | 8    | 12,8 | 11  | 3500009RB61 | 35000091073     | 35000090000     |
| GPN 350 I 10   | 16 | 10,8 | 8,8  | 9,8  | 8   | 3500010RB61 | 35000101073     | 35000100000     |
| GPN 350 I 11   | 16 | 11,3 | 9,4  | 9,3  | 8   | 3500011RB61 | 35000111073     | 35000110000     |
| GPN 350 I 12   | 16 | 11,9 | 9,7  | 14,5 | 13  | 3500012RB61 | 35000121073     | 35000120000     |
| GPN 350 I 13   | 16 | 11,9 | 9,7  | 9,2  | 8   | 3500013RB61 | 35000131073     | 35000130000     |
| GPN 350 I 13,5 | 19 | 12,5 | 10,5 | 9,8  | 8   | 3501350RB61 | 35013501073     | 35013500000     |
| GPN 350 I 14   | 19 | 12,9 | 10,9 | 9,8  | 8   | 3500014RB61 | 35000141073     | 35000140000     |
| GPN 350 I 14,5 | 19 | 13,4 | 11,4 | 9,8  | 8   | 3501450RB61 | 35014501073     | 35014500000     |
| GPN 350 I 15   | 19 | 13,9 | 11,7 | 9,8  | 8   | 3500015RB61 | 35000151073     | 35000150000     |
| GPN 350 I 16   | 19 | 14   | 11,7 | 17,7 | 16  | 3500016RB61 | 35000161073     | 35000160000     |
| GPN 350 I 17   | 19 | 14,5 | 12,5 | 9,3  | 8   | 3500017RB61 | 35000171073     | 35000170000     |
| GPN 350 I 18   | 19 | 15   | 13   | 9,3  | 8   | 3500018RB61 | 35000181073     | 35000180000     |
| GPN 350 I 18,5 | 19 | 15,3 | 13,3 | 10,7 | 9   | 3501850RB61 | 35018501073     | 35018500000     |
| GPN 350 I 20   | 24 | 15,9 | 13,7 | 10,7 | 9   | 3500020RB61 | 35000201073     | 35000200000     |
| GPN 350 I 20,5 | 24 | 16,5 | 14,2 | 10,7 | 9   | 3502050RB61 | 35020501073     | 35020500000     |
| GPN 350 I 21   | 24 | 17   | 14,7 | 10,6 | 9   | 3500021RB61 | 35000211073     | 35000210000     |
| GPN 350 I 21,5 | 24 | 17,3 | 15   | 10,7 | 9   | 3502150RB61 | 35021501073     | 35021500000     |
| GPN 350 I 22   | 24 | 17,8 | 14,7 | 23,3 | 22  | 3500022RB61 | 35000221073     | 35000220000     |
| GPN 350 I 23   | 24 | 17,7 | 15,7 | 10,7 | 9   | 3500023RB61 | 35000231073     | 35000230000     |
| GPN 350 I 24   | 24 | 18,3 | 16,5 | 10,7 | 9   | 3500024RB61 | 35000241073     | 35000240000     |
| GPN 350 I 24,5 | 26 | 19,1 | 16,8 | 10,7 | 8,5 | 3502450RB61 | 35024501073     | 35024500000     |
| GPN 350 I 25   | 26 | 19,9 | 17,7 | 12,2 | 10  | 3500025RB61 | 35000251073     | 35000250000     |
| GPN 350 I 26   | 26 | 20,9 | 18,7 | 12,2 | 10  | 3500026RB61 | 35000261073     | 35000260000     |
| GPN 350 I 27   | 26 | 21,5 | 18,7 | 28,2 | 26  | 3500027RB61 | 35000271073     | 35000270000     |
| GPN 350 I 28   | 26 | 22   | 19,7 | 12,2 | 10  | 3500028RB61 | 35000281073     | 35000280000     |
| GPN 350 I 29   | 26 | 22,7 | 20,5 | 12,2 | 10  | 3500029RB61 | 35000291073     | 35000290000     |
| GPN 350 I 30   | 29 | 23,2 | 21,2 | 12,2 | 10  | 3500030RB61 | 35000301073     | 35000300000     |
| GPN 350 I 31   | 29 | 23,7 | 21,7 | 12,2 | 10  | 3500031RB61 | 35000311073     | 35000310000     |
| GPN 350 I 32   | 29 | 24,4 | 23   | 12,2 | 10  | 3500032RB61 | 35000321073     | 35000320000     |
| GPN 350 I 33   | 29 | 25   | 23,7 | 12,2 | 10  | 3500033RB61 | 35000331073     | 35000330000     |
| GPN 350 I 35   | 33 | 26,3 | 24,9 | 13,2 | 11  | 3500035RB61 | 35000351073     | 35000350000     |
| GPN 350 I 36   | 33 | 27,2 | 25,2 | 13,2 | 11  | 3500036RB61 | 35000361073     | 35000360000     |
| GPN 350 I 37   | 33 | 28,3 | 25,7 | 13,2 | 11  | 3500037RB61 | 35000371073     | 35000370000     |
| GPN 350 I 38   | 33 | 29,3 | 26,9 | 12,5 | 11  | 3500038RB61 | 35000381073     | 35000380000     |
| GPN 350 I 39   | 36 | 30,1 | 27,9 | 12,6 | 11  | 3500039RB61 | 35000391073     | 35000390000     |
| GPN 350 I 40   | 36 | 30,4 | 28,3 | 13,2 | 11  | 3500040RB61 | 35000401073     | 35000400000     |
| GPN 350 I 40,5 | 36 | 30,7 | 28,6 | 13,2 | 11  | 3504050RB61 | 35040501073     | 35040500000     |
| GPN 350 I 40,8 | 36 | 31,3 | 29,2 | 13,2 | 11  | 3504080RB61 | 35040801073     | 35040800000     |
| GPN 350 I 41   | 36 | 32   | 29,7 | 12,5 | 11  | 3500041RB61 | 35000411073     | 35000410000     |
| GPN 350 I 42   | 36 | 32,8 | 30,5 | 13,2 | 11  | 3500042RB61 | 35000421073     | 35000420000     |
| GPN 350 I 43   | 42 | 33,9 | 31,5 | 14,2 | 12  | 3500043RB61 | 35000431073     | 35000430000     |
| GPN 350 I 44   | 42 | 34,5 | 32,5 | 14,2 | 12  | 3500044RB61 | 35000441073     | 35000440000     |
| GPN 350 I 45   | 42 | 35,3 | 32,4 | 14,2 | 12  | 3500045RB61 | 35000451073     | 35000450000     |





| Article       | A  | B    | D    | G    | H    | PCR-PE<br>blue | PCR-PE / PE-LD<br>yellow | PE-LD<br>natural |
|---------------|----|------|------|------|------|----------------|--------------------------|------------------|
|               |    |      |      |      |      | 100% PCR       | Recycling blend          | Virgin material  |
| GPN 350 I 46  | 42 | 36,5 | 34,7 | 14,2 | 12   | 3500046RB61    | 35000461073              | 35000460000      |
| GPN 350 I 47  | 45 | 38   | 35,7 | 14,2 | 12   | 3500047RB61    | 35000471073              | 35000470000      |
| GPN 350 I 48  | 45 | 38,9 | 36,7 | 14,2 | 12   | 3500048RB61    | 35000481073              | 35000480000      |
| GPN 350 I 49  | 45 | 39,4 | 37,5 | 14,2 | 12   | 3500049RB61    | 35000491073              | 35000490000      |
| GPN 350 I 50  | 45 | 40,2 | 38,5 | 14,2 | 12   | 3500050RB61    | 35000501073              | 35000500000      |
| GPN 350 I 51  | 50 | 41,8 | 39,5 | 13,7 | 12   | 3500051RB61    | 35000511073              | 35000510000      |
| GPN 350 I 52  | 50 | 43,7 | 41,5 | 14,2 | 12   | 3500052RB61    | 35000521073              | 35000520000      |
| GPN 350 I 53  | 50 | 44,8 | 42   | 14,2 | 12   | 3500053RB61    | 35000531073              | 35000530000      |
| GPN 350 I 54  | 56 | 46,8 | 44,5 | 13,7 | 12   | 3500054RB61    | 35000541073              | 35000540000      |
| GPN 350 I 55  | 56 | 48,7 | 46,7 | 14,2 | 12   | 3500055RB61    | 35000551073              | 35000550000      |
| GPN 350 I 56  | 56 | 50,5 | 47,5 | 22,2 | 20   | 3500056RB61    | 35000561073              | 35000560000      |
| GPN 350 I 57  | 62 | 54   | 51,5 | 14,2 | 13   | 3500057RB61    | 35000571073              | 35000570000      |
| GPN 350 I 58  | 72 | 62,5 | 59,2 | 16   | 14   | 3500058RB61    | 35000581073              | 35000580000      |
| GPN 350 I 59  | 88 | 75,6 | 72,9 | 16,5 | 14   | 3500059RB61    | 35000591073              | 35000590000      |
| GPN 350 I 60  | 92 | 88,5 | 85   | 20   | 20   | 3500060RB61    | 35000601073              | 35000600000      |
| GPN 350 I 531 | 56 | 45,8 | 43,9 | 12,9 | 11,8 | 3500531RB61    | 35005311073              | 35005310000      |
| GPN 350 I 541 | 55 | 48,3 | 46,3 | 14,2 | 12   | 3500541RB61    | 35005411073              | 35005410000      |
| GPN 350 I 570 | 65 | 59,4 | 56,9 | 15   | 15   | 3500570RB61    | 35005701073              | 35005700000      |
| GPN 350 I 571 | 65 | 60,8 | 56,8 | 18   | 18   | 3500571RB61    | 35005711073              | 35005710000      |
| GPN 350 I 581 | 85 | 79,5 | 76,5 | 18   | 18   | 3500581RB61    | 35005811073              | 35005810000      |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More versatile.

Can be used as plug or cap.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Better.

Suitable for apertures, studs, conductors and threads.



### Seals better.

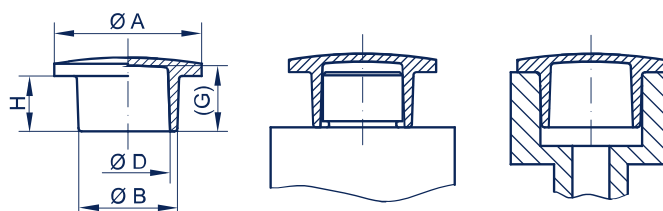
Protection against foreign objects > 1 mm



## Application

The GPN 351 flexible closures can be used for openings, bolts, pipes, hexagonal geometries and threads. Suitable for different diameters due to flexible material, which is temporarily heat-resistant up to 150°C. The circumferential grip rim facilitates removal.

All information on 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article        | A  | B    | D    | G    | H    | PCR-TPE<br>yellow | TPE<br>yellow   |
|----------------|----|------|------|------|------|-------------------|-----------------|
|                |    |      |      |      |      | Recycling blend   | Virgin material |
| GPN 351 I 1    | 13 | 5,8  | 3,8  | 7,3  | 6    | 35100010085       | 35100010000     |
| GPN 351 I 2    | 13 | 6,2  | 3,8  | 7,3  | 6    | 35100020085       | 35100020000     |
| GPN 351 I 3    | 13 | 6,4  | 5    | 10,8 | 9    | 35100030085       | 35100030000     |
| GPN 351 I 4    | 13 | 7,1  | 4,7  | 7,8  | 6    | 35100040085       | 35100040000     |
| GPN 351 I 4,5  | 13 | 7,4  | 5    | 7,8  | 6    | 35104500085       | 35104500000     |
| GPN 351 I 5    | 13 | 8,2  | 5,8  | 7,8  | 6    | 35100050085       | 35100050000     |
| GPN 351 I 6    | 13 | 7,8  | 6,3  | 10,8 | 9    | 35100060085       | 35100060000     |
| GPN 351 I 6,5  | 13 | 8,7  | 6,9  | 7,3  | 6    | 35106500085       | 35106500000     |
| GPN 351 I 7    | 13 | 9,3  | 7,7  | 7,3  | 6    | 35100070085       | 35100070000     |
| GPN 351 I 7,5  | 16 | 9,8  | 7,5  | 9,8  | 8,5  | 35107500085       | 35107500000     |
| GPN 351 I 8    | 16 | 10,4 | 8,1  | 9    | 8    | 35100080085       | 35100080000     |
| GPN 351 I 9    | 16 | 10,4 | 8    | 12,8 | 11   | 35100090085       | 35100090000     |
| GPN 351 I 10   | 16 | 10,8 | 8,8  | 9,8  | 8    | 35100100085       | 35100100000     |
| GPN 351 I 11   | 16 | 11,3 | 9,4  | 9,3  | 8    | 35100110085       | 35100110000     |
| GPN 351 I 12   | 16 | 11,9 | 9,7  | 14,5 | 13   | 35100120085       | 35100120000     |
| GPN 351 I 13   | 16 | 11,9 | 9,7  | 9,2  | 8    | 35100130085       | 35100130000     |
| GPN 351 I 13,5 | 19 | 12,5 | 10,5 | 9,8  | 8    | 35113500085       | 35113500000     |
| GPN 351 I 14   | 19 | 12,9 | 10,9 | 9,8  | 8    | 35100140085       | 35100140000     |
| GPN 351 I 14,5 | 19 | 13,4 | 11,4 | 9,8  | 8    | 35114500085       | 35114500000     |
| GPN 351 I 15   | 19 | 13,9 | 11,7 | 9,8  | 8    | 35100150085       | 35100150000     |
| GPN 351 I 16   | 19 | 14   | 11,7 | 17,7 | 16   | 35100160085       | 35100160000     |
| GPN 351 I 17   | 19 | 14,5 | 12,5 | 9,3  | 8    | 35100170085       | 35100170000     |
| GPN 351 I 18   | 19 | 15   | 13   | 9,3  | 8    | 35100180085       | 35100180000     |
| GPN 351 I 18,5 | 19 | 15,3 | 13,3 | 10,7 | 9    | 35118500085       | 35118500000     |
| GPN 351 I 20   | 24 | 15,9 | 13,7 | 10,7 | 9    | 35100200085       | 35100200000     |
| GPN 351 I 20,5 | 24 | 16,5 | 14,2 | 10,7 | 9    | 35120500085       | 35120500000     |
| GPN 351 I 21   | 24 | 17   | 14,7 | 10,6 | 9    | 35100210085       | 35100210000     |
| GPN 351 I 21,5 | 24 | 17,3 | 15   | 10,7 | 9    | 35121500085       | 35121500000     |
| GPN 351 I 22   | 24 | 17,8 | 14,7 | 23,3 | 22   | 35100220085       | 35100220000     |
| GPN 351 I 23   | 24 | 17,7 | 15,7 | 10,7 | 9    | 35100230085       | 35100230000     |
| GPN 351 I 24   | 24 | 18,3 | 16,5 | 10,7 | 9    | 35100240085       | 35100240000     |
| GPN 351 I 24,5 | 26 | 19,1 | 16,8 | 10,7 | 8,5  | 35124500085       | 35124500000     |
| GPN 351 I 25   | 26 | 19,9 | 17,7 | 12,2 | 10   | 35100250085       | 35100250000     |
| GPN 351 I 26   | 26 | 20,9 | 18,7 | 12,2 | 10   | 35100260085       | 35100260000     |
| GPN 351 I 27   | 26 | 21,7 | 18,7 | 28,2 | 26   | 35100270085       | 35100270000     |
| GPN 351 I 28   | 26 | 22   | 19,9 | 12,2 | 10   | 35100280085       | 35100280000     |
| GPN 351 I 29   | 26 | 22,9 | 20,7 | 12,2 | 10   | 35100290085       | 35100290000     |
| GPN 351 I 30   | 29 | 23,2 | 21,4 | 12,2 | 10   | 35100300085       | 35100300000     |
| GPN 351 I 31   | 29 | 23,7 | 21,9 | 12,2 | 10   | 35100310085       | 35100310000     |
| GPN 351 I 32   | 29 | 24,4 | 23   | 12,2 | 10   | 35100320085       | 35100320000     |
| GPN 351 I 33   | 29 | 25,2 | 23,9 | 12,2 | 10   | 35100330085       | 35100330000     |
| GPN 351 I 35   | 33 | 26,3 | 25,2 | 13,5 | 11   | 35100350085       | 35100350000     |
| GPN 351 I 36   | 33 | 27,2 | 25,4 | 13,2 | 11   | 35100360085       | 35100360000     |
| GPN 351 I 37   | 33 | 28,3 | 25,9 | 13,6 | 11   | 35100370085       | 35100370000     |
| GPN 351 I 38   | 33 | 29,3 | 27   | 12,7 | 11   | 35100380085       | 35100380000     |
| GPN 351 I 39   | 36 | 30,1 | 27,9 | 12,6 | 11   | 35100390085       | 35100390000     |
| GPN 351 I 40   | 36 | 30,4 | 28,3 | 12,7 | 11   | 35100400085       | 35100400000     |
| GPN 351 I 40,5 | 36 | 30,7 | 28,6 | 13,2 | 11   | 35140500085       | 35140500000     |
| GPN 351 I 40,8 | 36 | 31,3 | 29,2 | 13,2 | 11   | 35140800085       | 35140800000     |
| GPN 351 I 41   | 36 | 32   | 29,7 | 12,7 | 11   | 35100410085       | 35100410000     |
| GPN 351 I 42   | 36 | 32,8 | 30,5 | 12,7 | 11   | 35100420085       | 35100420000     |
| GPN 351 I 43   | 42 | 33,9 | 31,7 | 13,7 | 12,2 | 35100430085       | 35100430000     |
| GPN 351 I 44   | 42 | 34,6 | 32,8 | 13,8 | 12   | 35100440085       | 35100440000     |
| GPN 351 I 45   | 42 | 35,3 | 32,6 | 13,5 | 12   | 35100450085       | 35100450000     |





| Article       | A    | B    | D    | G    | H    | PCR-TPE<br>yellow | TPE<br>yellow   |
|---------------|------|------|------|------|------|-------------------|-----------------|
|               |      |      |      |      |      | Recycling blend   | Virgin material |
| GPN 351 I 46  | 42   | 36,6 | 35   | 13,8 | 12   | 35100460085       | 35100460000     |
| GPN 351 I 47  | 45   | 38   | 36   | 14,2 | 12   | 35100470085       | 35100470000     |
| GPN 351 I 48  | 45   | 38,9 | 37   | 14,2 | 12   | 35100480085       | 35100480000     |
| GPN 351 I 49  | 45   | 39,5 | 37,8 | 13,8 | 12   | 35100490085       | 35100490000     |
| GPN 351 I 50  | 45   | 40,3 | 38,8 | 14,2 | 12   | 35100500085       | 35100500000     |
| GPN 351 I 51  | 50   | 42   | 40   | 13,4 | 12,2 | 35100510085       | 35100510000     |
| GPN 351 I 52  | 50   | 43,7 | 42   | 14,2 | 12   | 35100520085       | 35100520000     |
| GPN 351 I 53  | 50   | 44,9 | 42,5 | 14   | 12   | 35100530085       | 35100530000     |
| GPN 351 I 531 | 56   | 46,8 | 43,9 | 13,2 | 12   | 35105310085       | 35105310000     |
| GPN 351 I 54  | 56   | 47,2 | 45   | 13,3 | 12   | 35100540085       | 35100540000     |
| GPN 351 I 541 | 55   | 48,6 | 46,5 | 14,4 | 12   | 35105410085       | 35105410000     |
| GPN 351 I 55  | 56   | 48,5 | 47   | 13,7 | 12,2 | 35100550085       | 35100550000     |
| GPN 351 I 56  | 56   | 50,3 | 48   | 21,7 | 20   | 35100560085       | 35100560000     |
| GPN 351 I 57  | 62,5 | 54,6 | 52   | 14,5 | 13,2 | 35100570085       | 35100570000     |
| GPN 351 I 570 | 65   | 59,8 | 56,9 | 15   | 15   | 35105700085       | 35105700000     |
| GPN 351 I 571 | 65   | 60,8 | 56,8 | 18   | 18   | 35105710085       | 35105710000     |
| GPN 351 I 58  | 72   | 63   | 59,8 | 15,5 | 14   | 35100580085       | 35100580000     |
| GPN 351 I 581 | 85   | 80   | 77   | 18   | 18   | 35105810085       | 35105810000     |
| GPN 351 I 59  | 88   | 76   | 73,5 | 15,5 | 14   | 35100590085       | 35100590000     |
| GPN 351 I 60  | 93   | 88,5 | 84,5 | 20,5 | 20,5 | 35100600085       | 35100600000     |

Dimensions in mm.

Engraving corresponds to standard series GPN 350.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More resource-saving.

The plastic used contains PCR and conserves resources.



### Higher temperature resistance.

Heat resistant to 150 °C.



### More versatile.

Suitable for different diameters due to flexible material. Free from plasticizers with SVHC\*\* relevance.



### Better.

Suitable for apertures, studs, conductors, hexagonal shapes and threads.



### Seals better.

Protection against foreign objects >1 mm



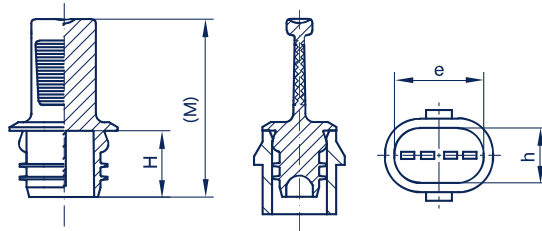
## Application



The contact protection GPN 360 Type A is used to protect compact connector sockets in the low-voltage range, e.g. MLK, SLK and MAK, and is also suitable for oval openings. The handy grip tab ensures quick removal and the circumferential ribs enable an optimum clamping fit.

Within certain limits, the contact protection prevents the ingress of liquids.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE**  
blue

**PCR-PE / PE-LD**  
yellow

**PE-LLD**  
yellow

100% PCR

Recycling blend

Virgin material

| Article          | e     | h     | H   | M    | 100% PCR    | Recycling blend | Virgin material |
|------------------|-------|-------|-----|------|-------------|-----------------|-----------------|
| GPN 360 KS 1006  | 9,8   | 5,8   | 7,7 | 20,7 | 3601006RB61 | 36010060073     | 36010060000     |
| GPN 360 KS 1008  | 10,1  | 7,9   | 7,7 | 20,7 | 3601008RB61 | 36010080073     | 36010080000     |
| GPN 360 KS 1311* | 13,3  | 10,8  | 7,5 | 20,7 | 3601311RB61 |                 | 36013110000     |
| GPN 360 KS 1316  | 15,39 | 12,89 | 7,7 | 20,7 | 3601316RB61 | 36013160073     | 36013160000     |
| GPN 360 KS 1406  | 13,8  | 5,8   | 7,7 | 20,7 | 3601406RB61 | 36014060073     | 36014060000     |
| GPN 360 KS 1615* | 16,3  | 15,3  | 7,7 | 20,7 | 3601615RB61 |                 | 36016150000     |
| GPN 360 KS 1710  | 17    | 9,8   | 7,7 | 20,7 | 3601710RB61 | 36017100073     | 36017100000     |
| GPN 360 KS 1711* | 16,7  | 10,7  | 7,5 | 20,7 | 3601711RB61 |                 | 36017110000     |
| GPN 360 KS 1909* | 19,6  | 8,7   | 7,7 | 20,7 | 3601909RB61 |                 | 36019090000     |
| GPN 360 KS 1912  | 18,6  | 11,6  | 7,5 | 20,5 | 3601912RB61 | 36019120073     | 36019120000     |
| GPN 360 KS 2008  | 19,5  | 7,2   | 7,7 | 20,7 | 3602008RB61 | 36020080073     | 36020080000     |
| GPN 360 KS 2009  | 20,2  | 9,9   | 7,7 | 20,7 | 3602009RB61 | 36020090073     | 36020090000     |
| GPN 360 KS 2016  | 20,04 | 15,44 | 7,7 | 20,7 | 3602016RB61 | 36020160073     | 36020160000     |
| GPN 360 KS 2111  | 22,8  | 13,5  | 7,7 | 20,7 | 3602111RB61 | 36021110073     | 36021110000     |
| GPN 360 KS 2114  | 20,2  | 13,6  | 8   | 21   | 3602114RB61 | 36021140073     | 36021140000     |
| GPN 360 KS 2121  | 20,4  | 20,6  | 9,2 | 22,2 | 3602121RB61 | 36021210073     | 36021210000     |
| GPN 360 KS 2214  | 21,6  | 13,2  | 5,3 | 18,3 | 3602214RB61 | 36022140073     | 36022140000     |
| GPN 360 KS 2217  | 21,1  | 16,3  | 6,5 | 19,5 | 3602217RB61 | 36022170073     | 36022170000     |
| GPN 360 KS 2408  | 23,2  | 7,2   | 7,7 | 20,7 | 3602408RB61 | 36024080073     | 36024080000     |
| GPN 360 KS 2410  | 23,9  | 10,6  | 9,8 | 25,8 | 3602410RB61 |                 | 36024100000     |
| GPN 360 KS 2411* | 23,8  | 10,8  | 8   | 21,2 | 3602411RB61 |                 | 36024110000     |
| GPN 360 KS 2416  | 23,29 | 15,29 | 7,7 | 20,7 | 3602416RB61 | 36024160073     | 36024160000     |
| GPN 360 KS 2421  | 23,8  | 20    | 8,5 | 21,5 | 3602421RB61 | 36024210073     | 36024210000     |
| GPN 360 KS 2711  | 26,89 | 10,39 | 7,7 | 20,7 | 3602711RB61 | 36027110073     | 36027110000     |
| GPN 360 KS 2716  | 27,04 | 15,44 | 7,7 | 20,7 | 3602716RB61 | 36027160073     | 36027160000     |
| GPN 360 KS 2808  | 27,2  | 7,2   | 7,7 | 20,7 | 3602808RB61 | 36028080073     | 36028080000     |
| GPN 360 KS 2813* | 27,7  | 12,6  | 7,7 | 20,7 | 3602813RB61 | 36028130073     | 36028130000     |
| GPN 360 KS 2824  | 27,4  | 23,8  | 9   | 25   |             |                 | 36028240000     |
| GPN 360 KS 2921  | 28,4  | 20,6  | 9,2 | 22,2 | 3602921RB61 | 36029210073     | 36029210000     |
| GPN 360 KS 2922* | 28,2  | 21,4  | 7,7 | 20,7 | 3602922RB61 | 36029220073     | 36029220000     |
| GPN 360 KS 2922* | 28,2  | 21,4  | 7,7 | 20,7 | 3602922RB61 | 36029220073     | 36029220000     |
| GPN 360 KS 3019  | 29,4  | 18,3  | 7,5 | 20,5 | 3603019RB61 | 36030190073     | 36030190000     |
| GPN 360 KS 3021  | 30    | 21    | 6,8 | 19,8 | 3603021RB61 | 36030210073     | 36030210000     |
| GPN 360 KS 3025  | 29,9  | 24,9  | 7,5 | 20,7 | 3603025RB61 |                 | 36030250000     |
| GPN 360 KS 3112  | 31,2  | 12,1  | 7,5 | 20,5 | 3603112RB61 | 36031120073     | 36031120000     |
| GPN 360 KS 3114  | 33,6  | 15,8  | 7,5 | 20,5 | 3603114RB61 | 36031140073     | 36031140000     |
| GPN 360 KS 3116  | 31,2  | 16    | 6   | 22,2 | 3603116RB61 | 36031160073     | 36031160000     |
| GPN 360 KS 3219  | 31,9  | 18,9  | 7,5 | 20,5 | 3603219RB61 | 36032190073     | 36032190000     |
| GPN 360 KS 3224  | 31,8  | 24,5  | 7,5 | 20,5 | 3603224RB61 | 36032240073     | 36032240000     |
| GPN 360 KS 3608  | 35,2  | 7,15  | 7,7 | 20,7 | 3603608RB61 | 36036080073     | 36036080000     |
| GPN 360 KS 3715  | 36,2  | 14,5  | 7,7 | 20,7 | 3603715RB61 | 36037150073     | 36037150000     |
| GPN 360 KS 3715  | 36,2  | 14,5  | 7,7 | 20,7 |             |                 | 36038290000     |
| GPN 360 KS 3912  | 39,1  | 11,8  | 8   | 21   | 3603912RB61 | 36039120073     | 36039120000     |
| GPN 360 KS 4117  | 41,9  | 17,9  | 7,7 | 20,7 | 3604117RB61 | 36041170073     | 36041170000     |
| GPN 360 KS 4121  | 40,4  | 20,6  | 9,2 | 22,2 | 3604121RB61 | 36041210073     | 36041210000     |
| GPN 360 KS 4216  | 41,09 | 15,39 | 7,7 | 20,7 | 3604216RB61 | 36042160073     | 36042160000     |
| GPN 360 KS 4217  | 42,8  | 17,7  | 7,7 | 20,7 | 3604217RB61 |                 | 36042170000     |
| GPN 360 KS 4316* | 43,2  | 16    | 6   | 19,2 | 3604316RB61 |                 | 36043160000     |
| GPN 360 KS 4624* | 45,2  | 23,7  | 9   | 30   | 3604624RB61 |                 | 36046240000     |
| GPN 360 KS 4817* | 47,6  | 16,6  | 10  | 31,2 | 3604817RB61 | 36048170073     | 36048170000     |
| GPN 360 KS 5024  | 50,2  | 23,9  | 9,5 | 22,5 | 3605024RB61 | 36050240073     | 36050240000     |
| GPN 360 KS 5428  | 57    | 29,8  | 7   | 20   | 3605428RB61 |                 | 36054280000     |



# Contact Protection

## GPN 360 Type A



| Article         | e    | h    | H   | M    | 100% PCR    | Recycling blend | Virgin material |
|-----------------|------|------|-----|------|-------------|-----------------|-----------------|
| GPN 360 KS 5721 | 56,4 | 20,6 | 9,2 | 22,2 | 3605721RB61 | 36057210073     | 36057210000     |

Dimensions in mm.

\*These articles are made of PE-LD in virgin material.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article          | Article number | Manufacturer    | Connector family     | Housing Type | Number of poles |
|------------------|----------------|-----------------|----------------------|--------------|-----------------|
| GPN 360 KS 1006  | 3601006RB61    | TE Connectivity | MCON 1.2             | male         | 2               |
| GPN 360 KS 1006  | 3601006RB61    | Hirschmann      | Sealstar             | male         | 2               |
| GPN 360 KS 1006  | 3601006RB61    | Kostal          | MLK 1.2              | male         | 2               |
| GPN 360 KS 1311  | 3601311RB61    | Molex           | MX 150               | male         | 2               |
| GPN 360 KS 1311  | 3601311RB61    | Diverse         | tbd                  | male         | tbd             |
| GPN 360 KS 1316  | 3601316RB61    | Molex           | MX 150               | male         | 4               |
| GPN 360 KS 1406  | 3601406RB61    | Hirschmann      | Sealstar             | male         | 3               |
| GPN 360 KS 1406  | 3601406RB61    | TE Connectivity | MCON 1.2             | male         | 3               |
| GPN 360 KS 1406  | 3601406RB61    | Kostal          | MLK 1.2              | male         | 3               |
| GPN 360 KS 1615  | 3601615RB61    | Molex           | Molex MX 150         | male         | 6               |
| GPN 360 KS 1710  | 3601710RB61    | Diverse         | tbd                  | male         | tbd             |
| GPN 360 KS 1711  | 3601711RB61    | Molex           | MX 150               | male         | 3               |
| GPN 360 KS 1909  | 3601909RB61    | TE Connectivity | AMP                  | male         | 3               |
| GPN 360 KS 1912  | 3601912RB61    | Western Digital | tbd                  | male         | 6               |
| GPN 360 KS 2008  | 3602008RB61    | Hirschmann      | Sealstar             | male         | 4               |
| GPN 360 KS 2008  | 3602008RB61    | TE Connectivity | MCON 1.2             | male         | 4               |
| GPN 360 KS 2008  | 3602008RB61    | Kostal          | MLK 1.2              | male         | 4               |
| GPN 360 KS 2016  | 3602016RB61    | Molex           | MX 150               | male         | 8               |
| GPN 360 KS 2016  | 3602016RB61    | Molex           | MX 150               | male         | 8               |
| GPN 360 KS 2114  | 3602114RB61    | TE Connectivity | MCON 2.8             | male         | 6               |
| GPN 360 KS 2121  | 3602121RB61    | TE Connectivity | AMPSEAL              | male         | 8               |
| GPN 360 KS 2408  | 3602408RB61    | TE Connectivity | MCON 1.2             | male         | 5               |
| GPN 360 KS 2408  | 3602408RB61    | Hirschmann      | Sealstar             | male         | 5               |
| GPN 360 KS 2410  | 3602410RB61    | Hirschmann      | Sealstar             | male         | 12              |
| GPN 360 KS 2416  | 3602416RB61    | Molex           | MX 150               | male         | 10              |
| GPN 360 KS 2421  | 3602421RB61    | Kostal          | SLK, MLK             | male         | 4               |
| GPN 360 KS 2711  | 3602711RB61    | Molex           | MX 150               | male         | 6               |
| GPN 360 KS 2716  | 3602716RB61    | Molex           | MX 150               | male         | 12              |
| GPN 360 KS 2716  | 3602716RB61    | Molex           | MX 150               | male         | 12              |
| GPN 360 KS 2808  | 3602808RB61    | Kostal          | MLK 1.2              | male         | 6               |
| GPN 360 KS 2813  | 3602813RB61    | TE Connectivity | MCON 1.2             | male         | 10              |
| GPN 360 KS 2824  | 36028240000    | Hirschmann      | HPS                  | male         | 2               |
| GPN 360 KS 2921  | 3602921RB61    | TE Connectivity | AMPSEAL              | male         | 14              |
| GPN 360 KS 2922  | 3602922RB61    | TE Connectivity | MCON 1.2             | male         | 2               |
| GPN 360 KS 2922  | 3602922RB61    | TE Connectivity | MCON 1.2             | male         | 2               |
| GPN 360 KS 3019  | 3603019RB61    | TE Connectivity | AMP                  | male         | 12              |
| GPN 360 KS 3021  | 3603021RB61    | Molex           | CMC / CMX Connectors | male         | 32              |
| GPN 360 KS 3112  | 3603112RB61    | Kostal          | MLK 1.2              | male         | 12              |
| GPN 360 KS 3114  | 3603114RB61    | Sumitomo        | A-157352             | male         | 22              |
| GPN 360 KS 3219  | 3603219RB61    | TE Connectivity | AMPSEAL 16           | male         | 12              |
| GPN 360 KS 3224  | 3603224RB61    | TE Connectivity | AMP 2.8,MCON 1.2     | male         | tbd             |
| GPN 360 KS 3608  | 3603608RB61    | TE Connectivity | MCON 1.2             | male         | 8               |
| GPN 360 KS 3608  | 3603608RB61    | Hirschmann      | Sealstar             | male         | 8               |
| GPN 360 KS 3715  | 3603715RB61    | Lear            | MAK12                | male         | 2               |
| GPN 360 KS 3715  | 36038290000    | Yazaki          | WP HYB System        | male         | 24              |
| GPN 360 KS 3912  | 3603912RB61    | Hirschmann      | Sealstar             | male         | 16              |
| GPN 360 KS 4117  | 3604117RB61    | Kostal          | tbd                  | male         | 14              |
| GPN 360 KS 4121  | 3604121RB61    | TE Connectivity | AMPSEAL              | male         | 23              |
| GPN 360 KS 4216  | 3604216RB61    | Molex           | MX 150               | male         | 20              |
| GPN 360 KS 4216  | 3604216RB61    | Molex           | MX 150               | male         | 20              |
| GPN 360 KS 4217  | 3604217RB61    | Diverse         | tbd                  | male         | 14              |
| GPN 360 KS 4624* | 3604624RB61    | Aptiv           | CTCS SP SERIES       | male         | 21              |
| GPN 360 KS 4624* | 3604624RB61    | TE Connectivity | Leavysal 2.8         | male         | 21, 29          |
| GPN 360 KS 4817  | 3604817RB61    | TE Connectivity | AMP 2.8              | male         | 20              |
| GPN 360 KS 5024  | 3605024RB61    | TE Connectivity | HVIL                 | male         | tbd             |
| GPN 360 KS 5428  | 3605428RB61    | TE Connectivity | Leavysal 2.8         | male         | 26              |
| GPN 360 KS 5721  | 3605721RB61    | TE Connectivity | AMPSEAL              | male         | 35              |



# GPN 360 Type A

Your added values:



**Better fit.**

Protection for SLK compact connector sockets.



**Saves time.**

With practical tab for fast removal.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Better.**

Circumferential ribs for perfect design fit.



**Seals better.**

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.

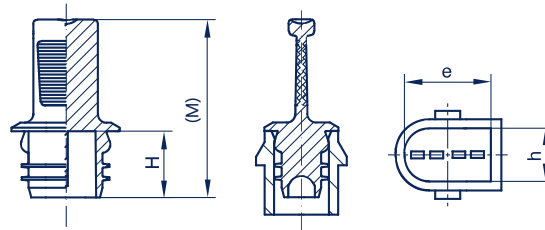


## Application



The contact protection GPN 360 Type B protects compact connector sockets in the low-voltage range, e.g. MLK, SLK and MAK, and is also suitable for oval openings. The handy grip tab ensures quick removal and the circumferential ribs enable an optimum clamping fit. Within certain limits, the contact protection prevents the ingress of liquids.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| PCR-PE<br>blue | PCR-PE / PE-LD<br>yellow | PE-LLD<br>yellow |
|----------------|--------------------------|------------------|
| 100% PCR       | Recycling blend          | Virgin material  |
| 3601812RB61    | 36018120073              | 36018120000      |
| 3602312RB61    | 36023120073              | 36023120000      |
| 3602812RB61    | 36028120073              | 36028120000      |
| 3603816RB61    | 36038160073              | 36038160000      |

| Article         | e     | h     | H   | M    | 100% PCR    | Recycling blend | Virgin material |
|-----------------|-------|-------|-----|------|-------------|-----------------|-----------------|
| GPN 360 KS 1812 | 17,48 | 11,48 | 7,7 | 20,7 | 3601812RB61 | 36018120073     | 36018120000     |
| GPN 360 KS 2312 | 22,48 | 11,48 | 7,7 | 20,7 | 3602312RB61 | 36023120073     | 36023120000     |
| GPN 360 KS 2812 | 27,48 | 11,48 | 7,7 | 20,7 | 3602812RB61 | 36028120073     | 36028120000     |
| GPN 360 KS 3816 | 37,3  | 15,2  | 7,7 | 20,7 | 3603816RB61 | 36038160073     | 36038160000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article                      | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|------------------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 360 KS 1812 PCR-PE, blue | 3601812RB61    | Kostal       | SLK 2.8          | male         | 2               |
| GPN 360 KS 2312 PCR-PE, blue | 3602312RB61    | Kostal       | SLK 2.8          | male         | 3               |
| GPN 360 KS 2812 PCR-PE, blue | 3602812RB61    | Kostal       | SLK 2.8          | male         | 4               |
| GPN 360 KS 3816 PCR-PE, blue | 3603816RB61    | Kostal       | SLK 2.8, SLK 4.8 | male         | 4               |

## Your added values:



### Better fit.

Protection for SLK compact connector sockets.



### Saves time.

With practical tab for fast removal.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Better.

Circumferential ribs for perfect design fit.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.

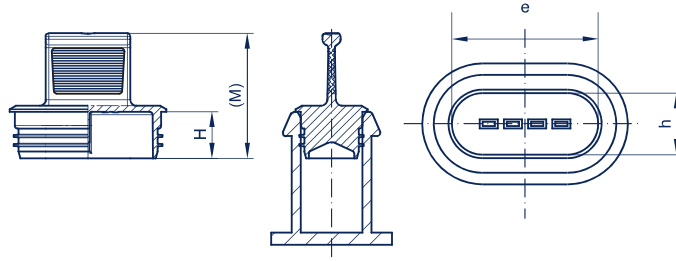




## Application

The GPN 361 FEP contact protection is used to protect FEP flat connector housings in the low-voltage range. The handy grip tab ensures quick removal and the circumferential ribs enable an optimum clamping fit. The FEP contact protection offers protection against splashing water from all directions (IPX4) depending on the specific connector design and quality – individual sizes are excluded.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE blue**



**PCR-PE / PE-LD yellow**



**PE-LD yellow**

| Article          | e    | h    | H   | M    | 100% PCR    | Recycling blend | Virgin material |
|------------------|------|------|-----|------|-------------|-----------------|-----------------|
| GPN 361 KS 0112  | 13,7 | 11,8 | 7,7 | 20,7 | 3610112RB61 | 36101120073     | 36101120000     |
| GPN 361 KS 0211  | 16,2 | 10,2 | 7,7 | 20,7 | 3610211RB61 | 36102110073     | 36102110000     |
| GPN 361 KS 0212  | 19,7 | 11,8 | 7,7 | 20,7 | 3610212RB61 | 36102120073     | 36102120000     |
| GPN 361 KS 0311  | 20,3 | 10,3 | 7,7 | 20,7 | 3610311RB61 | 36103110073     | 36103110000     |
| GPN 361 KS 0411  | 24,2 | 10,2 | 7,7 | 20,7 | 3610411RB61 | 36104110073     | 36104110000     |
| GPN 361 KS 0412  | 31,7 | 11,8 | 7,7 | 20,7 | 3610412RB61 | 36104120073     | 36104120000     |
| GPN 361 KS 0421  | 16,2 | 14,2 | 7,7 | 20,7 | 3610421RB61 | 36104210073     | 36104210000     |
| GPN 361 KS 0511* | 28,3 | 10,3 | 7,7 | 20,7 | 3610511RB61 | 36105110073     | 36105110000     |
| GPN 361 KS 0512  | 37,7 | 11,8 | 7,7 | 20,7 | 3610512RB61 | 36105120073     | 36105120000     |
| GPN 361 KS 0621  | 20,2 | 14,2 | 7,7 | 20,7 | 3610621RB61 | 36106210073     | 36106210000     |
| GPN 361 KS 0821  | 24,2 | 14,2 | 7,7 | 20,7 | 3610821RB61 | 36108210073     | 36108210000     |
| GPN 361 KS 1021  | 28,2 | 14,2 | 7,7 | 20,7 | 3611021RB61 | 36110210073     | 36110210000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

\*Article GPN 361 KS 0511 is made of PE-LLD.

## Application Overview

| Article                      | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|------------------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 361 KS 0112 PCR-PE, blue | 3610112RB61    | FEP          | FEP 2.8          | male         | 1               |
| GPN 361 KS 0211 PCR-PE, blue | 3610211RB61    | FEP          | FEP 1.5          | male         | 2               |
| GPN 361 KS 0212 PCR-PE, blue | 3610212RB61    | FEP          | FEP 2.8          | male         | 2               |
| GPN 361 KS 0311 PCR-PE, blue | 3610311RB61    | FEP          | FEP 1.5          | male         | 3               |
| GPN 361 KS 0411 PCR-PE, blue | 3610411RB61    | FEP          | FEP 1.5          | male         | 4               |
| GPN 361 KS 0412 PCR-PE, blue | 3610412RB61    | FEP          | FEP 2.8          | male         | 4               |
| GPN 361 KS 0421 PCR-PE, blue | 3610421RB61    | FEP          | FEP 1.5          | male         | 4               |
| GPN 361 KS 0511*             | 3610511RB61    | FEP          | FEP 1.5          | male         | 5               |
| GPN 361 KS 0512 PCR-PE, blue | 3610512RB61    | FEP          | FEP 2.8          | male         | 5               |
| GPN 361 KS 0621 PCR-PE, blue | 3610621RB61    | FEP          | FEP 1.5          | male         | 6               |
| GPN 361 KS 0821 PCR-PE, blue | 3610821RB61    | FEP          | FEP 1.5          | male         | 8               |
| GPN 361 KS 1021 PCR-PE, blue | 3611021RB61    | FEP          | FEP 1.5          | male         | 10              |

## Your added values:



### Better fit.

Protection for FEP flat connector housings.



### Saves time.

With practical tab for fast removal.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Better.

Circumferential ribs for perfect design fit.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.

Link to GPN 361

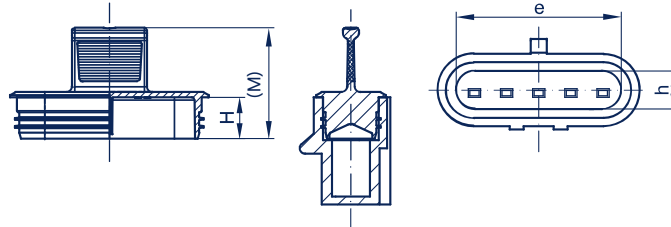




### Application

The GPN 362 Superseal contact protection is used to protect Superseal flat connector housings in the low-voltage range. The handy grip tab ensures quick removal and the circumferential ribs enable an optimum clamping fit. The Superseal contact protection offers protection against splashing water from all directions (IPX4) depending on the specific connector design and quality – individual sizes are excluded.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article         | e    | h    | H   | M    | PCR-PE blue<br>100% PCR | PCR-PE / PE-LD yellow<br>Recycling blend | PE-LD yellow<br>Virgin material |
|-----------------|------|------|-----|------|-------------------------|------------------------------------------|---------------------------------|
| GPN 362 KS 0111 | 10,7 | 10,7 | 7,7 | 20,7 | 3620111RB61             | 36201110073                              | 36201110000                     |
| GPN 362 KS 0211 | 16,8 | 10,7 | 7,7 | 20,7 | 3620211RB61             | 36202110073                              | 36202110000                     |
| GPN 362 KS 0311 | 22,8 | 10,7 | 7,7 | 20,7 | 3620311RB61             | 36203110073                              | 36203110000                     |
| GPN 362 KS 0511 | 34,9 | 10,7 | 7,7 | 20,7 | 3620511RB61             | 36205110073                              | 36205110000                     |
| GPN 362 KS 0611 | 40,7 | 10,4 | 6,7 | 19,7 | 3620611RB61             | 36206110073                              | 36206110000                     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article                      | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|------------------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 362 KS 0111 PCR-PE, blue | 3620111RB61    | TE Connectivity | Superseal 1.5    | male         | 1               |
| GPN 362 KS 0211 PCR-PE, blue | 3620211RB61    | TE Connectivity | Superseal 1.5    | male         | 2               |
| GPN 362 KS 0311 PCR-PE, blue | 3620311RB61    | TE Connectivity | Superseal 1.5    | male         | 3               |
| GPN 362 KS 0511 PCR-PE, blue | 3620511RB61    | TE Connectivity | Superseal 1.5    | male         | 5               |
| GPN 362 KS 0611 PCR-PE, blue | 3620611RB61    | TE Connectivity | Superseal 1.5    | male         | 6               |

### Your added values:



#### Better fit.

Protection for Superseal flat connector housings.



#### Saves time.

With practical tab for fast removal.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Better.

Circumferential ribs for perfect design fit.



#### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.

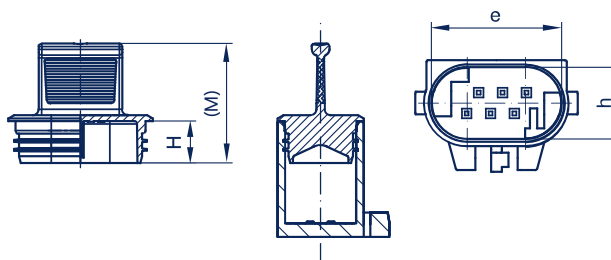




### Application

The GPN 363 MGS contact protection is used to protect MGS flat connector housings in the low-voltage range. The handy grip tab ensures quick removal and the circumferential ribs enable an optimum clamping fit. The MGS contact protection offers protection against splashing water from all directions (IPX4) depending on the specific connector design and quality.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| PCR-PE<br>blue | PCR-PE / PE-LD<br>yellow | PE-LD<br>yellow |
|----------------|--------------------------|-----------------|
| 100% PCR       | Recycling blend          | Virgin material |
| 3630321RB61    | 36303210073              | 36302110000     |
| 3630421RB61    | 36304210073              | 36304210000     |
| 3630621RB61    | 36306210073              | 36306210000     |
| 3630821RB61    | 36308210073              | 36308210000     |

| Article          | e    | h     | H | M  |             |             |             |
|------------------|------|-------|---|----|-------------|-------------|-------------|
| GPN 363 KS 0211* | 12,3 | 8,3   | 7 | 20 |             |             |             |
| GPN 363 KS 0321  | 14,4 | 10,75 | 7 | 20 | 3630321RB61 | 36303210073 | 36303210000 |
| GPN 363 KS 0421  | 17,5 | 10,75 | 7 | 20 | 3630421RB61 | 36304210073 | 36304210000 |
| GPN 363 KS 0621  | 21,8 | 12    | 7 | 20 | 3630621RB61 | 36306210073 | 36306210000 |
| GPN 363 KS 0821  | 23,4 | 15,7  | 7 | 20 | 3630821RB61 | 36308210073 | 36308210000 |

Dimensions in mm.

\*Item GPN 363 KS 0211 is made of PE-LLD.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article                        | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|--------------------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 363 KS 0211 PE-LLD, yellow | 36302110000    | TE Connectivity | MQS 0.63         | male         | 2               |
| GPN 363 KS 0321 PCR-PE, blue   | 3630321RB61    | TE Connectivity | MQS 0.63         | male         | 3               |
| GPN 363 KS 0421 PCR-PE, blue   | 3630421RB61    | TE Connectivity | MQS 0.63         | male         | 4               |
| GPN 363 KS 0621 PCR-PE, blue   | 3630621RB61    | TE Connectivity | MQS 0.63         | male         | 6               |
| GPN 363 KS 0821 PCR-PE, blue   | 3630821RB61    | TE Connectivity | MQS 0.63         | male         | 8               |

### Your added values:



**Better fit.**

Protection for MGS flat connector housings.



**Saves time.**

With practical tab for fast removal.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Better.**

Circumferential ribs for perfect design fit.



**Seals better.**

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.

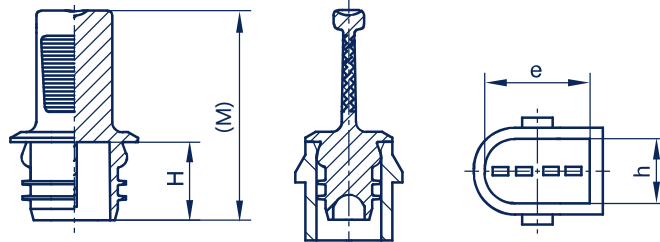




### Application

The GPN 364 compact contact protection is used to protect compact flat connector housings in the low-voltage range. The handy grip tab ensures quick removal and the circumferential ribs enable an optimum clamping fit. The compact contact protection offers protection against splashing water from all directions (IPX4) depending on the specific connector design and quality.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article         | e    | h    | H | M  | PCR-PE blue<br>100% PCR | PCR-PE / PE-LD yellow<br>Recycling blend | PE-LD yellow<br>Virgin material |
|-----------------|------|------|---|----|-------------------------|------------------------------------------|---------------------------------|
| GPN 364 KS 0212 | 15,3 | 10,3 | 7 | 23 | 3640212RB61             | 36402120073                              | 36402120000                     |
| GPN 364 KS 0312 | 20,3 | 10,3 | 7 | 23 | 3640312RB61             | 36403120073                              | 36403120000                     |
| GPN 364 KS 0412 | 25,3 | 12,2 | 7 | 23 | 3640412RB61             | 36404120073                              | 36404120000                     |
| GPN 364 KS 0512 | 30,3 | 12,1 | 7 | 23 | 3640512RB61             | 36405120073                              | 36405120000                     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article                      | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|------------------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 364 KS 0212 PCR-PE, blue | 3640212RB61    | Bosch        | AMP 2.8          | male         | 2               |
| GPN 364 KS 0312 PCR-PE, blue | 3640312RB61    | Bosch        | AMP 2.8          | male         | 3               |
| GPN 364 KS 0412 PCR-PE, blue | 3640412RB61    | Bosch        | AMP 2.8          | male         | 4               |
| GPN 364 KS 0512 PCR-PE, blue | 3640512RB61    | Bosch        | AMP 2.8          | male         | 5               |

### Your added values:



#### More resource-saving.

This standard series is available from PCR, saves CO2e emissions and conserves resources.



#### Better fit.

Protection for compact flat connector housings.



#### Saves time.

Newly designed removal tab for fast handling. Protected tab design.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Better.

Circumferential ribs for perfect design fit.



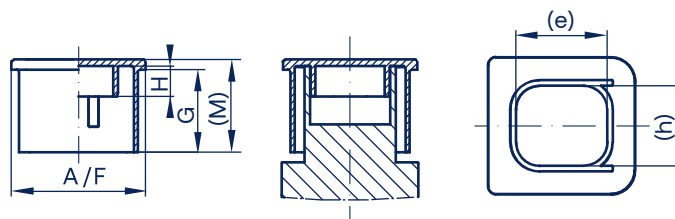
#### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



## Application

The GPN 365 HDSCS protection is suitable for the protection of the heavy-duty sealed connector series and protects pin housing and contact pins with numbers of poles between 2 and 18. Internal bars clamp in the inner contours and the connector is protected on the outside. The material is heat-resistant up to 150° C for short periods.



**TPE  
yellow**

| Article         | e    | A    | F    | h    | G    | H | M    | Virgin material |
|-----------------|------|------|------|------|------|---|------|-----------------|
| GPN 365 SC 1810 | 17,8 | 33,7 | 19,6 | 9,6  | 16,3 | 6 | 18,3 | 36518100000     |
| GPN 365 SC 1816 | 17,8 | 33,7 | 26,5 | 15,6 | 16,3 | 6 | 18,3 | 36518160000     |
| GPN 365 SC 2316 | 22,8 | 38,7 | 26,5 | 15,6 | 16,3 | 6 | 18,3 | 36523160000     |
| GPN 365 SC 3116 | 30,8 | 46,7 | 27,5 | 15,6 | 16,3 | 6 | 18,3 | 36531160000     |
| GPN 365 SC 4316 | 42,8 | 58,9 | 26,7 | 15,6 | 16,3 | 6 | 18,3 | 36543160000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article         | Article number | Manufacturer    | Connector family      | Housing Type | Number of poles |
|-----------------|----------------|-----------------|-----------------------|--------------|-----------------|
| GPN 365 SC 1810 | 36518100000    | TE Connectivity | HDSCS                 | male         | 2, 3            |
| GPN 365 SC 1810 | 36518100000    | TE Connectivity | HDSCS                 | male         | 4               |
| GPN 365 SC 1816 | 36518160000    | TE Connectivity | HDSCS                 | male         | 4, 6            |
| GPN 365 SC 2316 | 36523160000    | TE Connectivity | HDSCS C 1.5, 2.8, 6.3 | male         | 2, 6, 7, 8      |
| GPN 365 SC 2316 | 36523160000    | TE Connectivity | HDSCS                 | male         | 8               |
| GPN 365 SC 3116 | 36531160000    | TE Connectivity | HDSCS                 | male         | 8, 10, 12       |
| GPN 365 SC 3116 | 36531160000    | TE Connectivity | HDSCS                 | male         | 12              |
| GPN 365 SC 4316 | 36543160000    | TE Connectivity | HDSCS                 | male         | 15, 16, 18      |
| GPN 365 SC 4316 | 36543160000    | TE Connectivity | HDSCS                 | male         | 18              |

## Your added values:



### Better fit.

Suitable for HDSCS (Heavy Duty Sealed Connector Series) pin housings.



### Higher temperature resistance.

Heat resistant to 150 °C.



### Better.

Protection for pin housings and contact pins. Ideal for painting processes. Free from plasticizers with SVHC\* relevance.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.

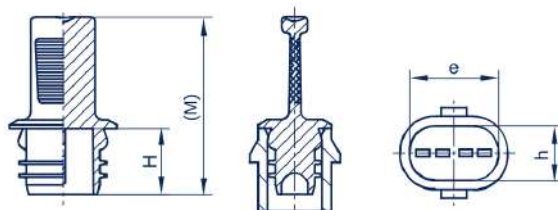


**NEW**

## Application

The GPN 366 contact protector is used to protect compact plug connections in the low-voltage range and is also suitable for oval openings. The handy grip tab ensures quick removal and the circumferential ribs enable an optimum clamping fit. Within certain limits, the contact protection prevents the ingress of liquids.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

| Article         | e    | h    | H   | M    | 100% PCR    |
|-----------------|------|------|-----|------|-------------|
| GPN 366 KS 1413 | 14   | 12,9 | 7,7 | 20,7 | 36614130000 |
| GPN 366 KS 1813 | 18   | 12,9 | 7,7 | 20,7 | 36618130000 |
| GPN 366 KS 2213 | 22   | 12,9 | 7,7 | 20,7 | 36622130000 |
| GPN 366 KS 2613 | 26,5 | 12,9 | 7,7 | 20,7 | 36626130000 |
| GPN 366 KS 3013 | 30   | 12,9 | 7,7 | 20,7 | 36630130000 |
| GPN 366 KS 3413 | 34   | 12,9 | 7,7 | 20,7 | 36634130000 |
| GPN 366 KS 3813 | 38   | 12,9 | 7,7 | 20,7 | 36638130000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article         | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|-----------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 366 KS 1413 | 36614130000    | TE Connectivity | MCON 1.2         | male         | 4               |
| GPN 366 KS 1813 | 36618130000    | TE Connectivity | MCON 1.2         | male         | 6               |
| GPN 366 KS 1813 | 36618130000    | Hirschmann      | Sealstar         | male         | 6               |
| GPN 366 KS 1813 | 36618130000    | Kostal          | MLK 1.2          | male         | 6               |
| GPN 366 KS 2213 | 36622130000    | TE Connectivity | MCON 1.2         | male         | 8               |
| GPN 366 KS 2213 | 36622130000    | Hirschmann      | Sealstar         | male         | 8               |
| GPN 366 KS 2613 | 36626130000    | TE Connectivity | MCON 1.2         | male         | 10              |
| GPN 366 KS 2613 | 36626130000    | Hirschmann      | Sealstar         | male         | 10              |
| GPN 366 KS 3013 | 36630130000    | TE Connectivity | MCON 1.2         | male         | 12              |
| GPN 366 KS 3413 | 36634130000    | TE Connectivity | MCON 1.2         | male         | 14              |
| GPN 366 KS 3413 | 36634130000    | Hirschmann      | Sealstar         | male         | 14              |
| GPN 366 KS 3813 | 36638130000    | Hirschmann      | Sealstar         | male         | 16              |

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Saves time.

With practical tab for fast removal.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Better.

Circumferential ribs for perfect design fit.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



**NEW**

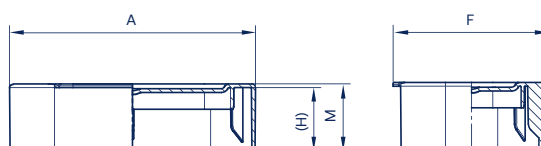


### Application

The LEAVYSEAL GPN 367 contact guard is designed to protect TE LEAVYSEAL connector housings in low-voltage applications featuring lever-operated connector housings. Its side grip tabs allow for quick and easy removal. Thanks to the internal clamping contour, the contact guard seals against splash water from all directions in accordance with protection class IPX4. Due to its flat design, the contact guard can also be used in confined spaces. Furthermore, the contact guard can be mounted on either side.

- Quick removal thanks to side grip tabs
- Low profile
- Specific protection solution for LEAVYSEAL connectors from TE Connectivity

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PP**  
turquoise blue  
**100% PCR**

| Article           | A    | F  | I     | J     | M  |             |
|-------------------|------|----|-------|-------|----|-------------|
| GPN 367 KS 0021 B | 48   | 41 | 35,4  | 23,7  | 18 | 36700210000 |
| GPN 367 KS 0022 B | 59   | 38 | 45,2  | 23,7  | 18 | 36700220000 |
| GPN 367 KS 0023 B | 65,8 | 42 | 54,2  | 28,25 | 18 | 36700230000 |
| GPN 367 KS 0024 B | 87   | 41 | 73,7  | 21,4  | 18 | 36700240000 |
| GPN 367 KS 0025 B | 90   | 44 | 78,8  | 28,3  | 18 | 36700250000 |
| GPN 367 KS 0026 B | 116  | 42 | 104,6 | 25,7  | 18 | 36700260000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article           | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|-------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 367 KS 0021 B | 36700210000    | TE Connectivity | Leavyseal 2.8    | male         | 15, 18, 22      |
| GPN 367 KS 0022 B | 36700220000    | TE Connectivity | Leavyseal 2.8    | male         | 21, 29          |
| GPN 367 KS 0023 B | 36700230000    | TE Connectivity | Leavyseal 2.8    | male         | 26              |
| GPN 367 KS 0024 B | 36700240000    | TE Connectivity | Leavyseal 2.8    | male         | 46              |
| GPN 367 KS 0025 B | 36700250000    | TE Connectivity | Leavyseal 2.8    | male         | 62              |
| GPN 367 KS 0026 B | 36700260000    | TE Connectivity | Leavyseal 2.8    | male         | 92              |

### Our product advantages at a glance:



#### More resource-saving.

The plastic used consists of 100 % recycled material.



#### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.

Link to GPN 367

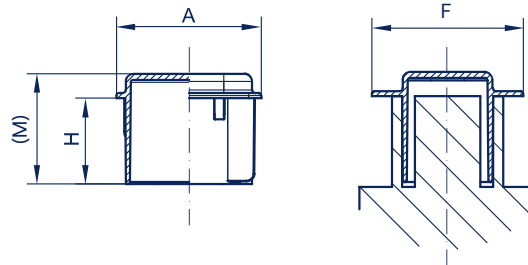


**NEW**


## Application

The HDSCS GPN 375 protective cover is designed to protect TE's Heavy Duty Sealed Connector Series as well as compatible CTCS connectors from APTIV. It protects pin housings and contact pins with 2 to 18 poles. Internal tabs engage with the inner contour, while the connector is reliably protected on the outside. The material is heat-resistant up to 150 °C for short periods.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PP  
turquoise blue  
100% PCR**

| Article         | A    | F  | H  | M    |             |
|-----------------|------|----|----|------|-------------|
| GPN 375 SC 1810 | 23,6 | 23 | 17 | 21,8 | 37518100000 |
| GPN 375 SC 1816 | 27,8 | 30 | 17 | 21,8 | 37518160000 |
| GPN 375 SC 2316 | 28,7 | 30 | 17 | 21,8 | 37523160000 |
| GPN 375 SC 3116 | 36,8 | 30 | 17 | 21,8 | 37531160000 |
| GPN 375 SC 4316 | 48,6 | 30 | 17 | 21,8 | 37543160000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article         | Article number | Manufacturer    | Connector family | Housing Type | Number of poles   |
|-----------------|----------------|-----------------|------------------|--------------|-------------------|
| GPN 375 SC 1810 | 37518100000    | Aptiv           | CTCS             | female       | 2, 3              |
| GPN 375 SC 1810 | 37518100000    | TE Connectivity | HDSCS            | female       | 2, 3              |
| GPN 375 SC 1816 | 37518160000    | Aptiv           | CTCS             | female       | 4                 |
| GPN 375 SC 1816 | 37518160000    | TE Connectivity | HDSCS            | female       | 4, 6              |
| GPN 375 SC 2316 | 37523160000    | Aptiv           | CTCS             | female       | 2, 7, 8           |
| GPN 375 SC 2316 | 37523160000    | TE Connectivity | HDSCS            | female       | 2, 6, 7, 8        |
| GPN 375 SC 3116 | 37531160000    | Aptiv           | CTCS             | female       | 8, 10, 12         |
| GPN 375 SC 3116 | 37531160000    | TE Connectivity | HDSCS            | female       | 8, 10, 12         |
| GPN 375 SC 4316 | 37543160000    | Aptiv           | CTCS             | female       | 15, 16, 18        |
| GPN 375 SC 4316 | 37543160000    | TE Connectivity | HDSCS            | female       | 4, 12, 15, 16, 18 |

## Your added values:



**Better fit.**

Suitable for HDSCS (Heavy Duty Sealed Connector Series) pin housings.



**Better.**

Protection for pin housings and contact pins. Ideal for painting processes. Free from plasticizers with SVHC\* relevance.



**More resource-saving.**

Significantly lower material usage compared to other conical closures made of PE-LD or PE-LLD.



**Seals better.**

Protection against foreign objects > 1 mm



Link to GPN 375

# HV Protection GPN 380 Type A

**NEW**

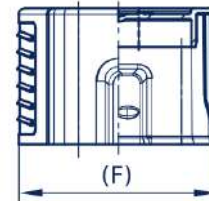
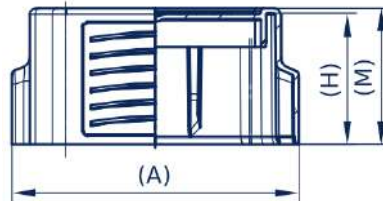


[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)

### Application

The HV protection GPN 380 Type A is suitable for use in parts and components for hybrid or electric vehicles. It protects Rosenberger connectors (HVR 200), e.g. in the area from the battery to the inverter and electric motor, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cap has non-slip gripping surfaces that allow fast removal and impresses with a functional registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PP**  
**turquoise blue**  
**100% PCR**

| Article          | A    | F    | H  | M  |             |
|------------------|------|------|----|----|-------------|
| GPN 380 HV 200-2 | 59,4 | 41,1 | 27 | 28 | 38005010000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

The article consists of 98 % PCR-PP and 2 % colour based on a PIR carrier. The plastic used consists of 100 % PCR.

For these articles, colour deviations and black dots cannot be completely avoided in production and are permissible. We recommend carrying out functional tests before series production.

### Application Overview

| Article          | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 380 HV 200-2 | 38005010000    | Rosenberger  | HVR H2L219       | male         | 2               |
| GPN 380 HV 200-2 | 38005010000    | Rosenberger  | HVR H2L105       | male         | 2               |
| GPN 380 HV 200-2 | 38005010000    | Rosenberger  | HVR H2L112       | male         | 2               |

### Your added values:



**More resource-saving.**

The plastic used consists of 100 % recycled material.



**Better fit.**

Protection for High Voltage Connector Systems using our registered design.



**Saves time.**

Quick disassembly thanks to non-slip grip surfaces.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Seals better.**

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



# HV Protection GPN 380 Type B

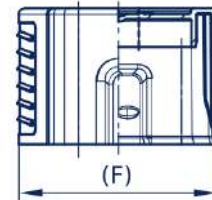
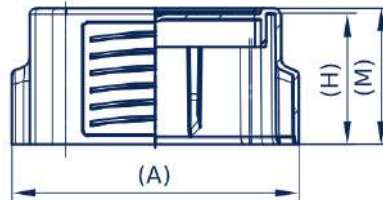
**NEW**



## Application

The HV protection GPN 380 Type B is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area from the battery to the inverter and electric motor, from corrosion and mechanical damage. The cap has non-slip gripping surfaces that allow fast removal, can be fitted on both sides and impresses with a functional registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PP**  
**turquoise blue**  
**100% PCR**

| Article            | A    | F    | H     | M     | 100% PCR    |
|--------------------|------|------|-------|-------|-------------|
| GPN 380 HV 2432779 | 42   | 34,2 | 26,65 | 27,65 | 38006220000 |
| GPN 380 HV 300-2   | 72,7 | 57,6 | 33,7  | 34,7  | 38005070000 |
| GPN 380 HV 270-2   | 55,2 | 55   | 36    | 37    | 38005080000 |
| GPN 380 HV 800-2   | 79,4 | 45,6 | 33,3  | 34,3  | 38006010000 |
| GPN 380 HV 35-2    | 78,9 | 74,2 | 37,4  | 38,4  | 38006100000 |
| GPN 380 HV 630 5+2 | 51,6 | 37,6 | 33,3  | 34,3  | 38006110000 |
| GPN 380 HV Class 5 | 64,2 | 52,4 | 32,8  | 33,8  | 38008010000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article            | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|--------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 380 HV 2432779 | 38006220000    | TE Connectivity | HDR ASSY         | male         | 2               |
| GPN 380 HV 300-2   | 38005070000    | Rosenberger     | HVR              | male         | 2               |
| GPN 380 HV 270-2   | 38005080000    | Rosenberger     | HVR              | male         | 2               |
| GPN 380 HV 800-2   | 38006010000    | TE Connectivity | HVP              | male         | 2               |
| GPN 380 HV 35-2    | 38006100000    | TE Connectivity | HC-STAK          | male         | 2               |
| GPN 380 HV 630 5+2 | 38006110000    | TE Connectivity | tbd              | male         | 5               |
| GPN 380 HV 630 5+2 | 38006110000    | TE Connectivity | AMP              | male         | 5               |

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

Protection for High Voltage Connector Systems using our registered design.



### Saves time.

Quick disassembly thanks to non-slip grip surfaces. Mounting on both sides possible.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



# HV Protection GPN 380 Type C

**NEW**

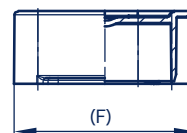
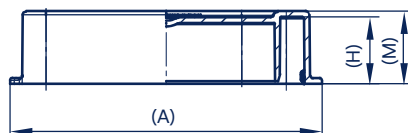


[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)

## Application

The HV protection GPN 380 Type C is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area from the battery to the inverter and electric motor, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cap has non-slip gripping surfaces that allow fast removal and impresses with a functional registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PP**  
**turquoise blue**

**100% PCR**

| Article          | A    | F  | H    | M    |             |
|------------------|------|----|------|------|-------------|
| GPN 380 HV 630-5 | 65,3 | 38 | 13,5 | 15,2 | 38006140000 |
| GPN 380 HV 1100  | 67,3 | 47 | 15,5 | 16,5 | 38006130000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article          | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 380 HV 630-5 | 38006140000    | TE Connectivity | HVA              | male         | 5               |
| GPN 380 HV 630-5 | 38006140000    | Amphenol        | HVC              | male         | 5               |
| GPN 380 HV 1100  | 38006130000    | TE Connectivity | HVA              | male         | 1               |

## Your added values:



**More resource-saving.**

The plastic used consists of 100 % recycled material.



**Better fit.**

Protection for High Voltage Connector Systems using our registered design.



**Saves time.**

Quick disassembly thanks to non-slip grip surfaces. Mounting on both sides possible.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Seals better.**

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.

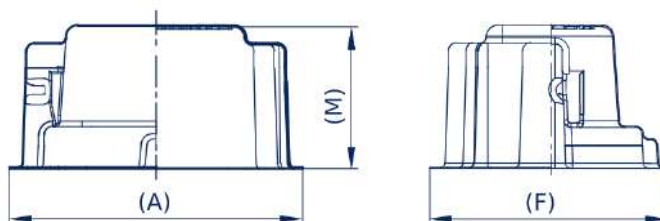


**NEW**

### Application

The GPN 380 Type D HV protection is suitable for use in class 5 parts and components in battery-powered, hybrid and plug-in hybrid vehicles. It protects connectors from TE's AMP+ HV 2100 series against corrosion and mechanical damage. For example, in the area of the input to the battery, from the onboard charger to the battery, from the battery to the converter or from the converter to the electric motor.

- Material savings thanks to thermoforming technology
- Secure fit thanks to latching function
- Specifically developed for TE connectors of the AMP+ HV 2100 series


**PET**  
**yellow**

| Article         | A  | F    | M  | Virgin material |
|-----------------|----|------|----|-----------------|
| GPN 380 HV 2100 | 83 | 67,5 | 40 | 38006150000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article         | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|-----------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 380 HV 2100 | 38006150000    | TE Connectivity | HVP              | male         | 2               |

### Our product advantages at a glance:


**More resource-saving.**

Up to 70 % less material input.


**Better fit.**

For the protection of high-voltage connector systems.


**Seals better.**

Protection against foreign objects > 1 mm



NEW

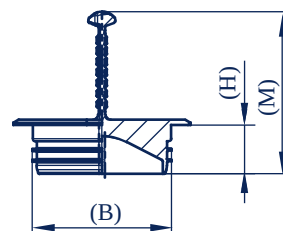
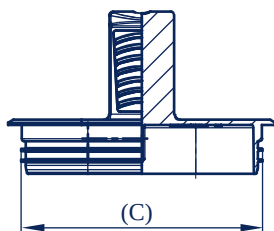


www.blauer-engel.de/uz30a

## Application

The GPN 382 HV protective plugs with tab are suitable for use in parts and components for hybrid or electric vehicles. The handy grip tab ensures quick removal and the circumferential ribs enable an optimum clamp fit. Within certain limits, the HV protection prevents the ingress of liquids. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



PCR-PE  
blue

100% PCR

| Article           | B    | C    | H | M  |             |
|-------------------|------|------|---|----|-------------|
| GPN 382 Class 3   | 25,7 | 45,4 | 9 | 30 | 38207010000 |
| GPN 382 HVA 630 5 | 48,1 | 30,3 | 8 | 24 | 38206010000 |
| GPN 382 HVA 280   | 27,9 | 18,7 | 8 | 24 | 38206020000 |
| GPN 382 HV 60     | 30,2 | 30,2 | 8 | 24 | 38205020000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article           | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|-------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 382 Class 3   | 38207010000    | Kangni          | EHPS2            | male         | 2               |
| GPN 382 HVA 630 5 | 38206010000    | TE Connectivity | HVA              | male         | 5               |
| GPN 382 HVA 280   | 38206020000    | TE Connectivity | HVA              | male         | 2, 3            |
| GPN 382 HV 60     | 38205020000    | Rosenberger     | HVR              | male         | 4               |
| GPN 382 HV 60     | 38205020000    | Rosenberger     | HVR              | female       | 4               |

## Your added values:



**More resource-saving.**

The plastic used consists of 100 % recycled material.



**Better fit.**

Protection for High Voltage Connector Systems using our registered design.



**Saves time.**

With practical tab for fast removal.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Seals better.**

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.

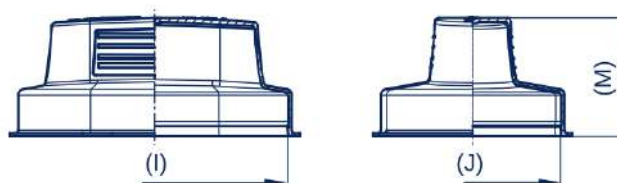


## Application



The GPN 384 HV protection is suitable for use in parts and components for hybrid or electric vehicles. They protect Rosenberger connectors (HVS 240 and HVS 420), e.g. in rechargeable batteries, DC/DC converters, on-board chargers, electrical connectors and high-voltage distribution, against corrosion and mechanical damage and provide protection against splashing water in accordance with protection class IPX4. The cap has non-slip gripping surfaces that enable quick removal, can be fitted on both sides and impresses with a functional registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PP**  
turquoise blue

100% PCR

| Article          | I    | J    | M    |             |
|------------------|------|------|------|-------------|
| GPN 384 HV 240   | 71,5 | 51,3 | 30   | 38405070000 |
| GPN 384 HV 240-2 | 71,2 | 51,4 | 36,3 | 38405060000 |
| GPN 384 HV 420   | 85,8 | 56,8 | 34,4 | 38405030000 |
| GPN 384 HV 420-2 | 85,9 | 56,8 | 38,3 | 38405020000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article          | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 384 HV 240   | 38405070000    | Rosenberger  | HVS              | male         | 2               |
| GPN 384 HV 240-2 | 38405060000    | Rosenberger  | HVS              | male         | 2               |
| GPN 384 HV 420   | 38405030000    | Rosenberger  | HVS              | male         | 2               |
| GPN 384 HV 420-2 | 38405020000    | Rosenberger  | HVS              | male         | 2               |

## Your added values:



**More resource-saving.**

The plastic used consists of 100 % recycled material.



**Better fit.**

Protection for High Voltage Connector Systems using our registered design.



**Saves time.**

Quick disassembly thanks to non-slip grip surfaces. Mounting on both sides possible.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Seals better.**

Protection against foreign objects >1 mm



# HV Protection GPN 385 Type A

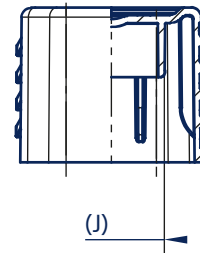
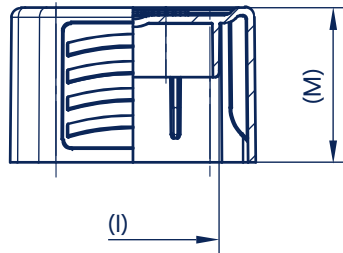
**NEW**



## Application

The HV protection GPN 385 Type A is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area of batteries, DC/DC converters, on-board chargers, power strips and high-voltage distribution, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cover has non-slip gripping surfaces that allow fast removal, can be fitted on both sides and impresses with a functional registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

| Article           | I     | J    | M    | 100% PCR    |
|-------------------|-------|------|------|-------------|
| GPN 385 HV 280 SI | 27,2  | 17,3 | 27   | 38502010000 |
| GPN 385 HV 40-4+2 | 27,8  | 24,2 | 24,5 | 38503020000 |
| GPN 385 HVR 60    | 30    | 30   | 20   | 38505090000 |
| GPN 385 HV 51-2   | 36    | 36   | 30,2 | 38505040000 |
| GPN 385 HV 280-2  | 28    | 18,8 | 25   | 38506050000 |
| GPN 385 HVU 280   | 22,3  | 13,8 | 20   | 38506150000 |
| GPN 385 MCON 2P   | 21,45 | 28,3 | 25,3 | 38506220000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article           | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|-------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 385 HV 280 SI | 38502010000    | Aptiv           | HVA              | male         | 2               |
| GPN 385 HV 40-4+2 | 38503020000    | Hirschmann      | HPS              | male         | 2               |
| GPN 385 HVR 60    | 38505090000    | Rosenberger     | HVR              | male         | 4               |
| GPN 385 HV 51-2   | 38505040000    | Rosenberger     | HVR              | male         | 2               |
| GPN 385 HV 280-2  | 38506050000    | Aptiv           | Shieldpack       | male         | 2               |
| GPN 385 HV 280-2  | 38506050000    | TE Connectivity | HVA              | male         | 2, 3            |
| GPN 385 HVU 280   | 38506150000    | TE Connectivity | AMP 2.8, HVU 280 | male         | 2               |
| GPN 385 MCON 2P   | 38506220000    | TE Connectivity | HDR ASSY         | male         | 2               |

## Your added values:



**More resource-saving.**

The plastic used consists of 100 % recycled material.



**Better fit.**

Protection for High Voltage Connector Systems using our registered design.



**Saves time.**

Quick disassembly thanks to non-slip grip surfaces. Mounting on both sides possible.



**Seals better.**

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



# HV Protection GPN 385 Type B

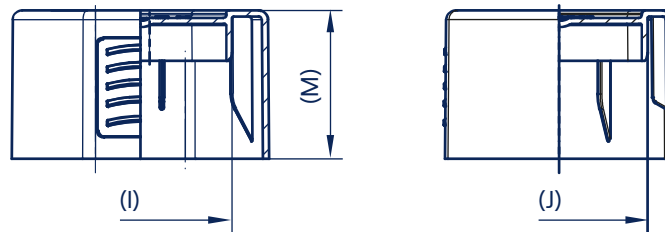
**NEW**



### Application

The GPN 385 Form B high-voltage protection is suitable for use in assemblies and components for hybrid or electric vehicles. It protects connectors – for example, in the vicinity of batteries, DC/DC converters, on-board chargers, electrical connection strips and high-voltage distribution systems – against corrosion and mechanical damage, and offers protection against splashing water in accordance with protection class IP44. The connector cover features non-slip grip surfaces that allow for quick removal, can be fitted on either side and stands out thanks to its functional design, which is a registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PP**  
**turquoise blue**  
**100% PCR**

| Article          | I  | J  | M    |             |
|------------------|----|----|------|-------------|
| GPN 385 HV 400-2 | 30 | 29 | 24,2 | 38506070000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article          | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 385 HV 400-2 | 38506070000    | TE Connectivity | HVA              | male         | 2, 3            |

### Your added values:



#### More resource-saving.

The plastic used consists of 100 % recycled material.



#### Better fit.

Protection for High Voltage Connector Systems using our registered design.



#### Saves time.

Quick disassembly thanks to non-slip grip surfaces.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.

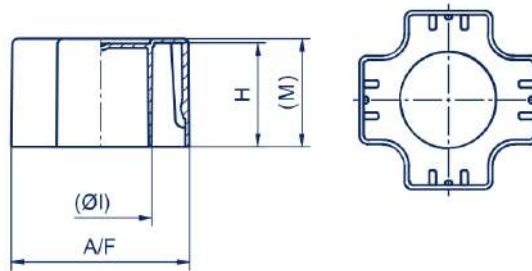


**NEW**

### Application

The HV protection GPN 385 Type C is suitable for use in parts and components for hybrid or electric vehicles. They protect connectors in the area of batteries, DC/DC converters, on-board chargers, power strips or high-voltage distribution, against corrosion, mechanical damage and offer protection against splash water in accordance with protection class IPX4. The cap has non-slip gripping surfaces that enable quick removal, can be fitted on both sides and impresses with its functional design as a registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)

**PCR-PP**

| Article          | A    | F    | I    | H    | M    | 100% PCR    |
|------------------|------|------|------|------|------|-------------|
| GPN 385 HV 50 WL | 42,6 | 42,6 | 24,6 | 24,7 | 25,7 | 38505030000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article          | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 385 HV 50 WL | 38505030000    | Rosenberger  | HVR              | male         | 2               |

### Our product advantages at a glance:


**More resource-saving.**

The plastic used consists of 100 % recycled material.


**Saves time.**

Quick disassembly thanks to non-slip grip surfaces.


**Seals better.**

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



# HV Protection GPN 386

**NEW**

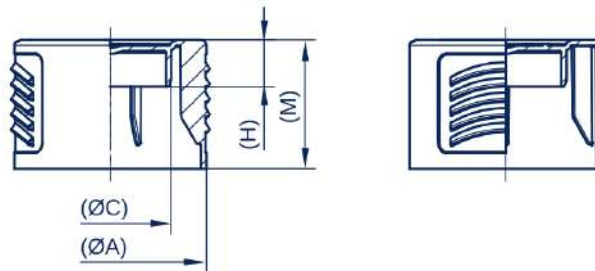


[www.blaue-engel.de/uz30a](http://www.blaue-engel.de/uz30a)

## Application

The GPN 386 HV protection is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area of batteries, DC/DC converters, on-board chargers, power strips and high-voltage distribution, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cover has non-slip gripping surfaces that allow fast removal, can be fitted on both sides and impresses with a functional registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PP**  
turquoise blue  
100% PCR

| Article         | A  | C    | H   | M    |             |
|-----------------|----|------|-----|------|-------------|
| GPN 386 HV 40-2 | 35 | 22,1 | 8,5 | 23,4 | 38603010000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article         | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|-----------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 386 HV 40-2 | 38603010000    | Hirschmann   | HPS In-Line      | male         | 2               |
| GPN 386 HV 40-2 | 38603010000    | Hirschmann   | HPS              | male         | 2               |

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

Protection for High Voltage Connector Systems using our registered design.



### Saves time.

Quick disassembly thanks to non-slip grip surfaces. Mounting on both sides possible.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



# HV Protection GPN 387 Type A

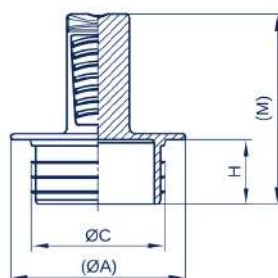
**NEW**



## Application

The HV protection GPN 387 Type A with tab is suitable for use in parts and components for hybrid or electric vehicles. The handy grip tab ensures quick removal and the circumferential ribs enable an optimum clamp fit. Within certain limits, the HV protection prevents the ingress of liquids. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

| Article         | A    | F  | B    | C    | H    | M    | 100% PCR    |
|-----------------|------|----|------|------|------|------|-------------|
| GPN 387 HVIL    | 15,9 |    |      | 13,6 | 7,5  | 35,5 | 38703010000 |
| GPN 387 HV 40-2 | 29,2 |    |      | 22,3 | 10,8 | 31,8 | 38703030000 |
| GPN 387 HVU 280 | 30   | 19 | 16,1 | 27,1 | 8,8  | 21,8 | 38706030000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article         | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|-----------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 387 HVIL    | 38703010000    | TE Connectivity | MCON 1.2         | female       | 2               |
| GPN 387 HV 40-2 | 38703030000    | Hirschmann      | HPS              | male         | 2               |
| GPN 387 HV 40-2 | 38703030000    | Hirschmann      | HPS In-Line      | male         | 2               |
| GPN 387 HVU 280 | 38706030000    | TE Connectivity | AMP 2.8, HVU 280 | male         | 2               |

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

Protection for High Voltage Connector Systems using our registered design.



### Saves time.

Quick disassembly thanks to non-slip grip surfaces.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



# Charging Port Protection GPN 387 Type B

NEW

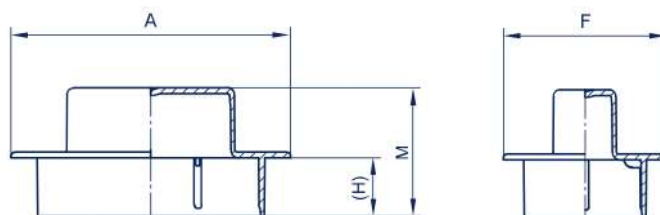


## Application

The GPN 387 Type B charging socket protectors are suitable for protecting standardised charging connections of electric and hybrid vehicles, such as CCS, NACS, ChaoJi and GB/T 20234. They reliably protect the mating face and contacts against dirt and damage. The large grip tab ensures quick removal and ideal handling.

- Quick removal thanks to large grip tab.
- Dust and scratch protection.
- Suitable for all standard charging socket connections.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



PCR-PP

| Article                     | A  | F    | H  | M  | 100% PCR    |
|-----------------------------|----|------|----|----|-------------|
| GPN 387 HV CCS1             | 56 | 56   | 14 | 32 | 38700060000 |
| GPN 387 HV CCS2 AC          | 72 | 56,5 | 15 | 33 | 38700010000 |
| GPN 387 HV CCS2 DC          | 72 | 42   | 15 | 33 | 38700020000 |
| GPN 387 HV NACS AC/DC       | 65 | 58   | 15 | 33 | 38700030000 |
| GPN 387 HV ChaoJi AC/DC     | 75 | 50   | 15 | 33 | 38700040000 |
| GPN 387 HV GB/T 20234 AC/DC | 72 | 56,5 | 15 | 33 | 38700050000 |
| GPN 387 HV CHAdeMO          | 80 | 80   | 14 | 32 | 38700070000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article                     | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|-----------------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 387 HV CCS1             | 38700060000    | Diverse      | CCS 1            | male         | 5               |
| GPN 387 HV CCS2 AC          | 38700010000    | Diverse      | CCS 2 AC         | male         | 7               |
| GPN 387 HV CCS2 DC          | 38700020000    | Diverse      | CCS 2 DC         | male         | 2               |
| GPN 387 HV NACS AC/DC       | 38700030000    | Diverse      | Tesla            | male         | 3               |
| GPN 387 HV ChaoJi AC/DC     | 38700040000    | Diverse      | ChaoJi AC/DC     | male         | 7               |
| GPN 387 HV GB/T 20234 AC/DC | 38700050000    | Diverse      | GB/T 20234 AC/DC | male         | 9               |
| GPN 387 HV CHAdeMO          | 38700070000    | Diverse      | CHAdeMO          | male         | 10              |

## Your added values:



**Better.**

With clamping ribs and positioning bars for reliable fit.



**Better fit.**

Protects open plug-in couplings from damage and contamination.



**More robust.**

Solid design for increased demands.



**Saves time.**

Practical tab for easy handling.



**Seals better.**

Protection against foreign objects > 1 mm



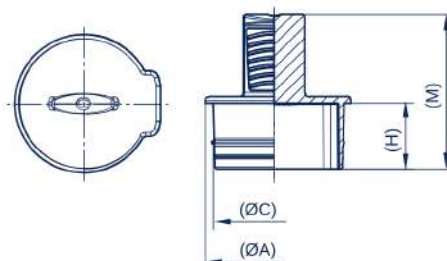
**NEW**

## Application

The GPN 387 Form C HV protectors are suitable for components in large electric motors requiring robust, high-performance connections. The circumferential lamellae enable an optimum clamping fit, while the handy grip tab ensures quick removal.

- Quick removal thanks to handy grip tab.
- Universal use for plugs with 1, 2 and 3 poles.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article         | A    | C    | H  | M    | 100% PCR    |
|-----------------|------|------|----|------|-------------|
| GPN 387 HV 1000 | 33,5 | 29,5 | 16 | 37,6 | 38706010000 |
| GPN 387 HV 1400 | 38,5 | 34,6 | 16 | 37,6 | 38706020000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article         | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|-----------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 387 HV 1000 | 38706010000    | TE Connectivity | HVP              | male         | 1               |
| GPN 387 HV 1400 | 38706020000    | TE Connectivity | HVP              | male         | 1               |

## Our product advantages at a glance:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

For the protection of high-voltage connector systems.



### Saves time.

With ergonomically designed removal tab for easy handling.



### Seals better.

Protection against foreign objects > 1 mm



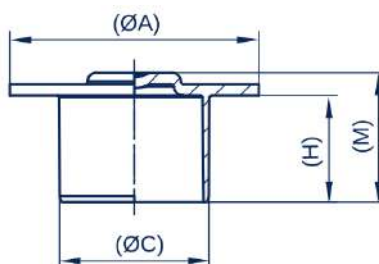
## Application



www.blaue-engel.de/uz30a

The GPN 388 HV protection is suitable for use with TE Connectivity's BCON+ high-voltage connection system. It protects the highly functional bolt connection systems with low resistance for connecting modules and switch boxes in traction batteries from corrosion and mechanical damage. It also provides protection against splashing water in accordance with protection class IPX4. The plug cap features a gripping edge that allows for quick removal. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



PCR-PE  
 blue  
 100% PCR

| Article         | A  | C    | H  | M    |             |
|-----------------|----|------|----|------|-------------|
| GPN 388 HV 0601 | 28 | 16,8 | 12 | 14,3 | 38806010000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article         | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|-----------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 388 HV 0601 | 38806010000    | TE Connectivity | BCON             | male         | 1               |

## Our product advantages at a glance:



### More resource-saving.

The plastic used consists of 100 % recycled material. For the protection of high-voltage connector systems.



### Better fit.



### Seals better.

Protection against foreign objects >1 mm



# HV Protection GPN 390 Type A

**NEW**

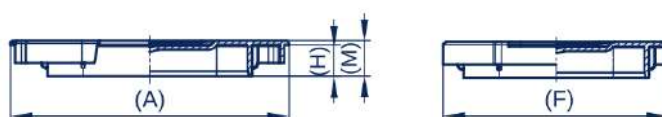


[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)

## Application

The HV protection GPN 390 Type A is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area from the battery to the inverter and electric motor, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cap has gripping edges on the side that allow quick removal and impresses with its functional design as a registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PP**  
turquoise blue  
**100% PCR**

| Article            | A    | F    | H   | M    |             |
|--------------------|------|------|-----|------|-------------|
| GPN 390 HV 270-2   | 47   | 63   | 8,7 | 11,1 | 39005010000 |
| GPN 390 HV STAK 25 | 58,2 | 55,1 | 25  | 27,7 | 39006180000 |
| GPN 390 HV STAK 35 | 85   | 69   | 38  | 10,8 | 39006130000 |
| GPN 390 HVP 1100   | 66,7 | 56,6 | 9,5 | 15,1 | 39006140000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article              | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|----------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 390 HV 270-2     | 39005010000    | Rosenberger     | HVR              | female       | 2               |
| GPN 390 HV STAK 35-2 | 39006180000    | TE Connectivity | HC-STAK          | female       | 2               |
| GPN 390 HV STAK 35   | 39006130000    | TE Connectivity | HC-STAK          | female       | 2               |
| GPN 390 HVP 1100     | 39006140000    | TE Connectivity | HVA              | female       | 1               |

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

Protection for High Voltage Connector Systems using our registered design.



### Saves time.

Quick disassembly thanks to non-slip grip surfaces.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



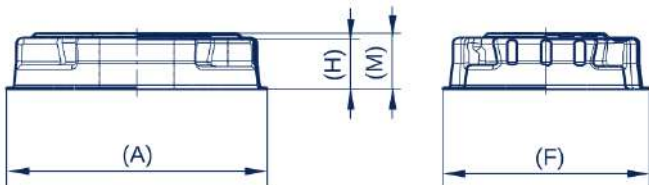
# HV Protection GPN 390 Type B



NEW

### Application

The HV protection GPN 390 Type B is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area from the battery to the inverter and electric motor, from corrosion and mechanical damage. The cap has non-slip gripping surfaces that allow fast removal and impresses with a functional registered design.



PET  
black

Virgin material

| Article          | A    | F    | H  | M  |             |
|------------------|------|------|----|----|-------------|
| GPN 390 EHPS2-60 | 57,7 | 45,7 | 10 | 12 | 39008010000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article          | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 390 EHPS2-60 | 39008010000    | Kangni       | tbd              | female       | 2               |

### Your added values:



Better fit.

Protection for High Voltage Connector Systems using our registered design.



Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



Seals better.

Protection against foreign objects >1 mm

Link to GPN 390 Type B



# HV Protection GPN 390 Type C

**NEW**

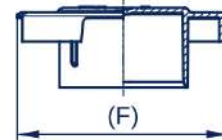
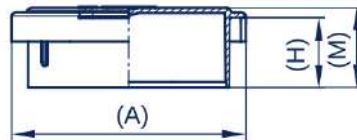
## Application



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The HV protection GPN 390 Type C is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area from the battery to the inverter and electric motor, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cap has gripping edges on the side that allow quick removal and impresses with its functional design as a registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PP**  
**turquoise blue**  
**100% PCR**

| Article            | A    | F    | H    | M    |             |
|--------------------|------|------|------|------|-------------|
| GPN 390 HV CLASS 4 | 64,1 | 58,2 | 19   | 21,7 | 39002030000 |
| GPN 390 HVP 800    | 65,7 | 57,2 | 20,4 | 21,7 | 39006170000 |
| GPN 390 HVA 630    | 41,4 | 41,6 | 29,8 | 28,5 | 39002040000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article            | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|--------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 390 HV CLASS 4 | 39002030000    | Aptiv           | Shieldpack       | female       | 2               |
| GPN 390 HV CLASS 4 | 39002030000    | TE Connectivity | HVP              | female       | 2               |
| GPN 390 HVP 800    | 39006170000    | TE Connectivity | HVP              | female       | 2               |
| GPN 390 HVA 630    | 39002040000    | TE Connectivity | HVA 630          | female       | 2               |

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

Protection for High Voltage Connector Systems using our registered design.



### Saves time.

Quick disassembly thanks to non-slip grip surfaces.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



# HV Protection **GPN 390 Type D**

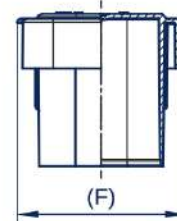
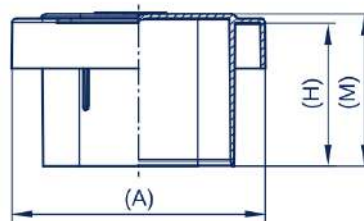
**NEW**



## **Application**

The HV protection GPN 390 Type D is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area from the battery to the inverter and electric motor, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cover has side gripping edges that allow quick removal and impresses with its functional design as a registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PP**  
**turquoise blue**

| Article          | A    | F    | H  | M    | 100% PCR    |
|------------------|------|------|----|------|-------------|
| GPN 390 HV 630-5 | 67,2 | 44,5 | 38 | 40,5 | 39006150000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## **Application Overview**

| Article          | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 390 HV 630-5 | 39006150000    | Amphenol        | HVC              | female       | 5               |
| GPN 390 HV 630-5 | 39006150000    | TE Connectivity | HVA              | female       | 5               |

## **Your added values:**



### **More resource-saving.**

The plastic used consists of 100 % recycled material.



### **Better fit.**

Protection for High Voltage Connector Systems using our registered design.



### **Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### **Saves time.**

Quick installation and removal.



### **Seals better.**

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



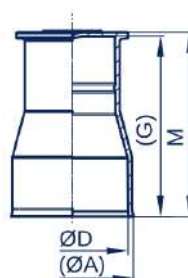
NEW



## Application

The GPN 391 HV protection is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area from the battery to the inverter and electric motor, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cap impresses with its functional design as a registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



PCR-PE  
blue

100% PCR

| Article        | A    | D  | G    | M    |             |
|----------------|------|----|------|------|-------------|
| GPN 391 HV HPK | 30,6 | 21 | 45,4 | 45,4 | 39105020000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article        | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|----------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 391 HV HPK | 39105020000    | Rosenberger  | HPK              | female       | 1               |
| GPN 391 HV HPK | 39105020000    | Rosenberger  | HPK              | female       | 2               |
| GPN 391 HV HPK | 39105020000    | Rosenberger  | HPK              | female       | 3               |

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

Protection for High Voltage Connector Systems using our registered design.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



**NEW**



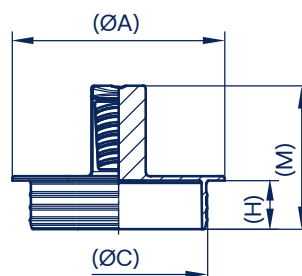
www.blauer-engel.de/uz30a



## Application

The GPN 392 HV protection with tab is suitable for use in parts and components for hybrid or electric vehicles. The handy grip tab ensures quick removal and the circumferential ribs enable an optimum clamp fit. Within certain limits, the HV protection prevents the ingress of liquids. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

**100% PCR**

| Article          | A  | C    | H    | M    |             |
|------------------|----|------|------|------|-------------|
| GPN 392 HV 300-2 | 47 | 39,4 | 10,8 | 31,8 | 39205010000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article          | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 392 HV 300-2 | 39205010000    | Rosenberger  | HVR              | female       | 2               |

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

Protection for High Voltage Connector Systems using our registered design.



### Saves time.

With practical tab for fast removal.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Seals better.

Protection against foreign objects >1 mm



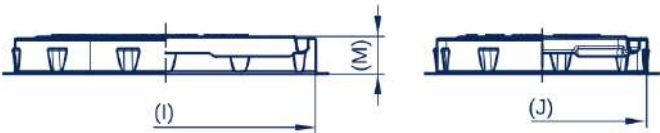
# HV Protection **GPN 394**

NEW



## Application

The GPN 394 HV protection is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area of batteries, DC/DC converters, on-board chargers, power strips and high-voltage distribution, against corrosion and mechanical damage. The cap impresses with its functional design as a registered design.



**PET  
black**  
**Virgin material**  
 39405010000  
 39405020000

| Article        | I    | J    | M    |             |
|----------------|------|------|------|-------------|
| GPN 394 HV 420 | 91,1 | 63,4 | 11,2 | 39405010000 |
| GPN 394 HV 240 | 66,3 | 62,1 | 11   | 39405020000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article        | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|----------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 394 HV 420 | 39405010000    | Rosenberger  | HVS              | female       | 2               |
| GPN 394 HV 240 | 39405020000    | Rosenberger  | HVS              | female       | 2               |

## Your added values:



Better fit.

Protection for High Voltage Connector Systems using our registered design.



Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



Seals better.

Protection against foreign objects>1mm



Link to GPN 394

# HV Protection GPN 395 Type A

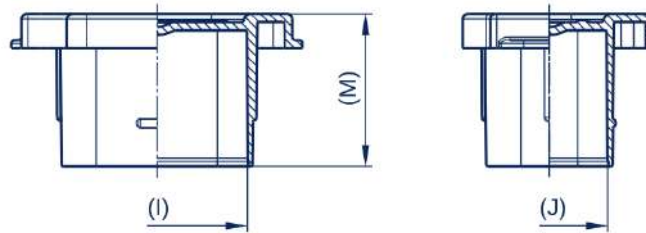
**NEW**



### Application

The HV protection GPN 395 Type A is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area of batteries, DC/DC converters, on-board chargers, power strips and high-voltage distribution, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cover has non-slip gripping surfaces that allow fast removal, can be fitted on both sides and impresses with a functional registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

**100% PCR**  
39502010000  
39506010000

| Article          | I    | J    | M    |             |
|------------------|------|------|------|-------------|
| GPN 395 HV 280-2 | 27,6 | 17,7 | 23,2 | 39502010000 |
| GPN 395 HV AMP   | 39,3 | 28,8 | 30,4 | 39506010000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article          | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 395 HV 280-2 | 39502010000    | Aptiv           | Shieldpack       | female       | 2               |
| GPN 395 HV 280-2 | 39502010000    | Aptiv           | HVA              | female       | 2               |
| GPN 395 HV AMP   | 39506010000    | TE Connectivity | AMP              | male         | 3               |

### Your added values:



#### More resource-saving.

The plastic used consists of 100 % recycled material.



#### Better fit.

Protection for High Voltage Connector Systems using our registered design.



#### Saves time.

Quick disassembly thanks to non-slip grip surfaces. Mounting on both sides possible.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



# HV Protection GPN 395 Type B

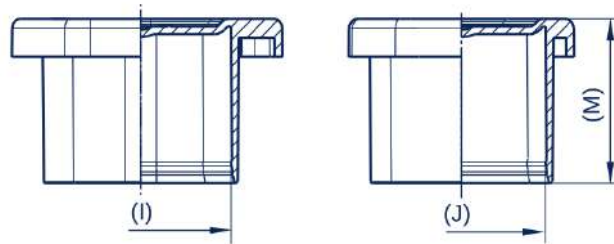
**NEW**



### Application

The HV protection GPN 395 Type B is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area of batteries, DC/DC converters, on-board chargers, power strips and high-voltage distribution, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cover impresses with its functional design as a registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

**100% PCR**

| Article          | I    | J    | M  |             |
|------------------|------|------|----|-------------|
| GPN 395 HD 400-2 | 28,8 | 26,8 | 26 | 39506030000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article          | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 395 HD 400-2 | 39506030000    | TE Connectivity | HVA              | female       | 2, 3            |

### Your added values:



#### More resource-saving.

The plastic used consists of 100 % recycled material.



#### Better fit.

Protection for High Voltage Connector Systems using our registered design.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



# HV Protection GPN 395 Type C

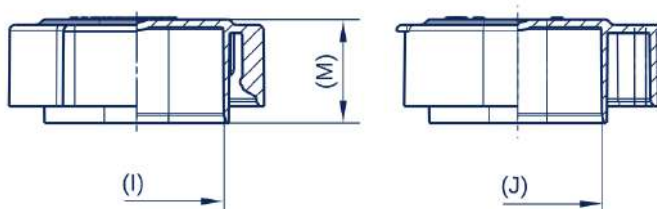
**NEW**



### Application

The HV protection GPN 395 Type C is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area of batteries, DC/DC converters, on-board chargers, power strips and high-voltage distribution, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cover impresses with its functional design as a registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue  
100% PCR**

| Article          | I    | J    | M    |             |
|------------------|------|------|------|-------------|
| GPN 395 HVSL 362 | 31,3 | 30,1 | 18,4 | 39507010000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article          | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 395 HVSL 362 | 39507010000    | Amphenol     | HVSL             | female       | 2               |

### Your added values:



#### More resource-saving.

The plastic used consists of 100 % recycled material.



#### Better fit.

Protection for High Voltage Connector Systems using our registered design.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



# HV Protection GPN 395 Type D

**NEW**

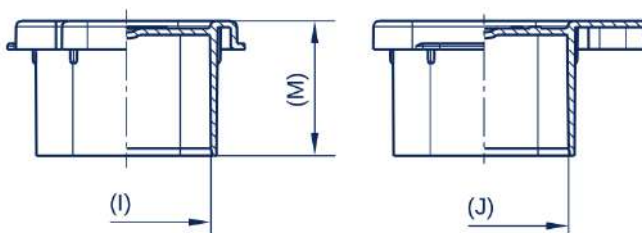


[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)

## Application

The HV protection GPN 395 Type D is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area of batteries, DC/DC converters, on-board chargers, power strips and high-voltage distribution, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cover has non-slip gripping surfaces that enable quick removal and impresses with its functional design as a registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue  
100% PCR**

| Article           | I    | J     | M    |             |
|-------------------|------|-------|------|-------------|
| GPN 395 HVU 280   | 25,7 | 16,6  | 23,8 | 39506040000 |
| GPN 395 HVA 280   | 28,8 | 18,5  | 15,5 | 39506060000 |
| GPN 395 HVSC 280* | 28,4 | 22,37 | 23   | 39500010000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article           | Article number | Manufacturer    | Connector family | Housing Type | Number of poles |
|-------------------|----------------|-----------------|------------------|--------------|-----------------|
| GPN 395 HVU 280   | 39506040000    | TE Connectivity | AMP 2.8, HVU 280 | female       | 2               |
| GPN 395 HVA 280   | 39506060000    | TE Connectivity | HVA              | female       | 2               |
| GPN 395 HVA 280   | 39506060000    | TE Connectivity | HVA              | female       | 2               |
| GPN 395 HVA 280   | 39506060000    | TE Connectivity | HVA              | female       | 2               |
| GPN 395 HVSC 280* | 39500010000    | KET             | HVSC 110         | female       | 2               |

## Your added values:



**More resource-saving.**

The plastic used consists of 100 % recycled material.



**Better fit.**

Protection for High Voltage Connector Systems using our registered design.



**Saves time.**

Quick installation and removal.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Seals better.**

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



# HV Protection GPN 395 Type E

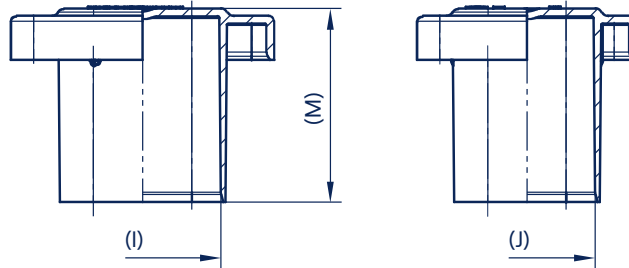
**NEW**



## Application

The HV protection GPN 395 Type E is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area of batteries, DC/DC converters, on-board chargers, power strips and high-voltage distribution, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cover enables quick removal, can be fitted on both sides and features a functional design as a registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



  
**PCR-PP**  
turquoise blue  
**100% PCR**  
39503020000

| Article           | I  | J    | M    |             |
|-------------------|----|------|------|-------------|
| GPN 395 HV 40-4+2 | 28 | 24,4 | 34,6 | 39503020000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article           | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|-------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 395 HV 40-4+2 | 39503020000    | Hirschmann   | HPS              | female       | 2; 4            |

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

Protection for High Voltage Connector Systems using our registered design.



### Saves time.

Quick disassembly thanks to non-slip grip surfaces. Mounting on both sides possible.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



# HV Protection GPN 396 Type A

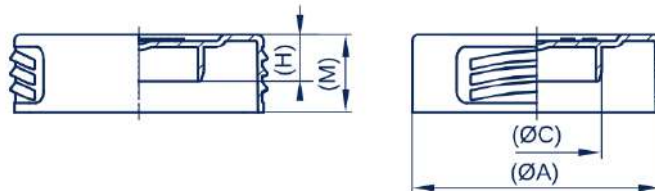
**NEW**



### Application

The HV protection GPN 396 Type A is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area from the battery to the inverter and electric motor, against corrosion and mechanical damage and offers protection against splash water in accordance with protection class IPX4. The cap has non-slip gripping surfaces that allow fast removal and impresses with a functional registered design. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**  
100% PCR

| Article       | A    | C    | H   | M    |             |
|---------------|------|------|-----|------|-------------|
| GPN 396 HV 51 | 40,2 | 20,9 | 5,5 | 12,5 | 39605010000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article       | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|---------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 396 HV 51 | 39605010000    | Rosenberger  | HVR              | female       | 2               |

### Your added values:



#### More resource-saving.

The plastic used consists of 100 % recycled material.



#### Better fit.

Protection for High Voltage Connector Systems using our registered design.



#### Saves time.

Quick disassembly thanks to non-slip grip surfaces.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



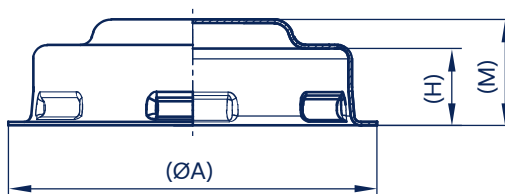
# HV Protection GPN 396 Type B

**NEW**



### Application

The HV protection GPN 396 Type B is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area from the battery to the inverter and electric motor, from corrosion and mechanical damage. The cap has non-slip gripping surfaces that allow fast removal and impresses with a functional registered design.



**PET  
black**

| Article         | A  | H  | M    | Virgin material |
|-----------------|----|----|------|-----------------|
| GPN 396 HV 40-2 | 36 | 10 | 10,4 | 39603010000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article         | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|-----------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 396 HV 40-2 | 39603010000    | Hirschmann   | HPS NAFTA        | female       | 2               |
| GPN 396 HV 40-2 | 39603010000    | Hirschmann   | HPS In-Line      | female       | 2               |
| GPN 396 HV 40-2 | 39603010000    | Hirschmann   | HPS              | female       | 2               |

### Your added values:



#### Better fit.

Protection for High Voltage Connector Systems using our registered design.



#### Saves time.

Quick disassembly thanks to non-slip grip surfaces.



#### More resource-saving.

Up to 70 % less material input.



#### Seals better.

Protection against foreign objects > 1 mm



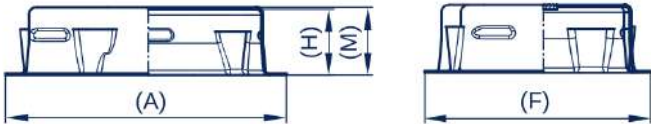
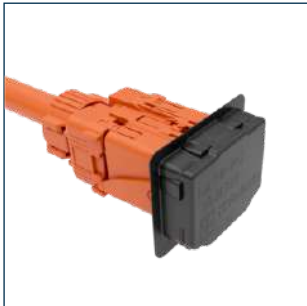
# HV Protection GPN 396 Type C

NEW



### Application

The HV protection GPN 396 Type C is suitable for use in parts and components for hybrid or electric vehicles. It protects connectors, e.g. in the area from the battery to the inverter and electric motor, from corrosion and mechanical damage. The cap has non-slip gripping surfaces that allow fast removal and impresses with a functional registered design.



**PET  
black**  
Virgin material

| Article           | A    | F    | H  | M  |             |
|-------------------|------|------|----|----|-------------|
| GPN 396 HV 40-4+2 | 57,7 | 45,7 | 12 | 10 | 39603030000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Application Overview

| Article           | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|-------------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 396 HV 40-4+2 | 39603030000    | Hirschmann   | HPS              | female       | 2; 4            |

### Your added values:



**Better fit.**

Protection for High Voltage Connector Systems using our registered design.



**Saves time.**

Quick disassembly thanks to non-slip grip surfaces.



**More resource-saving.**

Up to 70 % less material input.



**Seals better.**

Protection against foreign objects>1 mm



**NEW**

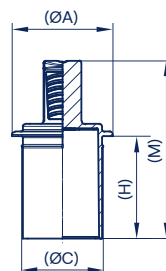


www.blauer-engel.de/uz308

## Application

The GPN 397 HV protection with tab is suitable for use in parts and components for hybrid or electric vehicles. The handy grip tab ensures quick removal. Within certain limits, the HV protection prevents the ingress of liquids. The plastic used is made from post-consumer recycled material.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

**100% PCR**

| Article         | A  | C    | H    | M    |             |
|-----------------|----|------|------|------|-------------|
| GPN 397 HV 40-2 | 32 | 25,9 | 32,5 | 56,4 | 39703010000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application Overview

| Article         | Article number | Manufacturer | Connector family | Housing Type | Number of poles |
|-----------------|----------------|--------------|------------------|--------------|-----------------|
| GPN 397 HV 40-2 | 39703010000    | Hirschmann   | HPS NAFTA        | female       | 2               |
| GPN 397 HV 40-2 | 39703010000    | Hirschmann   | HPS In-Line      | female       | 2               |
| GPN 397 HV 40-2 | 39703010000    | Hirschmann   | HPS              | female       | 2               |

## Your added values:



### More resource-saving.

The plastic used consists of 100 % recycled material.



### Better fit.

Protection for High Voltage Connector Systems using our registered design.



### Saves time.

With practical tab for fast removal.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



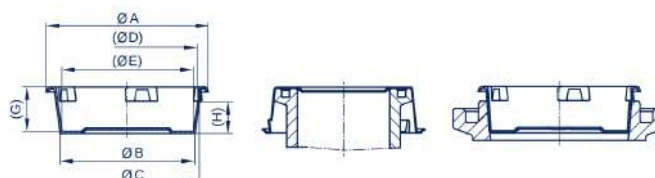
### Seals better.

Protection against splashing water from any direction (IPX4) depending on the specific connector design and quality.



## Application

The GPN 400 ECO universal protection can be used as a cap or a plug and protects external threads, bolts and pipes as well as internal thread and bore holes. The thermoformed universal protector reduces the amount of material used by up to 70 %. The stackable design reduces the transport and storage volume by up to 75 %.



**PS  
yellow**

| Article        | A    | B     | C     | D     | E     | G    | H  | Virgin material |
|----------------|------|-------|-------|-------|-------|------|----|-----------------|
| GPN 400 C 585  | 70,2 | 56,4  | 58,6  | 57,9  | 55,9  | 22,5 | 15 | 40005850000     |
| GPN 400 C 598  | 70,2 | 57,7  | 59,9  | 59,2  | 57,3  | 22,5 | 15 | 40005980000     |
| GPN 400 C 611  | 70,2 | 59    | 61,3  | 60,3  | 58,5  | 22,5 | 15 | 40006110000     |
| GPN 400 C 624  | 82   | 60,3  | 62,5  | 61,8  | 59,8  | 22,5 | 15 | 40006240000     |
| GPN 400 C 635  | 82   | 61,4  | 63,6  | 62,9  | 60,9  | 22,5 | 15 | 40006350000     |
| GPN 400 C 648  | 82   | 62,7  | 64,9  | 64,2  | 62,2  | 22,5 | 15 | 40064800000     |
| GPN 400 C 660  | 82   | 63,9  | 66,1  | 65,4  | 63,3  | 22,5 | 15 | 40066000000     |
| GPN 400 C 673  | 82   | 65,4  | 67,5  | 66,9  | 64,9  | 22,5 | 15 | 40067300000     |
| GPN 400 C 686  | 82   | 66,5  | 68,7  | 67,9  | 66    | 22,5 | 15 | 40006860000     |
| GPN 400 C 699  | 82   | 67,8  | 70    | 69,2  | 67,3  | 22,5 | 15 | 40006990000     |
| GPN 400 C 712  | 82   | 69,1  | 71,3  | 70,5  | 68,6  | 22,5 | 15 | 40007120000     |
| GPN 400 C 725  | 82   | 70,4  | 72,5  | 71,8  | 69,9  | 22,5 | 15 | 40007250000     |
| GPN 400 C 738  | 82   | 71,7  | 73,9  | 73,1  | 71,2  | 22,5 | 15 | 40007380000     |
| GPN 400 C 751  | 92   | 72,9  | 74,8  | 74,4  | 72,5  | 22,5 | 15 | 40007510000     |
| GPN 400 C 768  | 92   | 74,3  | 76,6  | 75,9  | 73,8  | 25,4 | 18 | 40007680000     |
| GPN 400 C 785  | 92   | 75,9  | 78,3  | 77,6  | 75,5  | 25,4 | 18 | 40007850000     |
| GPN 400 C 802  | 92   | 77,7  | 80    | 79,3  | 77,2  | 25,4 | 18 | 40008020000     |
| GPN 400 C 819  | 92   | 79,4  | 81,7  | 81    | 78,9  | 25,4 | 18 | 40008190000     |
| GPN 400 C 836  | 101  | 81,1  | 83,4  | 82,7  | 80,6  | 25,4 | 18 | 40008360000     |
| GPN 400 C 853  | 101  | 82,8  | 85,1  | 84,4  | 82,3  | 25,4 | 18 | 40008530000     |
| GPN 400 C 870  | 101  | 84,4  | 86,8  | 86,1  | 83,9  | 25,4 | 18 | 40008700000     |
| GPN 400 C 887  | 101  | 86,2  | 88,5  | 87,7  | 85,7  | 25,4 | 18 | 40008870000     |
| GPN 400 C 902  | 101  | 87,7  | 90    | 89,3  | 87,2  | 25,4 | 18 | 40009020000     |
| GPN 400 C 917  | 101  | 89,1  | 91,5  | 90,7  | 88,6  | 25,4 | 18 | 40009170000     |
| GPN 400 C 934  | 112  | 91    | 93,3  | 92,4  | 90,3  | 25,4 | 18 | 40009340000     |
| GPN 400 C 951  | 112  | 92,7  | 95    | 94    | 91,9  | 25,4 | 18 | 40009510000     |
| GPN 400 C 969  | 112  | 94    | 96,7  | 95,9  | 93,4  | 28,4 | 21 | 40009690000     |
| GPN 400 C 990  | 112  | 96,1  | 98,8  | 98    | 95,5  | 28,4 | 21 | 40009900000     |
| GPN 400 C 1007 | 112  | 97,6  | 100,5 | 99,8  | 97,1  | 28,4 | 21 | 40010070000     |
| GPN 400 C 1025 | 118  | 99,6  | 102,3 | 102   | 99,1  | 28,4 | 21 | 40010250000     |
| GPN 400 C 1046 | 118  | 101,6 | 104,3 | 104   | 101,1 | 28,4 | 21 | 40010460000     |
| GPN 400 C 1076 | 118  | 104,6 | 107,3 | 107,1 | 104,1 | 28,4 | 21 | 40010760000     |
| GPN 400 C 1088 | 118  | 105,8 | 108,5 | 108,2 | 105,3 | 28,4 | 21 | 40010880000     |
| GPN 400 C 1109 | 132  | 107,9 | 110,6 | 110,3 | 107,3 | 28,4 | 21 | 40011090000     |
| GPN 400 C 1129 | 132  | 109,7 | 112,6 | 111,8 | 109,1 | 28,4 | 21 | 40011290000     |
| GPN 400 C 1145 | 132  | 111,4 | 114,2 | 113,8 | 110,9 | 28,4 | 21 | 40011450000     |
| GPN 400 C 1170 | 132  | 113,7 | 116,8 | 116   | 113,2 | 31,3 | 24 | 40011700000     |
| GPN 400 C 1195 | 132  | 116,1 | 119,2 | 118,8 | 115,6 | 31,3 | 24 | 40011950000     |
| GPN 400 C 1219 | 132  | 118,5 | 121,6 | 120,8 | 118   | 31,3 | 24 | 40012190000     |
| GPN 400 C 1231 | 142  | 119,8 | 122,9 | 122   | 119,1 | 31,3 | 24 | 40012310000     |
| GPN 400 C 1256 | 142  | 122,2 | 125,3 | 124,5 | 121,6 | 31,3 | 24 | 40012560000     |
| GPN 400 C 1280 | 142  | 124,4 | 127,8 | 127   | 123,7 | 31,3 | 24 | 40012800000     |
| GPN 400 C 1306 | 142  | 127   | 130,3 | 129,7 | 126,4 | 31,3 | 24 | 40013060000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.



# GPN 400

Your added values:



**More resource-saving.**

Up to 70 % less material input.



**More versatile.**

Can be used as plug or cap.



**Stackable.**

Up to 75 % less transport and storage volume due to stackable design.



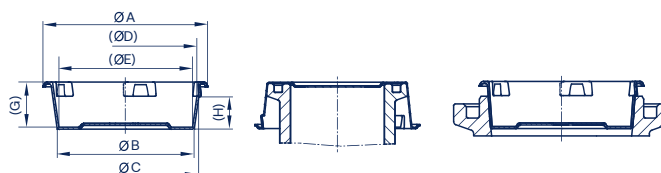
**Seals better.**

Protection against foreign objects >1 mm



## Application

The GPN 401 ECO universal protection can be used as a cap or a plug and protects external threads, bolts and pipes as well as internal thread and bore holes. The thermoformed universal protector reduces the amount of material used by up to 70 %. The stackable design reduces the transport and storage volume by up to 75 %.



**PET  
natural**

| Article        | A    | B     | C     | D     | E     | G    | H  | Virgin material |
|----------------|------|-------|-------|-------|-------|------|----|-----------------|
| GPN 401 C 585  | 70,2 | 56,6  | 58,8  | 58,1  | 56,1  | 22,5 | 15 | 40105850000     |
| GPN 401 C 598  | 70,2 | 57,9  | 60,1  | 59,4  | 57,4  | 22,5 | 15 | 40105980000     |
| GPN 401 C 611  | 70,2 | 59,3  | 61,5  | 60,7  | 58,8  | 22,5 | 15 | 40106110000     |
| GPN 401 C 624  | 82   | 60,5  | 62,8  | 62    | 60    | 22,5 | 15 | 40106240000     |
| GPN 401 C 635  | 82   | 61,6  | 63,9  | 63,1  | 61,1  | 22,5 | 15 | 40106350000     |
| GPN 401 C 648  | 82   | 62,9  | 65,1  | 64,4  | 62,3  | 22,5 | 15 | 40106480000     |
| GPN 401 C 660  | 82   | 64,1  | 66,2  | 65,2  | 63,6  | 22,5 | 15 | 40106600000     |
| GPN 401 C 673  | 82   | 65,4  | 67,4  | 66,6  | 64,9  | 22,5 | 15 | 40106730000     |
| GPN 401 C 686  | 82   | 66,7  | 68,9  | 68,1  | 66,2  | 22,5 | 15 | 40106860000     |
| GPN 401 C 699  | 82   | 68    | 70    | 69,2  | 67,5  | 22,5 | 15 | 40106990000     |
| GPN 401 C 712  | 82   | 69,3  | 71,2  | 70,5  | 68,8  | 22,5 | 15 | 40107120000     |
| GPN 401 C 725  | 82   | 70,6  | 72,6  | 71,8  | 70,1  | 22,5 | 15 | 40107250000     |
| GPN 401 C 738  | 82   | 71,9  | 73,9  | 73,1  | 71,4  | 22,5 | 15 | 40107380000     |
| GPN 401 C 751  | 92   | 73    | 75    | 74,4  | 72,7  | 22,5 | 15 | 40107510000     |
| GPN 401 C 768  | 92   | 74,5  | 76,8  | 76,1  | 74    | 25,4 | 18 | 40107680000     |
| GPN 401 C 785  | 92   | 76,2  | 78,5  | 77,8  | 75,7  | 25,4 | 18 | 40107850000     |
| GPN 401 C 802  | 92   | 77,9  | 80,3  | 79,5  | 77,4  | 25,4 | 18 | 40108020000     |
| GPN 401 C 819  | 92   | 79,6  | 82    | 81,2  | 79,1  | 25,4 | 18 | 40108190000     |
| GPN 401 C 836  | 101  | 81,3  | 83,7  | 83    | 80,8  | 25,4 | 18 | 40108360000     |
| GPN 401 C 853  | 101  | 83    | 85,4  | 84,7  | 82,5  | 25,4 | 18 | 40108530000     |
| GPN 401 C 870  | 101  | 84,7  | 87,1  | 86,4  | 84,2  | 25,4 | 18 | 40108700000     |
| GPN 401 C 887  | 101  | 86,4  | 88,8  | 88,3  | 85,9  | 25,4 | 18 | 40108870000     |
| GPN 401 C 902  | 101  | 87,9  | 90,3  | 89,6  | 87,4  | 25,4 | 18 | 40109020000     |
| GPN 401 C 917  | 101  | 89,3  | 91,7  | 91    | 88,8  | 25,4 | 18 | 40109170000     |
| GPN 401 C 934  | 112  | 91,2  | 93,6  | 92,8  | 90,7  | 25,4 | 18 | 40109340000     |
| GPN 401 C 951  | 112  | 92,9  | 95,3  | 94,5  | 92,3  | 25,4 | 18 | 40109510000     |
| GPN 401 C 969  | 112  | 94,2  | 97    | 96,3  | 93,7  | 28,4 | 21 | 40109690000     |
| GPN 401 C 990  | 112  | 96,3  | 99,1  | 98,4  | 95,7  | 28,4 | 21 | 40109900000     |
| GPN 401 C 1007 | 112  | 97,9  | 100,7 | 100   | 97,3  | 28,4 | 21 | 40110070000     |
| GPN 401 C 1025 | 118  | 99,8  | 102,6 | 101,9 | 99,3  | 28,4 | 21 | 40110250000     |
| GPN 401 C 1046 | 118  | 101,9 | 104,7 | 103,9 | 101,3 | 28,4 | 21 | 40110460000     |
| GPN 401 C 1076 | 118  | 104,9 | 107,7 | 107   | 104,3 | 28,4 | 21 | 40110760000     |
| GPN 401 C 1088 | 118  | 106,2 | 108,9 | 108,3 | 105,6 | 28,4 | 21 | 40110880000     |
| GPN 401 C 1109 | 132  | 108,1 | 111   | 110,4 | 107,6 | 28,4 | 21 | 40111090000     |
| GPN 401 C 1129 | 132  | 110,1 | 113   | 112,2 | 109,5 | 28,4 | 21 | 40111290000     |
| GPN 401 C 1145 | 132  | 111,7 | 114,6 | 114,1 | 111,1 | 28,4 | 21 | 40111450000     |
| GPN 401 C 1170 | 132  | 113,9 | 117,1 | 116,4 | 113,4 | 31,3 | 24 | 40111700000     |
| GPN 401 C 1195 | 132  | 116,3 | 119,5 | 119   | 115,8 | 31,3 | 24 | 40111950000     |
| GPN 401 C 1219 | 132  | 118,7 | 122   | 121,2 | 118,1 | 31,3 | 24 | 40112190000     |
| GPN 401 C 1231 | 142  | 119,9 | 123,3 | 122,6 | 119,4 | 31,3 | 24 | 40112310000     |
| GPN 401 C 1256 | 142  | 122,4 | 125,7 | 124,9 | 121,8 | 31,3 | 24 | 40112560000     |
| GPN 401 C 1280 | 142  | 124,5 | 128   | 127,3 | 124   | 31,3 | 24 | 40112800000     |
| GPN 401 C 1306 | 142  | 127,5 | 130,7 | 130   | 126,8 | 31,3 | 24 | 40113060000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.





**More resource-saving.**

Up to 70 % less material input.



**More versatile.**

Can be used as plug or cap.



**Stackable.**

Up to 75 % less transport and storage volume due to stackable design.



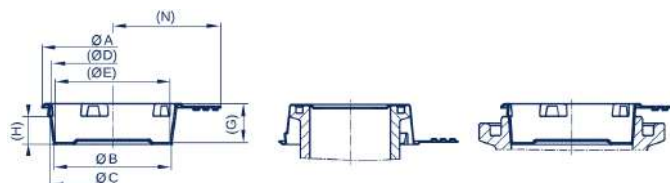
**Seals better.**

Protection against foreign objects >1 mm



## Application

The GPN 480 ECO grip plugs can be used as a cap or a plug and protect external threads, bolts and pipes as well as internal thread and bore holes. The thermoformed grip plugs reduce the amount of material used by up to 70 %. The stackable design reduces the transport and storage volume by up to 75 %. The gripping surface enables very quick disassembly.



**PS  
yellow**

| Article        | A    | B     | C     | D     | E     | G    | H  | N  | Virgin material |
|----------------|------|-------|-------|-------|-------|------|----|----|-----------------|
| GPN 480 C 585  | 70,2 | 56,4  | 58,6  | 57,9  | 55,9  | 22,5 | 15 | 58 | 48005850000     |
| GPN 480 C 598  | 70,2 | 57,7  | 59,9  | 59,2  | 57,3  | 22,5 | 15 | 58 | 48005980000     |
| GPN 480 C 611  | 70,2 | 59    | 61,3  | 60,3  | 58,5  | 22,5 | 15 | 58 | 48006110000     |
| GPN 480 C 624  | 82   | 60,3  | 62,5  | 61,8  | 59,8  | 22,5 | 15 | 64 | 48006240000     |
| GPN 480 C 635  | 82   | 61,4  | 63,6  | 62,9  | 60,9  | 22,5 | 15 | 64 | 48006350000     |
| GPN 480 C 648  | 82   | 62,7  | 64,9  | 64,2  | 62,2  | 22,5 | 15 | 64 | 48064800000     |
| GPN 480 C 660  | 82   | 63,9  | 66,1  | 65,4  | 63,3  | 22,5 | 15 | 64 | 48066000000     |
| GPN 480 C 673  | 82   | 65,4  | 67,5  | 66,9  | 64,9  | 22,5 | 15 | 64 | 48067300000     |
| GPN 480 C 686  | 82   | 66,5  | 68,7  | 67,9  | 66    | 22,5 | 15 | 66 | 48006860000     |
| GPN 480 C 699  | 82   | 67,8  | 70    | 69,2  | 67,3  | 22,5 | 15 | 66 | 48006990000     |
| GPN 480 C 712  | 82   | 69,1  | 71,3  | 70,5  | 68,6  | 22,5 | 15 | 66 | 48007120000     |
| GPN 480 C 725  | 82   | 70,4  | 72,5  | 71,8  | 69,9  | 22,5 | 15 | 66 | 48007250000     |
| GPN 480 C 738  | 82   | 71,7  | 73,9  | 73,1  | 71,2  | 22,5 | 15 | 66 | 48007380000     |
| GPN 480 C 751  | 92   | 72,9  | 74,8  | 74    | 72,4  | 22,5 | 15 | 71 | 48007510000     |
| GPN 480 C 768  | 92   | 74,3  | 76,6  | 75,9  | 73,8  | 25,4 | 18 | 71 | 48007680000     |
| GPN 480 C 785  | 92   | 75,9  | 78,3  | 77,6  | 75,5  | 25,4 | 18 | 71 | 48007850000     |
| GPN 480 C 802  | 92   | 77,7  | 80    | 79,3  | 77,2  | 25,4 | 18 | 71 | 48008020000     |
| GPN 480 C 819  | 92   | 79,4  | 81,7  | 81    | 78,9  | 25,4 | 18 | 71 | 48008190000     |
| GPN 480 C 836  | 101  | 81,1  | 83,4  | 82,7  | 80,6  | 25,4 | 18 | 76 | 48008360000     |
| GPN 480 C 853  | 101  | 82,8  | 85,1  | 84,4  | 82,3  | 25,4 | 18 | 76 | 48008530000     |
| GPN 480 C 870  | 101  | 84,4  | 86,8  | 86,1  | 83,9  | 25,4 | 18 | 76 | 48008700000     |
| GPN 480 C 887  | 101  | 86,2  | 88,5  | 87,7  | 85,7  | 25,4 | 18 | 76 | 48008870000     |
| GPN 480 C 902  | 101  | 87,7  | 90    | 89,3  | 87,2  | 25,4 | 18 | 76 | 48009020000     |
| GPN 480 C 917  | 101  | 89,1  | 91,5  | 90,7  | 88,6  | 25,4 | 18 | 76 | 48009170000     |
| GPN 480 C 934  | 112  | 91    | 93,3  | 92,4  | 90,3  | 25,4 | 18 | 81 | 48009340000     |
| GPN 480 C 951  | 112  | 92,7  | 95    | 94    | 91,9  | 25,4 | 18 | 81 | 48009510000     |
| GPN 480 C 969  | 112  | 94    | 96,7  | 95,9  | 93,4  | 28,4 | 21 | 81 | 48009690000     |
| GPN 480 C 990  | 112  | 96,1  | 98,8  | 98    | 95,5  | 28,4 | 21 | 81 | 48009900000     |
| GPN 480 C 1007 | 112  | 97,6  | 100,5 | 99,8  | 97,1  | 28,4 | 21 | 81 | 48010070000     |
| GPN 480 C 1025 | 118  | 99,6  | 102,3 | 102   | 99,1  | 28,4 | 21 | 84 | 48010250000     |
| GPN 480 C 1046 | 118  | 101,6 | 104,3 | 104   | 101,1 | 28,4 | 21 | 84 | 48010460000     |
| GPN 480 C 1076 | 118  | 104,6 | 107,3 | 107,1 | 104,1 | 28,4 | 21 | 84 | 48010760000     |
| GPN 480 C 1088 | 118  | 105,8 | 108,5 | 108,2 | 105,3 | 28,4 | 21 | 84 | 48010880000     |
| GPN 480 C 1109 | 132  | 107,9 | 110,6 | 110,3 | 107,3 | 28,4 | 21 | 91 | 48011090000     |
| GPN 480 C 1129 | 132  | 109,7 | 112,6 | 111,8 | 109,1 | 28,4 | 21 | 91 | 48011290000     |
| GPN 480 C 1145 | 132  | 111,4 | 114,2 | 113,8 | 110,9 | 28,4 | 21 | 91 | 48011450000     |
| GPN 480 C 1170 | 132  | 113,7 | 116,8 | 116   | 113,2 | 31,3 | 24 | 91 | 48011700000     |
| GPN 480 C 1195 | 132  | 116,1 | 119,2 | 118,8 | 115,6 | 31,3 | 24 | 91 | 48011950000     |
| GPN 480 C 1219 | 132  | 118,5 | 121,6 | 120,8 | 118   | 31,3 | 24 | 91 | 48012190000     |
| GPN 480 C 1231 | 142  | 119,8 | 122,9 | 122   | 119,1 | 31,3 | 24 | 96 | 48012310000     |
| GPN 480 C 1256 | 142  | 122,2 | 125,3 | 124,5 | 121,6 | 31,3 | 24 | 96 | 48012560000     |
| GPN 480 C 1280 | 142  | 124,4 | 127,8 | 127   | 123,7 | 31,3 | 24 | 96 | 48012800000     |
| GPN 480 C 1306 | 142  | 127   | 130,3 | 129,7 | 126,4 | 31,3 | 24 | 96 | 48013060000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.





**More resource-saving.**

Up to 70 % less material input.



**Saves time.**

With practical tab for fast removal.



**More versatile.**

Can be used as plug or cap.



**Stackable.**

Up to 75 % less transport and storage volume due to stackable design.



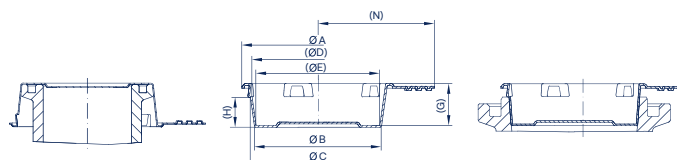
**Seals better.**

Protection against foreign objects >1 mm



## Application

The GPN 481 ECO grip plugs can be used as a cap or a plug and protect external threads, bolts and pipes as well as internal thread and bore holes. The thermoformed grip plugs reduce the amount of material used by up to 70 %. The stackable design reduces the transport and storage volume by up to 75 %. The gripping surface enables very quick disassembly.



**PET**  
**natural**

| Article        | A    | B     | C     | D     | E     | G    | H  | N  | Virgin material |
|----------------|------|-------|-------|-------|-------|------|----|----|-----------------|
| GPN 481 C 585  | 70,2 | 56,6  | 58,8  | 58,1  | 56,1  | 22,5 | 15 | 58 | 48105850000     |
| GPN 481 C 598  | 70,2 | 57,9  | 60,1  | 59,4  | 57,4  | 22,5 | 15 | 58 | 48105980000     |
| GPN 481 C 611  | 70,2 | 59,3  | 61,5  | 60,7  | 58,8  | 22,5 | 15 | 58 | 48106110000     |
| GPN 481 C 624  | 82   | 60,5  | 62,8  | 62    | 60    | 22,5 | 15 | 64 | 48106240000     |
| GPN 481 C 635  | 82   | 61,6  | 63,9  | 63,1  | 61,1  | 22,5 | 15 | 64 | 48106350000     |
| GPN 481 C 648  | 82   | 62,9  | 65,1  | 64,4  | 62,3  | 22,5 | 15 | 64 | 48106480000     |
| GPN 481 C 660  | 82   | 64,1  | 66,2  | 65,6  | 63,6  | 22,5 | 15 | 64 | 48106600000     |
| GPN 481 C 673  | 82   | 65,4  | 67,4  | 66,6  | 64,9  | 22,5 | 15 | 64 | 48106730000     |
| GPN 481 C 686  | 82   | 66,7  | 68,9  | 68,1  | 68,8  | 22,5 | 15 | 66 | 48106860000     |
| GPN 481 C 699  | 82   | 68    | 70    | 69,2  | 70,2  | 22,5 | 15 | 66 | 48106990000     |
| GPN 481 C 712  | 82   | 69,3  | 71,2  | 70,5  | 71,4  | 22,5 | 15 | 66 | 48107120000     |
| GPN 481 C 725  | 82   | 70,6  | 72,6  | 71,8  | 72,8  | 22,5 | 15 | 66 | 48107250000     |
| GPN 481 C 738  | 82   | 71,9  | 73,9  | 73,1  | 74    | 22,5 | 15 | 66 | 48107380000     |
| GPN 481 C 751  | 92   | 73    | 75    | 74,4  | 75,3  | 22,5 | 15 | 71 | 48107510000     |
| GPN 481 C 768  | 92   | 74,5  | 76,8  | 76,1  | 77    | 25,4 | 18 | 71 | 48107680000     |
| GPN 481 C 785  | 92   | 76,2  | 78,5  | 77,8  | 78,7  | 25,4 | 18 | 71 | 48107850000     |
| GPN 481 C 802  | 92   | 77,9  | 80,3  | 79,5  | 80,5  | 25,4 | 18 | 71 | 48108020000     |
| GPN 481 C 819  | 92   | 79,6  | 82    | 81,2  | 82,1  | 25,4 | 18 | 71 | 48108190000     |
| GPN 481 C 836  | 101  | 81,3  | 83,7  | 83    | 83,9  | 25,4 | 18 | 76 | 48108360000     |
| GPN 481 C 853  | 101  | 83    | 85,4  | 84,7  | 85,6  | 25,4 | 18 | 76 | 48108530000     |
| GPN 481 C 870  | 101  | 84,7  | 87,1  | 86,4  | 87,3  | 25,4 | 18 | 76 | 48108700000     |
| GPN 481 C 887  | 101  | 86,4  | 88,8  | 88,3  | 88,9  | 25,4 | 18 | 76 | 48108870000     |
| GPN 481 C 902  | 101  | 87,9  | 90,3  | 89,6  | 90,5  | 25,4 | 18 | 76 | 48109020000     |
| GPN 481 C 917  | 101  | 89,3  | 91,7  | 91    | 91,9  | 25,4 | 18 | 76 | 48109170000     |
| GPN 481 C 934  | 112  | 91,2  | 93,6  | 92,8  | 93,6  | 25,4 | 18 | 81 | 48109340000     |
| GPN 481 C 951  | 112  | 92,9  | 95,3  | 94,5  | 93,6  | 25,4 | 18 | 81 | 48109510000     |
| GPN 481 C 969  | 112  | 94,2  | 97    | 96,3  | 97,2  | 28,4 | 21 | 81 | 48109690000     |
| GPN 481 C 990  | 112  | 96,3  | 99,1  | 98,4  | 99,3  | 28,4 | 21 | 81 | 48109900000     |
| GPN 481 C 1007 | 112  | 97,9  | 100,7 | 100   | 100,9 | 28,4 | 21 | 81 | 48110070000     |
| GPN 481 C 1025 | 118  | 99,8  | 102,6 | 101,9 | 102,8 | 28,4 | 21 | 84 | 48110250000     |
| GPN 481 C 1046 | 118  | 101,9 | 104,7 | 103,9 | 104,8 | 28,4 | 21 | 84 | 48110460000     |
| GPN 481 C 1076 | 118  | 104,9 | 107,7 | 107   | 107,9 | 28,4 | 21 | 84 | 48110760000     |
| GPN 481 C 1088 | 118  | 106,2 | 108,9 | 108,3 | 109,2 | 28,4 | 21 | 84 | 48110880000     |
| GPN 481 C 1109 | 132  | 108,1 | 111   | 110,4 | 111,2 | 28,4 | 21 | 91 | 48111090000     |
| GPN 481 C 1129 | 132  | 110,1 | 113   | 112,2 | 113,3 | 28,4 | 21 | 91 | 48111290000     |
| GPN 481 C 1145 | 132  | 111,7 | 114,6 | 114,1 | 114,8 | 28,4 | 21 | 91 | 48111450000     |
| GPN 481 C 1170 | 132  | 113,9 | 117,1 | 116,4 | 117,3 | 31,3 | 24 | 91 | 48111700000     |
| GPN 481 C 1195 | 132  | 116,3 | 119,5 | 119   | 120,1 | 31,3 | 24 | 91 | 48111950000     |
| GPN 481 C 1219 | 132  | 118,7 | 122   | 121,2 | 122,2 | 31,3 | 24 | 91 | 48112190000     |
| GPN 481 C 1231 | 142  | 119,9 | 123,3 | 122,6 | 123,5 | 31,3 | 24 | 96 | 48112310000     |
| GPN 481 C 1256 | 142  | 122,4 | 125,7 | 124,9 | 125,9 | 31,3 | 24 | 96 | 48112560000     |
| GPN 481 C 1280 | 142  | 124,5 | 128   | 127,3 | 128,3 | 31,3 | 24 | 96 | 48112800000     |
| GPN 481 C 1306 | 142  | 127,5 | 130,7 | 130   | 131   | 31,3 | 24 | 96 | 48113060000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.





**More resource-saving.**

Up to 70 % less material input.



**Saves time.**

With practical tab for fast removal.



**More versatile.**

Can be used as plug or cap.



**Stackable.**

Up to 75 % less transport and storage volume due to stackable design.



**Seals better.**

Protection against foreign objects >1 mm



# Tapered Plugs GPN 500

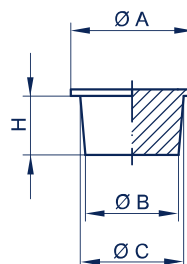
## Application

The GPN 500 tapered plugs offers protection for small internal threads and bore holes against dirt and damage. The solid design is suitable for high loads. The conical shape of the tapered plugs allows tolerances to be accommodated.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



| PCR-PE<br>blue | PCR-PE / PE-LD<br>yellow | PE-LD<br>natural |
|----------------|--------------------------|------------------|
| 100% PCR       | Recycling blend          | Virgin material  |
| 5000031RB61    | 50000311073              | 50000310000      |
| 5000041RB61    | 50000411073              | 50000410000      |
| 5000043RB61    | 50000431073              | 50000430000      |
| 5000047RB61    | 50000471073              | 50000470000      |
| 5000053RB61    | 50000531073              | 50000530000      |
| 5000058RB61    | 50000581073              | 50000580000      |
| 5000064RB61    | 50000641073              | 50000640000      |
| 5000068RB61    | 50000681073              | 50000680000      |
| 5000078RB61    | 50000781073              | 50000780000      |

| Article      | Thread    | A   | B   | C   | H | 100% PCR    | Recycling blend | Virgin material |
|--------------|-----------|-----|-----|-----|---|-------------|-----------------|-----------------|
| GPN 500 B 31 | M 4       | 5,5 | 3,2 | 3,5 | 3 | 5000031RB61 | 50000311073     | 50000310000     |
| GPN 500 B 41 | M 5       | 7,5 | 4,1 | 4,5 | 3 | 5000041RB61 | 50000411073     | 50000410000     |
| GPN 500 B 43 | M 5 x 0,5 | 8   | 4,4 | 4,7 | 3 | 5000043RB61 | 50000431073     | 50000430000     |
| GPN 500 B 47 | M 6       | 8   | 4,9 | 5,4 | 4 | 5000047RB61 | 50000471073     | 50000470000     |
| GPN 500 B 53 | M 6 x 0,5 | 8,5 | 5,4 | 5,6 | 3 | 5000053RB61 | 50000531073     | 50000530000     |
| GPN 500 B 58 | M 7       | 9   | 5,8 | 6,1 | 4 | 5000058RB61 | 50000581073     | 50000580000     |
| GPN 500 B 64 | M 8       | 9   | 6,4 | 6,8 | 4 | 5000064RB61 | 50000641073     | 50000640000     |
| GPN 500 B 68 | M 8 x 1   | 10  | 6,8 | 7,2 | 4 | 5000068RB61 | 50000681073     | 50000680000     |
| GPN 500 B 78 | M 9 x 1   | 11  | 7,8 | 8,2 | 4 | 5000078RB61 | 50000781073     | 50000780000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More robust.

Solid design for higher demands.



### More versatile.

Tapered plug to accommodate tolerances.



### Better.

For closing internal threads and bore holes.



### Seals better.

Protection against foreign objects > 1 mm



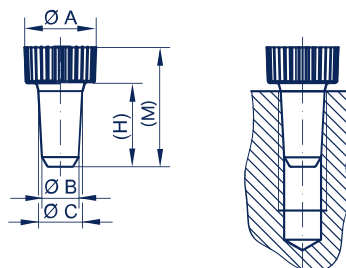


www.blauer-engel.de/uz30a

## Application

The GPN 550 screw-in plugs offers protection for threads and bore holes against dirt and damage and are particularly suitable for painting. The thick-walled shank can be screwed into threads in a self-tapping manner. The conical shape of the screw-in plugs allows tolerances to be accommodated.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**



**PCR-PE / PE-LD  
yellow**



**PE-LD  
yellow**

| Article       | Thread | A    | B   | C    | H  | M  | 100% PCR    | Recycling blend | Virgin material |
|---------------|--------|------|-----|------|----|----|-------------|-----------------|-----------------|
| GPN 550 / 002 | M 2    | 7    | 1,3 | 2    | 7  | 14 | 5500002RB61 | 55000020073     | 55000020000     |
| GPN 550 / 003 | M 3    | 7    | 2,1 | 3    | 12 | 19 |             |                 | 55000030000     |
| GPN 550 / 004 | M 4    | 8    | 2,8 | 4    | 15 | 22 | 5500004RB61 | 55000040073     | 55000040000     |
| GPN 550 / 005 | M 5    | 9    | 3,6 | 5    | 18 | 27 | 5500005RB61 | 55000050073     | 55000050000     |
| GPN 550 / 006 | M 6    | 11   | 4,3 | 5,8  | 18 | 27 | 5500006RB61 | 55000060073     | 55000060000     |
| GPN 550 / 007 | M 7    | 10,5 | 5   | 6,5  | 18 | 27 | 5500007RB61 | 55000070073     | 55000070000     |
| GPN 550 / 008 | M 8    | 14   | 6   | 7,5  | 18 | 27 | 5500008RB61 | 55000080073     | 55000080000     |
| GPN 550 / 009 | M 9    | 14   | 6,5 | 8,5  | 18 | 27 | 5500009RB61 | 55000090073     | 55000090000     |
| GPN 550 / 010 | M 10   | 16   | 7,6 | 9,3  | 21 | 30 | 5500010RB61 | 55000100073     | 55000100000     |
| GPN 550 / 012 | M 12   | 18   | 9,3 | 11,3 | 21 | 30 | 5500012RB61 | 55000120073     | 55000120000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More robust.

Thick-walled shaft for increased demands.



### More versatile.

Tapered plug to accommodate tolerances.



### Better.

Self-tapping plug for tight closure of threads or bore holes. Ideal for painting processes.



### Seals better.

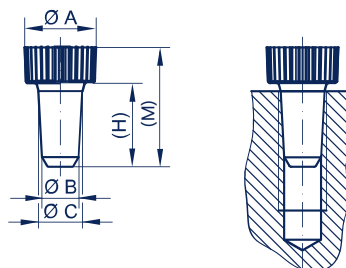
Protection against foreign objects > 1 mm





## Application

The GPN 551 screw-in plugs offer protection for threads and bore holes against dirt and damage and are particularly suitable for painting. The thick-walled shank can be screwed into threads in a self-tapping manner. The conical shape of the screw-in plugs allows tolerances to be accommodated. The material is heat-resistant up to 180° C for short periods.



**PHT / TPC-ET  
red**

| Article       | Thread | A    | B   | C   | H  | M  | Virgin material |
|---------------|--------|------|-----|-----|----|----|-----------------|
| GPN 551 / 002 | M 2    | 7    | 1,3 | 2   | 7  | 14 | 55100020000     |
| GPN 551 / 003 | M 3    | 7    | 2,1 | 3   | 12 | 19 | 55100030000     |
| GPN 551 / 004 | M 4    | 8    | 2,8 | 4   | 15 | 22 | 55100040000     |
| GPN 551 / 005 | M 5    | 9    | 3,6 | 5   | 18 | 27 | 55100050000     |
| GPN 551 / 006 | M 6    | 11   | 4,3 | 5,8 | 18 | 27 | 55100060000     |
| GPN 551 / 007 | M 7    | 10,5 | 5   | 6,5 | 18 | 27 | 55100070000     |
| GPN 551 / 008 | M 8    | 14   | 6   | 7,5 | 18 | 27 | 55100080000     |
| GPN 551 / 009 | M 9    | 14   | 6,5 | 8,5 | 18 | 27 | 55100090000     |
| GPN 551 / 010 | M 10   | 16   | 7,6 | 9,3 | 21 | 30 | 55100100000     |
| GPN 551 / 012 | M 12   | 18   | 9,3 | 11  | 21 | 30 | 55100120000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Higher temperature resistance.

Heat resistant to 120 °C.



### More robust.

Thick-walled shaft for increased demands.



### More versatile.

Tapered plug to accommodate tolerances.



### Better.

Self-tapping plug for tight closure of threads or bore holes. Ideal for painting processes.



### Seals better.

Protection against foreign objects >1 mm



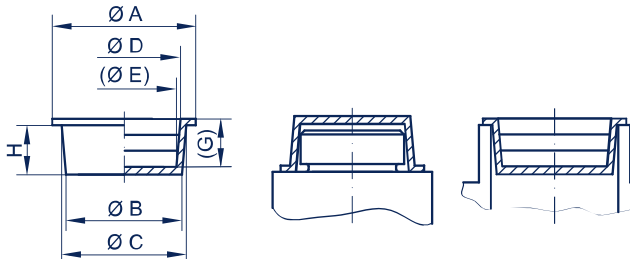
## Application

The GPN 600 tapered closures can be used universally as a plug or cap and are suitable for closing off bore holes and internal threads, or to protect bolts and external threads. The conical shape is ideal for accommodating tolerances.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



**PCR-PE  
blue**

**PCR-PE / PE-LD  
yellow**

**PE-LD  
natural**

| Article       | A    | B    | C    | D    | E    | G    | H    | 100% PCR    | Recycling blend | Virgin material |
|---------------|------|------|------|------|------|------|------|-------------|-----------------|-----------------|
| GPN 600 B 81  | 11   | 8,1  | 9,2  | 7,8  | 6,6  | 7    | 7,2  | 6000081RB61 | 60000811073     | 60000810000     |
| GPN 600 B 98  | 12   | 9,8  | 11   | 9,6  | 8,4  | 7    | 7,2  | 6000098RB61 | 60000981073     | 60000980000     |
| GPN 600 B 106 | 14   | 10,6 | 11,6 | 10   | 8,8  | 6,9  | 7    | 6000106RB61 | 60001061073     | 60001060000     |
| GPN 600 B 114 | 15   | 11,4 | 12,4 | 11,2 | 10   | 6,8  | 7    | 6000114RB61 | 60001141073     | 60001140000     |
| GPN 600 B 133 | 16   | 13,3 | 14,4 | 12,8 | 11,6 | 6,8  | 7    | 6000133RB61 | 60001331073     | 60001330000     |
| GPN 600 B 140 | 17   | 14   | 15,1 | 13,6 | 12,4 | 6,9  | 7,2  | 6000140RB61 | 60001401073     | 60001400000     |
| GPN 600 B 146 | 18   | 14,6 | 15,6 | 14,5 | 13,3 | 6,9  | 7,2  | 6000146RB61 | 60001461073     | 60001460000     |
| GPN 600 B 153 | 18   | 15,3 | 16,4 | 14,8 | 13,6 | 7    | 7    | 6000153RB61 | 60001531073     | 60001530000     |
| GPN 600 B 160 | 20   | 16   | 17,3 | 16,2 | 14,6 | 8,8  | 9    | 6000160RB61 | 60001601073     | 60001600000     |
| GPN 600 B 174 | 21   | 17,4 | 18,8 | 18   | 16,4 | 8,8  | 9,2  | 6000174RB61 | 60001741073     | 60001740000     |
| GPN 600 B 182 | 22   | 18,2 | 19,6 | 18,8 | 17,3 | 8,8  | 9    | 6000182RB61 | 60001821073     | 60001820000     |
| GPN 600 B 187 | 24   | 18,7 | 20   | 19   | 17,7 | 8,7  | 9,2  | 6000187RB61 | 60001871073     | 60001870000     |
| GPN 600 B 198 | 24   | 19,8 | 21,2 | 19,7 | 18,3 | 8,8  | 8,8  | 6000198RB61 | 60001981073     | 60001980000     |
| GPN 600 B 203 | 25   | 20,3 | 22,6 | 20,8 | 18,4 | 13,8 | 14   | 6000203RB61 | 60002031073     | 60002030000     |
| GPN 600 B 212 | 26   | 21,2 | 23,3 | 22   | 19,6 | 14   | 14,2 | 6000212RB61 | 60002121073     | 60002120000     |
| GPN 600 B 230 | 28   | 23   | 25   | 24   | 21,6 | 13,8 | 14   | 6000230RB61 | 60002301073     | 60002300000     |
| GPN 600 B 243 | 30   | 24,3 | 26,4 | 25   | 22,6 | 13,6 | 14   | 6000243RB61 | 60002431073     | 60002430000     |
| GPN 600 B 257 | 30   | 25,7 | 27,8 | 26,8 | 24,4 | 13,8 | 14,2 | 6000257RB61 | 60002571073     | 60002570000     |
| GPN 600 B 272 | 32   | 27,2 | 29,3 | 27   | 24,6 | 13,8 | 14   | 6000272RB61 | 60002721073     | 60002720000     |
| GPN 600 B 300 | 35   | 30   | 32   | 30,6 | 28,4 | 13,8 | 14   | 6000300RB61 | 60003001073     | 60003000000     |
| GPN 600 B 320 | 38   | 32   | 34   | 32   | 29,6 | 14   | 14   | 6000320RB61 | 60003201073     | 60003200000     |
| GPN 600 B 336 | 40   | 33,6 | 36   | 34   | 31,6 | 15   | 14   | 6000336RB61 | 60003361073     | 60003360000     |
| GPN 600 B 345 | 41   | 34,5 | 37   | 35   | 32,6 | 14   | 14   | 6000345RB61 | 60003451073     | 60003450000     |
| GPN 600 B 355 | 42   | 35,5 | 38,1 | 35,5 | 33,1 | 14   | 14   | 6000355RB61 | 60003551073     | 60003550000     |
| GPN 600 B 360 | 42   | 36,2 | 38,4 | 36   | 33,6 | 14   | 14   | 6000360RB61 | 60003601073     | 60003600000     |
| GPN 600 B 379 | 44   | 37,9 | 40   | 38   | 35,6 | 13,8 | 13,8 | 6000379RB61 | 60003791073     | 60003790000     |
| GPN 600 B 385 | 43   | 38,5 | 41   | 39,5 | 37,1 | 14   | 14   | 6000385RB61 | 60003851073     | 60003850000     |
| GPN 600 B 398 | 46   | 39,8 | 42   | 39,5 | 37,1 | 14   | 14   | 6000398RB61 | 60003981073     | 60003980000     |
| GPN 600 B 413 | 47   | 41,3 | 43,5 | 41,5 | 39,1 | 14   | 14   | 6000413RB61 | 60004131073     | 60004130000     |
| GPN 600 B 439 | 51,5 | 43,9 | 46   | 42   | 40,2 | 13,6 | 13,5 | 6000439RB61 | 60004391073     | 60004390000     |
| GPN 600 B 455 | 52   | 45,5 | 47,5 | 45   | 43   | 13,6 | 13,5 | 6000455RB61 | 60004551073     | 60004550000     |
| GPN 600 B 479 | 54   | 47,9 | 50   | 46,5 | 44,1 | 13,6 | 13,5 | 6000479RB61 | 60004791073     | 60004790000     |
| GPN 600 B 498 | 56   | 49,8 | 51,6 | 48,5 | 46,1 | 13,5 | 13,3 | 6000498RB61 | 60004981073     | 60004980000     |
| GPN 600 B 505 | 55   | 50,5 | 53,3 | 51,3 | 48,8 | 14,2 | 14   | 6000505RB61 | 60005051073     | 60005050000     |
| GPN 600 B 525 | 58   | 52,5 | 54,9 | 52,5 | 50,6 | 13,5 | 13,5 | 6000525RB61 | 60005251073     | 60005250000     |
| GPN 600 B 545 | 60   | 54,5 | 56,2 | 54   | 51,6 | 13,5 | 13,5 | 6000545RB61 | 60005451073     | 60005450000     |
| GPN 600 B 555 | 61   | 55,5 | 58   | 55   | 52,6 | 13,5 | 13,6 | 6000555RB61 | 60005551073     | 60005550000     |
| GPN 600 B 570 | 63   | 57   | 59   | 56,8 | 54,5 | 13,5 | 13,4 | 6000570RB61 | 60005701073     | 60005700000     |
| GPN 600 B 585 | 64   | 58,5 | 60,8 | 58   | 55,6 | 13,5 | 13,5 | 6000585RB61 | 60005851073     | 60005850000     |
| GPN 600 B 605 | 66   | 60,5 | 63   | 60   | 57,6 | 14   | 13,5 | 6000605RB61 | 60006051073     | 60006050000     |
| GPN 600 B 613 | 67   | 61,3 | 63,5 | 61   | 58,6 | 13,5 | 13   | 6000613RB61 | 60006131073     | 60006130000     |
| GPN 600 B 625 | 68   | 62,5 | 64,8 | 62   | 59,6 | 13,5 | 13,2 | 6000625RB61 | 60006251073     | 60006250000     |
| GPN 600 B 635 | 69   | 63,5 | 65,7 | 63   | 60,1 | 13,5 | 13   | 6000635RB61 | 60006351073     | 60006350000     |
| GPN 600 B 650 | 71   | 65   | 67,3 | 64,5 | 62,3 | 13,3 | 13   | 6000650RB61 | 60006501073     | 60006500000     |
| GPN 600 B 660 | 72   | 66   | 67,5 | 65   | 62,6 | 13   | 13   | 6000660RB61 | 60006601073     | 60006600000     |
| GPN 600 B 679 | 73   | 67,9 | 69,5 | 66   | 64,6 | 13,5 | 12,8 | 6000679RB61 | 60006791073     | 60006790000     |
| GPN 600 B 698 | 75   | 69,8 | 71,7 | 68   | 66   | 13,5 | 13   | 6000698RB61 | 60006981073     | 60006980000     |
| GPN 600 B 715 | 77   | 71,5 | 73,4 | 70   | 67,6 | 13   | 13   | 6000715RB61 | 60007151073     | 60007150000     |
| GPN 600 B 728 | 79   | 72,8 | 74   | 70   | 67,6 | 13,5 | 13   | 6000728RB61 | 60007281073     | 60007280000     |
| GPN 600 B 740 | 85   | 74   | 76,6 | 73   | 69,9 | 17   | 17   | 6000740RB61 | 60007401073     | 60007400000     |
| GPN 600 B 765 | 87   | 76,5 | 79   | 76,5 | 73,4 | 17,2 | 16,8 | 6000765RB61 | 60007651073     | 60007650000     |
| GPN 600 B 775 | 88   | 77,5 | 80   | 76   | 72,9 | 17,2 | 17   | 6000775RB61 | 60007751073     | 60007750000     |
| GPN 600 B 790 | 90   | 79   | 82   | 78   | 75,4 | 17,2 | 17   | 6000790RB61 | 60007901073     | 60007900000     |
| GPN 600 B 815 | 92   | 81,5 | 83,6 | 80   | 76,9 | 17   | 16,5 | 6000815RB61 | 60008151073     | 60008150000     |



# Tapered Closures

## GPN 600



| Article         | A     | B     | C     | D     | E     | G    | H    | PCR-PE blue | PCR-PE / PE-LD yellow | PE-LD natural   |
|-----------------|-------|-------|-------|-------|-------|------|------|-------------|-----------------------|-----------------|
|                 |       |       |       |       |       |      |      | 100% PCR    | Recycling blend       | Virgin material |
| GPN 600 B 820   | 89    | 82    | 86    | 83,9  | 79,7  | 23,5 | 23   | 6000820RB61 | 60008201073           | 60008200000     |
| GPN 600 B 840   | 95    | 84    | 87,1  | 83    | 79,9  | 17   | 16,5 | 6000840RB61 | 60008401073           | 60008400000     |
| GPN 600 B 865   | 97    | 86,5  | 89    | 86    | 82,9  | 18   | 17,5 | 6000865RB61 | 60008651073           | 60008650000     |
| GPN 600 B 890   | 100   | 89    | 91,5  | 89    | 86,5  | 17,5 | 17   | 6000890RB61 | 60008901073           | 60008900000     |
| GPN 600 B 915   | 102   | 91,5  | 94    | 92    | 88,9  | 17,5 | 17   |             |                       | 60009150000     |
| GPN 600 B 940   | 105   | 94    | 96    | 92    | 90    | 17,5 | 17   |             |                       | 60009400000     |
| GPN 600 B 965   | 107   | 96,5  | 99    | 96    | 93,5  | 17,5 | 17   |             |                       | 60009650000     |
| GPN 600 B 990   | 110   | 99    | 102,5 | 99    | 95,9  | 17,5 | 17   |             |                       | 60009900000     |
| GPN 600 B 1015  | 112   | 101,5 | 104   | 102   | 98,9  | 17,3 | 17   |             |                       | 60010150000     |
| GPN 600 B 1040  | 115   | 104   | 106,5 | 104   | 100,9 | 17,5 | 17   |             |                       | 60010400000     |
| GPN 600 B 1065  | 117   | 106,5 | 109   | 106   | 102,9 | 17,2 | 17   |             |                       | 60010650000     |
| GPN 600 B 1090  | 120   | 109   | 111   | 108   | 105   | 17,5 | 17   |             |                       | 60010900000     |
| GPN 600 B 1120  | 123   | 112   | 114,5 | 112,5 | 109,4 | 17   | 17   |             |                       | 60011200000     |
| GPN 600 B 1140  | 125   | 114   | 117   | 114,5 | 111,4 | 17,2 | 16,6 |             |                       | 60011400000     |
| GPN 600 B 1143  | 124,5 | 114,3 | 119,2 | 117,1 | 112,1 | 28,7 | 28   |             |                       | 60011430000     |
| GPN 600 B 1190  | 130   | 119   | 123   | 120,2 | 116,1 | 23   | 23   |             |                       | 60011900000     |
| GPN 600 B 1240  | 134   | 124   | 128   | 123   | 119,1 | 23   | 23   |             |                       | 60012400000     |
| GPN 600 B 1275  | 137,6 | 127,5 | 130,6 | 127,6 | 123,6 | 22,5 | 23   |             |                       | 60012750000     |
| GPN 600 B 1290  | 140   | 129   | 133   | 130,2 | 126,1 | 23,5 | 23   |             |                       | 60012900000     |
| GPN 600 B 1330  | 143   | 134,5 | 137   | 133   | 129   | 22,5 | 23   |             |                       | 60013300000     |
| GPN 600 B 1390  | 149   | 139   | 143   | 139   | 135   | 23   | 23   |             |                       | 60013900000     |
| GPN 600 B 1468  | 159,5 | 146,8 | 152,6 | 149,9 | 144   | 33,5 | 33   |             |                       | 60014680000     |
| GPN 600 B 1490  | 159   | 149   | 153   | 148   | 144,1 | 23,3 | 23   |             |                       | 60014900000     |
| GPN 600 B 1535  | 163,6 | 153,5 | 157,5 | 153,6 | 149,6 | 23   | 23   |             |                       | 60015350000     |
| GPN 600 B 1590  | 169   | 159   | 162   | 158   | 154   | 23   | 23   |             |                       | 60015900000     |
| GPN 600 B 1600  | 170   | 160   | 164   | 160   | 156   | 23   | 23   |             |                       | 60016000000     |
| GPN 600 B 1690  | 179   | 169   | 172   | 168   | 164   | 23   | 23   |             |                       | 60016900000     |
| GPN 600 B 1740  | 184   | 174   | 177   | 173   | 169   | 22,5 | 23   |             |                       | 60017400000     |
| GPN 600 B 1790  | 189   | 179   | 182   | 178   | 174   | 23   | 23   |             |                       | 60017900000     |
| GPN 600 B 1815  | 192   | 181,5 | 184,5 | 180,5 | 176,5 | 23   | 23   |             |                       | 60018150000     |
| GPN 600 B 1836  | 199,5 | 183,6 | 190,6 | 187,9 | 182   | 33,8 | 33   |             |                       | 60018360000     |
| GPN 600 B 1990  | 209   | 199   | 202   | 198   | 194   | 22,5 | 22,5 |             |                       | 60019900000     |
| GPN 600 B 2020  | 212   | 202   | 205   | 202,1 | 198,1 | 23   | 23   |             |                       | 60020200000     |
| GPN 600 B 2030  | 213   | 203   | 205   | 202   | 199   | 23   | 23   |             |                       | 60020300000     |
| GPN 600 B 2060  | 216   | 206   | 210,6 | 206   | 201,6 | 23,5 | 23,5 |             |                       | 60020600000     |
| GPN 600 B 2180  | 235   | 218   | 222   | 217,4 | 213,5 | 22,5 | 22,5 |             |                       | 60021800000     |
| GPN 600 B 2250* | 242   | 225   | 229   | 225,4 | 221,3 | 23   | 23,5 |             |                       | 60022500000     |
| GPN 600 B 2312  | 249,5 | 231,2 | 238,2 | 235,6 | 228,6 | 33,5 | 33   |             |                       | 60023120000     |
| GPN 600 B 2490  | 267   | 249   | 252   | 248   | 244,1 | 22,5 | 22,5 |             |                       | 60024900000     |
| GPN 600 B 2530  | 265   | 253   | 258   | 253   | 249,2 | 18   | 18   |             |                       | 60025300000     |
| GPN 600 B 2934  | 314   | 293,4 | 300,2 | 296,7 | 289,8 | 33   | 32,5 |             |                       | 60029340000     |
| GPN 600 B 2990  | 315   | 299   | 304   | 298   | 294,1 | 22,5 | 22,5 |             |                       | 60029900000     |
| GPN 600 B 3080  | 326   | 308   | 313   | 308   | 303,4 | 21,8 | 21,8 |             |                       | 60030800000     |
| GPN 600 B 3110  | 329   | 311   | 316   | 311   | 306,4 | 21,7 | 22   |             |                       | 60031100000     |
| GPN 600 B 3380  | 358   | 338   | 343   | 338   | 333,4 | 21,8 | 22   |             |                       | 60033800000     |
| GPN 600 B 3719* | 399   | 371,9 | 381   | 377,7 | 368,4 | 32,8 | 32,5 |             |                       | 60037190000     |
| GPN 600 B 3980  | 415   | 398   | 406   | 399   | 392,7 | 29,8 | 30   |             |                       | 60039800000     |
| GPN 600 B 4350  | 455   | 435   | 443   | 437   | 430,7 | 30   | 30   |             |                       | 60043500000     |
| GPN 600 B 4654  | 499   | 465,4 | 476,7 | 472,8 | 461,3 | 33   | 32   |             |                       | 60046540000     |
| GPN 600 B 4840  | 506   | 484   | 491   | 486   | 479,7 | 30   | 30   |             |                       | 60048400000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

\*These sizes are supplied with hole.

## Application guide for internal use

| Article       | Standard thread |          | Fine thread |          |          |          | Pipe thread |
|---------------|-----------------|----------|-------------|----------|----------|----------|-------------|
| GPN 600 B 81  | M 10            | M 10 x 1 |             |          |          |          | G 1/8       |
| GPN 600 B 98  | M 12            |          | M 12 x 1,5  |          |          |          |             |
| GPN 600 B 106 |                 | M 12 x 1 |             |          |          |          |             |
| GPN 600 B 114 | M 14            |          |             |          |          |          | G 1/4       |
| GPN 600 B 133 | M 16            | M 15 x 1 |             |          |          |          |             |
| GPN 600 B 146 | M 18            |          |             |          |          |          | G 3/8       |
| GPN 600 B 153 |                 | M 17 x 1 |             | M 18 x 2 |          |          |             |
| GPN 600 B 174 |                 |          | M 20 x 1,5  | M 20 x 2 |          |          |             |
| GPN 600 B 182 |                 | M 20 x 1 |             |          |          |          | G 1/2       |
| GPN 600 B 187 | M 22            |          |             |          |          |          |             |
| GPN 600 B 198 | M 24            |          | M 22 x 1,5  |          |          |          | G 5/8       |
| GPN 600 B 203 |                 |          |             | M 24 x 2 |          |          |             |
| GPN 600 B 212 |                 |          | M 24 x 1,5  |          |          |          |             |
| GPN 600 B 230 | M 27            |          | M 26 x 1,5  | M 26 x 2 |          |          | G 3/4       |
| GPN 600 B 243 |                 | M 27 x 1 | M 27 x 1,5  | M 28 x 2 |          |          |             |
| GPN 600 B 257 | M 30            | M 28 x 1 | M 28 x 1,5  |          | M 30 x 3 |          |             |
| GPN 600 B 272 |                 |          | M 30 x 1,5  | M 30 x 2 | M 32 x 3 |          | G 7/8       |
| GPN 600 B 300 |                 | M 32 x 1 | M 33 x 1,5  | M 33 x 2 | M 34 x 3 |          |             |
| GPN 600 B 320 |                 | M 34 x 1 | M 35 x 1,5  | M 35 x 2 | M 36 x 3 |          |             |
| GPN 600 B 336 | M 39            | M 36 x 1 | M 36 x 1,5  | M 37 x 2 | M 38 x 3 |          | G 1 1/8     |
| GPN 600 B 345 |                 | M 37 x 1 | M 37 x 1,5  | M 38 x 2 | M 39 x 3 | M 40 x 4 |             |
| GPN 600 B 355 | M 42            | M 38 x 1 | M 38 x 1,5  | M 39 x 2 | M 40 x 3 |          |             |
| GPN 600 B 360 | M 42            |          | M 39 x 1,5  | M 39 x 2 |          | M 42 x 4 |             |
| GPN 600 B 379 |                 | M 40 x 1 | M 40 x 1,5  | M 42 x 2 | M 42 x 3 |          | G 1 1/4     |

Link to GPN 600



# Tapered Closures

## GPN 600

| Article        | Standard thread |          |            | Fine thread |           |           | Pipe thread |
|----------------|-----------------|----------|------------|-------------|-----------|-----------|-------------|
| GPN 600 B 385  | M 45            |          | M 42 x 1,5 |             |           |           |             |
| GPN 600 B 398  |                 | M 42 x 1 |            |             | M 45 x 3  | M 45 x 4  |             |
| GPN 600 B 413  | M 48            |          |            | M 45 x 2    |           |           | G 1 3/8     |
| GPN 600 B 439  |                 |          |            |             | M 48 x 3  |           | G 1 1/2     |
| GPN 600 B 455  | M 52            | M 48 x 1 | M 48 x 1,5 |             | M 50 x 3  |           |             |
| GPN 600 B 479  |                 | M 50 x 1 | M 50 x 1,5 |             | M 52 x 3  |           | G 1 3/4     |
| GPN 600 B 498  |                 | M 52 x 1 |            |             |           | M 55 x 4  |             |
| GPN 600 B 505  |                 |          |            |             | M 55 x 3  | M 56 x 4  |             |
| GPN 600 B 525  | M 60            | M 55 x 1 | M 55 x 1,5 | M 56 x 2    |           | M 58 x 4  |             |
| GPN 600 B 545  |                 |          |            |             |           | M 60 x 4  |             |
| GPN 600 B 555  |                 | M 58 x 1 | M 58 x 1,5 |             | M 60 x 3  |           | G 2         |
| GPN 600 B 570  |                 |          | M 60 x 1,5 | M 60 x 2    |           | M 62 x 4  |             |
| GPN 600 B 585  |                 |          |            | M 62 x 2    |           | M 64 x 4  |             |
| GPN 600 B 605  | M 68            |          |            | M 64 x 2    | M 65 x 3  |           |             |
| GPN 600 B 613  |                 |          | M 64 x 1,5 | M 65 x 2    |           |           | G 2 1/4     |
| GPN 600 B 625  |                 | M 64 x 1 |            |             |           | M 64 x 4  |             |
| GPN 600 B 635  |                 |          |            |             | M 68 x 3  |           |             |
| GPN 600 B 650  |                 |          |            | M 68 x 2    |           |           |             |
| GPN 600 B 679  |                 |          |            |             | M 72 x 3  |           |             |
| GPN 600 B 715  |                 |          |            | M 75 x 2    |           |           | G 2 1/2     |
| GPN 600 B 728  |                 |          |            | M 76 x 2    |           |           |             |
| GPN 600 B 740  |                 |          |            |             |           | M 80 x 4  | M 80 x 6    |
| GPN 600 B 765  |                 |          |            | M 80 x 2    |           |           |             |
| GPN 600 B 775  |                 |          |            |             |           | M 85 x 6  | G 2 3/4     |
| GPN 600 B 790  |                 |          |            |             |           | M 85 x 4  |             |
| GPN 600 B 815  |                 |          |            | M 85 x 2    |           |           | G 3         |
| GPN 600 B 820  |                 |          |            |             |           | M 90 x 4  | M 90 x 6    |
| GPN 600 B 840  |                 |          |            |             |           |           | M 95 x 6    |
| GPN 600 B 865  |                 |          |            | M 90 x 2    |           |           | G 3 1/4     |
| GPN 600 B 890  |                 |          |            |             |           | M 95 x 4  |             |
| GPN 600 B 915  |                 |          |            | M 95 x 2    |           |           | M 100 x 6   |
| GPN 600 B 940  |                 |          |            |             |           | M 100 x 4 |             |
| GPN 600 B 965  |                 |          |            | M 100 x 2   |           |           | M 105 x 6   |
| GPN 600 B 990  |                 |          |            |             |           | M 105 x 4 | G 3 1/2     |
| GPN 600 B 1015 |                 |          |            | M 105 x 2   |           |           | M 110 x 6   |
| GPN 600 B 1040 |                 |          |            |             |           | M 110 x 4 |             |
| GPN 600 B 1065 |                 |          |            | M 110 x 2   |           |           | M 115 x 6   |
| GPN 600 B 1090 |                 |          |            |             |           | M 115 x 4 | G 4         |
| GPN 600 B 1120 |                 |          |            | M 115 x 2   |           |           | M 120 x 6   |
| GPN 600 B 1140 |                 |          |            |             |           | M 120 x 4 |             |
| GPN 600 B 1143 |                 |          |            | M 120 x 2   |           |           | M 125 x 6   |
| GPN 600 B 1190 |                 |          |            |             |           | M 125 x 4 |             |
| GPN 600 B 1240 |                 |          |            |             |           | M 130 x 4 |             |
| GPN 600 B 1275 |                 |          |            |             |           |           | M 135 x 6   |
| GPN 600 B 1330 |                 |          |            |             |           | M 140 x 4 | G 5         |
| GPN 600 B 1468 |                 |          |            |             |           |           | M 155 x 6   |
| GPN 600 B 1490 |                 |          |            |             | M 155 x 3 |           | G 5 1/2     |
| GPN 600 B 1535 |                 |          |            |             | M 160 x 3 |           |             |
| GPN 600 B 1590 |                 |          |            |             |           |           | G 6         |
| GPN 600 B 1600 |                 |          |            |             | M 165 x 3 |           | M 170 x 6   |
| GPN 600 B 1815 |                 |          |            |             |           |           | M 190 x 6   |
| GPN 600 B 1836 |                 |          |            |             | M 190 x 3 |           | M 195 x 6   |
| GPN 600 B 2020 |                 |          |            |             |           |           | M 210 x 6   |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.

## Application guide for exterior use

| Article       | Standard thread |            |            | Fine thread |          |          | Pipe thread |
|---------------|-----------------|------------|------------|-------------|----------|----------|-------------|
| GPN 600 B 81  | M 7             |            |            |             |          |          |             |
| GPN 600 B 98  | M 9             | M 9 x 1    |            |             |          |          |             |
| GPN 600 B 114 |                 | M 10,5 x 1 |            |             |          |          |             |
| GPN 600 B 133 | M 12            | M 12 x 1   | M 12 x 1,5 |             |          |          |             |
| GPN 600 B 140 |                 | M 13 x 1   | M 13 x 1,5 |             |          |          |             |
| GPN 600 B 146 | M 14            | M 14 x 1   | M 14 x 1,5 |             |          |          |             |
| GPN 600 B 160 |                 | M 15 x 1   | M 15 x 1,5 |             |          |          |             |
| GPN 600 B 174 |                 | M 17 x 1   |            |             |          |          |             |
| GPN 600 B 182 | M 18            | M 18 x 1   | M 18 x 1,5 | M 18 x 2    |          |          |             |
| GPN 600 B 203 |                 | M 19 x 1   | M 19 x 1,5 | M 19 x 2    |          |          |             |
| GPN 600 B 212 |                 |            |            |             |          |          | G 1/2       |
| GPN 600 B 230 | M 22            | M 22 x 1   | M 22 x 1,5 | M 22 x 2    |          |          |             |
| GPN 600 B 243 | M 24            | M 24 x 1   | M 24 x 1,5 | M 24 x 2    |          |          |             |
| GPN 600 B 257 |                 | M 25 x 1   | M 25 x 1,5 | M 25 x 2    |          |          |             |
| GPN 600 B 272 |                 | M 26 x 1   | M 26 x 1,5 | M 26 x 2    |          |          |             |
| GPN 600 B 320 | M 30            | M 30 x 1   | M 30 x 1,5 | M 30 x 2    | M 30 x 3 |          | G 7/8       |
| GPN 600 B 336 |                 | M 32 x 1   | M 32 x 1,5 | M 32 x 2    | M 32 x 3 |          |             |
| GPN 600 B 345 | M 33            | M 33 x 1   | M 33 x 1,5 | M 33 x 2    | M 33 x 3 |          | G 1         |
| GPN 600 B 355 |                 | M 34 x 1   | M 34 x 1,5 | M 34 x 2    | M 34 x 3 |          |             |
| GPN 600 B 360 |                 |            | M 35 x 1,5 |             |          |          |             |
| GPN 600 B 385 |                 | M 38 x 1   | M 38 x 1,5 | M 38 x 2    | M 38 x 3 |          | G 1 1/8     |
| GPN 600 B 398 |                 | M 38 x 1   | M 38 x 1,5 | M 38 x 2    | M 38 x 3 |          | G 1 1/8     |
| GPN 600 B 413 |                 | M 40 x 1   | M 40 x 1,5 | M 40 x 2    | M 40 x 3 |          |             |
| GPN 600 B 479 | M 45            | M 45 x 1   | M 45 x 1,5 | M 45 x 2    | M 45 x 3 | M 45 x 4 |             |
| GPN 600 B 498 |                 |            |            |             |          |          | G 1 1/2     |
| GPN 600 B 505 |                 | M 50 x 1   | M 50 x 1,5 | M 50 x 2    | M 50 x 3 | M 50 x 4 |             |
| GPN 600 B 525 |                 | M 50 x 1   | M 50 x 1,5 | M 50 x 2    | M 50 x 3 | M 50 x 4 |             |
| GPN 600 B 555 |                 |            |            |             |          |          | G 1 3/4     |
| GPN 600 B 613 | M 60            | M 60 x 1   | M 60 x 1,5 | M 60 x 2    | M 60 x 3 | M 60 x 4 | G 2         |



# Tapered Closures

## GPN 600

| Article        | Standard thread |          |             | Fine thread |           |           | Pipe thread |         |
|----------------|-----------------|----------|-------------|-------------|-----------|-----------|-------------|---------|
| GPN 600 B 660  | M 64            | M 64 x 1 | M 64 x 1,5  | M 64 x 2    | M 64 x 3  | M 64 x 4  |             |         |
| GPN 600 B 679  |                 |          |             |             |           |           |             | G 2 1/4 |
| GPN 600 B 765  |                 | M 75 x 1 | M 75 x 1,5  | M 75 x 2    | M 75 x 3  | M 75 x 4  |             | G 2 1/2 |
| GPN 600 B 815  |                 | M 78 x 1 | M 78 x 1,5  | M 78 x 2    | M 78 x 3  | M 78 x 4  |             |         |
| GPN 600 B 840  |                 |          |             |             |           |           |             | G 2 3/4 |
| GPN 600 B 915  |                 |          | M 90 x 1,5  | M 90 x 2    | M 90 x 3  | M 90 x 4  | M 90 x 6    |         |
| GPN 600 B 1015 |                 |          | M 100 x 1,5 | M 100 x 2   | M 100 x 3 | M 100 x 4 | M 100 x 6   | G 3 1/2 |
| GPN 600 B 1040 |                 |          | M 102 x 1,5 | M 102 x 2   | M 102 x 3 | M 102 x 4 |             |         |
| GPN 600 B 1120 |                 |          | M 110 x 1,5 | M 110 x 2   | M 110 x 3 | M 110 x 4 | M 110 x 6   |         |
| GPN 600 B 1140 |                 |          | M 112 x 1,5 | M 112 x 2   | M 112 x 3 | M 112 x 4 |             |         |
| GPN 600 B 1143 |                 |          | M 115 x 1,5 | M 115 x 2   | M 115 x 3 | M 115 x 4 | M 115 x 6   | G 4     |
| GPN 600 B 1190 |                 |          | M 118 x 1,5 | M 118 x 2   | M 118 x 3 | M 118 x 4 |             |         |
| GPN 600 B 1240 |                 |          | M 120 x 1,5 | M 120 x 2   | M 120 x 3 | M 120 x 4 | M 120 x 6   |         |
| GPN 600 B 1275 |                 |          | M 125 x 1,5 | M 125 x 2   | M 125 x 3 | M 125 x 4 | M 125 x 6   | G 4 1/2 |
| GPN 600 B 1290 |                 |          | M 128 x 1,5 | M 128 x 2   | M 128 x 3 | M 128 x 4 |             |         |
| GPN 600 B 1330 |                 |          | M 130 x 1,5 | M 130 x 2   | M 130 x 3 | M 130 x 4 | M 130 x 6   |         |
| GPN 600 B 1468 |                 |          | M 145 x 1,5 | M 145 x 2   | M 145 x 3 | M 145 x 4 | M 145 x 6   |         |
| GPN 600 B 1490 |                 |          | M 145 x 1,5 | M 145 x 2   | M 145 x 3 | M 145 x 4 | M 145 x 6   |         |
| GPN 600 B 1535 |                 |          | M 150 x 1,5 | M 150 x 2   | M 150 x 3 | M 150 x 4 | M 150 x 6   | G 5 1/2 |
| GPN 600 B 1590 |                 |          | M 155 x 1,5 | M 155 x 2   | M 155 x 3 | M 155 x 4 | M 155 x 6   |         |
| GPN 600 B 1690 |                 |          | M 165 x 1,5 | M 165 x 2   | M 165 x 3 | M 165 x 4 | M 165 x 6   |         |
| GPN 600 B 1740 |                 |          | M 170 x 1,5 | M 170 x 2   | M 170 x 3 | M 170 x 4 | M 170 x 6   |         |
| GPN 600 B 1790 |                 |          | M 175 x 1,5 | M 175 x 2   | M 175 x 3 | M 175 x 4 | M 175 x 6   |         |
| GPN 600 B 1815 |                 |          | M 178 x 1,5 | M 178 x 2   | M 178 x 3 |           |             |         |
| GPN 600 B 1836 |                 |          | M 182 x 1,5 | M 182 x 2   | M 182 x 3 | M 182 x 4 |             |         |
| GPN 600 B 1990 |                 |          | M 195 x 1,5 | M 195 x 2   | M 195 x 3 | M 195 x 4 | M 195 x 6   |         |
| GPN 600 B 2020 |                 |          | M 200 x 1,5 | M 200 x 2   | M 200 x 3 | M 200 x 4 | M 200 x 6   |         |
| GPN 600 B 2030 |                 |          | M 200 x 1,5 | M 200 x 2   | M 200 x 3 | M 200 x 4 | M 200 x 6   |         |
| GPN 600 B 2180 |                 |          | M 215 x 1,5 | M 215 x 2   | M 215 x 3 | M 215 x 4 | M 215 x 6   |         |
| GPN 600 B 2312 |                 |          | M 230 x 1,5 | M 230 x 2   | M 230 x 3 | M 230 x 4 | M 230 x 6   |         |
| GPN 600 B 2490 |                 |          | M 245 x 1,5 | M 245 x 2   | M 245 x 3 | M 245 x 4 | M 245 x 6   |         |
| GPN 600 B 2530 |                 |          | M 250 x 1,5 | M 250 x 2   |           | M 250 x 4 | M 250 x 6   |         |
| GPN 600 B 2934 |                 |          | M 292 x 1,5 | M 292 x 2   |           | M 292 x 4 |             |         |
| GPN 600 B 2990 |                 |          | M 295 x 1,5 | M 295 x 2   |           | M 295 x 4 | M 295 x 6   |         |

This application table represents guide values. We will be happy to send you free trial samples. For bolts, pins and tube ends please select according to the functional dimensions D and E.

## Your added values:



### More versatile.

Can be used universally as plug or cap. The tapered design is ideal for accommodating tolerances.



### Better.

To close off bore holes and internal threads, or to protect studs and external threads.



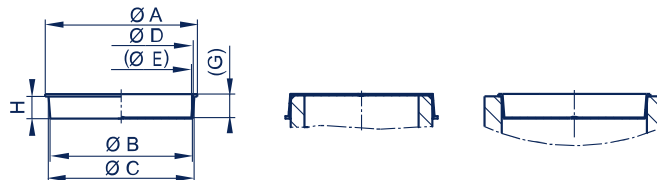
### Seals better.

Protection against foreign objects > 1 mm



## Application

The GPN 601 thin-walled plugs can be used as a cap or plug and are suitable for the protection of external threads or to close bore holes and openings. The thin-walled design results in faster assembly and disassembly and lower material consumption in production. The conical shape is ideal for accommodating tolerances.



**PE-LLD  
red**

| Article         | A   | B     | C     | D     | E     | G    | H    | Virgin material |
|-----------------|-----|-------|-------|-------|-------|------|------|-----------------|
| GPN 601 D 728   | 79  | 68,7  | 71,2  | 69,6  | 67,2  | 13,5 | 13,5 | 60107280000     |
| GPN 601 D 1055* | 110 | 103   | 105,5 | 104   | 102   | 17   | 16   | 60110550000     |
| GPN 601 D 1070  | 117 | 105   | 107   | 106   | 103,5 | 17,2 | 16   | 60110700000     |
| GPN 601 D 1090  | 117 | 107   | 109   | 108   | 106   | 19   | 17   | 60110900000     |
| GPN 601 D 1215  | 128 | 119,5 | 121,5 | 120   | 118   | 15,9 | 15,3 | 60112150000     |
| GPN 601 D 1230  | 130 | 120   | 123   | 121,5 | 118   | 24,4 | 23   | 60112300000     |
| GPN 601 D 1290  | 136 | 126   | 129   | 128   | 125   | 26,5 | 25   | 60112900000     |
| GPN 601 D 1306  | 136 | 128   | 130,6 | 129   | 127   | 24,2 | 23   | 60113060000     |
| GPN 601 D 1380  | 144 | 135   | 138   | 137   | 134   | 24,4 | 23   | 60113800000     |

Dimensions in mm.

\* This size is supplied with hole.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Saves time.

Easy handling due to being a thinner walled version of the GPN 600.



### More resource-saving.

Significantly lower material usage compared to other conical closures made of PE-LD or PE-LLD.



### More versatile.

Can be used universally as plug or cap. The tapered design is ideal for accommodating tolerances.



### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



### Better.

To close off bore holes and internal openings, or to protect studs and external threads.



### Seals better.

Protection against foreign objects >1 mm

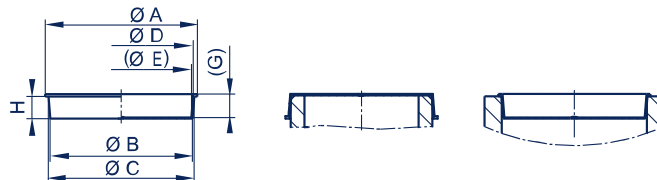


# Thin-Walled Tapered Closures

## GPN 602

### Application

The GPN 602 thin-walled plugs can be used as a cap or plug and are suitable for the protection of external threads or to close bore holes and openings. The thin-walled design results in faster assembly and disassembly and lower material consumption in production. The conical shape is ideal for accommodating tolerances.



**PP-C  
red**

| Article         | A     | B     | C     | D     | E     | G    | H  | Virgin material |
|-----------------|-------|-------|-------|-------|-------|------|----|-----------------|
| GPN 602 D 1055* | 110   | 103   | 105   | 104   | 102   | 17   | 16 | 60210550000     |
| GPN 602 D 1070  | 117   | 104,5 | 107   | 106   | 103,5 | 17,2 | 16 | 60210700000     |
| GPN 602 D 1090  | 117   | 106   | 109   | 107,5 | 106   | 18,4 | 17 | 60210900000     |
| GPN 602 D 1230  | 130   | 119,5 | 123   | 122   | 118   | 24,4 | 23 | 60212300000     |
| GPN 602 D 1290  | 136   | 126   | 129   | 128   | 125   | 26,5 | 25 | 60212900000     |
| GPN 602 D 1306  | 136,5 | 128   | 130,6 | 129   | 127   | 24,2 | 23 | 60213060000     |
| GPN 602 D 1380  | 144   | 135   | 138   | 137   | 134   | 24,4 | 23 | 60213800000     |

Dimensions in mm.

\* This size is supplied with hole.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



#### Saves time.

Easy handling due to being a thinner walled version of the GPN 600.



#### More resource-saving.

Significantly lower material usage compared to other conical closures made of PE-LD or PE-LLD.



#### More versatile.

Can be used universally as plug or cap. The tapered design is ideal for accommodating tolerances.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



#### Better.

To close off bore holes and internal openings, or to protect studs and external threads.



#### Seals better.

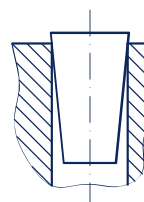
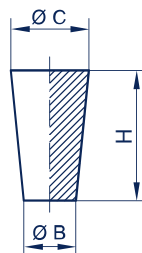
Protection against foreign objects > 1 mm



# Tapered Plugs GPN 605

## Application

The GPN 605 tapered plugs offer protection for openings, bore holes and internal threads against dirt and damage. The solid design is suitable for increased loads. The conical shape is ideal for accommodating tolerances. The material is extremely heat-resistant up to 250° C for short periods.



**SI**  
**natural**

| Article        | B   | C    | H    | Virgin material |
|----------------|-----|------|------|-----------------|
| GPN 605 / 0832 | 0,8 | 3,2  | 16   | 60508320000     |
| GPN 605 / 1632 | 1,6 | 3,2  | 16   | 60516320000     |
| GPN 605 / 1648 | 1,6 | 4,8  | 16   | 60516480000     |
| GPN 605 / 3263 | 3,2 | 6,3  | 19   | 60532630000     |
| GPN 605 / 4887 | 4,8 | 8,7  | 16   | 60548870000     |
| GPN 605 / 6395 | 6,3 | 9,5  | 19   | 60563950000     |
| GPN 605 / 6312 | 6,3 | 9,5  | 13   | 60563120000     |
| GPN 605 / 8011 | 8   | 11   | 27   | 60580110000     |
| GPN 605 / 9012 | 9   | 12   | 18   | 60590120000     |
| GPN 605 / 1013 | 10  | 13   | 18   | 60510130000     |
| GPN 605 / 1015 | 10  | 15   | 25   | 60510150000     |
| GPN 605 / 1114 | 11  | 14   | 18   | 60511140000     |
| GPN 605 / 1316 | 13  | 16   | 19   | 60513160000     |
| GPN 605 / 1317 | 13  | 17   | 25   | 60513170000     |
| GPN 605 / 1419 | 14  | 19   | 25   | 60514190000     |
| GPN 605 / 1620 | 16  | 20   | 25   | 60516200000     |
| GPN 605 / 1824 | 18  | 24   | 25   | 60518240000     |
| GPN 605 / 2026 | 20  | 26   | 25   | 60520260000     |
| GPN 605 / 2327 | 23  | 27   | 25   | 60523270000     |
| GPN 605 / 2428 | 24  | 28   | 25   | 60524280000     |
| GPN 605 / 2632 | 26  | 32   | 25   | 60526320000     |
| GPN 605 / 2734 | 27  | 34   | 25   | 60527340000     |
| GPN 605 / 3037 | 30  | 37   | 25   | 60530370000     |
| GPN 605 / 3139 | 31  | 39   | 25   | 60531390000     |
| GPN 605 / 3341 | 33  | 41   | 25   | 60533410000     |
| GPN 605 / 3643 | 36  | 43   | 25   | 60536430000     |
| GPN 605 / 3745 | 37  | 45   | 25   | 60537450000     |
| GPN 605 / 3846 | 38  | 46   | 25   | 60538460000     |
| GPN 605 / 4250 | 42  | 50   | 25   | 60542500000     |
| GPN 605 / 4553 | 45  | 53   | 25   | 60545530000     |
| GPN 605 / 4856 | 48  | 56   | 25   | 60548560000     |
| GPN 605 / 5060 | 50  | 60   | 45   | 60550600000     |
| GPN 605 / 5464 | 54  | 63,5 | 25,5 | 60554640000     |
| GPN 605 / 6275 | 62  | 75   | 35   | 60562750000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

Clear burrs as well as partial foreign particles are permissible with these articles. We recommend that functional tests be carried out before series production.

## Your added values:



### Higher temperature resistance.

Extremely heat resistant up to 250 °C



### More robust.

Solid design for higher demands.



### More versatile.

The tapered design is ideal for accommodating large tolerances.



### Better.

Suitable for closing off apertures, bore holes and internal threads.



### Seals better.

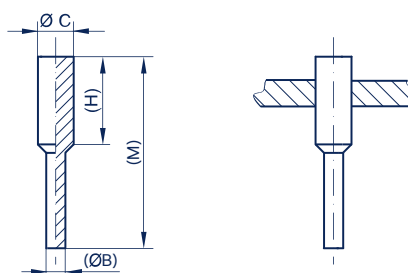
Protection against foreign objects >1 mm



# Pull Plugs GPN 606

## Application

The GPN 606 pull plugs offer protection for through holes with and without thread against dirt and damage. The pull tab enables easy installation and removal. The solid design is suitable for increased loads. The material is extremely heat-resistant up to 250° C for short periods.



**SI  
natural**

| Article        | B   | C    | H    | M    | Virgin material |
|----------------|-----|------|------|------|-----------------|
| GPN 606 / 0023 | 1,3 | 2,3  | 15,9 | 32,3 | 60600230000     |
| GPN 606 / 0033 | 2,2 | 3,3  | 15,9 | 32,3 | 60600330000     |
| GPN 606 / 0041 | 2,1 | 4,1  | 15,9 | 31,5 | 60600410000     |
| GPN 606 / 0050 | 2,8 | 5    | 15,9 | 35,5 | 60600500000     |
| GPN 606 / 0055 | 3,3 | 5,5  | 25,4 | 51,4 | 60600550000     |
| GPN 606 / 0070 | 3,2 | 7    | 23,8 | 47,6 | 60600700000     |
| GPN 606 / 0080 | 3,7 | 7,9  | 25,4 | 54,4 | 60600800000     |
| GPN 606 / 0085 | 3,9 | 8,5  | 25,4 | 53,2 | 60600850000     |
| GPN 606 / 0095 | 4   | 9,5  | 25,4 | 51,2 | 60600950000     |
| GPN 606 / 0104 | 4,3 | 10,4 | 25,6 | 53,8 | 60601040000     |
| GPN 606 / 0112 | 6,6 | 11,2 | 25,4 | 53   | 60601120000     |
| GPN 606 / 0126 | 6,4 | 12,6 | 25,4 | 53,8 | 60601260000     |
| GPN 606 / 0156 | 6,4 | 15,4 | 25,4 | 56   | 60601560000     |
| GPN 606 / 0163 | 9,5 | 16,3 | 25,4 | 54,5 | 60601630000     |
| GPN 606 / 0178 | 9,5 | 17,8 | 31,8 | 56,4 | 60601780000     |
| GPN 606 / 0196 | 9,5 | 19,6 | 25,4 | 56,3 | 60601960000     |
| GPN 606 / 0205 | 8   | 20,6 | 25,4 | 57,5 | 60602050000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for internal use

| Article        | Female thread | Fine thread | Pipe thread |
|----------------|---------------|-------------|-------------|
| GPN 606 / 0033 | M 4           |             |             |
| GPN 606 / 0041 | M 5           |             |             |
| GPN 606 / 0050 | M 6           |             |             |
| GPN 606 / 0055 | M 6           |             |             |
| GPN 606 / 0070 | M 8           | M 8 x 1     | G 1/6       |
| GPN 606 / 0080 | M 9           |             |             |
| GPN 606 / 0085 | M 10          | M 9 x 1     |             |
| GPN 606 / 0095 | M 11          | M 10 x 1    | G 1/8       |
| GPN 606 / 0104 | M 12          | M 11 x 1    |             |
| GPN 606 / 0112 | M 12          | M 12 x 1,5  |             |
| GPN 606 / 0126 | M 14          | M 12 x 1,5  | G 1/4       |
| GPN 606 / 0156 |               | M 14 x 1,5  |             |
|                |               | M 16 x 1,5  |             |
|                |               | M 17 x 1,5  |             |
| GPN 606 / 0163 | M 18          | M 16 x 1    | M 18 x 2    |
|                |               | M 17 x 1    |             |
| GPN 606 / 0178 | M 20          | M 18 x 1    |             |
| GPN 606 / 0196 | M 22          | M 19 x 1,5  | G 1/2       |
| GPN 606 / 0205 | M 22          | M 20 x 1,5  |             |
|                |               | M 22 x 1,5  |             |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.

Clear burrs as well as partial foreign particles are permissible with these articles. We recommend that functional tests be carried out before series production.





**Saves time.**

With pull tab Ø B for easy fitting and removal.



**Higher temperature resistance.**

Extremely heat resistant up to 250 °C



**More robust.**

Solid design for higher demands.



**Better.**

Suitable for through holes with or without thread. Ø C closes off, Ø B is used as pull tab..



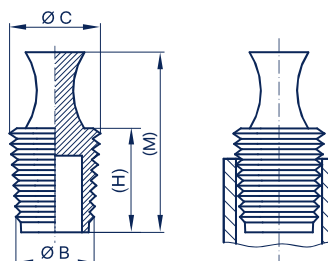
**Seals better.**

Protection against foreign objects >1 mm



## Application

The GPN 607 grip plugs are suitable for the protection of bore holes and internal threads, are ideal for painting and are temporarily heat-resistant up to 250°C. The handy tab guarantees fast removal and the circumferential ribs prevent the ingress of liquids within certain limits. Thanks to the conical design, the grip plugs accommodate larger tolerances.



SI  
natural

| Article        | B    | C    | H    | M    | Virgin material |
|----------------|------|------|------|------|-----------------|
| GPN 607 / 0204 | 2    | 4    | 19,5 | 35,2 | 60702040000     |
| GPN 607 / 0406 | 4    | 6    | 25,4 | 43,2 | 60704060000     |
| GPN 607 / 0608 | 6    | 8    | 25,4 | 43,1 | 60706080000     |
| GPN 607 / 0810 | 8    | 10,5 | 25,4 | 43   | 60708100000     |
| GPN 607 / 1012 | 9,8  | 11,5 | 25,4 | 43,5 | 60710120000     |
| GPN 607 / 1214 | 11,9 | 14,5 | 25,4 | 42,5 | 60712140000     |
| GPN 607 / 1416 | 14   | 16   | 25,4 | 42,5 | 60714160000     |
| GPN 607 / 1618 | 16   | 18   | 25,4 | 42,5 | 60716180000     |
| GPN 607 / 1820 | 18   | 20   | 26   | 43   | 60718200000     |
| GPN 607 / 2022 | 20   | 22,5 | 25,4 | 43   | 60720220000     |
| GPN 607 / 2224 | 22,5 | 24   | 25,4 | 43   | 60722240000     |
| GPN 607 / 2426 | 24   | 26   | 25,4 | 43   | 60724260000     |
| GPN 607 / 2628 | 25,7 | 28   | 25,4 | 43   | 60726280000     |
| GPN 607 / 2832 | 28,6 | 32   | 25,4 | 43,8 | 60728320000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for internal use

| Article        | Female thread | Fine thread | Pipe thread | Unified thread according to ASME / ANSI B 1.1 UN / UNC / UNF / UNEF |
|----------------|---------------|-------------|-------------|---------------------------------------------------------------------|
| GPN 607 / 0204 | M 4           |             |             |                                                                     |
| GPN 607 / 0406 | M 6           |             |             |                                                                     |
| GPN 607 / 0608 | M 8           | M 8 x 1     |             | 5/16                                                                |
| GPN 607 / 0810 | M 10          | M 10 x 1    | 1/8         | 3/8                                                                 |
| GPN 607 / 1012 | M 12          | M 12 x 1    |             | 7/16                                                                |
| GPN 607 / 1214 | M 14          | M 14 x 1,5  | 1/4         | 1/2                                                                 |
| GPN 607 / 1416 | M 16          | M 16 x 1,5  | 3/8         | 9/16 5/8                                                            |
| GPN 607 / 1618 | M 18          | M 18 x 1,5  |             | 3/4                                                                 |
| GPN 607 / 1820 | M 20          | M 20 x 1,5  | 1/2         |                                                                     |
| GPN 607 / 2022 | M 22          | M 22 x 1,5  | 1/2<br>5/8  | 7/8                                                                 |
| GPN 607 / 2224 | M 24          | M 24 x 1,5  | M 24 x 2    | 1                                                                   |
| GPN 607 / 2426 | M 26          | M 26 x 1,5  | 3/4         | 1 1/16                                                              |
| GPN 607 / 2628 | M 28          | M 28 x 1,5  | M 28 x 2    |                                                                     |
| GPN 607 / 2832 | M 30          | M 30 x 1,5  | M 32 x 2    |                                                                     |
|                | M 32          | M 32 x 1,5  |             |                                                                     |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.

Clear burrs as well as partial foreign particles are permissible with these articles. We recommend that functional tests be carried out before series production.



## Grip Plugs GPN 607

Your added values:



**Saves time.**

Practical tab for easy removal.



**More versatile.**

The tapered design is ideal for accommodating large tolerances.



**Higher temperature resistance.**

Extremely heat resistant up to 250 °C



**Seals better.**

Circumferential ribs are providing limited sealing action against an ingress or outflow of fluids.



**Better.**

Suitable for bore holes and internal threads. Particularly suitable for painting.



**Seals better.**

Protection against foreign objects >1 mm



# Tapered Closure with side Tab GPN 608

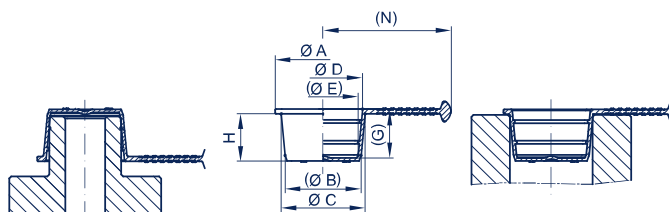
## Application

The GPN 608 tapered closure with side tab can be used universally as a cap or plug and protects bore holes and internal threads as well as bolts and external threads. The grip tab with protected tab design enables very quick assembly and disassembly. The conical shape is ideal for accommodating tolerances.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



**PCR-PE blue**      **PCR-PE / PE-LD yellow**      **PE-LD yellow**

| Article        | A    | B    | C    | D    | E    | G    | H    | N    | 100% PCR    | Recycling blend | Virgin material |
|----------------|------|------|------|------|------|------|------|------|-------------|-----------------|-----------------|
| GPN 608 BL 90  | 11   | 7    | 9    | 7,8  | 5,5  | 9,3  | 8,8  | 17,5 | 6080090RB61 | 60800900073     | 60800900000     |
| GPN 608 BL 100 | 12   | 8    | 10   | 8,8  | 6,4  | 9,3  | 8,8  | 1,8  | 6080100RB61 | 60801000073     | 60801000000     |
| GPN 608 BL 110 | 13   | 9    | 11   | 9,8  | 7,4  | 9,3  | 8,8  | 18,5 | 6080110RB61 | 60801100073     | 60801100000     |
| GPN 608 BL 120 | 14   | 10   | 12   | 10,7 | 8,4  | 10,1 | 9,8  | 19   | 6080120RB61 | 60801200073     | 60801200000     |
| GPN 608 BL 130 | 15   | 11   | 13   | 11,8 | 9,4  | 10,3 | 9,8  | 19,5 | 6080130RB61 | 60801300073     | 60801300000     |
| GPN 608 BL 140 | 16   | 12   | 14   | 12,7 | 10,5 | 11,3 | 10,8 | 20   | 6080140RB61 | 60801400073     | 60801400000     |
| GPN 608 BL 150 | 18   | 13   | 15   | 13,7 | 11,3 | 11,3 | 10,8 | 24   | 6080150RB61 | 60801500073     | 60801500000     |
| GPN 608 BL 160 | 19   | 14,1 | 15,9 | 14,7 | 12,3 | 11,2 | 10,8 | 24,5 | 6080160RB61 | 60801600073     | 60801600000     |
| GPN 608 BL 170 | 19,9 | 14,9 | 16,8 | 15,7 | 13,4 | 11,2 | 10,8 | 25   | 6080170RB61 | 60801700073     | 60801700000     |
| GPN 608 BL 180 | 20,9 | 16,1 | 17,8 | 16,7 | 14,4 | 11,2 | 10,8 | 25,5 | 6080180RB61 | 60801800073     | 60801800000     |
| GPN 608 BL 190 | 21,9 | 17,2 | 18,9 | 17,7 | 15,4 | 11,2 | 10,8 | 26   | 6080190RB61 | 60801900073     | 60801900000     |
| GPN 608 BL 200 | 22,9 | 18,1 | 19,9 | 18,7 | 16,4 | 12,2 | 11,8 | 31,5 | 6080200RB61 | 60802000073     | 60802000000     |
| GPN 608 BL 210 | 23,8 | 19,2 | 20,7 | 19,7 | 17,4 | 12,2 | 11,8 | 32   | 6080210RB61 | 60802100073     | 60802100000     |
| GPN 608 BL 220 | 25   | 20,3 | 22,1 | 20,7 | 18,1 | 12,2 | 11,8 | 32,5 | 6080220RB61 | 60802200073     | 60802200000     |
| GPN 608 BL 230 | 26   | 21   | 23   | 21,7 | 19,4 | 12,3 | 11,8 | 33   | 6080230RB61 | 60802300073     | 60802300000     |
| GPN 608 BL 240 | 27   | 22   | 24   | 22,7 | 20,4 | 12,3 | 11,8 | 33,5 | 6080240RB61 | 60802400073     | 60802400000     |
| GPN 608 BL 250 | 27,9 | 23,3 | 24,7 | 23,7 | 21,4 | 12,2 | 11,8 | 34   | 6080250RB61 | 60802500073     | 60802500000     |
| GPN 608 BL 260 | 28,9 | 24,2 | 25,7 | 24,7 | 22,4 | 12,2 | 11,8 | 34,5 | 6080260RB61 | 60802600073     | 60802600000     |
| GPN 608 BL 270 | 29,9 | 25,2 | 26,8 | 25,7 | 23,4 | 13,2 | 12,8 | 35   | 6080270RB61 | 60802700073     | 60802700000     |
| GPN 608 BL 280 | 31,9 | 26,1 | 27,9 | 26,7 | 24,5 | 13,2 | 12,8 | 36   | 6080280RB61 | 60802800073     | 60802800000     |
| GPN 608 BL 290 | 33,8 | 27,2 | 28,8 | 27,7 | 25,4 | 13,2 | 12,8 | 37   | 6080290RB61 | 60802900073     | 60802900000     |
| GPN 608 BL 300 | 35   | 28,4 | 30   | 28,6 | 26,2 | 13   | 12,8 | 37,5 | 6080300RB61 | 60803000073     | 60803000000     |
| GPN 608 BL 330 | 41   | 32,1 | 33   | 31,7 | 30   | 7,7  | 6,5  | 40,5 | 6080330RB61 | 60803300073     | 60803300000     |
| GPN 608 BL 670 | 71,8 | 65,8 | 66,8 | 65,4 | 64,3 | 11   | 10,5 | 50,9 | 6080670RB61 | 60806700073     | 60806700000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**Saves time.**

Newly designed removal tab for fast handling. Protected tab design.



**More versatile.**

Can be used universally as plug or cap. The tapered design is ideal for accommodating tolerances.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Better.**

To close off bore holes and internal threads, or to protect studs and external threads.



**Seals better.**

Protection against foreign objects > 1 mm



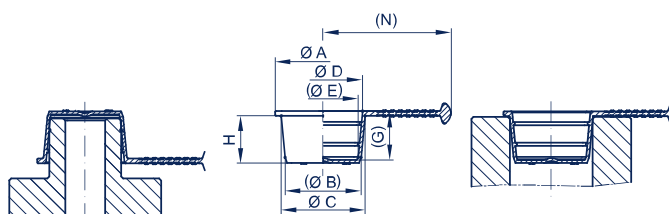
# Flexible Tapered Closure with side Tab

## GPN 609

### Application

The GPN 609 flexible tapered closure with side tab can be used universally as a cap or plug and protects bore holes and internal threads as well as bolts and external threads. The grip tab with protected tab design enables very quick assembly and disassembly. The conical shape is ideal for accommodating tolerances. The material is heat-resistant up to 150° C.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article        | A    | B    | C    | D    | E    | G    | H    | N    | PCR-TPE<br>yellow | TPE<br>yellow   |
|----------------|------|------|------|------|------|------|------|------|-------------------|-----------------|
|                |      |      |      |      |      |      |      |      | Recycling blend   | Virgin material |
| GPN 609 BL 90  | 11   | 7    | 9    | 7,8  | 5,5  | 9,3  | 8,8  | 17,5 | 60900900085       | 60900900000     |
| GPN 609 BL 100 | 12   | 8    | 10   | 8,8  | 6,4  | 9,3  | 8,8  | 18   | 60901000085       | 60901000000     |
| GPN 609 BL 110 | 13   | 9    | 11   | 9,8  | 7,4  | 9,3  | 8,8  | 18,5 | 60901100085       | 60901100000     |
| GPN 609 BL 120 | 14   | 10   | 12   | 10,7 | 8,4  | 10,1 | 9,8  | 19   | 60901200085       | 60901200000     |
| GPN 609 BL 130 | 15   | 11   | 13   | 11,8 | 9,4  | 10,3 | 9,8  | 19,5 | 60901300085       | 60901300000     |
| GPN 609 BL 140 | 16   | 12   | 14   | 12,7 | 10,5 | 11,3 | 10,8 | 20   | 60901400085       | 60901400000     |
| GPN 609 BL 150 | 18   | 13   | 15   | 13,7 | 11,3 | 11,3 | 10,8 | 24   | 60901500085       | 60901500000     |
| GPN 609 BL 160 | 19   | 14,1 | 15,9 | 14,7 | 12,3 | 11,2 | 10,8 | 24,5 | 60901600085       | 60901600000     |
| GPN 609 BL 170 | 19,9 | 14,9 | 16,8 | 15,7 | 13,4 | 11,2 | 10,8 | 25   | 60901700085       | 60901700000     |
| GPN 609 BL 180 | 20,9 | 16,1 | 17,8 | 16,7 | 14,4 | 11,2 | 10,8 | 25,5 | 60901800085       | 60901800000     |
| GPN 609 BL 190 | 21,9 | 17,2 | 18,9 | 17,7 | 15,4 | 11,2 | 10,8 | 26   | 60901900085       | 60901900000     |
| GPN 609 BL 200 | 22,9 | 18,1 | 19,9 | 18,7 | 16,4 | 12,2 | 11,8 | 31,5 | 60902000085       | 60902000000     |
| GPN 609 BL 210 | 23,8 | 19,2 | 20,7 | 19,7 | 17,4 | 12,2 | 11,8 | 32   | 60902100085       | 60902100000     |
| GPN 609 BL 220 | 25   | 20,3 | 22,1 | 20,7 | 18,1 | 12,2 | 11,8 | 32,5 | 60902200085       | 60902200000     |
| GPN 609 BL 230 | 26   | 21   | 23   | 21,7 | 19,4 | 12,3 | 11,8 | 33   | 60902300085       | 60902300000     |
| GPN 609 BL 240 | 27   | 22   | 24   | 22,7 | 20,4 | 12,3 | 11,8 | 33,5 | 60902400085       | 60902400000     |
| GPN 609 BL 250 | 27,9 | 23,3 | 24,7 | 23,7 | 21,4 | 12,2 | 11,8 | 34   | 60902500085       | 60902500000     |
| GPN 609 BL 260 | 28,9 | 24,2 | 25,7 | 24,7 | 22,4 | 12,2 | 11,8 | 34,5 | 60902600085       | 60902600000     |
| GPN 609 BL 270 | 29,9 | 25,2 | 26,8 | 25,7 | 23,4 | 13,2 | 12,8 | 35   | 60902700085       | 60902700000     |
| GPN 609 BL 280 | 31,9 | 26,1 | 27,9 | 26,7 | 24,5 | 13,2 | 12,8 | 36   | 60902800085       | 60902800000     |
| GPN 609 BL 290 | 33,8 | 27,2 | 28,8 | 27,7 | 25,4 | 13,2 | 12,8 | 37   | 60902900085       | 60902900000     |
| GPN 609 BL 300 | 35   | 28,4 | 30   | 28,6 | 26,2 | 13   | 12,8 | 37,5 | 60903000085       | 60903000000     |
| GPN 609 BL 330 | 41   | 32,1 | 33   | 31,7 | 30   | 7,7  | 6,5  | 40,5 | 60903300085       | 60903300000     |
| GPN 609 BL 670 | 71,8 | 65,8 | 66,8 | 65,4 | 64,3 | 11   | 10,5 | 50,9 | 60906700085       | 60906700000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



#### Higher temperature resistance.

Heat resistant to 150 °C.



#### Saves time.

Newly designed removal tab for fast handling. Protected tab design.



#### More versatile.

Can be used universally as plug or cap. The tapered design and the flexible material are ideal for accommodating tolerances.



#### Better.

To close off bore holes and internal threads, or to protect studs and external threads.



#### Seals better.

Protection against foreign objects >1 mm



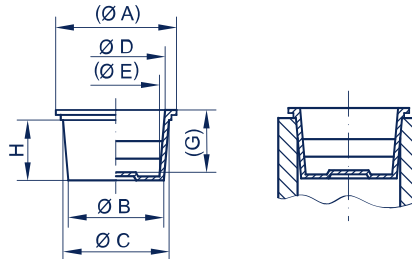
## Application

The GPN 610 universal protection can be used as a cap or a plug and protects bore holes and openings as well as bolts and various metric threads and pipe threads. The conical shape is ideal for accommodating tolerances.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



**PCR-PE  
blue**

**PCR-PE / PE-LD  
yellow**

**PE-LD  
yellow**

| Article       | A  | B    | C    | D    | E    | G    | H  | 100% PCR    | Recycling blend | Virgin material |
|---------------|----|------|------|------|------|------|----|-------------|-----------------|-----------------|
| GPN 610 U 1   | 10 | 4,4  | 6,2  | 4,6  | 2,8  | 10,8 | 10 | 6100001RB61 | 61000010073     | 61000010000     |
| GPN 610 U 2   | 11 | 6    | 7,8  | 6,2  | 4,4  | 10,8 | 10 | 6100002RB61 | 61000020073     | 61000020000     |
| GPN 610 U 3   | 13 | 7,6  | 9,4  | 7,8  | 6    | 10   | 10 | 6100003RB61 | 61000030073     | 61000030000     |
| GPN 610 U 4   | 14 | 8,4  | 10,2 | 8,6  | 6,8  | 10   | 10 | 6100004RB61 | 61000040073     | 61000040000     |
| GPN 610 U 5   | 14 | 9,2  | 11   | 9,3  | 7,5  | 10   | 10 | 6100005RB61 | 61000050073     | 61000050000     |
| GPN 610 U 6   | 15 | 9,9  | 11,7 | 10,1 | 8,3  | 10   | 10 | 6100006RB61 | 61000060073     | 61000060000     |
| GPN 610 U 7   | 16 | 10,6 | 12,4 | 10,8 | 9    | 10   | 10 | 6100007RB61 | 61000070073     | 61000070000     |
| GPN 610 U 8   | 17 | 11,3 | 13,1 | 11,2 | 9,5  | 10   | 10 | 6100008RB61 | 61000080073     | 61000080000     |
| GPN 610 U 9   | 18 | 12,2 | 14,1 | 12,5 | 10,4 | 12   | 12 | 6100009RB61 | 61000090073     | 61000090000     |
| GPN 610 U 10  | 18 | 12,5 | 14,6 | 13,3 | 11,2 | 12   | 12 | 6100010RB61 | 61000100073     | 61000100000     |
| GPN 610 U 11  | 19 | 13,5 | 15,6 | 14   | 11,9 | 12   | 12 | 6100011RB61 | 61000110073     | 61000110000     |
| GPN 610 U 12  | 19 | 14   | 16,1 | 14,5 | 12,4 | 12   | 12 | 6100012RB61 | 61000120073     | 61000120000     |
| GPN 610 U 13  | 21 | 15   | 17   | 15,5 | 13,2 | 13   | 13 | 6100013RB61 | 61000130073     | 61000130000     |
| GPN 610 U 14  | 22 | 16,3 | 18,6 | 17   | 14,7 | 13   | 13 | 6100014RB61 | 61000140073     | 61000140000     |
| GPN 610 U 15  | 22 | 17,3 | 19,4 | 17,6 | 15,5 | 13   | 13 | 6100015RB61 | 61000150073     | 61000150000     |
| GPN 610 U 16  | 24 | 17,5 | 20,1 | 18,5 | 15,9 | 15   | 15 | 6100016RB61 | 61000160073     | 61000160000     |
| GPN 610 U 17  | 25 | 18,6 | 21   | 19,4 | 16,8 | 15   | 15 | 6100017RB61 | 61000170073     | 61000170000     |
| GPN 610 U 18  | 25 | 19   | 21,6 | 20   | 17,4 | 15   | 15 | 6100018RB61 | 61000180073     | 61000180000     |
| GPN 610 U 19  | 27 | 20,4 | 23,2 | 21,6 | 18,8 | 16   | 16 | 6100019RB61 | 61000190073     | 61000190000     |
| GPN 610 U 20  | 28 | 20,7 | 23,5 | 21,9 | 19,1 | 16   | 16 | 6100020RB61 | 61000200073     | 61000200000     |
| GPN 610 U 21  | 29 | 22,2 | 24,8 | 23   | 20,4 | 16   | 16 | 6100021RB61 | 61000210073     | 61000210000     |
| GPN 610 U 22  | 30 | 23,2 | 26,3 | 24,4 | 21,2 | 18   | 18 | 6100022RB61 | 61000220073     | 61000220000     |
| GPN 610 U 23  | 32 | 24,5 | 27,8 | 26,2 | 22,9 | 19   | 19 | 6100023RB61 | 61000230073     | 61000230000     |
| GPN 610 U 24  | 33 | 25,5 | 29,2 | 27,7 | 23,7 | 19   | 19 | 6100024RB61 | 61000240073     | 61000240000     |
| GPN 610 U 241 | 33 | 26,4 | 30,4 | 28,9 | 24,9 | 19   | 19 | 6100241RB61 | 61002410073     | 61002410000     |
| GPN 610 U 25  | 35 | 27,8 | 31,1 | 29,5 | 26,2 | 19   | 19 | 6100025RB61 | 61000250073     | 61000250000     |
| GPN 610 U 26  | 37 | 29,8 | 32,6 | 31,1 | 28,3 | 16   | 16 | 6100026RB61 | 61000260073     | 61000260000     |
| GPN 610 U 27  | 38 | 31,4 | 35,1 | 32,8 | 29,7 | 21   | 21 | 6100027RB61 | 61000270073     | 61000270000     |
| GPN 610 U 28  | 41 | 33,3 | 37,1 | 35,5 | 31,7 | 22   | 22 | 6100028RB61 | 61000280073     | 61000280000     |
| GPN 610 U 29  | 45 | 36,7 | 40,5 | 39   | 35,2 | 22   | 22 | 6100029RB61 | 61000290073     | 61000290000     |
| GPN 610 U 291 | 45 | 38,4 | 40,7 | 39,2 | 36,9 | 13   | 13 | 6100291RB61 | 61002910073     | 61002910000     |
| GPN 610 U 30  | 48 | 38,2 | 43   | 41,4 | 36,6 | 23   | 23 | 6100030RB61 | 61000300073     | 61000300000     |
| GPN 610 U 31  | 48 | 39,6 | 42,9 | 41,3 | 38   | 19   | 19 | 6100031RB61 | 61000310073     | 61000310000     |
| GPN 610 U 32  | 49 | 41,4 | 44,7 | 43   | 39,7 | 19   | 19 | 6100032RB61 | 61000320073     | 61000320000     |
| GPN 610 U 33  | 51 | 44,4 | 47,7 | 46,1 | 42,8 | 19   | 19 | 6100033RB61 | 61000330073     | 61000330000     |
| GPN 610 U 34  | 54 | 45,2 | 49,2 | 48   | 43,6 | 25   | 25 | 6100034RB61 | 61000340073     | 61000340000     |
| GPN 610 U 35  | 55 | 46,6 | 50,5 | 48,7 | 45,2 | 25   | 25 | 6100035RB61 | 61000350073     | 61000350000     |
| GPN 610 U 36  | 62 | 53   | 56,9 | 55,2 | 50,8 | 25   | 25 | 6100036RB61 | 61000360073     | 61000360000     |
| GPN 610 U 37  | 65 | 54   | 59,3 | 57,8 | 52,5 | 25   | 25 | 6100037RB61 | 61000370073     | 61000370000     |
| GPN 610 U 38  | 65 | 54,2 | 58,6 | 57   | 52,6 | 25   | 25 | 6100038RB61 | 61000380073     | 61000380000     |
| GPN 610 U 39  | 67 | 58,8 | 62,8 | 61,1 | 56,7 | 25   | 25 | 6100039RB61 | 61000390073     | 61000390000     |
| GPN 610 U 40  | 71 | 60,7 | 67,1 | 64,3 | 57,5 | 28,5 | 29 | 6100040RB61 | 61000400073     | 61000400000     |
| GPN 610 U 41  | 75 | 67,1 | 70,4 | 68,7 | 65,4 | 19   | 19 | 6100041RB61 | 61000410073     | 61000410000     |
| GPN 610 U 42  | 83 | 72,4 | 75,7 | 74,1 | 70,8 | 19   | 19 | 6100042RB61 | 61000420073     | 61000420000     |
| GPN 610 U 43  | 92 | 84,5 | 87,8 | 85   | 82,4 | 18,5 | 19 | 6100043RB61 | 61000430073     | 61000430000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.



| Article       | Standard thread |           |            | Fine thread         |             |            |          |          | Pipe thread |
|---------------|-----------------|-----------|------------|---------------------|-------------|------------|----------|----------|-------------|
| GPN 610 U 1   | M 6             | M 6 x 0,5 | M 6 x 0,75 |                     |             |            |          |          |             |
| GPN 610 U 2   | M 8             |           |            | M 8 x 1             |             |            |          |          |             |
| GPN 610 U 3   | M 10            |           |            | M 9,5 x 1           | M 10 x 1,25 |            |          |          | G 1/8       |
| GPN 610 U 4   | M 11            |           |            | M 10,5 x 1          |             |            |          |          |             |
| GPN 610 U 5   | M 12            |           |            | M 11 x 1            |             | M 12 x 1,5 |          |          |             |
| GPN 610 U 6   |                 |           |            | M 12 x 1            | M 12 x 1,25 |            |          |          |             |
| GPN 610 U 7   | M 14            |           |            | M 12,5 x 1          |             |            |          |          | G 1/4       |
| GPN 610 U 8   |                 |           |            | M 13,5 x 1          |             | M 14 x 1,5 |          |          |             |
| GPN 610 U 9   |                 |           |            | M 14 x 1   M 15 x 1 |             | M 15 x 1,5 |          |          |             |
| GPN 610 U 10  | M 16            |           |            | M 14,5 x 1          |             |            |          |          |             |
| GPN 610 U 11  |                 |           |            | M 16 x 1            |             | M 16 x 1,5 | M 17 x 2 |          |             |
| GPN 610 U 12  | M 18            |           |            |                     |             | M 17 x 1,5 |          |          | G 3/8       |
| GPN 610 U 13  |                 |           |            | M 17 x 1            |             | M 18 x 1,5 |          |          |             |
| GPN 610 U 14  | M 20            |           |            |                     |             | M 19 x 1,5 | M 20 x 2 |          |             |
| GPN 610 U 15  |                 |           |            |                     |             | M 20 x 1,5 |          |          | G 1/2       |
| GPN 610 U 16  | M 22            |           |            | M 20 x 1            |             |            | M 21 x 2 |          | G 1/2       |
| GPN 610 U 17  |                 |           |            | M 21 x 1            |             |            | M 22 x 2 |          |             |
| GPN 610 U 18  | M 24            |           |            |                     |             | M 22 x 1,5 |          |          | G 5/8       |
| GPN 610 U 19  |                 |           |            | M 23 x 1            |             |            | M 24 x 2 |          |             |
| GPN 610 U 20  |                 |           |            |                     |             | M 24 x 1,5 |          |          |             |
| GPN 610 U 21  | M 27            |           |            |                     |             | M 25 x 1,5 | M 26 x 2 |          |             |
| GPN 610 U 22  |                 |           |            | M 26 x 1            |             |            | M 27 x 2 | M 28 x 3 | G 3/4       |
| GPN 610 U 23  | M 30            |           |            | M 27 x 1            |             | M 28 x 1,5 |          |          |             |
| GPN 610 U 24  |                 |           |            | M 29 x 1            |             | M 29 x 1,5 | M 30 x 2 |          | G 7/8       |
| GPN 610 U 241 | M 33            |           |            | M 30 x 1            |             | M 30 x 1,5 |          | M 32 x 3 |             |
| GPN 610 U 25  | M 33            |           |            | M 31 x 1            |             | M 31 x 1,5 | M 32 x 2 |          | G 1         |
| GPN 610 U 26  | M 36            |           |            | M 32 x 1            |             | M 33 x 1,5 |          |          |             |
| GPN 610 U 27  |                 |           |            | M 34 x 1            |             | M 35 x 1,5 | M 36 x 2 |          |             |
| GPN 610 U 28  | M 39            |           |            | M 36 x 1            |             | M 37 x 1,5 |          | M 39 x 3 | G 1 1/8     |
| GPN 610 U 29  |                 |           |            | M 40 x 1            |             | M 40 x 1,5 |          | M 42 x 3 | G 1 1/4     |
| GPN 610 U 291 |                 |           |            |                     |             |            | M 42 x 2 |          |             |
| GPN 610 U 30  | M 45            |           |            | M 42 x 1            |             | M 42 x 1,5 |          | M 45 x 4 |             |
| GPN 610 U 31  |                 |           |            | M 42 x 1            |             |            |          | M 45 x 3 | G 1 3/8     |
| GPN 610 U 32  |                 |           |            | M 44 x 1            |             |            |          |          |             |
| GPN 610 U 33  | M 52            |           |            |                     |             | M 45 x 1,5 |          | M 48 x 4 |             |
| GPN 610 U 34  |                 |           |            |                     |             | M 48 x 1,5 | M 48 x 2 | M 50 x 3 |             |
| GPN 610 U 35  | M 56            |           |            | M 50 x 1            |             | M 50 x 1,5 | M 50 x 2 | M 52 x 4 |             |
| GPN 610 U 36  | M 60            |           |            | M 56 x 1            |             | M 50 x 1,5 |          | M 52 x 3 |             |
| GPN 610 U 37  | M 64            |           |            | M 58 x 1            |             | M 56 x 1,5 |          | M 58 x 3 |             |
| GPN 610 U 38  | M 64            |           |            | M 58 x 1            |             | M 58 x 1,5 |          | M 60 x 3 | G 2         |
| GPN 610 U 39  | M 68            |           |            | M 62 x 1            |             | M 58 x 1,5 |          | M 60 x 3 | G 2         |
| GPN 610 U 40  |                 |           |            | M 65 x 1            |             | M 62 x 1,5 |          | M 64 x 3 |             |
| GPN 610 U 41  |                 |           |            | M 70 x 1            |             | M 65 x 1,5 |          |          | M 68 x 4    |
| GPN 610 U 42  |                 |           |            | M 75 x 1            |             | M 70 x 1,5 |          | M 72 x 3 |             |
| GPN 610 U 43  |                 |           |            |                     |             | M 76 x 1,5 |          |          |             |
|               |                 |           |            |                     |             |            |          | M 90 x 3 |             |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.

## Application guide for exterior use

| Article      | Standard thread |           |                   | Fine thread |          |          |          |  | Pipe thread |
|--------------|-----------------|-----------|-------------------|-------------|----------|----------|----------|--|-------------|
| GPN 610 U 1  | M 4             | M 4 x 0,5 |                   |             |          |          |          |  |             |
| GPN 610 U 2  | M 5             | M 5 x 0,5 |                   |             |          |          |          |  |             |
| GPN 610 U 3  | M 7             |           |                   |             |          |          |          |  |             |
| GPN 610 U 4  | M 8             |           | M 7,5 x 1 M 8 x 1 |             |          |          |          |  | G 1/16      |
| GPN 610 U 5  |                 |           | M 8,5 x 1         |             |          |          |          |  |             |
| GPN 610 U 6  | M 9             |           | M 9 x 1           |             |          |          |          |  |             |
| GPN 610 U 7  | M 10            |           | M 9,5 x 1         |             |          |          |          |  | G 1/8       |
| GPN 610 U 8  |                 |           | M 10 x 1          |             |          |          |          |  |             |
| GPN 610 U 9  | M 12            |           | M 10,5 x 1        |             |          |          |          |  |             |
| GPN 610 U 10 |                 |           | M 12 x 1          | M 12 x 1,5  |          |          |          |  |             |
| GPN 610 U 11 |                 |           | M 12,5 x 1        |             |          |          |          |  |             |
| GPN 610 U 12 |                 |           | M 13 x 1          | M 13 x 1,5  |          |          |          |  | G 1/4       |
| GPN 610 U 13 |                 |           | M 13,5 x 1        |             |          |          |          |  |             |
| GPN 610 U 14 | M 14            |           | M 14 x 1          | M 14 x 1,5  |          |          |          |  |             |
| GPN 610 U 15 | M 16            |           | M 14,5 x 1        |             |          |          |          |  |             |
| GPN 610 U 16 |                 |           | M 16 x 1          | M 16 x 1,5  |          |          |          |  | G 3/8       |
| GPN 610 U 17 |                 |           |                   |             |          |          |          |  |             |
| GPN 610 U 18 |                 |           | M 17 x 1          | M 17 x 1,5  | M 17 x 2 |          |          |  |             |
| GPN 610 U 19 | M 18            |           | M 18 x 1          | M 18 x 1,5  | M 18 x 2 |          |          |  |             |
| GPN 610 U 20 |                 |           | M 19 x 1          | M 19 x 1,5  | M 19 x 2 |          |          |  |             |
| GPN 610 U 21 | M 20            |           | M 20 x 1          | M 20 x 1,5  | M 20 x 2 |          |          |  |             |
| GPN 610 U 22 |                 |           | M 21 x 1          | M 21 x 1,5  | M 21 x 2 |          |          |  | G 1/2       |
| GPN 610 U 23 | M 22            |           | M 22 x 1          | M 22 x 1,5  | M 22 x 2 |          |          |  |             |
| GPN 610 U 24 |                 |           | M 23 x 1          | M 23 x 1,5  | M 23 x 2 |          |          |  | G 5/8       |
| GPN 610 U 25 |                 |           | M 25 x 1          | M 25 x 1,5  | M 25 x 2 |          |          |  |             |
| GPN 610 U 26 |                 |           | M 26 x 1          | M 26 x 1,5  | M 26 x 2 |          |          |  | G 3/4       |
| GPN 610 U 27 | M 27            |           | M 27 x 1          | M 27 x 1,5  | M 27 x 2 |          |          |  |             |
| GPN 610 U 28 |                 |           | M 28 x 1          | M 28 x 1,5  | M 28 x 2 | M 28 x 3 |          |  |             |
| GPN 610 U 29 | M 30            |           | M 30 x 1          | M 30 x 1,5  | M 30 x 2 | M 30 x 3 |          |  | G 7/8       |
| GPN 610 U 30 |                 |           | M 32 x 1          | M 32 x 1,5  | M 32 x 2 | M 32 x 3 |          |  |             |
| GPN 610 U 31 |                 |           | M 34 x 1          | M 34 x 1,5  | M 34 x 2 | M 34 x 3 |          |  | G 1         |
| GPN 610 U 32 |                 |           | M 37 x 1          | M 37 x 1,5  | M 37 x 2 |          |          |  | G 1 1/8     |
| GPN 610 U 33 |                 |           | M 38 x 1          | M 38 x 1,5  | M 38 x 2 | M 38 x 3 |          |  |             |
| GPN 610 U 34 | M 39            |           | M 39 x 1          | M 39 x 1,5  | M 39 x 2 | M 39 x 3 |          |  |             |
| GPN 610 U 35 |                 |           | M 40 x 1          | M 40 x 1,5  | M 40 x 2 | M 40 x 3 | M 40 x 4 |  |             |



# Universal Protection

## GPN 610

| Article      | Standard thread |  |          | Fine thread |          |          |          | Pipe thread |
|--------------|-----------------|--|----------|-------------|----------|----------|----------|-------------|
| GPN 610 U 32 | M 42            |  | M 42 x 1 | M 42 x 1,5  | M 42 x 2 | M 42 x 3 | M 42 x 4 | G 1 1/4     |
| GPN 610 U 33 | M 45            |  | M 45 x 1 | M 45 x 1,5  | M 45 x 2 | M 45 x 3 | M 45 x 4 | G 1 3/8     |
| GPN 610 U 35 |                 |  |          |             |          |          |          | G 1 1/2     |
| GPN 610 U 36 | M 52            |  | M 52 x 1 | M 52 x 1,5  | M 52 x 2 | M 52 x 3 | M 52 x 4 | G 1 3/4     |
| GPN 610 U 37 |                 |  | M 55 x 1 | M 55 x 1,5  | M 55 x 2 | M 55 x 3 | M 55 x 4 |             |
| GPN 610 U 38 |                 |  | M 55 x 1 | M 55 x 1,5  | M 55 x 2 | M 55 x 3 | M 55 x 4 |             |
| GPN 610 U 39 |                 |  | M 60 x 1 | M 60 x 1,5  | M 60 x 2 | M 60 x 3 | M 60 x 4 | G 2         |
| GPN 610 U 40 | M 62            |  | M 62 x 1 | M 62 x 1,5  | M 62 x 2 | M 62 x 3 | M 62 x 4 |             |
| GPN 610 U 42 |                 |  | M 72 x 1 | M 72 x 1,5  | M 72 x 2 | M 72 x 3 | M 72 x 4 |             |

This application table represents guide values. We will be happy to send you free trial samples. For bolts, pins and tube ends please select according to the functional dimensions D and E.

### Your added values:



#### More versatile.

Can be used universally as plug or cap. The tapered design is ideal for accommodating tolerances.



#### Cleaner.

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom threads, or to protect studs and external threads.



#### Better.

To close off bore holes and internal threads, or to protect studs and external threads.



#### Seals better.

Protection against foreign objects > 1 mm



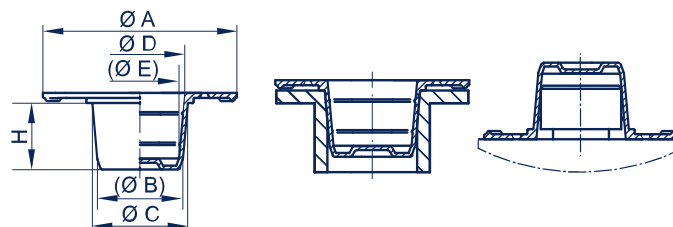
# Universal Protection with Ring Tab GPN 615

## Application



The GPN 615 universal protection with ring tab can be used as a cap or plug and protects internal thread, pipes, hoses and openings. The conical shape is ideal for accommodating tolerances. The flat-fitting ring tab guarantees no loss of installation space and quick assembly and disassembly.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article        | A  | B    | C    | D    | E    | H    | PCR-PE blue | PCR-PE / PE-LD yellow | PE-LD yellow    |
|----------------|----|------|------|------|------|------|-------------|-----------------------|-----------------|
|                |    |      |      |      |      |      | 100% PCR    | Recycling blend       | Virgin material |
| GPN 615 UL 88  | 29 | 7,6  | 9,1  | 7,7  | 6,2  | 10   | 6150088RB61 | 61500880073           | 61500880000     |
| GPN 615 UL 91  | 29 | 7,8  | 9,5  | 8    | 6,3  | 10   | 6150091RB61 | 61500910073           | 61500910000     |
| GPN 615 UL 107 | 29 | 9,5  | 11,1 | 9,6  | 7,9  | 10   | 6150107RB61 | 61501070073           | 61501070000     |
| GPN 615 UL 114 | 29 | 10,2 | 11,9 | 10,3 | 8,6  | 10   | 6150114RB61 | 61501140073           | 61501140000     |
| GPN 615 UL 127 | 29 | 11,5 | 13,1 | 11,6 | 9,9  | 10   | 6150127RB61 | 61501270073           | 61501270000     |
| GPN 615 UL 147 | 32 | 13,1 | 14,9 | 13,6 | 11,6 | 12,5 | 6150147RB61 | 61501470073           | 61501470000     |
| GPN 615 UL 152 | 34 | 13,5 | 15,2 | 14,1 | 12,1 | 12   | 6150152RB61 | 61501520073           | 61501520000     |
| GPN 615 UL 167 | 34 | 14,9 | 17   | 15,6 | 13,4 | 13   | 6150167RB61 | 61501670073           | 61501670000     |
| GPN 615 UL 187 | 38 | 17   | 19,2 | 17,5 | 15,3 | 13   | 6150187RB61 | 61501870073           | 61501870000     |
| GPN 615 UL 207 | 40 | 18,6 | 21,1 | 19,5 | 16,9 | 15   | 6150207RB61 | 61502070073           | 61502070000     |
| GPN 615 UL 241 | 46 | 21,5 | 24,7 | 22,9 | 19,8 | 18   | 6150241RB61 | 61502410073           | 61502410000     |
| GPN 615 UL 309 | 56 | 28,1 | 30,8 | 29,7 | 26,4 | 19   | 6150309RB61 | 61503090073           | 61503090000     |
| GPN 615 UL 448 | 80 | 42,2 | 45,4 | 43,5 | 40,2 | 19   | 6150448RB61 | 61504480073           | 61504480000     |
| GPN 615 UL 628 | 95 | 58,4 | 62,8 | 60,8 | 56,4 | 25   | 6150628RB61 | 61506280073           | 61506280000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for internal use

| Article        | Fine thread |  |  | Pipe thread |
|----------------|-------------|--|--|-------------|
| GPN 615 UL 88  | M 10 x 1    |  |  | G 1/8       |
| GPN 615 UL 91  |             |  |  |             |
| GPN 615 UL 107 |             |  |  |             |
| GPN 615 UL 114 | M 14 x 1,5  |  |  | G 1/4       |
| GPN 615 UL 127 |             |  |  |             |
| GPN 615 UL 147 |             |  |  |             |
| GPN 615 UL 152 | M 18 x 1,5  |  |  | G 3/8       |
| GPN 615 UL 167 |             |  |  |             |
| GPN 615 UL 187 |             |  |  |             |
| GPN 615 UL 207 | M 20 x 1,5  |  |  | G 1/2       |
| GPN 615 UL 241 |             |  |  | G 5/8       |
| GPN 615 UL 309 |             |  |  | G 3/4       |
| GPN 615 UL 448 | M 26 x 1,5  |  |  | G 1         |
|                |             |  |  |             |
|                |             |  |  |             |
|                | M 32 x 1,5  |  |  | G 1 1/2     |
|                |             |  |  |             |
|                |             |  |  |             |
|                | M 32 x 2    |  |  |             |
|                |             |  |  |             |
|                |             |  |  |             |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.



# GPN 615

Your added values:



**Saves time.**

Easy removal due to ring lug.



**More versatile.**

The tapered design of the plug accommodates larger tolerances. Can also be used as a cap.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Better.**

Protects threads, pipes, hoses and bores. No loss of construction space due to flat-type ring lug.



**Seals better.**

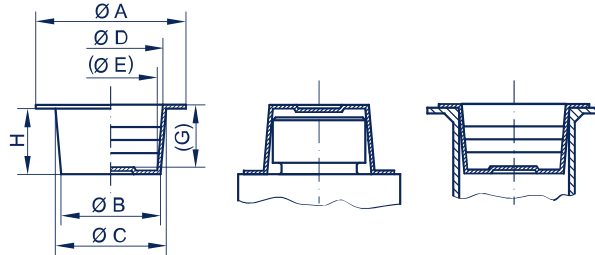
Protection against foreign objects >1 mm



## Application

The GPN 620 universal protection can be used as a plug or cap in a wide range of applications and protects bore holes, openings and bolts. The conical shape is ideal for accommodating tolerances. The universal protection has a larger flange.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article         | A    | B    | C    | D    | E    | G    | H    | PCR-PE<br>blue | PCR-PE / PE-LD<br>yellow | PE-LD<br>yellow |
|-----------------|------|------|------|------|------|------|------|----------------|--------------------------|-----------------|
|                 |      |      |      |      |      |      |      | 100% PCR       | Recycling blend          | Virgin material |
| GPN 620 U 1 B   | 22   | 4,4  | 6,3  | 4,6  | 2,7  | 11,2 | 11   | 6200001RB61    | 62000010073              | 62000010000     |
| GPN 620 U 2 B   | 23   | 6    | 7,9  | 6,1  | 4,3  | 11,2 | 11   | 6200002RB61    | 62000020073              | 62000020000     |
| GPN 620 U 3 B   | 25   | 7,6  | 9,5  | 7,8  | 5,9  | 11   | 11   | 6200003RB61    | 62000030073              | 62000030000     |
| GPN 620 U 4 B   | 26   | 8,4  | 10,3 | 8,6  | 6,8  | 10   | 11   | 6200004RB61    | 62000040073              | 62000040000     |
| GPN 620 U 5 B   | 26   | 9,2  | 11   | 9,3  | 7,5  | 10   | 11   | 6200005RB61    | 62000050073              | 62000050000     |
| GPN 620 U 6 B   | 27   | 9,9  | 11,7 | 10   | 8,3  | 10   | 11   | 6200006RB61    | 62000060073              | 62000060000     |
| GPN 620 U 7 B   | 28   | 10,6 | 12,4 | 10,6 | 8,8  | 10   | 11   | 6200007RB61    | 62000070073              | 62000070000     |
| GPN 620 U 8 B   | 29   | 11,3 | 13,2 | 11,6 | 9,8  | 10   | 11   | 6200008RB61    | 62000080073              | 62000080000     |
| GPN 620 U 9 B   | 30   | 12   | 14,2 | 12,5 | 10,4 | 12   | 13   | 6200009RB61    | 62000090073              | 62000090000     |
| GPN 620 U 10 B  | 30   | 12,5 | 14,6 | 13,1 | 11,2 | 12   | 13   | 6200010RB61    | 62000100073              | 62000100000     |
| GPN 620 U 11 B  | 31   | 13,8 | 15,9 | 14,1 | 12   | 12   | 13   | 6200011RB61    | 62000110073              | 62000110000     |
| GPN 620 U 12 B  | 31   | 14   | 16,4 | 14,5 | 12,2 | 12   | 13   | 6200012RB61    | 62000120073              | 62000120000     |
| GPN 620 U 13 B  | 33   | 15,4 | 17,2 | 15,5 | 13,4 | 13   | 14   | 6200013RB61    | 62000130073              | 62000130000     |
| GPN 620 U 14 B  | 34   | 16,5 | 18,8 | 17,1 | 14,8 | 13   | 14   | 6200014RB61    | 62000140073              | 62000140000     |
| GPN 620 U 15 B  | 34   | 17,4 | 19,6 | 17,8 | 15,6 | 13   | 14   | 6200015RB61    | 62000150073              | 62000150000     |
| GPN 620 U 16 B  | 36   | 17,7 | 20,3 | 18,6 | 16   | 15   | 16   | 6200016RB61    | 62000160073              | 62000160000     |
| GPN 620 U 17 B  | 37   | 18,6 | 21,2 | 19,5 | 16,9 | 15   | 16   | 6200017RB61    | 62000170073              | 62000170000     |
| GPN 620 U 18 B  | 37   | 19,3 | 21,9 | 20,1 | 17,6 | 15   | 16   | 6200018RB61    | 62000180073              | 62000180000     |
| GPN 620 U 19 B  | 39   | 20,8 | 23,5 | 21,8 | 18,9 | 16   | 17   | 6200019RB61    | 62000190073              | 62000190000     |
| GPN 620 U 20 B  | 40   | 21,2 | 24   | 22,1 | 19,3 | 16   | 17   | 6200020RB61    | 62000200073              | 62000200000     |
| GPN 620 U 21 B  | 41   | 22,3 | 25,2 | 23,4 | 20,4 | 16   | 17   | 6200021RB61    | 62000210073              | 62000210000     |
| GPN 620 U 22 B  | 42   | 23,7 | 27   | 24,1 | 20,9 | 18   | 19   | 6200022RB61    | 62000220073              | 62000220000     |
| GPN 620 U 23 B  | 44   | 25   | 28,3 | 26,4 | 23   | 19   | 20   | 6200023RB61    | 62000230073              | 62000230000     |
| GPN 620 U 24 B  | 45   | 26,4 | 29,5 | 27,7 | 24,7 | 19   | 20   | 6200024RB61    | 62000240073              | 62000240000     |
| GPN 620 U 25 B  | 47   | 28,1 | 31,4 | 29,7 | 26,4 | 19   | 20   | 6200025RB61    | 62000250073              | 62000250000     |
| GPN 620 U 26 B  | 49   | 29,6 | 32,9 | 31,2 | 27,9 | 19   | 20   | 6200026RB61    | 62000260073              | 62000260000     |
| GPN 620 U 27 B  | 50   | 32   | 35,5 | 33,6 | 29,8 | 21   | 22   | 6200027RB61    | 62000270073              | 62000270000     |
| GPN 620 U 28 B  | 52   | 33,8 | 37,8 | 36   | 31,9 | 22   | 23   | 6200028RB61    | 62000280073              | 62000280000     |
| GPN 620 U 29 B  | 54   | 36,4 | 40,2 | 38,4 | 34,5 | 21   | 22   | 6200029RB61    | 62000290073              | 62000290000     |
| GPN 620 U 31 B  | 60   | 39,2 | 43,1 | 41,3 | 37,2 | 22   | 23   | 6200031RB61    | 62000310073              | 62000310000     |
| GPN 620 U 32 B  | 70   | 41,3 | 44,8 | 43   | 39,5 | 19   | 20   | 6200032RB61    | 62000320073              | 62000320000     |
| GPN 620 U 33 B  | 64   | 44,4 | 47,9 | 46,1 | 42,6 | 19   | 20   | 6200033RB61    | 62000330073              | 62000330000     |
| GPN 620 U 351 B | 66   | 50,5 | 53,1 | 51,1 | 48,8 | 13,7 | 14   | 6200351RB61    | 62003510073              | 62003510000     |
| GPN 620 U 36 B  | 74,3 | 52,7 | 56,6 | 54,6 | 51   | 24,7 | 25   | 6200036RB61    | 62000360073              | 62000360000     |
| GPN 620 U 401 B | 85   | 62,5 | 67,5 | 65,5 | 60,4 | 20,5 | 20,5 | 6200401RB61    | 62004010073              | 62004010000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**More versatile.**

Can be used as a plug or cap for a wide range of applications. Tapered design for accommodating tolerances.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Better.**

Same design as GPN 610 but with larger cover flange.



**Seals better.**

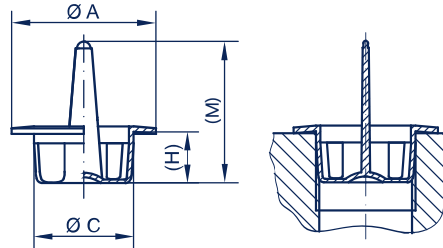
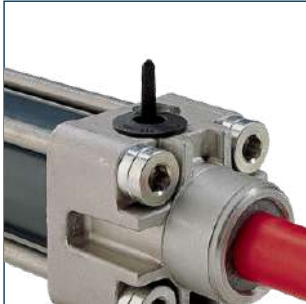
Protection against foreign objects > 1 mm





## Application

The GPN 630 grip plugs are suitable for the protection of bore holes and internal threads and are temporarily heat-resistant up to 150°C. The positioning of the tab and the special design ensure removal with extremely low material abrasion, even with sharp counter-pieces. The pull-off tab enables quick disassembly.



**TPE  
black**

| Article            | A    | C    | H | M    | Virgin material |
|--------------------|------|------|---|------|-----------------|
| GPN 630 M 8 x 1    | 15,5 | 7,5  | 8 | 23   | 63008100000     |
| GPN 630 M 10 x 1   | 17,7 | 9,5  | 8 | 22,8 | 63010100000     |
| GPN 630 M 12 x 1   | 19,5 | 11,5 | 9 | 23,5 | 63012100000     |
| GPN 630 M 14 x 1,5 | 21,5 | 13,5 | 9 | 23,8 | 63014150000     |
| GPN 630 M 16 x 1,5 | 23,5 | 15,5 | 9 | 23,8 | 63016150000     |
| GPN 630 M 18 x 1,5 | 25,5 | 17,6 | 9 | 25   | 63018150000     |
| GPN 630 M 20 x 1,5 | 27,5 | 19,5 | 9 | 25   | 63020150000     |
| GPN 630 M 22 x 1,5 | 29,5 | 21,5 | 9 | 25   | 63022150000     |
| GPN 630 M 24 x 1,5 | 28,5 | 23,5 | 9 | 25   | 63024150000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for internal use

| Article            | Female thread |          | Fine thread |            | Unified thread according to ASME / ANSI B 1.1 UN / UNC / UNF / UNEF |       |
|--------------------|---------------|----------|-------------|------------|---------------------------------------------------------------------|-------|
| GPN 630 M 8 x 1    | M 8           | M 8 x 1  |             |            |                                                                     | 5/16  |
| GPN 630 M 10 x 1   |               | M 10 x 1 |             |            |                                                                     | 3/8   |
| GPN 630 M 12 x 1   |               | M 12 x 1 | M 12 x 1,25 | M 12 x 1,5 |                                                                     | 1/2   |
| GPN 630 M 14 x 1,5 |               | M 13 x 1 |             | M 14 x 1,5 |                                                                     | 9/16  |
| GPN 630 M 16 x 1,5 |               |          |             | M 16 x 1,5 | M 17 x 2                                                            | 5/8   |
| GPN 630 M 18 x 1,5 |               |          |             | M 18 x 1,5 | M 19 x 2                                                            | 11/16 |
| GPN 630 M 20 x 1,5 |               | M 20 x 1 |             | M 20 x 1,5 |                                                                     |       |
| GPN 630 M 22 x 1,5 |               | M 22 x 1 |             | M 22 x 1,5 |                                                                     | 7/8   |
| GPN 630 M 24 x 1,5 |               |          |             | M 24 x 1,5 | M 25 x 2                                                            | 15/16 |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimension C.

## Your added values:



**Saves time.**

With removal grip for fast removal.



**Higher temperature resistance.**

Heat resistant to 150 °C.



**Better.**

Plugs are designed to turn inside out during low abrasion removal. Free from plasticizers with SVHC\* relevance.



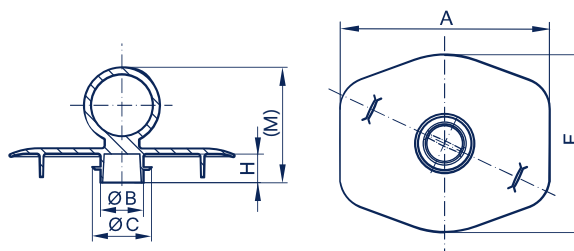
**Seals better.**

Protection against foreign objects > 1 mm



## Application

The GPN 640 flange covers protect SAE flanges from damage and contamination and hold reliably by means of clamping ribs and positioning strips. The ring tab enables easy handling and the ribs accommodate larger tolerances.



**PE-LLD  
yellow**

| Article          | Flange size high pressure | A  | F  | B    | C    | H  | M    | Virgin material |
|------------------|---------------------------|----|----|------|------|----|------|-----------------|
| GPN 640 HD 1/2   | 1/2                       | 58 | 50 | 8,5  | 14,3 | 10 | 40,3 | 64035860000     |
| GPN 640 HD 3/4   | 3/4                       | 73 | 62 | 15   | 20,7 | 10 | 40,3 | 64035870000     |
| GPN 640 HD 1     | 1                         | 83 | 72 | 20   | 27   | 10 | 40,3 | 64031780000     |
| GPN 640 HD 1 1/4 | 1 1/4                     | 98 | 81 | 26,5 | 33,5 | 10 | 40,3 | 64035880000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**Better fit.**

Protection for SAE flanges.



**Saves time.**

With ring lug for easy handling.



**More versatile.**

Larger tolerances accommodated by ribs.



**Better.**

With clamping ribs and positioning bars for reliable fit.



**Seals better.**

Protection against foreign objects > 1 mm



# Flange Covers

## GPN 650 Type A

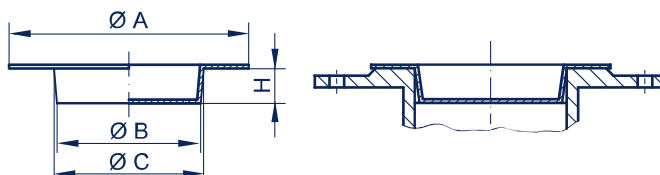
### Application

The flange covers GPN 650 Type A protect flanges in accordance with DIN EN 1092-1 and DIN 28117 against damage and dirt, seal the opening and protect the sealing face of the flange fitting.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



| Article       | Nominal width mm | A   | B   | C     | H    | PCR-PE blue | PCR-PE / PE-LD yellow | PE-LD yellow    |
|---------------|------------------|-----|-----|-------|------|-------------|-----------------------|-----------------|
|               |                  |     |     |       |      | 100% PCR    | Recycling blend       | Virgin material |
| GPN 650 / 15  | 15               | 45  | 14  | 16,8  | 10   | 6500015RB61 | 65000150073           | 65000150000     |
| GPN 650 / 20  | 20               | 58  | 19  | 22,8  | 15   | 6500020RB61 | 65000200073           | 65000200000     |
| GPN 650 / 25  | 25               | 68  | 23  | 27    | 15   | 6500025RB61 | 65000250073           | 65000250000     |
| GPN 650 / 32  | 32               | 78  | 30  | 34    | 14,8 | 6500032RB61 | 65000320073           | 65000320000     |
| GPN 650 / 40  | 40               | 88  | 38  | 42    | 15   | 6500040RB61 | 65000400073           | 65000400000     |
| GPN 650 / 50  | 50               | 102 | 48  | 52    | 15   | 6500050RB61 | 65000500073           | 65000500000     |
| GPN 650 / 65  | 65               | 122 | 62  | 67,8  | 20   | 6500065RB61 | 65000650073           | 65000650000     |
| GPN 650 / 70  | 70               | 128 | 67  | 73,4  | 20   | 6500070RB61 | 65000700073           | 65000700000     |
| GPN 650 / 80  | 80               | 138 | 77  | 82,8  | 20   | 6500080RB61 | 65000800073           | 65000800000     |
| GPN 650 / 100 | 100              | 162 | 97  | 103,3 | 20   | 6500100RB61 | 65001000073           | 65001000000     |
| GPN 650 / 125 | 125              | 205 | 122 | 127,6 | 20   | 6500125RB61 | 65001250073           | 65001250000     |
| GPN 650 / 140 | 140              | 220 | 137 | 143,8 | 20   | 6500140RB61 | 65001400073           | 65001400000     |
| GPN 650 / 150 | 150              | 245 | 147 | 152,8 | 20   | 6500150RB61 | 65001500073           | 65001500000     |
| GPN 650 / 200 | 200              | 300 | 197 | 202   | 18   |             |                       | 65002000000     |
| GPN 650 / 250 | 250              | 395 | 248 | 252   | 18   |             |                       | 65002500000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



**Better fit.**

Protection for flanges in accordance with DIN EN 1092-1 and DIN EN 28117.



**Better.**

Closes the opening and protects the sealing face of the flange fitting.



**Seals better.**

Protection against foreign objects > 1 mm



# Flange Covers

## GPN 650 Type B

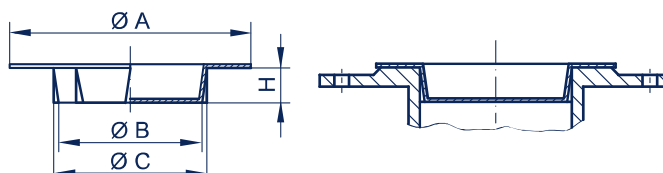
### Application

The flange covers GPN 650 Type B protect flanges in accordance with DIN EN 1092-1 and DIN 28117 against damage and dirt, seal the opening and protect the sealing face of the flange fitting. The flange covers have additional clamping ribs on the tapered shaft to accommodate larger tolerances.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



| Article         | Nominal width mm | A   | B    | C    | H  | PCR-PE blue | PCR-PE / PE-LD yellow | PE-LD yellow    |
|-----------------|------------------|-----|------|------|----|-------------|-----------------------|-----------------|
|                 |                  |     |      |      |    | 100% PCR    | Recycling blend       | Virgin material |
| GPN 650 / 10-R  | 10               | 40  | 7,5  | 10,5 | 10 | 6510010RB61 | 65100100073           | 65100100000     |
| GPN 650 / 15-R  | 15               | 45  | 12,5 | 15,8 | 10 | 6510015RB61 | 65100150073           | 65100150000     |
| GPN 650 / 20-R  | 20               | 59  | 16   | 22   | 15 | 6510020RB61 | 65100200073           | 65100200000     |
| GPN 650 / 25-R  | 25               | 68  | 21   | 26   | 15 | 6510025RB61 | 65100250073           | 65100250000     |
| GPN 650 / 32-R  | 32               | 78  | 28   | 33,5 | 15 | 6510032RB61 | 65100320073           | 65100320000     |
| GPN 650 / 40-R  | 40               | 88  | 36   | 41,5 | 15 | 6510040RB61 | 65100400073           | 65100400000     |
| GPN 650 / 50-R  | 50               | 102 | 46   | 51   | 15 | 6510050RB61 | 65100500073           | 65100500000     |
| GPN 650 / 65-R  | 65               | 122 | 60   | 66   | 20 | 6510065RB61 | 65100650073           | 65100650000     |
| GPN 650 / 80-R  | 80               | 138 | 74,5 | 81   | 20 | 6510080RB61 | 65100800073           | 65100800000     |
| GPN 650 / 100-R | 100              | 162 | 93   | 102  | 20 | 6510100RB61 | 65101000073           | 65101000000     |
| GPN 650 / 125-R | 125              | 205 | 118  | 127  | 20 | 6510125RB61 | 65101250073           | 65101250000     |
| GPN 650 / 150-R | 150              | 245 | 140  | 152  | 20 | 6510150RB61 | 65101500073           | 65101500000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



#### Better fit.

Protection for flanges in accordance with DIN EN 1092-1 and DIN EN 28117.



#### More versatile.

Design B with additional clamping ribs for accommodating larger tolerances.



#### Better.

Closes the opening and protects the sealing face of the flange fitting.



#### Seals better.

Protection against foreign objects > 1 mm

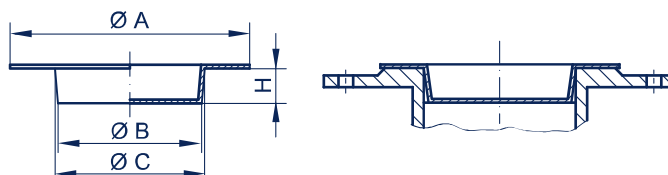


# Flange Covers

## GPN 655 Type A

### Application

The flange covers GPN 655 Type A protect flanges in accordance to ANSI/ASME B 16.5 against damage and dirt, seal the opening and protect the sealing face of the flange fitting. Clamping is achieved by the tapered design.



**PE-LLD  
yellow**

| Article       | Nominal width mm | A   | B   | C   | H    | Virgin material |
|---------------|------------------|-----|-----|-----|------|-----------------|
| GPN 655 / 200 | 200              | 270 | 208 | 210 | 18   | 65502000000     |
| GPN 655 / 250 | 250              | 375 | 255 | 261 | 20,5 | 65502500000     |
| GPN 655 / 300 | 300              | 375 | 308 | 313 | 22   | 65503000000     |
| GPN 655 / 350 | 350              | 440 | 341 | 346 | 22,5 | 65503500000     |
| GPN 655 / 400 | 400              | 490 | 398 | 408 | 30   | 65504000000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



#### Better fit.

Protection for flanges in accordance with ANSI/ASME B 16.5.



#### Better.

Closes the opening and protects the sealing face of the flange fitting.



#### More resource-saving.

Blend of post-consumer recycle and virgin material



#### Seals better.

Protection against foreign objects > 1 mm



# Flange Covers

## GPN 655 Type B

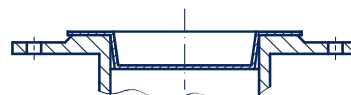
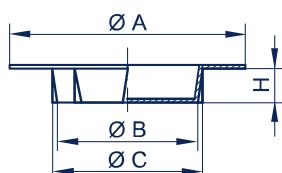
### Application

The flange covers GPN 650 Type B protect flanges in accordance with ANSI/ASME B 16.5 against damage and dirt, seal the opening and protect the sealing face of the flange fitting. The flange covers have additional clamping ribs on the tapered shaft to accommodate larger tolerances.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



**PCR-PE  
blue**

**PCR-PE / PE-LD  
yellow**

**PE-LD  
yellow**

| Article         | Nominal width mm | A   | B     | C     | H  | 100% PCR    | Recycling blend | Virgin material |
|-----------------|------------------|-----|-------|-------|----|-------------|-----------------|-----------------|
| GPN 655 / 15-R  | 15               | 75  | 16,7  | 17,8  | 10 | 6550015RB61 | 65500150073     | 65500150000     |
| GPN 655 / 25-R  | 25               | 100 | 27,3  | 28,8  | 15 | 6550025RB61 | 65500250073     | 65500250000     |
| GPN 655 / 32-R  | 32               | 110 | 36,5  | 38,5  | 15 | 6550032RB61 | 65500320073     | 65500320000     |
| GPN 655 / 40-R  | 40               | 125 | 42    | 44,4  | 15 | 6550040RB61 | 65500400073     | 65500400000     |
| GPN 655 / 50-R  | 50               | 135 | 55    | 56,5  | 15 | 6550050RB61 | 65500500073     | 65500500000     |
| GPN 655 / 65-R  | 65               | 122 | 68    | 71    | 20 | 6550065RB61 | 65500650073     | 65500650000     |
| GPN 655 / 80-R  | 80               | 138 | 81    | 83,1  | 20 | 6550080RB61 | 65500800073     | 65500800000     |
| GPN 655 / 100-R | 100              | 190 | 106   | 108,5 | 20 | 6550100RB61 | 65501000073     | 65501000000     |
| GPN 655 / 125-R | 125              | 225 | 131,5 | 134   | 20 | 6550125RB61 | 65501250073     | 65501250000     |
| GPN 655 / 150-R | 150              | 270 | 160   | 161,5 | 20 | 6550150RB61 | 65501500073     | 65501500000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



**Better fit.**

Protection for flanges in accordance with ANSI/ASME B 16.5.



**More versatile.**

Design B with additional clamping ribs for accommodating larger tolerances.



**Better.**

Closes the opening and protects the sealing face of the flange fitting.



**Seals better.**

Protection against foreign objects > 1 mm



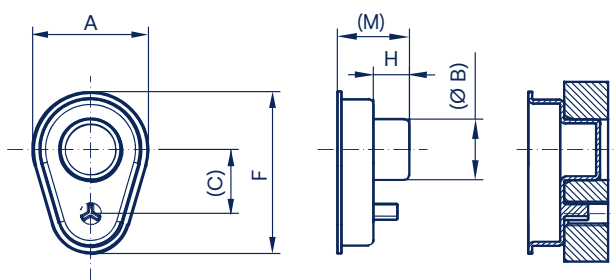
**NEW**

## Application

Reliable protection for cooling and air conditioning systems – maximum performance starts with protected connectors.

The GPN 660 series has been specially developed to effectively protect female connectors in the thermal management systems of electric vehicles.

Our precisely fitting plugs prevent the ingress of dirt, moisture and foreign particles and protect the connectors from mechanical damage during transport, storage and assembly. In doing so, they ensure consistent cooling performance, extend the service life of the components and contribute to the reliable operation of the entire system.


**PCR-PE**  
**blue**
**100% PCR**

| Article       | A  | F    | B     | C  | H | M  |             |
|---------------|----|------|-------|----|---|----|-------------|
| GPN 660 NW 11 | 29 | 41,5 | 11,1  | 17 | 9 | 18 | 66000110000 |
| GPN 660 NW 14 | 29 | 41,5 | 14,4  | 17 | 9 | 18 | 66000140000 |
| GPN 660 NW 15 | 29 | 40,5 | 15,24 | 16 | 9 | 22 | 66000150000 |
| GPN 660 NW 17 | 29 | 43,5 | 17,5  | 19 | 9 | 18 | 66000170000 |
| GPN 660 NW 21 | 31 | 43,5 | 20,7  | 19 | 9 | 18 | 66000210000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Our product advantages at a glance:


**Better.**

Closes the opening and protects the sealing face of the flange fitting.


**Better fit.**

Protects open plug-in couplings, and particularly their thread.


**More resource-saving.**

The plastic used consists of 100 % recycled material.

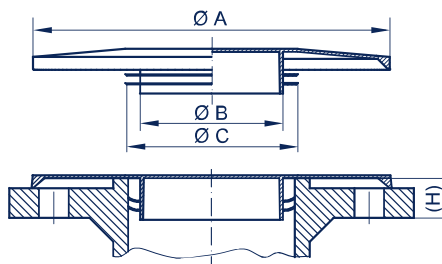

**Seals better.**

Protection against foreign objects >1 mm



## Application

The flange covers GPN 670 protect flanges in accordance with DIN EN 12351 against damage and dirt, seal the opening and cover sealing strips and screw holes. Ribs accommodate larger tolerances. Unlike most other flange covers, the visible exterior of the flange cover is designed without a recess in the middle and is therefore flat, ensuring an attractive appearance.



**PE-LLD  
yellow**

| Article        | Nominal width mm | Nominal width inch | A   | B   | C   | H  | Virgin material |
|----------------|------------------|--------------------|-----|-----|-----|----|-----------------|
| GPN 670 DN 10  | 10               | 3/8                | 86  | 7   | 14  | 14 | 67000100000     |
| GPN 670 DN 15  | 15               | 1/2                | 90  | 10  | 19  | 14 | 67000150000     |
| GPN 670 DN 20  | 20               | 3/4                | 100 | 14  | 24  | 14 | 67000200000     |
| GPN 670 DN 25  | 25               | 1                  | 110 | 19  | 30  | 19 | 67000250000     |
| GPN 670 DN 32  | 32               | 1 1/4              | 136 | 25  | 39  | 19 | 67000320000     |
| GPN 670 DN 40  | 40               | 1 1/2              | 146 | 30  | 45  | 19 | 67000400000     |
| GPN 670 DN 50  | 50               | 2                  | 160 | 40  | 56  | 19 | 67000500000     |
| GPN 670 DN 65  | 65               | 2 1/2              | 180 | 53  | 72  | 19 | 67000650000     |
| GPN 670 DN 80  | 80               | 3                  | 196 | 65  | 85  | 24 | 67000800000     |
| GPN 670 DN 100 | 100              | 4                  | 216 | 87  | 109 | 24 | 67001000000     |
| GPN 670 DN 125 | 125              | 5                  | 246 | 106 | 134 | 24 | 67001250000     |
| GPN 670 DN 150 | 150              | 6                  | 280 | 135 | 161 | 34 | 67001500000     |
| GPN 670 DN 200 | 200              | 8                  | 345 | 185 | 209 | 34 | 67002000000     |
| GPN 670 DN 250 | 250              | 10                 | 400 | 238 | 262 | 34 | 67002500000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for internal use

| Article        | PN 10-16 | PN 25-40 | PN 64 | PN 100 | PN 160 | PN 250 | PN 320 | PN 400 | Cl. 300 | Cl. 400 | Cl. 600 | Cl. 900 | Cl. 1500 | Cl. 2500 |
|----------------|----------|----------|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|----------|----------|
| GPN 670 DN 10  | x        | x        | x     | x      | x      | x      | x      | x      |         |         |         |         |          |          |
| GPN 670 DN 15  | x        | x        | x     | x      | x      | x      | x      |        | x       | x       | x       | x       | x        | x        |
| GPN 670 DN 20  | x        | x        | x     | x      | x      | x      | x      | x      | x       | x       | x       | x       | x        | x        |
| GPN 670 DN 25  | x        | x        | x     | x      | x      | x      | x      |        | x       | x       | x       | x       | x        | x        |
| GPN 670 DN 32  | x        | x        | x     | x      | x      | x      | x      |        | x       | x       | x       | x       | x        | x        |
| GPN 670 DN 40  | x        | x        | x     | x      | x      | x      | x      |        | x       | x       | x       | x       | x        | x        |
| GPN 670 DN 50  | x        | x        | x     | x      | x      | x      | x      |        | x       | x       | x       |         |          |          |
| GPN 670 DN 65  | x        | x        | x     | x      | x      | x      | x      |        | x       | x       | x       | x       |          |          |
| GPN 670 DN 80  | x        | x        | x     | x      | x      |        |        |        | x       | x       | x       | x       |          |          |
| GPN 670 DN 100 | x        | x        | x     | x      | x      |        |        |        | x       | x       |         |         |          |          |
| GPN 670 DN 125 | x        | x        | x     | x      | x      |        |        |        | x       | x       |         |         |          |          |
| GPN 670 DN 150 | x        | x        | x     |        |        |        |        |        | x       | x       |         |         |          |          |
| GPN 670 DN 200 | x        | x        | x     |        |        |        |        |        | x       | x       |         |         |          |          |
| GPN 670 DN 250 | x        | x        | x     |        |        |        |        |        | x       | x       |         |         |          |          |

This application table is a guide. We will be happy to send you free test samples. For openings and bores without threads, please select according to functional dimensions B and C.



## Flange Covers GPN 670

Your added values:



**Better fit.**

Protection for flanges in accordance with DIN EN 12351. Suitable for PN 10 through PN 400 and DN 10 through DN 250 in accordance with DIN 2501 part 1, ANSI/ASME B 16.5, BS 4504 and BS 1560, and BASF-Werknorm 14-150.



**More versatile.**

Larger tolerances accommodated by ribs.



**Better.**

Closes the opening and covers sealing face and internal threads. Prevents accidental dislodging.



**Seals better.**

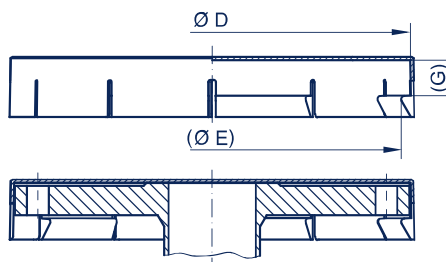
Protection against foreign objects >1 mm





## Application

The GPN 680 flange caps are suitable for the protection of flanges as per DIN EN 12351 and are particularly ideal for protecting fittings with solid linings or a conical bore hole from damage and dirt. The hook-snaps ensure a firm fit on the application.



**PE-LLD  
yellow**

| Article        | Nominal width mm | Nominal pressure | D   | E   | G  | Virgin material |
|----------------|------------------|------------------|-----|-----|----|-----------------|
| GPN 680 DN 10  | 10               | 10; 16; 25; 40   | 90  | 81  | 17 | 68000100000     |
| GPN 680 DN 15  | 15               | 10; 16; 25; 40   | 95  | 86  | 17 | 68000150000     |
| GPN 680 DN 20  | 20               | 10; 16; 25; 40   | 105 | 96  | 19 | 68000200000     |
| GPN 680 DN 25  | 25               | 10; 16; 25; 40   | 115 | 106 | 19 | 68000250000     |
| GPN 680 DN 32  | 32               | 10; 16; 25; 40   | 140 | 131 | 19 | 68000320000     |
| GPN 680 DN 40  | 40               | 10; 16; 25; 40   | 150 | 141 | 19 | 68000400000     |
| GPN 680 DN 50  | 50               | 10; 16; 25; 40   | 165 | 156 | 21 | 68000500000     |
| GPN 680 DN 65  | 65               | 10; 16; 25; 40   | 185 | 176 | 22 | 68000650000     |
| GPN 680 DN 80  | 80               | 10; 16; 25; 40   | 200 | 191 | 24 | 68000800000     |
| GPN 680 DN 100 | 100              | 10; 16           | 220 | 211 | 24 | 68001000000     |
| GPN 680 DN 125 | 125              | 10; 16           | 250 | 241 | 25 | 68001250000     |
| GPN 680 DN 150 | 150              | 10; 16           | 285 | 276 | 25 | 68001500000     |
| GPN 680 DN 200 | 200              | 10; 16           | 340 | 331 | 27 | 68002000000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Better fit.

Protection for flanges in accordance with DIN EN 12351.



### Better.

Particularly suitable for fittings with solid lining or tapered bore holes. With hook-snaps for firm fit.



### Seals better.

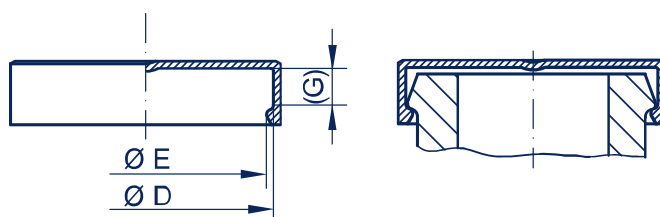
Protection against foreign objects >1 mm



## Application

The GPN 690 protective caps protect SAE flange collars, pipe ends and hose fittings from damage and dirt. The circumferential bead ensures a firm fit on the application with easy handling.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article        | Nominal width mm | Nominal width inch | D    | E    | G    | PCR-PE<br>blue | PCR-PE / PE-LD<br>yellow | PE-LD<br>yellow |
|----------------|------------------|--------------------|------|------|------|----------------|--------------------------|-----------------|
|                |                  |                    |      |      |      | 100% PCR       | Recycling blend          | Virgin material |
| GPN 690 / 3001 | 12               | 1/2                | 30,2 | 29,4 | 6,9  | 6903001RB61    | 69030010073              | 69030010000     |
| GPN 690 / 6001 | 12               | 1/2                | 31,7 | 30,9 | 7,9  | 6906001RB61    | 69060010073              | 69060010000     |
| GPN 690 / 3002 | 20               | 3/4                | 38,1 | 37,3 | 6,9  | 6903002RB61    | 69030020073              | 69030020000     |
| GPN 690 / 6002 | 20               | 3/4                | 41,3 | 40,5 | 8,9  | 6906002RB61    | 69060020073              | 69060020000     |
| GPN 690 / 3003 | 25               | 1                  | 44,4 | 43,6 | 8,1  | 6903003RB61    | 69030030073              | 69030030000     |
| GPN 690 / 6003 | 25               | 1                  | 47,6 | 46,4 | 9,5  | 6906003RB61    | 69060030073              | 69060030000     |
| GPN 690 / 3004 | 32               | 1 1/4              | 50,8 | 50   | 8,1  | 6903004RB61    | 69030040073              | 69030040000     |
| GPN 690 / 6004 | 32               | 1 1/4              | 54   | 53,2 | 10,4 | 6906004RB61    | 69060040073              | 69060040000     |
| GPN 690 / 3005 | 40               | 1 1/2              | 60,3 | 59,5 | 8,1  | 6903005RB61    | 69030050073              | 69030050000     |
| GPN 690 / 6005 | 40               | 1 1/2              | 63,5 | 62,5 | 12,7 | 6906005RB61    | 69060050073              | 69060050000     |
| GPN 690 / 3006 | 50               | 2                  | 71,4 | 70,6 | 9,7  | 6903006RB61    | 69030060073              | 69030060000     |
| GPN 690 / 6006 | 50               | 2                  | 79,4 | 78,6 | 12,7 |                |                          | 69060060000     |
| GPN 690 / 0090 |                  |                    | 90,3 | 88,3 | 9    |                |                          | 69000900000     |
| GPN 690 / 0106 |                  |                    | 106  | 104  | 10   |                |                          | 69001060000     |
| GPN 690 / 0125 |                  |                    | 125  | 123  | 11   |                |                          | 69001250000     |
| GPN 690 / 0150 |                  |                    | 150  | 148  | 12   |                |                          | 69001500000     |
| GPN 690 / 0213 |                  |                    | 213  | 211  | 16   |                |                          | 69002130000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Standard values for use with SAE flanges

| Article        | Pressure rating 3000 PSI (210 bar) |       | Pressure rating 6000 PSI (420 bar) |       |
|----------------|------------------------------------|-------|------------------------------------|-------|
|                | mm                                 | inch  | mm                                 | inch  |
| GPN 690 / 3001 | 12                                 | 1/2   |                                    |       |
| GPN 690 / 6001 |                                    |       | 12                                 | 1/2   |
| GPN 690 / 3002 | 20                                 | 3/4   |                                    |       |
| GPN 690 / 6002 |                                    |       | 20                                 | 3/4   |
| GPN 690 / 3003 | 25                                 | 1     |                                    |       |
| GPN 690 / 6003 |                                    |       | 25                                 | 1     |
| GPN 690 / 3004 | 32                                 | 1 1/4 |                                    |       |
| GPN 690 / 6004 |                                    |       | 32                                 | 1 1/4 |
| GPN 690 / 3005 | 40                                 | 1 1/2 |                                    |       |
| GPN 690 / 6005 |                                    |       | 40                                 | 1 1/2 |
| GPN 690 / 3006 | 50                                 | 2     |                                    |       |
| GPN 690 / 6006 |                                    |       | 50                                 | 2     |

This application table represents guideline values. We would be pleased to send you free samples.

The versions shown opposite have been specially developed to cover SAE flanges. Pressure ratings: 3000 PSI and 6000 PSI.





**Better fit.**

Protection for SAE flange collars.



**Better.**

Also suitable for pipe ends and hose-fittings. A circumferential rim ensures firm fit and easy handling.



**Seals better.**

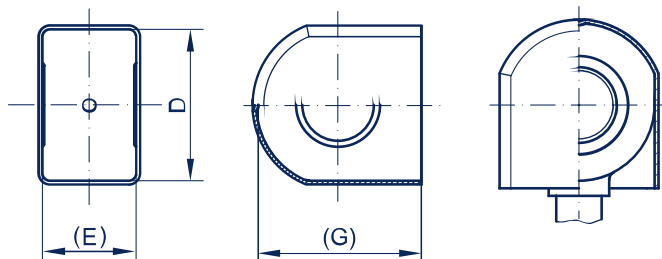
Protection against foreign objects >1 mm



## Protective Covers GPN 695

### Application

The GPN 695 protective covers are suitable for banjo unions as per DIN 7642 Type B and E as well as for non-standardised banjo unions. The clamping ring sits in the ring opening of the banjo bolt and prevents the ingress of dirt.



**PE-HD  
yellow**

| Article       | DIN 7642 B/E Outer pipe diameter | D    | E    | G    | Virgin material |
|---------------|----------------------------------|------|------|------|-----------------|
| GPN 695 BE 6  | 6                                | 17   | 9,8  | 19,6 | 69500060000     |
| GPN 695 BE 8  | 8                                | 20   | 11,6 | 23,5 | 69500080000     |
| GPN 695 BE 10 | 10                               | 24   | 13,8 | 27,6 | 69500100000     |
| GPN 695 BE 12 | 12                               | 28   | 15,8 | 31,2 | 69500120000     |
| GPN 695 BE 15 | 15                               | 32,2 | 19,6 | 35,3 | 69500150000     |
| GPN 695 BE 18 | 18                               | 40   | 24,8 | 43   | 69500180000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



#### Better fit.

Suitable for ring-fittings in accordance with DIN 7642 design B and E.



#### Better.

The internal clamping ring is centered in the ring opening of the hollow screw, thereby preventing an ingress of dirt. Also suitable for non standard ring-type nipples.



#### Seals better.

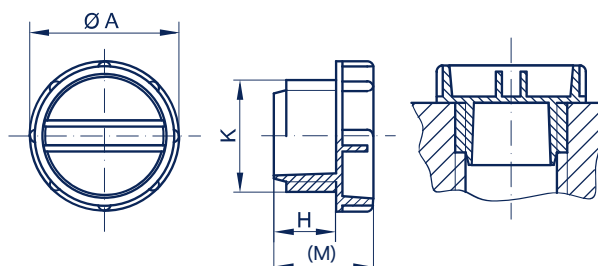
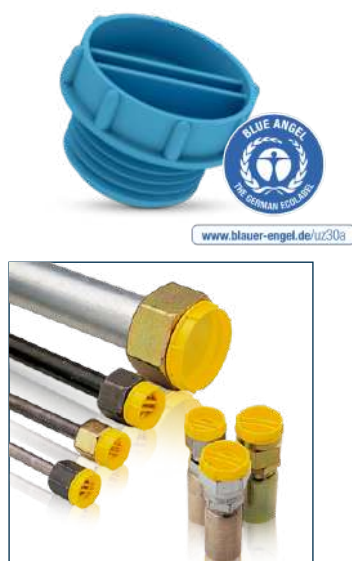
Protection against foreign objects >1 mm



## Application

The GPN 700 screw plugs are suitable for a wide range of internal threads and pipe threads in accordance with DIN EN ISO 228-1. Up to medium sizes, the easy-to-grip head for manual assembly also features a slot so that screwdrivers may be used for fitting.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article               | A    | Thread K      | H    | M    | PCR-PE-HD<br>blue | PE-HD<br>yellow |
|-----------------------|------|---------------|------|------|-------------------|-----------------|
|                       |      |               |      |      | 100% PCR          | Virgin material |
| GPN 700 M 6           | 12   | M 6           | 7    | 12   | 7000006RB22       | 70000060000     |
| GPN 700 M 6 x 0,75    | 12   | M 6 x 0,75    | 7    | 12   | 7006075RB22       | 70060750000     |
| GPN 700 M 8           | 12   | M 8           | 7    | 12   | 7000008RB22       | 70000080000     |
| GPN 700 M 10          | 14   | M 10          | 9    | 14   | 7000010RB22       | 70000100000     |
| GPN 700 M 12          | 16   | M 12          | 9    | 14   | 7000012RB22       | 70000120000     |
| GPN 700 M 14          | 19   | M 14          | 9    | 14   | 7000014RB22       | 70000140000     |
| GPN 700 M 16          | 21   | M 16          | 10   | 16   | 7000016RB22       | 70000160000     |
| GPN 700 M 18          | 24   | M 18          | 10   | 16   | 7000018RB22       | 70000180000     |
| GPN 700 M 20          | 26   | M 20          | 12   | 18   | 7000020RB22       | 70000200000     |
| GPN 700 M 22          | 28   | M 22          | 12   | 18   | 7000022RB22       | 70000220000     |
| GPN 700 M 24          | 31,5 | M 24          | 10   | 18   | 7000024RB22       | 70000240000     |
| GPN 700 M 30          | 35,4 | M 30          | 17,7 | 26   | 7000030RB22       | 70000300000     |
| GPN 700 M 36          | 43,6 | M 36          | 18   | 28   | 7000036RB22       | 70000360000     |
| GPN 700 M 42          | 51,7 | M 42          | 17,7 | 27,8 | 7000042RB22       | 70000420000     |
| GPN 700 M 8 x 1       | 12   | M 8 x 1       | 7    | 12   | 7000810RB22       | 70008100000     |
| GPN 700 M 10 x 1      | 14   | M 10 x 1      | 9    | 14   | 7001010RB22       | 70010100000     |
| GPN 700 M 12 x 1      | 16   | M 12 x 1      | 9    | 14   | 7001210RB22       | 70012100000     |
| GPN 700 M 14 x 1      | 19   | M 14 x 1      | 9    | 14   | 7001410RB22       | 70014100000     |
| GPN 700 M 18 x 1      | 24   | M 18 x 1      | 10   | 16   | 7001810RB22       | 70018100000     |
| GPN 700 M 12 x 1,5    | 16   | M 12 x 1,5    | 9    | 14   | 7001215RB22       | 70012150000     |
| GPN 700 M 14 x 1,5    | 19   | M 14 x 1,5    | 9    | 14   | 7001415RB22       | 70014150000     |
| GPN 700 M 16 x 1,5    | 21   | M 16 x 1,5    | 10   | 16   | 7001615RB22       | 70016150000     |
| GPN 700 M 18 x 1,5    | 24   | M 18 x 1,5    | 10   | 16   | 7001815RB22       | 70018150000     |
| GPN 700 M 20 x 1,5    | 26   | M 20 x 1,5    | 12   | 18   | 7002015RB22       | 70020150000     |
| GPN 700 M 22 x 1,5    | 28   | M 22 x 1,5    | 12   | 18   | 7002215RB22       | 70022150000     |
| GPN 700 M 24 x 1,5    | 31,5 | M 24 x 1,5    | 10   | 18   | 7002415RB22       | 70024150000     |
| GPN 700 M 26 x 1,5    | 31,5 | M 26 x 1,5    | 12   | 20   | 7002615RB22       | 70026150000     |
| GPN 700 M 30 x 1,5*   | 36   | M 30 x 1,5    | 12   | 20   | 7003015RB22       | 70030150000     |
| GPN 700 M 36 x 1,5*   | 44   | M 36 x 1,5    | 13   | 23   | 7003615RB22       | 70036150000     |
| GPN 700 M 42 x 1,5*   | 51   | M 42 x 1,5    | 15   | 25   | 7004215RB22       | 70042150000     |
| GPN 700 M 45 x 1,5*   | 55   | M 45 x 1,5    | 15   | 25   | 7004515RB22       | 70045150000     |
| GPN 700 M 52 x 1,5*   | 60   | M 52 x 1,5    | 15   | 25   | 7005215RB22       | 70052150000     |
| GPN 700 M 24 x 2*     | 31,5 | M 24 x 2      | 10   | 18   | 7002420RB22       | 70024200000     |
| GPN 700 M 27 x 2*     | 32   | M 27 x 2      | 12   | 20   | 7002720RB22       | 70027200000     |
| GPN 700 M 30 x 2*     | 36   | M 30 x 2      | 12   | 20   | 7003020RB22       | 70030200000     |
| GPN 700 M 33 x 2*     | 39   | M 33 x 2      | 13   | 23   | 7003320RB22       | 70033200000     |
| GPN 700 M 36 x 2*     | 44   | M 36 x 2      | 13   | 23   | 7003620RB22       | 70036200000     |
| GPN 700 M 42 x 2*     | 52   | M 42 x 2      | 15   | 25   | 7004220RB22       | 70042200000     |
| GPN 700 M 45 x 2*     | 55   | M 45 x 2      | 15   | 25   | 7004520RB22       | 70045200000     |
| GPN 700 M 52 x 2*     | 60   | M 52 x 2      | 15   | 25   | 7005220RB22       | 70052200000     |
| GPN 700 G 1/8         | 14   | G 1/8         | 9    | 14   | 7000371RB22       | 70003710000     |
| GPN 700 G 1/4*        | 19   | G 1/4         | 9    | 14   | 7000400RB22       | 70004000000     |
| GPN 700 G 3/8         | 21   | G 3/8         | 10   | 16   | 7000386RB22       | 70003860000     |
| GPN 700 G 1/2         | 26   | G 1/2         | 12   | 18   | 7000395RB22       | 70003950000     |
| GPN 700 G 5/8         | 28   | G 5/8         | 12   | 18   | 7000401RB22       | 70004010000     |
| GPN 700 G 3/4         | 31,5 | G 3/4         | 12   | 20   | 7003371RB22       | 70033710000     |
| GPN 700 3/8 - 24 UNF  | 14   | 3/8 - 24 UNF  | 9    | 14   | 7003194RB22       | 70031940000     |
| GPN 700 1/4 - 18 NPTF | 19   | 1/4 - 18 NPTF | 10   | 15   | 7000591RB22       | 70005910000     |
| GPN 700 7/16 - 20 UNF | 16   | 7/16 - 20 UNF | 9    | 14   | 7000497RB22       | 70004970000     |
| GPN 700 1/2 - 20 UNF  | 16   | 1/2 - 20 UNF  | 9    | 14   | 7003191RB22       | 70031910000     |
| GPN 700 9/16 - 18 UNF | 19   | 9/16 - 18 UNF | 9    | 14   | 7000498RB22       | 70004980000     |
| GPN 700 1/4 - 28 UNF* | 12   | 1/4 - 28 UNF  | 7    | 12   | 7007229RB22       | 70072290000     |
| GPN 700 5/8 - 18 UNF  | 21   | 5/8 - 18 UNF  | 10   | 16   | 7005084RB22       | 70050840000     |
| GPN 700 3/4 - 16 UNF  | 26   | 3/4 - 16 UNF  | 12   | 18   | 7003192RB22       | 70031920000     |



# Screw Plugs GPN 700



**PCR-PE-HD  
blue**

**PE-HD  
yellow**

| Article                 | A  | Thread K       | H  | M  | 100% PCR    | Virgin material |
|-------------------------|----|----------------|----|----|-------------|-----------------|
| GPN 700 7/8 - 14 UNF    | 28 | 7/8 - 14 UNF   | 12 | 18 | 7000496RB22 | 70004960000     |
| GPN 700 1 - 14 UNS      | 32 | 1 - 14 UNS     | 10 | 18 | 7007233RB22 | 70072330000     |
| GPN 700 1 1/16 - 12 UN* | 32 | 1 1/16 - 12 UN | 12 | 20 | 7003193RB22 | 70031930000     |
| GPN 700 1 5/16 - 12 UN* | 42 | 1 5/16 - 12 UN | 13 | 23 | 7005951RB22 | 70059510000     |
| GPN 700 1 5/8 - 12 UN*  | 52 | 1 5/8 - 12 UN  | 15 | 25 | 7007241RB22 | 70072410000     |
| GPN 700 1 7/8 - 12 UN*  | 57 | 1 7/8 - 12 UN  | 15 | 25 | 7007245RB22 | 70072450000     |

Dimensions in mm.

\*Head without slot.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More resource-saving.

This standard series is available from PCR, saves CO2e emissions and conserves resources.



### Better.

Easy-to-grip head for manual assembly. The small to medium sizes feature a slot so that screwdrivers can be used for installation.



### Better fit.

Suitable for a wide range of metric and imperial threads, as well as pipe threads in accordance with DIN EN ISO 228-1.



### Seals better.

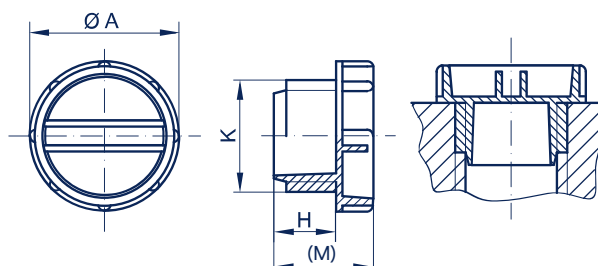
Protection against foreign objects >1 mm



## Application

The GPN 703 screw plugs are suitable for many different internal threads and have just 2 ½ thread pitches for faster fitting.

All information about 100% PCR and the recycling blend can be found at [www.poeppele.com/en/kapsto/Responsibility.html](http://www.poeppele.com/en/kapsto/Responsibility.html)



| Article            | A    | Thread K   | H    | M    | 100% PCR    | Recycling blend | Virgin material |
|--------------------|------|------------|------|------|-------------|-----------------|-----------------|
| GPN 703 M 10 x 1   | 14,5 | M 10 x 1   | 4    | 9    | 7031010RB61 | 70310100073     | 70310100000     |
| GPN 703 M 12 x 1,5 | 17,5 | M 12 x 1,5 | 6    | 11   | 7031215RB61 | 70312150073     | 70312150000     |
| GPN 703 M 14 x 1,5 | 19   | M 14 x 1,5 | 6    | 11   | 7031415RB61 | 70314150073     | 70314150000     |
| GPN 703 M 16 x 1,5 | 22,5 | M 16 x 1,5 | 6,5  | 12,5 | 7031615RB61 | 70316150073     | 70316150000     |
| GPN 703 M 18 x 1,5 | 24   | M 18 x 1,5 | 7    | 16   | 7031815RB61 | 70318150073     | 70318150000     |
| GPN 703 M 20 x 1,5 | 26   | M 20 x 1,5 | 7    | 13   | 7032015RB61 | 70320150073     | 70320150000     |
| GPN 703 M 22 x 1,5 | 27,5 | M 22 x 1,5 | 7    | 13   | 7032215RB61 | 70322150073     | 70322150000     |
| GPN 703 M 24 x 1,5 | 29,5 | M 24 x 1,5 | 7    | 18   | 7032415RB61 | 70324150073     | 70324150000     |
| GPN 703 M 26 x 1,5 | 32   | M 26 x 1,5 | 14,5 | 22,5 | 7032615RB61 | 70326150073     | 70326150000     |
| GPN 703 M 28 x 1,5 | 34   | M 28 x 1,5 | 8    | 19   | 7032815RB61 | 70328150073     | 70328150000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**Saves time.**

Screw-stopper with only 2 ½ threads for faster installation.



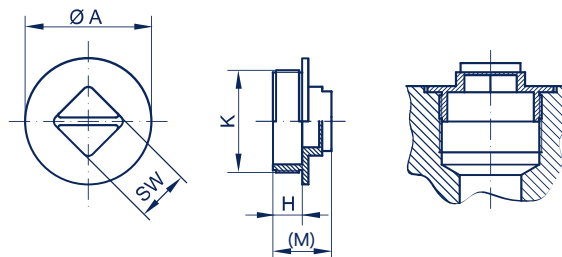
**Seals better.**

Protection against foreign objects > 1 mm



## Application

The GPN 710 screw plugs can be used for many different internal threads and feature a slotted square head for fitting with a spanner or screwdriver.



**PP-H  
black**

| Article         | A  | Thread K | H   | M  | Wrench width metric | Virgin material |
|-----------------|----|----------|-----|----|---------------------|-----------------|
| GPN 710 G 1/8   | 13 | G 1/8    | 7   | 13 | 9                   | 71081340000     |
| GPN 710 G 1/4*  | 16 | G 1/4    | 7   | 13 | 9                   | 71005640000     |
| GPN 710 G 3/8   | 21 | G 3/8    | 7   | 15 | 12                  | 71081350000     |
| GPN 710 G 1/2   | 27 | G 1/2    | 9   | 19 | 13                  | 71049880000     |
| GPN 710 G 3/4   | 34 | G 3/4    | 7   | 17 | 14                  | 71081360000     |
| GPN 710 G 1     | 41 | G 1      | 9,5 | 19 | 17                  | 71081370000     |
| GPN 710 G 1 1/4 | 52 | G 1 1/4  | 9,5 | 21 | 19                  | 71081380000     |
| GPN 710 G 1 1/2 | 60 | G 1 1/2  | 12  | 25 | 24                  | 71081390000     |
| GPN 710 G 2     | 72 | G 2      | 12  | 25 | 27                  | 71081400000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

\*Head without slot.

## Your added values:



**Better.**

With collar and slotted square head, for installation using a spanner or screwdriver.



**Seals better.**

Protection against foreign objects > 1 mm

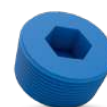
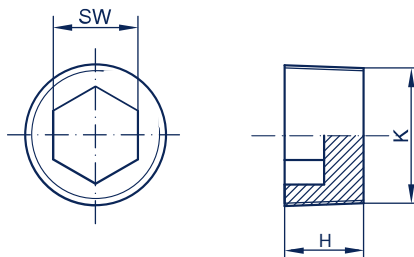


## Application

The screw plugs GPN 720 Type A are suitable for a wide range of internal threads. The thick-walled design is suitable for higher demands. The flat head and coordinated head diameter enable countersinking in the bore hole.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)

[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



**PCR-PE  
blue**



**PCR-PE / PE-LD  
yellow**



**PE-LD  
yellow**

| Article        | Thread K           | H    | Wrench width metric | wrench width inch | 100% PCR    | Recycling blend | Virgin material |
|----------------|--------------------|------|---------------------|-------------------|-------------|-----------------|-----------------|
| GPN 720 / 1766 | 1/8 - 27 NPT       | 8,5  | 5                   |                   | 7201766RB61 | 72017660073     | 72017660000     |
| GPN 720 / 1602 | 1/4 - 18 NPT       | 12,5 |                     | 1/4               | 7201602RB61 | 72016020073     | 72016020000     |
| GPN 720 / 1767 | 1/4 - 18 NPT       | 12,5 | 6                   |                   | 7201767RB61 | 72017670073     | 72017670000     |
| GPN 720 / 1601 | 3/8 - 18 NPT       | 13   | 8                   | 5/16              | 7201601RB61 | 72016010073     | 72016010000     |
| GPN 720 / 1600 | 1/2 - 14 NPT       | 16,5 |                     | 3/8               | 7201600RB61 | 72016000073     | 72016000000     |
| GPN 720 / 1768 | 1/2 - 14 NPT       | 16,5 | 10                  |                   | 7201768RB61 | 72017680073     | 72017680000     |
| GPN 720 / 1599 | 3/4 - 14 NPT       | 17   |                     | 9/16              | 7201599RB61 | 72015990073     | 72015990000     |
| GPN 720 / 1769 | 3/4 - 14 NPT       | 17   | 14                  |                   | 7201769RB61 | 72017690073     | 72017690000     |
| GPN 720 / 1598 | 1 - 11 1/2 NPT     | 21,2 |                     | 5/8               | 7201598RB61 | 72015980073     | 72015980000     |
| GPN 720 / 1770 | 1 - 11 1/2 NPT     | 21,2 | 17                  |                   | 7201770RB61 | 72017700073     | 72017700000     |
| GPN 720 / 1597 | 1 1/4 - 11 1/2 NPT | 22   | 19                  | 3/4               | 7201597RB61 | 72015970073     | 72015970000     |
| GPN 720 / 1596 | 1 1/2 - 11 1/2 NPT | 22,5 |                     | 53/64             | 7201596RB61 | 72015960073     | 72015960000     |
| GPN 720 / 1771 | 1 1/2 - 11 1/2 NPT | 22,5 | 22                  |                   | 7201771RB61 | 72017710073     | 72017710000     |
| GPN 720 / 0052 | M 16               | 16   | 8                   |                   | 7200052RB61 | 72000520073     | 72000520000     |
| GPN 720 / 8016 | M 30               | 22,5 | 19                  |                   | 7208016RB61 | 72080160073     | 72080160000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**More robust.**

Thick-walled design for higher demands.



**Better.**

Immersible screw plug with hexagonal socket.



**Seals better.**

Protection against foreign objects >1 mm



# Screw Plugs GPN 720 Type B

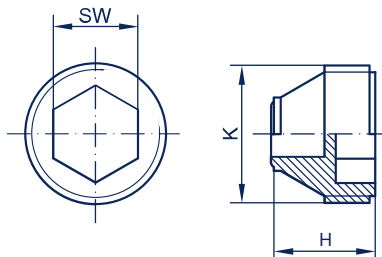
## Application

The screw plugs GPN 720 Type B are suitable for a wide range of internal threads. The sealing cone prevents the ingress or leaking of liquids within certain limits.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



**PCR-PE  
blue**

**PCR-PE / PE-LD  
yellow**

**PE-LD  
yellow**

| Article        | Thread K   | H    | Wrench width metric | 100% PCR    | Recycling blend | Virgin material |
|----------------|------------|------|---------------------|-------------|-----------------|-----------------|
| GPN 720 / 9463 | M 10 x 1   | 11,2 | 5                   | 7209463RB61 | 72094630073     | 72094630000     |
| GPN 720 / 0232 | M 16 x 1.5 | 14   | 8                   | 7200232RB61 | 72002320073     | 72002320000     |
| GPN 720 / 1763 | M 18 x 1.5 | 13,3 | 10                  | 7201763RB61 | 72017630073     | 72017630000     |
| GPN 720 / 1668 | M 20 x 1.5 | 17,4 | 13                  | 7201668RB61 | 72016680073     | 72016680000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**Seals better.**

Depending on the application, the sealing cone will prevent penetration or leaking of liquids.



**Better.**

Immersible screw plug with hexagonal socket.



**Seals better.**

Protection against foreign objects >1 mm

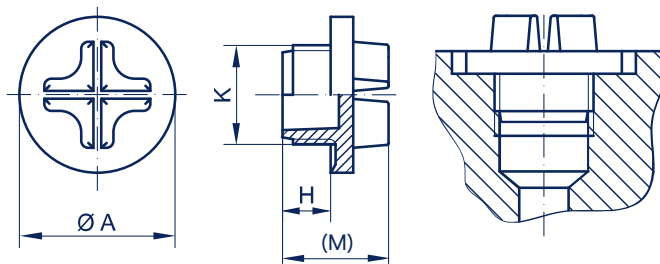
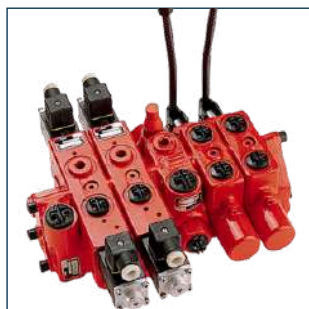


# Sealing Screw Plugs GPN 730



## Application

The GPN 730 sealing screw plugs are suitable for a wide range of metric threads to DIN 13 and pipe threads to DIN EN ISO 228-1. The robust material is suitable for higher demands. The circumferential sealing lip, which is designed without a mould seam, prevents the ingress or leaking of liquids within certain limits. Installation is carried out using a screwdriver or mechanically with a special spanner.



**PE-HD  
black**

| Article            | A    | Thread K   | H   | M    | Virgin material |
|--------------------|------|------------|-----|------|-----------------|
| GPN 730 M 10 x 1   | 18   | M 10 x 1   | 6,3 | 15   | 73010100000     |
| GPN 730 M 12 x 1,5 | 20   | M 12 x 1,5 | 6,8 | 15   | 73012150000     |
| GPN 730 M 14 x 1,5 | 22   | M 14 x 1,5 | 6,8 | 15   | 73014150000     |
| GPN 730 M 16 x 1,5 | 22   | M 16 x 1,5 | 6,8 | 15   | 73016150000     |
| GPN 730 M 18 x 1,5 | 25,7 | M 18 x 1,5 | 8   | 16,5 | 73018150000     |
| GPN 730 M 22 x 1,5 | 29,3 | M 22 x 1,5 | 10  | 21,5 | 73022150000     |
| GPN 730 M 26 x 1,5 | 34,8 | M 26 x 1,5 | 8   | 19,5 | 73026150000     |
| GPN 730 M 27 x 2   | 34,8 | M 27 x 2   | 8   | 19,5 | 73027200000     |
| GPN 730 M 33 x 2   | 40   | M 33 x 2   | 6   | 17   | 73033200000     |
| GPN 730 G 1/4      | 16,5 | G 1/4      | 8   | 16   | 73071240000     |
| GPN 730 G 3/8      | 20   | G 3/8      | 10  | 19   | 73067230000     |
| GPN 730 G 1/2      | 25   | G 1/2      | 13  | 23,8 | 73066490000     |
| GPN 730 G 3/4      | 31   | G 3/4      | 19  | 29,8 | 73073980000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

Articles for metric threads are made of PE-HD and for pipe threads of PA 6.6

## Your added values:



### More robust.

Imperial screw-plugs are made of robust PA 6.6 for increased demands.



### Seals better.

The circumferential sealing lip (no mould-parting feature) prevents the penetration or leaking of liquids depending on the application.



### Better.

Installation with screwdriver, or machine Protection against foreign objects > 1 mm with special spanner.



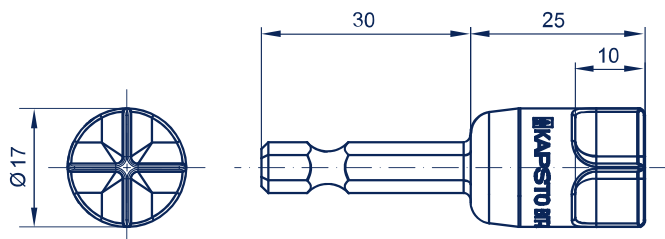
### Seals better.



# Assembly tool KAPSTO BIT

## Application

Optimum protection during production, storage or transport: KAPSTO® BIT-73X from the KAPSTO® standard range with over 3,000 versions, offers the best possible protection for your application and is always available from stock. Each protection cap or plug is available as a CAD data download. We are also happy to send you free samples for testing. Or you can contact our KAPSTO® application consultants on +49-4442-982-9100 or [kapsto@poeppelemann.com](mailto:kapsto@poeppelemann.com). This is also possible directly via our contact form.



| Article | Thread     | Standard material | Tightening torque Nm 1 GPN 730 / GPN 735 / GPN 736 |  | Tightening torque Nm2 GPN 737 / GPN 738 |  | Article number |
|---------|------------|-------------------|----------------------------------------------------|--|-----------------------------------------|--|----------------|
| BIT-73X | 1 5/8-12UN | Stainless steel   | 8                                                  |  | 2                                       |  | 11162380000    |
| BIT-73X | 1 7/8-12UN | Stainless steel   | 9                                                  |  | 3.3                                     |  | 11162380000    |
| BIT-73X | 11/16-12UN | Stainless steel   | 4                                                  |  | 2.3                                     |  | 11162380000    |
| BIT-73X | 15/16-12UN | Stainless steel   | 5                                                  |  | 3.2                                     |  | 11162380000    |
| BIT-73X | 3/4-16UNF  | Stainless steel   | 3                                                  |  | 2.3                                     |  | 11162380000    |
| BIT-73X | 7/8-14UNF  | Stainless steel   | 4                                                  |  | 2.2                                     |  | 11162380000    |
| BIT-73X | 7/16-20UNF | Stainless steel   | 1                                                  |  | 0.7                                     |  | 11162380000    |
| BIT-73X | 9/16-18UNF | Stainless steel   | 1                                                  |  | 1.5                                     |  | 11162380000    |
| BIT-73X | G 1        | Stainless steel   | 5                                                  |  | 3.8                                     |  | 11162380000    |
| BIT-73X | G 1 1/2    | Stainless steel   | 8                                                  |  | 4.5                                     |  | 11162380000    |
| BIT-73X | G 1 1/4    | Stainless steel   | 7                                                  |  | 3.6                                     |  | 11162380000    |
| BIT-73X | G 1/2      | Stainless steel   | 2                                                  |  | 2.7                                     |  | 11162380000    |
| BIT-73X | G 1/4      | Stainless steel   | 1                                                  |  | 1.7                                     |  | 11162380000    |
| BIT-73X | G 3/4      | Stainless steel   | 3                                                  |  | 3.2                                     |  | 11162380000    |
| BIT-73X | G 3/8      | Stainless steel   | 2                                                  |  | 2                                       |  | 11162380000    |
| BIT-73X | M 8 x 1    | Stainless steel   | 0.5                                                |  | 0.6                                     |  | 11162380000    |
| BIT-73X | M 10 x 1   | Stainless steel   | 0.8                                                |  | 0.9                                     |  | 11162380000    |
| BIT-73X | M 12 x 1,5 | Stainless steel   | 1.0                                                |  | 1.0                                     |  | 11162380000    |
| BIT-73X | M 14 x 1,5 | Stainless steel   | 2.0                                                |  | 1.4                                     |  | 11162380000    |
| BIT-73X | M 16 x 1,5 | Stainless steel   | 2.0                                                |  | 1.4                                     |  | 11162380000    |
| BIT-73X | M 18 x 1,5 | Stainless steel   | 2                                                  |  | 1.8                                     |  | 11162380000    |
| BIT-73X | M 20 x 1,5 | Stainless steel   | 3                                                  |  | 1.9                                     |  | 11162380000    |
| BIT-73X | M 22 x 1,5 | Stainless steel   | 3                                                  |  | 2.1                                     |  | 11162380000    |
| BIT-73X | M 24 x 1,5 | Stainless steel   | 3                                                  |  | 2.2                                     |  | 11162380000    |
| BIT-73X | M 26 x 1,5 | Stainless steel   | 3                                                  |  | 1.8                                     |  | 11162380000    |
| BIT-73X | M 27 x 2   | Stainless steel   | 4                                                  |  | 2.5                                     |  | 11162380000    |
| BIT-73X | M 33 x 2   | Stainless steel   | 5                                                  |  | 3                                       |  | 11162380000    |
| BIT-73X | M 42 x 2   | Stainless steel   | 7                                                  |  | 3.2                                     |  | 11162380000    |
| BIT-73X | M 48 x 2   | Stainless steel   | 8                                                  |  | 3.9                                     |  | 11162380000    |
| BIT-73X | M 60 x 2   | Stainless steel   | 10                                                 |  | 3                                       |  | 11162380000    |

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

This application table represents guideline values. We would be pleased to send you free samples.

## Your added values:



### More versatile.

Only one assembly tool required for all sizes of the standard series GPN 730 and GPN 735 – GPN 738 (95 different screw plugs).



### Saves time.

Quick installation and removal.



### More robust.

Sturdy stainless steel construction.



### Better fit.

The shaft is designed for screwdrivers with a socket pursuant to DIN ISO 1173.



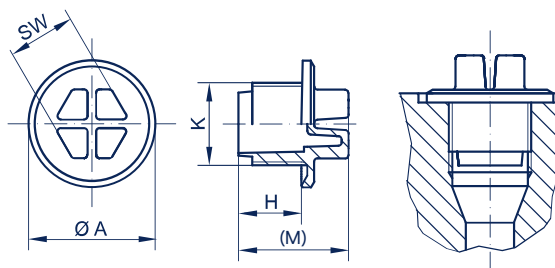
### Better.

The bit can be used with commercially available screwdrivers with drill chuck.



## Application

The GPN 735 sealing screw plugs are suitable for closing threaded holes as per DIN 3852-1 and DIN ISO 6149-1 and are particularly well suited for processes like cleaning, testing, painting, or for transport. The robust material is high-quality and particularly impact-resistant. The circumferential sealing lip, which is designed without a mould seam, prevents the ingress and escape of liquids within certain limits. They are fitted using a screwdriver or spanner.



**PA 6  
yellow**

| Article               | A    | Thread K      | H    | M    | Wrench width metric | Virgin material |
|-----------------------|------|---------------|------|------|---------------------|-----------------|
| GPN 735 M 8 x 1       | 12,2 | M 8 x 1       | 8    | 15   | 7                   | 73508100000     |
| GPN 735 M 10 x 1      | 14,2 | M 10 x 1      | 8    | 15   | 7                   | 73510100000     |
| GPN 735 M 12 x 1,5    | 17,2 | M 12 x 1,5    | 11   | 18   | 10                  | 73512150000     |
| GPN 735 M 14 x 1,5    | 19,2 | M 14 x 1,5    | 11   | 19   | 10                  | 73514150000     |
| GPN 735 M 16 x 1,5    | 22   | M 16 x 1,5    | 11   | 21   | 13                  | 73516150000     |
| GPN 735 M 18 x 1,5    | 24   | M 18 x 1,5    | 11   | 21   | 13                  | 73518150000     |
| GPN 735 M 20 x 1,5    | 26   | M 20 x 1,5    | 11   | 21   | 15                  | 73520150000     |
| GPN 735 M 22 x 1,5    | 27,2 | M 22 x 1,5    | 11   | 21   | 15                  | 73522150000     |
| GPN 735 M 24 x 1,5    | 31,5 | M 24 x 1,5    | 12   | 22   | 15                  | 73524150000     |
| GPN 735 M 26 x 1,5    | 32   | M 26 x 1,5    | 13,5 | 23,5 | 19                  | 73526150000     |
| GPN 735 M 27 x 2      | 32,3 | M 27 x 2      | 11   | 21   | 19                  | 73527200000     |
| GPN 735 M 33 x 2      | 40,4 | M 33 x 2      | 13,5 | 23,5 | 24                  | 73533200000     |
| GPN 735 M 42 x 2      | 50   | M 42 x 2      | 13,5 | 24,5 | 24                  | 73542200000     |
| GPN 735 M 48 x 2      | 55,4 | M 48 x 2      | 13,5 | 24,5 | 30                  | 73548200000     |
| GPN 735 M 60 x 2      | 68,5 | M 60 x 2      | 13,5 | 24,5 | 30                  | 73560200000     |
| GPN 735 G 1/4         | 19,2 | G 1/4         | 7,5  | 15   | 10                  | 73506580000     |
| GPN 735 G 3/8         | 22,2 | G 3/8         | 7,5  | 17,5 | 13                  | 73506590000     |
| GPN 735 G 1/2         | 27,2 | G 1/2         | 9,5  | 19,5 | 15                  | 73506600000     |
| GPN 735 G 3/4         | 32,3 | G 3/4         | 9,5  | 19,5 | 19                  | 73506610000     |
| GPN 735 G 1           | 40   | G 1           | 11,5 | 21,5 | 24                  | 73506620000     |
| GPN 735 G 1 1/4       | 50,4 | G 1 1/4       | 11,5 | 22,5 | 24                  | 73506630000     |
| GPN 735 G 1 1/2       | 55,4 | G 1 1/2       | 11,5 | 22,5 | 30                  | 73506640000     |
| GPN 735 9/16 - 18 UNF | 17,8 | 9/16 - 18 UNF | 11   | 18   | 10                  | 73524420000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Better fit.

For closing internal threads in accordance with DIN 3852-1, DIN ISO 6149-1.



### Seals better.

The circumferential sealing lip (no mould-parting feature) prevents the penetration or leaking of liquids depending on the application.



### More robust.

Made from premium impact-resistant polyamide.



### Better.

Installation with screwdriver, or machine with special spanner.



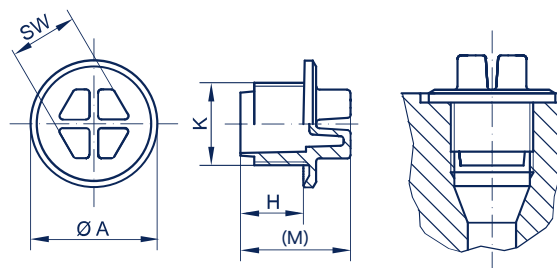
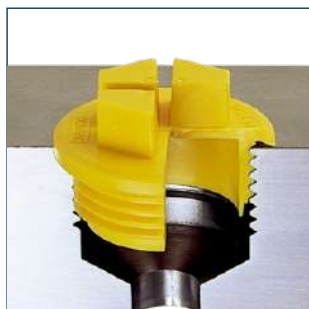
### Seals better.

Protection against water during high pressure/steam jet cleaning, specifically for road vehicles (IPX9K), performance depending on the specific connector design and quality.



## Application

The GPN 736 sealing screw plugs are suitable for closing threaded holes as per DIN 3852-1 and ISO 11926 and are particularly well suited for processes like cleaning, testing, painting, or for transport. The robust material is high-quality and particularly impact-resistant. The circumferential sealing lip, which is designed without a mould seam, prevents the ingress and escape of liquids within certain limits. They are fitted using a screwdriver or spanner.



**PA 6  
yellow**

| Article                | A     | Thread K       | H  | M  | Wrench width metric | Virgin material |
|------------------------|-------|----------------|----|----|---------------------|-----------------|
| GPN 736 M 10 x 1       | 15,4  | M 10 x 1       | 8  | 15 | 7                   | 73610100000     |
| GPN 736 M 12 x 1,5     | 18,4  | M 12 x 1,5     | 9  | 16 | 10                  | 73612150000     |
| GPN 736 M 14 x 1,5     | 20,4  | M 14 x 1,5     | 9  | 17 | 10                  | 73614150000     |
| GPN 736 M 16 x 1,5     | 23,4  | M 16 x 1,5     | 10 | 20 | 13                  | 73616150000     |
| GPN 736 M 18 x 1,5     | 25,4  | M 18 x 1,5     | 11 | 21 | 13                  | 73618150000     |
| GPN 736 M 22 x 1,5     | 28,4  | M 22 x 1,5     | 12 | 22 | 15                  | 73622150000     |
| GPN 736 M 27 x 2       | 33,35 | M 27 x 2       | 15 | 25 | 19                  | 73627200000     |
| GPN 736 M 33 x 2       | 42,3  | M 33 x 2       | 15 | 25 | 24                  | 73633200000     |
| GPN 736 M 42 x 2       | 51,3  | M 42 x 2       | 15 | 26 | 24                  | 73642200000     |
| GPN 736 M 48 x 2       | 56,3  | M 48 x 2       | 17 | 28 | 30                  | 73648200000     |
| GPN 736 7/16 - 20 UNF  | 17,4  | 7/16 - 20 UNF  | 9  | 16 | 10                  | 73626670000     |
| GPN 736 9/16 - 18 UNF  | 21,4  | 9/16 - 18 UNF  | 10 | 18 | 10                  | 73626680000     |
| GPN 736 3/4 - 16 UNF   | 26,9  | 3/4 - 16 UNF   | 11 | 21 | 13                  | 73626690000     |
| GPN 736 7/8 - 14 UNF   | 30,4  | 7/8 - 14 UNF   | 13 | 23 | 15                  | 73626700000     |
| GPN 736 1 1/16 - 12 UN | 37,85 | 1 1/16 - 12 UN | 15 | 25 | 19                  | 73626710000     |
| GPN 736 1 5/16 - 12 UN | 44,8  | 1 5/16 - 12 UN | 15 | 25 | 24                  | 73626720000     |
| GPN 736 1 5/8 - 12 UN  | 55,8  | 1 5/8 - 12 UN  | 15 | 26 | 30                  | 73626730000     |
| GPN 736 1 7/8 - 12 UN  | 63,3  | 1 7/8 - 12 UN  | 15 | 26 | 30                  | 73626740000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Better fit.

Suitable for internal threads in accordance with DIN 3852-1, ISO 11926.



### Seals better.

The circumferential sealing lip (no mould-parting feature) prevents the penetration or leaking of liquids depending on the application.



### More robust.

Made from premium impact-resistant polyamide.



### Better.

Installation either with screw driver or spanner. Particularly suitable for processes like cleaning, testing, painting, or for transport.



### Seals better.

Protection against water during high pressure/steam jet cleaning, specifically for road vehicles (IPX9K), performance depending on the specific connector design and quality.

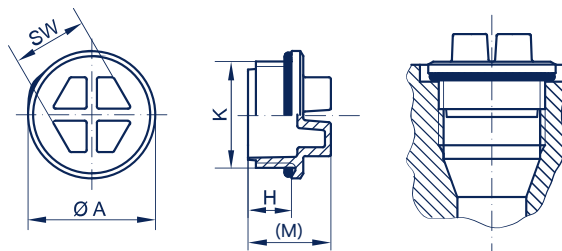


# Sealing Screw Plugs with O-Ring GPN 737

## Application



The GPN 737 sealing screw plugs with O-ring are suitable for closing screw holes as per DIN 3852-1 and DIN ISO 6149-1 and are particularly well suited for increased demands on leak tightness. The robust material is high-quality and particularly impact-resistant. The circumferential sealing lip, which is designed without a mould seam, and the O-ring prevent the ingress and escape of liquids within certain limits. Installation is carried out using a screwdriver or spanner.



**PA 6  
yellow**

| Article               | A    | Thread K      | H    | M    | Wrench width metric | Virgin material |
|-----------------------|------|---------------|------|------|---------------------|-----------------|
| GPN 737 M 8 x 1       | 12,2 | M 8 x 1       | 8    | 15   | 7                   | 73708100000     |
| GPN 737 M 10 x 1      | 14,2 | M 10 x 1      | 8    | 15   | 7                   | 73710100000     |
| GPN 737 M 12 x 1,5    | 17,2 | M 12 x 1,5    | 11   | 18   | 10                  | 73712150000     |
| GPN 737 M 14 x 1,5    | 19,2 | M 14 x 1,5    | 11   | 19   | 10                  | 73714150000     |
| GPN 737 M 16 x 1,5    | 22   | M 16 x 1,5    | 11   | 21   | 13                  | 73716150000     |
| GPN 737 M 18 x 1,5    | 24   | M 18 x 1,5    | 11   | 21   | 13                  | 73718150000     |
| GPN 737 M 20 x 1,5    | 26   | M 20 x 1,5    | 11   | 21   | 15                  | 73720150000     |
| GPN 737 M 22 x 1,5    | 27,2 | M 22 x 1,5    | 11   | 21   | 15                  | 73722150000     |
| GPN 737 M 24 x 1,5    | 31,5 | M 24 x 1,5    | 12   | 22   | 15                  | 73724150000     |
| GPN 737 M 26 x 1,5    | 32   | M 26 x 1,5    | 13,5 | 23,5 | 19                  | 73726150000     |
| GPN 737 M 27 x 2      | 32,3 | M 27 x 2      | 11   | 21   | 19                  | 73727200000     |
| GPN 737 M 33 x 2      | 40,4 | M 33 x 2      | 13,5 | 23,5 | 24                  | 73733200000     |
| GPN 737 M 42 x 2      | 50   | M 42 x 2      | 13,5 | 24,5 | 24                  | 73742200000     |
| GPN 737 M 48 x 2      | 55,4 | M 48 x 2      | 13,5 | 24,5 | 30                  | 73748200000     |
| GPN 737 M 60 x 2      | 68,5 | M 60 x 2      | 13,5 | 24,5 | 30                  | 73760200000     |
| GPN 737 G 1/4         | 19,2 | G 1/4         | 7,5  | 15   | 10                  | 73706580000     |
| GPN 737 G 3/8         | 22,2 | G 3/8         | 7,5  | 17,5 | 13                  | 73706590000     |
| GPN 737 G 1/2         | 27,2 | G 1/2         | 9,5  | 19,5 | 15                  | 73706600000     |
| GPN 737 G 3/4         | 32,3 | G 3/4         | 9,5  | 19,5 | 19                  | 73706610000     |
| GPN 737 G 1           | 40   | G 1           | 11,5 | 21,5 | 24                  | 73706620000     |
| GPN 737 G 1 1/4       | 50,4 | G 1 1/4       | 11,5 | 22,5 | 24                  | 73706630000     |
| GPN 737 G 1 1/2       | 55,4 | G 1 1/2       | 11,5 | 22,5 | 30                  | 73706640000     |
| GPN 737 9/16 - 18 UNF | 17,8 | 9/16 - 18 UNF | 11   | 18   | 10                  | 73724420000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

Engraving corresponds to standard series GPN 735.

## Your added values:



### Better fit.

For closing internal threads in accordance with DIN 3852-1, DIN ISO 6149-1.



### Seals better.

The circumferential sealing lip (no mould-parting feature) and the O-ring prevent the penetration or leaking of liquids depending on the application.



### More robust.

Made from premium impact-resistant polyamide.



### Better.

Same design as GPN 735 but fitted with O-ring. For high leak proof requirements, e.g. untreated sealing surfaces, high process temperatures, long process times, and increased pressure inside the component.



### Seals better.

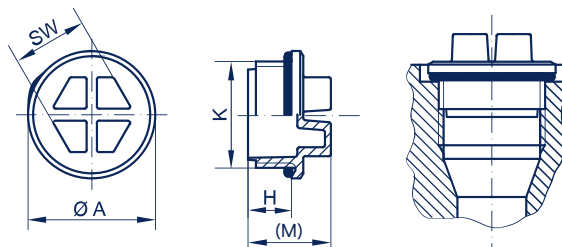
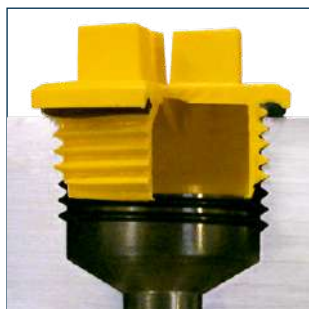
Protection against water during high pressure/steam jet cleaning, specifically for road vehicles (IPX9K), performance depending on the specific connector design and quality.



# Sealing Screw Plugs with O-Ring GPN 738

## Application

The GPN 738 sealing screw plugs with O-ring are suitable for closing screw holes as per DIN 3852-1 and ISO 11926 and are particularly well suited for increased demands on leak tightness. The robust material is high-quality and particularly impact-resistant. The circumferential sealing lip, which is designed without a mould seam, and the O-ring prevent the penetration and leakage of liquids within certain limits. Installation is carried out using a screwdriver or spanner.



**PA 6  
yellow**

| Article                | A     | Thread K       | H  | M  | Wrench width metric | Virgin material |
|------------------------|-------|----------------|----|----|---------------------|-----------------|
| GPN 738 M 10 x 1       | 15,4  | M 10 x 1       | 8  | 15 | 7                   | 73810100000     |
| GPN 738 M 12 x 1,5     | 18,4  | M 12 x 1,5     | 9  | 16 | 10                  | 73812150000     |
| GPN 738 M 14 x 1,5     | 20,4  | M 14 x 1,5     | 9  | 17 | 10                  | 73814150000     |
| GPN 738 M 16 x 1,5     | 23,4  | M 16 x 1,5     | 10 | 20 | 13                  | 73816150000     |
| GPN 738 M 18 x 1,5     | 25,4  | M 18 x 1,5     | 11 | 21 | 13                  | 73818150000     |
| GPN 738 M 22 x 1,5     | 28,4  | M 22 x 1,5     | 12 | 22 | 15                  | 73822150000     |
| GPN 738 M 27 x 2       | 33,35 | M 27 x 2       | 15 | 25 | 19                  | 73827200000     |
| GPN 738 M 33 x 2       | 42,3  | M 33 x 2       | 15 | 25 | 24                  | 73833200000     |
| GPN 738 M 42 x 2       | 51,3  | M 42 x 2       | 15 | 26 | 24                  | 73842200000     |
| GPN 738 M 48 x 2       | 56,3  | M 48 x 2       | 17 | 28 | 30                  | 73848200000     |
| GPN 738 7/16 - 20 UNF  | 17,4  | 7/16 - 20 UNF  | 9  | 16 | 10                  | 73826670000     |
| GPN 738 9/16 - 18 UNF  | 21,4  | 9/16 - 18 UNF  | 10 | 18 | 10                  | 73826680000     |
| GPN 738 3/4 - 16 UNF   | 26,9  | 3/4 - 16 UNF   | 11 | 21 | 13                  | 73826690000     |
| GPN 738 7/8 - 14 UNF   | 30,4  | 7/8 - 14 UNF   | 13 | 23 | 15                  | 73826700000     |
| GPN 738 1 1/16 - 12 UN | 37,85 | 1 1/16 - 12 UN | 15 | 25 | 19                  | 73826710000     |
| GPN 738 1 5/16 - 12 UN | 44,8  | 1 5/16 - 12 UN | 15 | 25 | 24                  | 73826720000     |
| GPN 738 1 5/8 - 12 UN  | 55,8  | 1 5/8 - 12 UN  | 15 | 26 | 30                  | 73826730000     |
| GPN 738 1 7/8 - 12 UN  | 63,3  | 1 7/8 - 12 UN  | 15 | 26 | 30                  | 73826740000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

Engraving complies with GPN 736 series.

## Your added values:



### Better fit.

Suitable for internal threads in accordance with DIN 3852-1, ISO 11926.



### Seals better.

The circumferential sealing lip (no mould-parting feature) and the O-ring prevent the penetration or leaking of liquids depending on the application.



### More robust.

Made from premium impact-resistant polyamide.



### Better.

Same design as GPN 736 but fitted with O-ring. For high leak proof requirements, e.g. untreated sealing surfaces, high process temperatures, long process times, and increased pressure inside the component.



### Seals better.

Protection against water during high pressure/steam jet cleaning, specifically for road vehicles (IPX9K), performance depending on the specific connector design and quality.



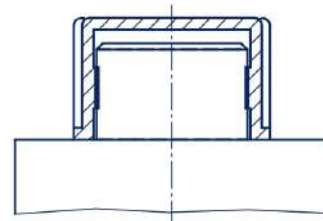
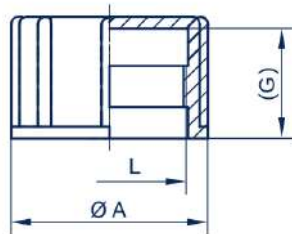
## Application

The GPN 800 screw caps are suitable for many different thread types, such as metric threads, pipe threads and imperial threads. Easy-to-grip external ribs are suitable for easy assembly by hand.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



**PCR-PE-HD  
blue**

**PE-HD  
yellow**

| Article               | A    | Thread L      | G    | 100% PCR    | Virgin material |
|-----------------------|------|---------------|------|-------------|-----------------|
| GPN 800 M 8           | 12   | M 8           | 8    | 8000008RB22 | 80000080000     |
| GPN 800 M 10          | 14,5 | M 10          | 8    | 8000010RB22 | 80000100000     |
| GPN 800 M 12          | 16   | M 12          | 12   | 8000012RB22 | 80000120000     |
| GPN 800 M 14          | 18   | M 14          | 12   | 8000014RB22 | 80000140000     |
| GPN 800 M 16          | 21   | M 16          | 12   | 8000016RB22 | 80000160000     |
| GPN 800 M 18          | 22   | M 18          | 12   | 8000018RB22 | 80000180000     |
| GPN 800 M 20          | 25   | M 20          | 14   | 8000020RB22 | 80000200000     |
| GPN 800 M 22          | 28   | M 22          | 14   | 8000022RB22 | 80000220000     |
| GPN 800 M 24          | 32   | M 24          | 14   | 8000024RB22 | 80000240000     |
| GPN 800 M 27          | 35   | M 27          | 14   | 8000027RB22 | 80000270000     |
| GPN 800 M 30          | 38   | M 30          | 14   | 8000030RB22 | 80000300000     |
| GPN 800 M 8 x 1       | 12   | M 8 x 1       | 8    | 8000810RB22 | 80008100000     |
| GPN 800 M 10 x 1      | 14   | M 10 x 1      | 8    | 8001010RB22 | 80010100000     |
| GPN 800 M 12 x 1      | 16   | M 12 x 1      | 12   | 8001210RB22 | 80012100000     |
| GPN 800 M 12 x 1,5    | 16   | M 12 x 1,5    | 12   | 8001215RB22 | 80012150000     |
| GPN 800 M 14 x 1,5    | 18   | M 14 x 1,5    | 12   | 8001415RB22 | 80014150000     |
| GPN 800 M 16 x 1,5    | 21   | M 16 x 1,5    | 12   | 8001615RB22 | 80016150000     |
| GPN 800 M 18 x 1,5    | 22   | M 18 x 1,5    | 12   | 8001815RB22 | 80018150000     |
| GPN 800 M 20 x 1,5    | 25   | M 20 x 1,5    | 14   | 8002015RB22 | 80020150000     |
| GPN 800 M 22 x 1,5    | 28   | M 22 x 1,5    | 14   | 8002215RB22 | 80022150000     |
| GPN 800 M 23 x 1,5    | 29   | M 23 x 1,5    | 22   | 8002315RB22 | 80023150000     |
| GPN 800 M 24 x 1,5    | 30   | M 24 x 1,5    | 14   | 8002415RB22 | 80024150000     |
| GPN 800 M 25 x 1,5    | 33   | M 25 x 1,5    | 14   | 8002515RB22 | 80025150000     |
| GPN 800 M 26 x 1,5    | 34   | M 26 x 1,5    | 11   | 8002615RB22 | 80026150000     |
| GPN 800 M 28 x 1,5    | 34,5 | M 28 x 1,5    | 28   | 8002815RB22 | 80028150000     |
| GPN 800 M 30 x 1,5    | 36   | M 30 x 1,5    | 14   | 8003015RB22 | 80030150000     |
| GPN 800 M 36 x 1,5    | 44   | M 36 x 1,5    | 17   | 8003615RB22 | 80036150000     |
| GPN 800 M 45 x 1,5    | 53   | M 45 x 1,5    | 15   | 8004515RB22 | 80045150000     |
| GPN 800 M 22 x 2      | 28   | M 22 x 2      | 14   | 8002220RB22 | 80022200000     |
| GPN 800 M 30 x 2      | 38   | M 30 x 2      | 14   | 8003020RB22 | 80030200000     |
| GPN 800 M 36 x 2      | 44   | M 36 x 2      | 17   | 8003620RB22 | 80036200000     |
| GPN 800 M 42 x 2      | 50   | M 42 x 2      | 15   | 8004220RB22 | 80042200000     |
| GPN 800 M 45 x 2      | 53   | M 45 x 2      | 15   | 8004520RB22 | 80045200000     |
| GPN 800 M 52 x 2      | 60   | M 52 x 2      | 15   | 8005220RB22 | 80052200000     |
| GPN 800 G 1/8         | 14   | G 1/8         | 8    | 8000414RB22 | 80004140000     |
| GPN 800 G 1/4         | 18   | G 1/4         | 12   | 8000355RB22 | 80003550000     |
| GPN 800 G 3/8         | 21   | G 3/8         | 12   | 8000426RB22 | 80004260000     |
| GPN 800 G 1/2         | 25   | G 1/2         | 14   | 8000437RB22 | 80004370000     |
| GPN 800 G 5/8         | 28   | G 5/8         | 14   | 8000675RB22 | 80006750000     |
| GPN 800 G 3/4         | 32   | G 3/4         | 14   | 8003618RB22 | 80036180000     |
| GPN 800 G 1           | 39   | G 1           | 14   | 8003522RB22 | 80035220000     |
| GPN 800 G 1 1/4       | 47,7 | G 1 1/4       | 17,7 | 8003218RB22 | 80032180000     |
| GPN 800 G 1 1/2       | 56   | G 1 1/2       | 17   | 8007552RB22 | 80075520000     |
| GPN 800 G 2           | 68   | G 2           | 18   | 8006901RB22 | 80069010000     |
| GPN 800 G 2 1/2       | 80,9 | G 2 1/2       | 18   | 8003219RB22 | 80032190000     |
| GPN 800 1/4 - 28 UNF  | 12   | 1/4 - 28 UNF  | 8    | 8007207RB22 | 80072070000     |
| GPN 800 7/16 - 20 UNF | 15   | 7/16 - 20 UNF | 12   | 8006455RB22 | 80064550000     |
| GPN 800 1/2 - 20 UNF  | 18   | 1/2 - 20 UNF  | 15   | 8005950RB22 | 80059500000     |
| GPN 800 9/16 - 18 UNF | 18   | 9/16 - 18 UNF | 12   | 8006456RB22 | 80064560000     |
| GPN 800 5/8 - 18 UNF  | 19,3 | 5/8 - 18 UNF  | 14,2 | 8003182RB22 | 80031820000     |
| GPN 800 3/4 - 16 UNF  | 24   | 3/4 - 16 UNF  | 18   | 8005948RB22 | 80059480000     |
| GPN 800 13/16 - 16 UN | 26   | 13/16 - 16 UN | 12   | 8003160RB22 | 80031600000     |
| GPN 800 7/8 - 14 UNF  | 27   | 7/8 - 14 UNF  | 20   | 8005947RB22 | 80059470000     |
| GPN 800 1 - 14 UNS    | 33   | 1 - 14 UNS    | 14   | 8007210RB22 | 80072100000     |



# Screw Caps GPN 800



**PCR-PE-HD  
blue**

**PE-HD  
yellow**

| Article                | A  | Thread L       | G  | 100% PCR    | Virgin material |
|------------------------|----|----------------|----|-------------|-----------------|
| GPN 800 1 1/16 - 12 UN | 34 | 1 1/16 - 12 UN | 23 | 8005946RB22 | 80059460000     |
| GPN 800 1 1/16 - 16 UN | 34 | 1 1/16 - 16 UN | 14 | 8007212RB22 | 80072120000     |
| GPN 800 1 3/16 - 20 UN | 38 | 1 3/16 - 12 UN | 14 | 8005585RB22 | 80055850000     |
| GPN 800 1 3/16 - 20 UN | 38 | 1 3/16 - 20 UN | 14 | 8007214RB22 | 80072140000     |
| GPN 800 1 1/4 - 12 UNF | 38 | 1 1/4 - 12 UNF | 14 | 8007215RB22 | 80072150000     |
| GPN 800 1 5/16 - 12 UN | 40 | 1 5/16 - 12 UN | 24 | 8005945RB22 | 80059450000     |
| GPN 800 1 5/8 - 12 UN  | 50 | 1 5/8 - 12 UN  | 17 | 8007217RB22 | 80072170000     |
| GPN 800 1 7/8 - 12 UN  | 55 | 1 7/8 - 12 UN  | 17 | 8007221RB22 | 80072210000     |
| GPN 800 2 1/4 - 12 UN  | 66 | 2 1/4 - 12 UN  | 18 | 8007225RB22 | 80072250000     |
| GPN 800 2 1/2 - 12 UN  | 72 | 2 1/2 - 12 UN  | 18 | 8007226RB22 | 80072260000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### More resource-saving.

This standard series is available from PCR, saves CO2e emissions and conserves resources.



### Better.

Suitable for a variety of different thread types. Easy-to-grip external rib for easy mounting and removal by hand.



### Seals better.

Protection against foreign objects >1 mm



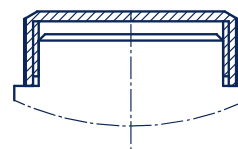
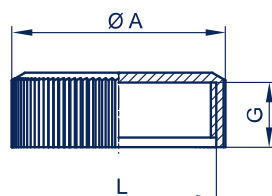
## Application

The GPN 801 screw caps are suitable for external threads. Easy-to-grip external ribs are suitable for easy assembly by hand. The flat design enables fast fitting and removal.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



**PCR-PE  
blue**

**PCR-PE / PE-LD  
yellow**

**PE-LD  
natural**

100% PCR

Recycling blend

Virgin material

| Article            | A  | Thread L   | G  | 100% PCR    | Recycling blend | Virgin material |
|--------------------|----|------------|----|-------------|-----------------|-----------------|
| GPN 801 M 16 x 1   | 19 | M 16 x 1   | 5  | 8011610RB61 | 80116101073     | 80116100000     |
| GPN 801 M 12 x 1,5 | 15 | M 12 x 1,5 | 7  | 8011215RB61 |                 | 80112150000     |
| GPN 801 M 14 x 1,5 | 17 | M 14 x 1,5 | 7  | 8011415RB61 | 80114151073     | 80114150000     |
| GPN 801 M 16 x 1,5 | 20 | M 16 x 1,5 | 7  | 8011615RB61 | 80116151073     | 80116150000     |
| GPN 801 M 18 x 1,5 | 21 | M 18 x 1,5 | 9  | 8011815RB61 | 80118151073     | 80118150000     |
| GPN 801 M 22 x 1,5 | 25 | M 22 x 1,5 | 9  | 8012215RB61 | 80122151073     | 80122150000     |
| GPN 801 M 26 x 1,5 | 29 | M 26 x 1,5 | 10 | 8012615RB61 | 80126151073     | 80126150000     |
| GPN 801 M 30 x 1,5 | 33 | M 30 x 1,5 | 10 | 8013015RB61 | 80130151073     | 80130150000     |
| GPN 801 M 30 x 2   | 33 | M 30 x 2   | 10 | 8013020RB61 | 80130201073     | 80130200000     |
| GPN 801 M 36 x 2   | 39 | M 36 x 2   | 10 | 8013620RB61 | 80136201073     | 80136200000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**Saves time.**

Flat design for faster installation.



**Better.**

Suitable for outer threads. Easy-to-grip external rib for easy mounting and removal by hand.



**Seals better.**

Protection against foreign objects > 1 mm

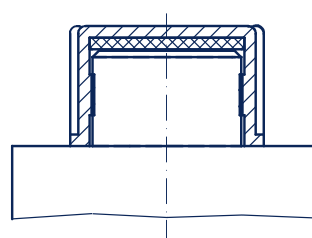
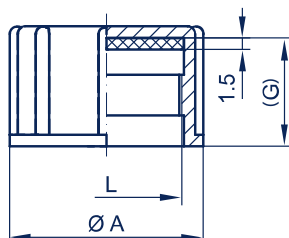


# Screw Caps with Sealing Disc

## GPN 802

### Application

The GPN 802 screw caps with sealing disc are suitable for many different thread types, such as metric threads, pipe threads and imperial threads. The screw cap is equipped with a sealing disc made of nitrile butadiene rubber (NBR), which fulfils increased sealing requirements. Easy-to-grip external ribs are suitable for easy assembly by hand.



**PE-HD**  
**yellow**

| Article               | A    | Thread L      | G    | Virgin material |
|-----------------------|------|---------------|------|-----------------|
| GPN 802 M 8           | 12   | M 8           | 8    | 80200080000     |
| GPN 802 M 10          | 14,5 | M 10          | 8    | 80200100000     |
| GPN 802 M 12          | 16   | M 12          | 12   | 80200120000     |
| GPN 802 M 14          | 18   | M 14          | 12   | 80200140000     |
| GPN 802 M 16          | 21   | M 16          | 12   | 80200160000     |
| GPN 802 M 18          | 22   | M 18          | 12   | 80200180000     |
| GPN 802 M 20          | 25   | M 20          | 14   | 80200200000     |
| GPN 802 M 22          | 28   | M 22          | 14   | 80200220000     |
| GPN 802 M 24          | 32   | M 24          | 14   | 80200240000     |
| GPN 802 M 27          | 35   | M 27          | 14   | 80200270000     |
| GPN 802 M 30          | 38   | M 30          | 14   | 80200300000     |
| GPN 802 M 8 x 1       | 12   | M 8 x 1       | 8    | 80208100000     |
| GPN 802 M 10 x 1      | 14   | M 10 x 1      | 8    | 80210100000     |
| GPN 802 M 12 x 1      | 16   | M 12 x 1      | 12   | 80212100000     |
| GPN 802 M 12 x 1,5    | 16   | M 12 x 1,5    | 12   | 80212150000     |
| GPN 802 M 14 x 1,5    | 18   | M 14 x 1,5    | 12   | 80214150000     |
| GPN 802 M 16 x 1,5    | 21   | M 16 x 1,5    | 12   | 80216150000     |
| GPN 802 M 18 x 1,5    | 22   | M 18 x 1,5    | 12   | 80218150000     |
| GPN 802 M 20 x 1,5    | 25   | M 20 x 1,5    | 14   | 80220150000     |
| GPN 802 M 22 x 1,5    | 28   | M 22 x 1,5    | 14   | 80222150000     |
| GPN 802 M 23 x 1,5    | 29   | M 23 x 1,5    | 22   | 80223150000     |
| GPN 802 M 24 x 1,5    | 30   | M 24 x 1,5    | 14   | 80224150000     |
| GPN 802 M 25 x 1,5    | 33   | M 25 x 1,5    | 14   | 80225150000     |
| GPN 802 M 26 x 1,5    | 34   | M 26 x 1,5    | 11   | 80226150000     |
| GPN 802 M 28 x 1,5    | 34,5 | M 28 x 1,5    | 28   | 80228150000     |
| GPN 802 M 30 x 1,5    | 36   | M 30 x 1,5    | 14   | 80230150000     |
| GPN 802 M 36 x 1,5    | 44   | M 36 x 1,5    | 17   | 80236150000     |
| GPN 802 M 45 x 1,5    | 53   | M 45 x 1,5    | 15   | 80245150000     |
| GPN 802 M 22 x 2      | 28   | M 22 x 2      | 14   | 80222200000     |
| GPN 802 M 30 x 2      | 38   | M 30 x 2      | 14   | 80230200000     |
| GPN 802 M 36 x 2      | 44   | M 36 x 2      | 17   | 80236200000     |
| GPN 802 M 42 x 2      | 50   | M 42 x 2      | 15   | 80242200000     |
| GPN 802 M 45 x 2      | 53   | M 45 x 2      | 15   | 80245200000     |
| GPN 802 M 52 x 2      | 60   | M 52 x 2      | 15   | 80252200000     |
| GPN 802 G 1/8         | 14   | G 1/8         | 8    | 80204140000     |
| GPN 802 G 1/4         | 18   | G 1/4         | 12   | 80203550000     |
| GPN 802 G 3/8         | 21   | G 3/8         | 12   | 80204260000     |
| GPN 802 G 1/2         | 25   | G 1/2         | 14   | 80204370000     |
| GPN 802 G 5/8         | 28   | G 5/8         | 14   | 80206750000     |
| GPN 802 G 3/4         | 32   | G 3/4         | 14   | 80236180000     |
| GPN 802 G 1           | 39   | G 1           | 14   | 80235220000     |
| GPN 802 G 1 1/4       | 47,7 | G 1 1/4       | 17,7 | 80232180000     |
| GPN 802 G 1 1/2       | 56   | G 1 1/2       | 17   | 80275520000     |
| GPN 802 G 2           | 68   | G 2           | 18   | 80269010000     |
| GPN 802 G 2 1/2       | 80,9 | G 2 1/2       | 18   | 80232190000     |
| GPN 802 1/4 - 28 UNF  | 12   | 1/4 - 28 UNF  | 8    | 80272070000     |
| GPN 802 7/16 - 20 UNF | 15   | 7/16 - 20 UNF | 12   | 80264550000     |
| GPN 802 1/2 - 20 UNF  | 18   | 1/2 - 20 UNF  | 15   | 80259500000     |
| GPN 802 9/16 - 18 UNF | 18   | 9/16 - 18 UNF | 12   | 80264560000     |
| GPN 802 5/8 - 18 UNF  | 19,3 | 5/8 - 18 UNF  | 14,2 | 80231820000     |
| GPN 802 3/4 - 16 UNF  | 24   | 3/4 - 16 UNF  | 18   | 80259480000     |
| GPN 802 13/16 - 16 UN | 26   | 13/16 - 16 UN | 12   | 80231600000     |
| GPN 802 7/8 - 14 UNF  | 27   | 7/8 - 14 UNF  | 20   | 80259470000     |
| GPN 802 1 - 14 UNS    | 33   | 1 - 14 UNS    | 14   | 80272100000     |



# Screw Caps with Sealing Disc

## GPN 802



**PE-HD  
yellow**

| Article                | A  | Thread L       | G  | Virgin material |
|------------------------|----|----------------|----|-----------------|
| GPN 802 1 1/16 - 12 UN | 34 | 1 1/16 - 12 UN | 23 | 80259460000     |
| GPN 802 1 1/16 - 16 UN | 34 | 1 1/16 - 16 UN | 14 | 80272120000     |
| GPN 802 1 3/16 - 12 UN | 38 | 1 3/16 - 12 UN | 14 | 80255850000     |
| GPN 802 1 3/16 - 20 UN | 38 | 1 3/16 - 20 UN | 14 | 80272140000     |
| GPN 802 1 1/4 - 12 UNF | 38 | 1 1/4 - 12 UNF | 14 | 80272150000     |
| GPN 802 1 5/16 - 12 UN | 40 | 1 5/16 - 12 UN | 24 | 80259450000     |
| GPN 802 1 5/8 - 12 UN  | 50 | 1 5/8 - 12 UN  | 17 | 80272170000     |
| GPN 802 1 7/8 - 12 UN  | 55 | 1 7/8 - 12 UN  | 17 | 80272210000     |
| GPN 802 2 1/4 - 12 UN  | 66 | 2 1/4 - 12 UN  | 18 | 80272250000     |
| GPN 802 2 1/2 - 12 UN  | 72 | 2 1/2 - 12 UN  | 18 | 80272260000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

Engraving corresponds to standard series GPN 800.

### Your added values:



#### Seals better.

Same design as GPN 800 but with sealing disc for increased sealing properties.



#### Better.

Suitable for a variety of different thread types. Easy to grip external rib for easy assembly and removal by hand.



#### Seals better.

Protection against foreign objects >1 mm

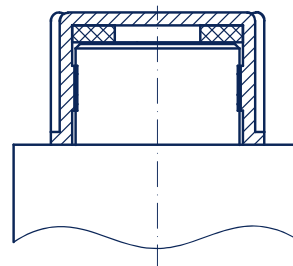
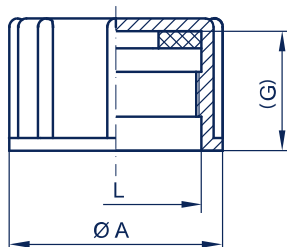


# Screw Caps with Sealing Ring

## GPN 804

### Application

The GPN 804 screw caps with sealing ring are suitable for many different thread types, such as metric threads, pipe threads and imperial threads. The screw cap is equipped with a sealing ring made of nitrile butadiene rubber (NBR), which fulfils increased sealing requirements. Easy-to-grip external ribs are suitable for easy assembly by hand.



**PE-HD**  
**yellow**

| Article               | A    | Thread L      | G    | Virgin material |
|-----------------------|------|---------------|------|-----------------|
| GPN 804 M 8 x 1       | 12   | M 8 x 1       | 8    | 80408100000     |
| GPN 804 M 12 x 1      | 16   | M 12 x 1      | 12   | 80412100000     |
| GPN 804 M 12 x 1,5    | 16   | M 12 x 1,5    | 12   | 80412150000     |
| GPN 804 M 14 x 1,5    | 18   | M 14 x 1,5    | 12   | 80414150000     |
| GPN 804 M 16 x 1,5    | 21   | M 16 x 1,5    | 12   | 80416150000     |
| GPN 804 M 18 x 1,5    | 22   | M 18 x 1,5    | 12   | 80418150000     |
| GPN 804 M 20 x 1,5    | 25   | M 20 x 1,5    | 14   | 80420150000     |
| GPN 804 M 22 x 1,5    | 28   | M 22 x 1,5    | 14   | 80422150000     |
| GPN 804 M 24 x 1,5    | 30   | M 24 x 1,5    | 14   | 80424150000     |
| GPN 804 M 26 x 1,5    | 34   | M 26 x 1,5    | 11   | 80426150000     |
| GPN 804 M 36 x 1,5    | 44   | M 36 x 1,5    | 17   | 80436150000     |
| GPN 804 M 45 x 1,5    | 53   | M 45 x 1,5    | 15   | 80445150000     |
| GPN 804 M 30 x 2      | 38   | M 30 x 2      | 14   | 80430200000     |
| GPN 804 M 36 x 2      | 44   | M 36 x 2      | 17   | 80436200000     |
| GPN 804 M 42 x 2      | 50   | M 42 x 2      | 15   | 80442200000     |
| GPN 804 M 45 x 2      | 53   | M 45 x 2      | 15   | 80445200000     |
| GPN 804 M 52 x 2      | 60   | M 52 x 2      | 15   | 80452200000     |
| GPN 804 G 1/4         | 18   | G 1/4         | 12   | 80403550000     |
| GPN 804 G 3/8         | 21   | G 3/8         | 12   | 80404260000     |
| GPN 804 G 1/2         | 25   | G 1/2         | 14   | 80404370000     |
| GPN 804 G 3/4         | 32   | G 3/4         | 14   | 80436180000     |
| GPN 804 G 1           | 39   | G 1           | 14   | 80435220000     |
| GPN 804 G 1 1/4       | 47,7 | G 1 1/4       | 17,7 | 80432180000     |
| GPN 804 9/16 - 18 UNF | 18   | 9/16 - 18 UNF | 12   | 80464560000     |
| GPN 804 3/4 - 16 UNF  | 24   | 3/4 - 16 UNF  | 18   | 80459480000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



#### Seals better.

Same design as GPN 800 but with sealing ring for increased sealing properties.



#### Better.

Suitable for a variety of different thread types. Easy-to-grip external rib for easy mounting and removal by hand.



#### Seals better.

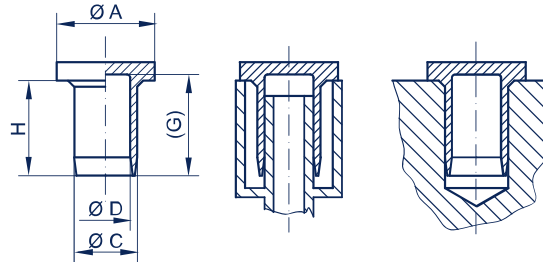
Protection against foreign objects > 1 mm



## Application

The GPN 900 closures can be used universally as a cap or a plug and have a cylindrical closure.

All information about 100% PCR and the recycling blend can be found at [www.poeppelemann.com/en/kapsto/Responsibility.html](http://www.poeppelemann.com/en/kapsto/Responsibility.html)



| PCR-PE blue | PCR-PE / PE-LD yellow | PE-LD natural   |
|-------------|-----------------------|-----------------|
| 100% PCR    | Recycling blend       | Virgin material |

| Article              | A    | C    | D    | G    | H    | 100% PCR    | Recycling blend | Virgin material |
|----------------------|------|------|------|------|------|-------------|-----------------|-----------------|
| GPN 900 A 7          | 13   | 7,2  | 5,2  | 10,5 | 9    | 9000070RB61 | 90000701073     | 90000700000     |
| GPN 900 A 8,5        | 12   | 8,3  | 6    | 17   | 16   | 9000085RB61 | 90000851073     | 90000850000     |
| GPN 900 A 8,9        | 12   | 8,9  | 5,8  | 10,5 | 9,5  | 9000089RB61 | 90000891073     | 90000890000     |
| GPN 900 A 9          | 11   | 9    | 7,4  | 10,5 | 9,5  | 9000090RB61 | 90000901073     | 90000900000     |
| GPN 900 A 10,5       | 16   | 10,3 | 8    | 16,5 | 15,5 | 9000105RB61 | 90001051073     | 90001050000     |
| GPN 900 A 11         | 16   | 10,8 | 8    | 17   | 15,8 | 9000110RB61 | 90001101073     | 90001100000     |
| GPN 900 A 12         | 18   | 12   | 9,8  | 11,2 | 10   | 9000120RB61 | 90001201073     | 90001200000     |
| GPN 900 A 12,5       | 20   | 12,4 | 10   | 17,6 | 16,2 | 9000125RB61 | 90001251073     | 90001250000     |
| GPN 900 A 12,5 x 9,5 | 15   | 12,8 | 11,3 | 10,5 | 9,5  | 9004315RB61 | 90043151073     | 90043150000     |
| GPN 900 A 13,5       | 18   | 13,4 | 11,5 | 10   | 10   | 9000135RB61 | 90001351073     | 90001350000     |
| GPN 900 A 14         | 17   | 14,7 | 11,7 | 10,5 | 9,5  | 9000140RB61 | 90001401073     | 90001400000     |
| GPN 900 A 14,5       | 20   | 14,5 | 11,5 | 21,1 | 20,8 | 9000145RB61 | 90001451073     | 90001450000     |
| GPN 900 A 15         | 20   | 15,2 | 12,8 | 13,7 | 12,7 | 9000150RB61 | 90001501073     | 90001500000     |
| GPN 900 A 16,5       | 22   | 16,6 | 13,5 | 22   | 21   | 9000165RB61 | 90001651073     | 90001650000     |
| GPN 900 A 16,5 x 9   | 24   | 16,6 | 13,5 | 10,5 | 9    | 9001659RB61 | 90016591073     | 90016590000     |
| GPN 900 A 16,9       | 20   | 17   | 14,5 | 10,5 | 9,5  | 9000169RB61 | 90001691073     | 90001690000     |
| GPN 900 A 17         | 20   | 17   | 14,5 | 25,5 | 24   | 9000170RB61 | 90001701073     | 90001700000     |
| GPN 900 A 18,5       | 28   | 18,4 | 15,5 | 26   | 25   | 9000185RB61 | 90001851073     | 90001850000     |
| GPN 900 A 18,5 x 21  | 21   | 18,4 | 15,5 | 26   | 25   | 9001852RB61 | 90018521073     | 90018520000     |
| GPN 900 A 19         | 25   | 18,9 | 16,5 | 11   | 10,5 | 9000190RB61 | 90001901073     | 90001900000     |
| GPN 900 A 19,5       | 21,5 | 19,3 | 17,4 | 10,5 | 9,5  | 9000195RB61 | 90001951073     | 90001950000     |
| GPN 900 A 20         | 28   | 20,2 | 17,8 | 21,5 | 21   | 9000200RB61 | 90002001073     | 90002000000     |
| GPN 900 A 21         | 22   | 20,7 | 17,7 | 10,5 | 9,5  | 9000210RB61 | 90002101073     | 90002100000     |
| GPN 900 A 21 x 16    | 22,5 | 21   | 18,6 | 16   | 16   | 9002116RB61 | 90021161073     | 90021160000     |
| GPN 900 A 22,5       | 25   | 22,5 | 19,7 | 12,5 | 12   | 9000225RB61 | 90002251073     | 90002250000     |
| GPN 900 A 24         | 28   | 23,9 | 20,3 | 29,5 | 29   | 9000240RB61 | 90002401073     | 90002400000     |
| GPN 900 A 24,5       | 32   | 24,5 | 21,2 | 10,5 | 10   | 9000245RB61 | 90002451073     | 90002450000     |
| GPN 900 A 24,5 x 25  | 26   | 24,6 | 21,5 | 26   | 25   | 9004322RB61 | 90043221073     | 90043220000     |
| GPN 900 A 24,7       | 29   | 24,7 | 23,1 | 32   | 31,5 | 9000247RB61 | 90002471073     | 90002470000     |
| GPN 900 A 25,5       | 28   | 25,5 | 22,3 | 18,5 | 17   | 9000255RB61 | 90002551073     | 90002550000     |
| GPN 900 A 27         | 31   | 27   | 24,8 | 21,8 | 20,5 | 9000270RB61 | 90002701073     | 90002700000     |
| GPN 900 A 28,5       | 32   | 28,4 | 26   | 10   | 9,5  | 9000285RB61 | 90002851073     | 90002850000     |
| GPN 900 A 30         | 33   | 30   | 27,3 | 20,5 | 19   | 9000300RB61 | 90003001073     | 90003000000     |
| GPN 900 A 31         | 34   | 31   | 28   | 10,5 | 9,5  | 9000310RB61 | 90003101073     | 90003100000     |
| GPN 900 A 32         | 36   | 32,5 | 29,6 | 22,5 | 21   | 9000320RB61 | 90003201073     | 90003200000     |
| GPN 900 A 33         | 37   | 32,8 | 29,4 | 20   | 19   | 9000330RB61 | 90003301073     | 90003300000     |
| GPN 900 A 39         | 47   | 38,8 | 35,4 | 22   | 21   | 9000390RB61 | 90003901073     | 90003900000     |
| GPN 900 A 41         | 43   | 40,5 | 37,5 | 11   | 9,5  | 9000410RB61 | 90004101073     | 90004100000     |
| GPN 900 A 45         | 50   | 44,8 | 41,4 | 20   | 19   | 9000450RB61 | 90004501073     | 90004500000     |
| GPN 900 A 51         | 53,5 | 51   | 48,3 | 25,5 | 24   | 9000510RB61 | 90005101073     | 90005100000     |
| GPN 900 A 52         | 54,5 | 52   | 49   | 10,5 | 9,5  | 9000520RB61 | 90005201073     | 90005200000     |
| GPN 900 A 58         | 61   | 58   | 55   | 12,5 | 12,5 |             |                 | 90005800000     |
| GPN 900 A 64         | 69   | 64   | 61,5 | 30,5 | 29   | 9000640RB61 | 90006401073     | 90006400000     |
| GPN 900 A 69         | 72   | 69,5 | 66,5 | 29,5 | 29   | 9000690RB61 | 90006901073     | 90006900000     |
| GPN 900 A 76         | 80   | 76   | 70   | 20,5 | 20   |             | 90007601073     | 90007600000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.



Closures

## GPN 900

Your added values:



**More versatile.**

Cylindrical closure – can be used as plug or cap.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



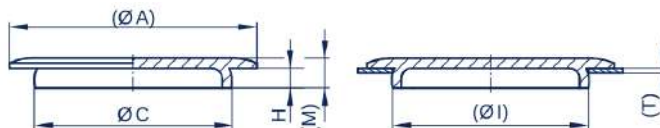
**Seals better.**

Protection against foreign objects >1 mm



## Application

The GPN 910 covers close housing apertures and stud holes and are particularly well suited for openings in thin sheets. The flat head enables space-saving use.



**PE-LLD  
black**

| Article        | A   | I    | T   | C    | H   | M   | Virgin material |
|----------------|-----|------|-----|------|-----|-----|-----------------|
| GPN 910 / 3280 | 16  | 12   | 1   | 12,3 | 3   | 5   | 91032800000     |
| GPN 910 / 2179 | 18  | 15   | 1   | 15,4 | 4   | 5   | 91021790000     |
| GPN 910 / 3759 | 20  | 17,3 | 1   | 17,6 | 4   | 6   | 91037590000     |
| GPN 910 / 2967 | 35  | 20   | 1   | 20,5 | 5   | 7,5 | 91029670000     |
| GPN 910 / 0766 | 25  | 20,5 | 1   | 21,1 | 2,5 | 4   | 91007660000     |
| GPN 910 / 4015 | 28  | 25   | 1,5 | 26   | 4   | 6,2 | 91040150000     |
| GPN 910 / 3040 | 38  | 25,5 | 1   | 26   | 5,3 | 7,4 | 91030400000     |
| GPN 910 / 3043 | 38  | 26,3 | 2,3 | 27   | 7,5 | 9,5 | 91030430000     |
| GPN 910 / 0763 | 38  | 26,5 | 1,5 | 27   | 4,3 | 6,3 | 91007630000     |
| GPN 910 / 3790 | 36  | 33   | 1,5 | 33,5 | 4   | 6   | 91037900000     |
| GPN 910 / 5539 | 53  | 36   | 2   | 36,5 | 5   | 7   | 91055390000     |
| GPN 910 / 3205 | 50  | 39,5 | 0,9 | 40   | 4   | 6   | 91032050000     |
| GPN 910 / 4010 | 50  | 39,7 | 0,8 | 40,4 | 2,4 | 4,2 | 91040100000     |
| GPN 910 / 3097 | 55  | 50   | 1   | 50,6 | 4   | 6   | 91030970000     |
| GPN 910 / 0715 | 62  | 53   | 1,5 | 53,8 | 4   | 6   | 91007150000     |
| GPN 910 / 3044 | 66  | 60,8 | 2,2 | 61,5 | 7,8 | 9,8 | 91030440000     |
| GPN 910 / 0714 | 68  | 61   | 1,5 | 62   | 4   | 5,8 | 91007140000     |
| GPN 910 / 3791 | 85  | 64   | 1,5 | 64,6 | 4,1 | 6,1 | 91037910000     |
| GPN 910 / 2713 | 76  | 71   | 1,5 | 71,5 | 5   | 7,5 | 91027130000     |
| GPN 910 / 3042 | 90  | 72   | 3   | 72,8 | 7,5 | 9,5 | 91030420000     |
| GPN 910 / 3223 | 83  | 74,5 | 1,5 | 75   | 8   | 10  | 91032230000     |
| GPN 910 / 3222 | 90  | 81,5 | 1,5 | 82   | 8   | 10  | 91032220000     |
| GPN 910 / 3277 | 103 | 92   | 3   | 93   | 7,7 | 9,7 | 91032770000     |
| GPN 910 / 4395 | 109 | 100  | 2   | 101  | 5   | 7   | 91043950000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Better.

Flat design, ideal for closing apertures in cover panels.



### Higher temperature resistance.

Heat resistant to 120 °C.



### More versatile.

Suitable for various wall thicknesses and Protection against foreign objects >1 mm diameters.



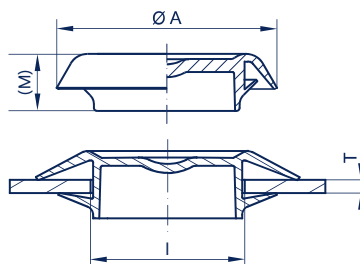
### Seals better.

Link to GPN 910



## Application

The GPN 915 sealing plugs protect housing apertures from dirt and damage, can be used for various wall thicknesses and aperture diameters and have a very flat, space-saving design. Sealing lips prevent the ingress of liquids within certain limits. The material is heat-resistant up to 180° C for short periods.



**PHT / TPC-ET  
black**

| Article      | A    | I min | I max | T min | T max | M   | Virgin material |
|--------------|------|-------|-------|-------|-------|-----|-----------------|
| GPN 915 / 12 | 20,8 | 12    | 13    | 0,5   | 3     | 9   | 91500120000     |
| GPN 915 / 15 | 23,8 | 15    | 17    | 0,5   | 3     | 8,9 | 91500150000     |
| GPN 915 / 20 | 27,9 | 19,5  | 21,5  | 0,5   | 3     | 8,8 | 91500200000     |
| GPN 915 / 25 | 34   | 25    | 27    | 0,5   | 3     | 8,6 | 91500250000     |
| GPN 915 / 30 | 39   | 30    | 31    | 0,5   | 3     | 8,9 | 91500300000     |
| GPN 915 / 35 | 48   | 34,5  | 36,5  | 0,5   | 3     | 11  | 91500350000     |
| GPN 915 / 50 | 59   | 50    | 52    | 0,5   | 3     | 8,8 | 91500500000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Higher temperature resistance.

Heat resistant to 120 °C.



### Seals better.

Provides limited sealing action against ingress or outflow.



### More versatile.

Suitable for various wall thicknesses and diameters.



### Better.

Ideal for closing off apertures in cover panels.



### Seals better.

Protection against foreign objects > 1 mm



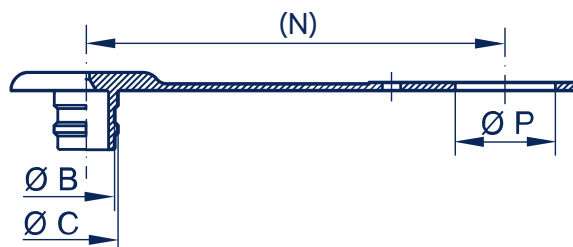
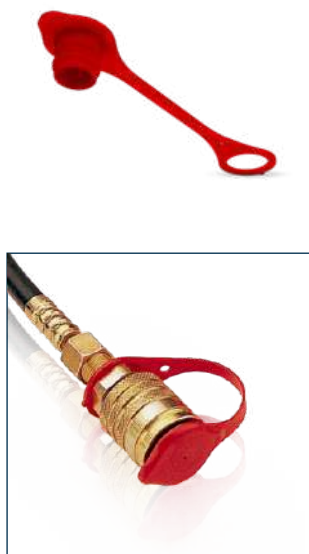
# Protective Dust Plugs

## GPN 920 Type A

### Application

The protective dust plugs GPN 920 Type A protect open plug-in couplings from damage and dirt and have a captive design with integral tab. The dust plugs prevent the ingress or escape of liquids within certain limits.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article        | Nominal size | B  | C    | N   | P  | PCR-PE<br>blue<br>100% PCR | PCR-PE / PE-LD<br>red<br>Recycling blend | PE-LD<br>red<br>Virgin material |
|----------------|--------------|----|------|-----|----|----------------------------|------------------------------------------|---------------------------------|
| GPN 920 / 9998 | 1/4          | 11 | 12   | 125 | 22 | 9209998RB61                | 92099980073                              | 92099980000                     |
| GPN 920 / 9996 | 3/8          | 16 | 18   | 125 | 22 |                            | 92099960073                              | 92099960000                     |
| GPN 920 / 4982 | 1/2          | 20 | 23,6 | 135 | 29 | 9204982RB61                | 92049820073                              | 92049820000                     |
| GPN 920 / 5370 | 1/2          | 20 | 23,6 | 135 | 27 | 9205370RB61                | 92053700073                              | 92053700000                     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



#### Better fit.

Protects open plug-in couplings from damage and contamination.



#### Seals better.

Prevents damage and contamination and provides limited sealing action.



#### Better.

Self-retaining design due to integral strap.



#### Seals better.

Protection against foreign objects > 1 mm

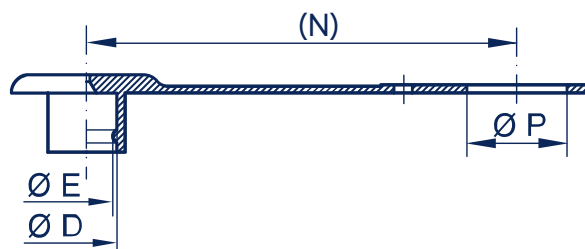


# Protective Dust Caps GPN 920 Type B

## Application

The protective dust caps GPN 920 Type B protect open plug-in couplings against damage and dirt and feature a captive tab design. The dust caps prevent the ingress or escape of liquids within certain limits

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article        | Nominal size | D    | E    | N   | P  | PCR-PE<br>blue | PCR-PE / PE-LD<br>red | PE-LD<br>red    |
|----------------|--------------|------|------|-----|----|----------------|-----------------------|-----------------|
|                |              |      |      |     |    | 100% PCR       | Recycling blend       | Virgin material |
| GPN 920 / 9997 | 1/4          | 12,5 | 11,5 | 125 | 22 | 9209997RB61    | 92099970073           | 92099970000     |
| GPN 920 / 9995 | 3/8          | 18,5 | 16   | 125 | 22 | 9209995RB61    | 92099950073           | 92099950000     |
| GPN 920 / 4984 | 1/2          | 24   | 23   | 135 | 29 | 9204984RB61    | 92049840073           | 92049840000     |
| GPN 920 / 5371 | 1/2          | 24   | 23   | 135 | 27 | 9205371RB61    | 92053710073           | 92053710000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Better fit.

Protects open plug-in couplings from damage and contamination.



### Seals better.

Prevents damage and contamination and provides limited sealing action.



### Better.

Self-retaining design due to integral strap.



### Seals better.

Protection against foreign objects > 1 mm

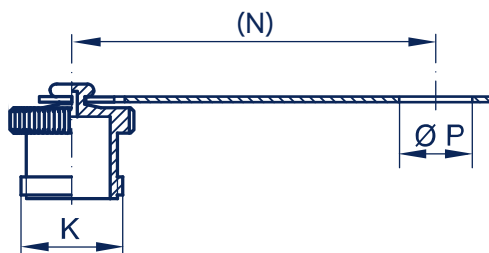


# Protective Dust Plugs

## GPN 930 Type A

### Application

The protective dust plugs GPN 930 Type A protect open plug-in couplings, particularly the thread, from damage and dirt and have a captive design with PE-LLD tab. The dust plugs have a thread and prevent the ingress or escape of liquids within certain limits.



**PE-HD  
red**

| Article          | Nominal size | Thread K  | N   | P    | Virgin material |
|------------------|--------------|-----------|-----|------|-----------------|
| GPN 930 / 10075  | DN 6 + 8     | M 28 x 2  | 100 | 20   | 93000750000     |
| GPN 930 / 10079  | DN 10 + 12   | M 36 x 2  | 110 | 24   | 93000790000     |
| GPN 930 / 10030* | DN 10 + 12   | M 36 x 2  | 135 | 29,5 | 93000300000     |
| GPN 930 / 10083  | DN 16 + 20   | RD 48 x 3 | 145 | 41   | 93000830000     |
| GPN 930 / 10087  | DN 25 + 32   | RD 70 x 3 | 200 | 55   | 93000870000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

\*Eyelet of lug not slotted.

### Your added values:



**Better fit.**

Protects open plug-in couplings, and particularly their thread.



**Seals better.**

Prevents damage and contamination and provides limited sealing action.



**Better.**

Threaded. Self-retaining design due to integral strap.



**Seals better.**

Protection against foreign objects > 1 mm

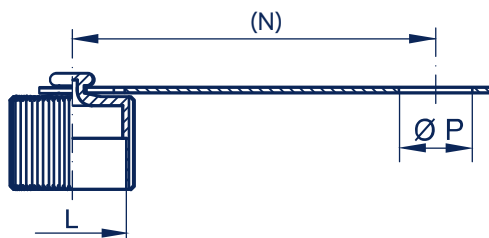


# Protective Dust Caps

## GPN 930 Type B

### Application

The protective dust caps GPN 930 Type B protect open plug-in couplings, particularly the thread, from damage and dirt and have a captive design with PE-LLD tab. The dust caps prevent the ingress or escape of liquids within certain limits.



**PE-HD  
red**

| Article          | Nominal size | Thread L  | N   | P    | Virgin material |
|------------------|--------------|-----------|-----|------|-----------------|
| GPN 930 / 10074  | DN 6 + 8     | M 28 x 2  | 100 | 20   | 93000740000     |
| GPN 930 / 10078  | DN 10 + 12   | M 36 x 2  | 110 | 24   | 93000780000     |
| GPN 930 / 10031* | DN 10 + 12   | M 36 x 2  | 135 | 29,5 | 93000310000     |
| GPN 930 / 10082  | DN 16 + 20   | Rd 48 x 3 | 145 | 41   | 93000820000     |
| GPN 930 / 10086  | DN 25 + 32   | Rd 70 x 3 | 200 | 55   | 93000860000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

\*Eyelet of lug not slotted.

### Your added values:



#### Better fit.

Protects open plug-in couplings, and particularly their thread.



#### Seals better.

Prevents damage and contamination and provides limited sealing action.



#### Better.

Self-retaining design due to integral strap.



#### Seals better.

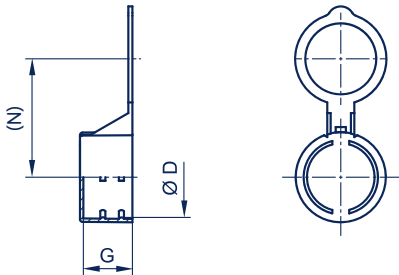
Protection against foreign objects > 1 mm



# Fast-fit Caps GPN 940

## Application

The GPN 940 fast-fit caps are tamper-evident closures for valves pursuant to DIN 477-1 and are also suitable for external threads and bolts. They have a venting wing for a safe media outlet. The non-slip ring tab and tear lines ensure quick disassembly.



**PE-LD  
yellow**  
 Virgin material

| Article         | External thread | D    | G    | N    | Virgin material |
|-----------------|-----------------|------|------|------|-----------------|
| GPN 940 SV 21,3 | W 21,80 x 1/14  | 21,3 | 14,5 | 34   | 94002130000     |
| GPN 940 SV 23,9 | W 24,32 x 1/14  | 23,9 | 14,5 | 35   | 94002390000     |
| GPN 940 SV 26   | G 3/4           | 26   | 14,5 | 36,8 | 94002600000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Better fit.

Tamper-evident closure for valves in accordance with DIN 477-1.



### Saves time.

Particularly fast and easy to remove.



### Better.

With ventilation tab for safe leakage. Also suitable for external threads and studs.



### Seals better.

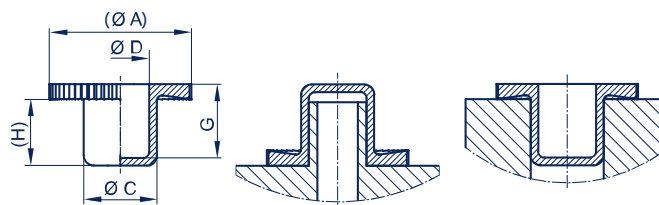
Protection against foreign objects>1 mm



### Application

The GPN 950 protective covers can be used universally as a cap or a plug and can be used for bore holes, internal and external threads and pipe ends. They have a knurled collar for easier assembly and disassembly.

All information about 100% PCR and the recycling blend can be found at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



**PCR-PE  
blue**

**PCR-PE / PE-LD  
yellow**

**PE-LD  
natural**

| Article        | A    | C    | D    | G    | H   | 100% PCR    | Recycling blend | Virgin material |
|----------------|------|------|------|------|-----|-------------|-----------------|-----------------|
| GPN 950 / 0054 | 10   | 5,4  | 3,9  | 7,3  | 6   | 9500054RB61 | 95000541073     | 95000540000     |
| GPN 950 / 0067 | 10,5 | 6,7  | 5,2  | 7,8  | 7   | 9500067RB61 | 95000671073     | 95000670000     |
| GPN 950 / 0072 | 14   | 7,2  | 5,7  | 7,2  | 6,5 | 9500072RB61 | 95000721073     | 95000720000     |
| GPN 950 / 0092 | 16   | 9,6  | 7,7  | 7,2  | 6,5 | 9500092RB61 | 95000921073     | 95000920000     |
| GPN 950 / 0105 | 20   | 10,5 | 8,4  | 6,2  | 5   | 9500105RB61 | 95001051073     | 95001050000     |
| GPN 950 / 0106 | 18   | 10,6 | 9    | 9,2  | 8,5 | 9500106RB61 | 95001061073     | 95001060000     |
| GPN 950 / 0126 | 20   | 12,6 | 11   | 9,2  | 8   | 9500126RB61 | 95001261073     | 95001260000     |
| GPN 950 / 0131 | 22   | 13,1 | 11,5 | 9,2  | 8   | 9500131RB61 | 95001311073     | 95001310000     |
| GPN 950 / 0147 | 22   | 14,7 | 13,1 | 11,2 | 10  | 9500147RB61 | 95001471073     | 95001470000     |
| GPN 950 / 0157 | 20   | 15,7 | 13,5 | 8,9  | 8   | 9500157RB61 | 95001571073     | 95001570000     |
| GPN 950 / 0168 | 24   | 16,8 | 15,5 | 9,2  | 8,5 | 9500168RB61 | 95001681073     | 95001680000     |
| GPN 950 / 0180 | 24   | 18   | 16   | 8    | 7,2 | 9500180RB61 | 95001801073     | 95001800000     |
| GPN 950 / 0188 | 28   | 18,8 | 17,5 | 11,2 | 10  | 9500188RB61 | 95001881073     | 95001880000     |
| GPN 950 / 0193 | 28   | 19,3 | 17,7 | 11,2 | 10  | 9500193RB61 | 95001931073     | 95001930000     |
| GPN 950 / 0208 | 30   | 20,8 | 19,5 | 11,2 | 10  | 9500208RB61 | 95002081073     | 95002080000     |
| GPN 950 / 0229 | 31,8 | 22,9 | 21,7 | 11,4 | 10  | 9500229RB61 | 95002291073     | 95002290000     |
| GPN 950 / 0250 | 33,5 | 25,1 | 23,6 | 11,3 | 10  | 9500250RB61 | 95002501073     | 95002500000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



**More versatile.**

Can be used as cap or plug.



**Cleaner.**

Production in accordance with VDA Band 19 and ISO 16232 in our cleanroom on request.



**Better.**

With knurled collar. Suitable for bore holes, internal and external threads, or pipe ends.



**Seals better.**

Protection against foreign objects > 1 mm

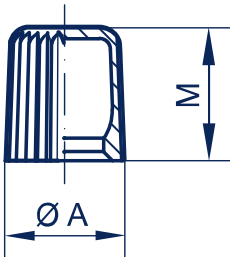


# GPN 980 Type A

## Application



The grease nipple caps GPN 980 Type A are suitable for protecting tapered grease nipples pursuant to DIN 71412. The outer wall is knurled for a good grip for easier assembly and disassembly.



PE-LLD  
yellow

Virgin material

| Article        | Colour | A   | M |             |
|----------------|--------|-----|---|-------------|
| GPN 980 / 0100 | yellow | 8,2 | 9 | 98001000000 |
| GPN 980 / 0101 | red    | 8,2 | 9 | 98001010000 |
| GPN 980 / 0102 | green  | 8,2 | 9 | 98001020000 |
| GPN 980 / 0103 | black  | 8,2 | 9 | 98001030000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Better fit.

Protection for the tapered heads of grease nipples in accordance with DIN EN 71412.



### Better.

Protect the tapered head of grease nipples against contamination and visibly mark lubrication points.  
Caps are knurled for ease of grip.



### Seals better.

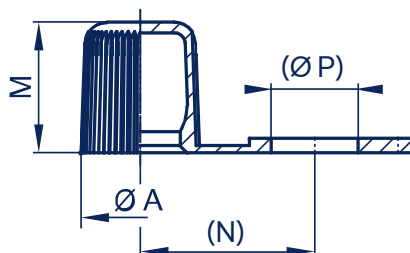
Protection against foreign objects > 1 mm



# Grease Nipple Caps GPN 980 Type B

## Application

The grease nipple caps GPN 980 Type B are suitable for protecting tapered grease nipples pursuant to DIN EN 71412 and feature a captive tab design. The outer wall is knurled for a good grip for easier assembly and disassembly.



**PE-LLD  
yellow**

Virgin material

| Article        | Colour | A   | M | N  | P |             |
|----------------|--------|-----|---|----|---|-------------|
| GPN 980 / 0200 | yellow | 8,2 | 9 | 12 | 6 | 98002000000 |
| GPN 980 / 0201 | red    | 8,2 | 9 | 12 | 6 | 98002010000 |
| GPN 980 / 0202 | green  | 8,2 | 9 | 12 | 6 | 98002020000 |
| GPN 980 / 0203 | black  | 8,2 | 9 | 12 | 6 | 98002030000 |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



**Better fit.**

Protection for the tapered heads of grease nipples in accordance with DIN EN 71412.



**Better.**

Protect the tapered head of grease nipples against contamination and visibly mark lubrication points.  
Caps are knurled for ease of grip.



**Seals better.**

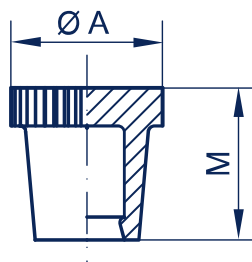
Protection against foreign objects > 1 mm



# Grease Nipple Caps GPN 985 Type A

## Application

The grease nipple caps GPN 985 type A are suitable for protecting tapered grease nipples pursuant to DIN 71412. The outer wall is knurled for a good grip for easier assembly and disassembly.



**PE-LLD  
yellow**

| Article        | Colour | A  | M  | Virgin material |
|----------------|--------|----|----|-----------------|
| GPN 985 / 0100 | yellow | 12 | 12 | 98501000000     |
| GPN 985 / 0101 | red    | 12 | 12 | 98501010000     |
| GPN 985 / 0102 | green  | 12 | 12 | 98501020000     |
| GPN 985 / 0103 | black  | 12 | 12 | 98501030000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Better fit.

Protection for the tapered heads of grease nipples in accordance with DIN EN 71412.



### Better.

Protect the tapered head of grease nipples against contamination and visibly mark lubrication points.  
Caps are knurled for ease of grip.



### Seals better.

Protection against foreign objects >1 mm

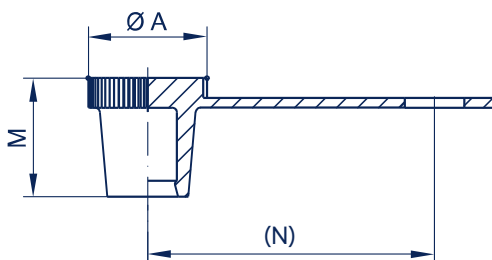


# Grease Nipple Caps

## GPN 985 Type B

### Application

The GPN 985 type B grease nipple caps are suitable for protecting tapered grease nipples in accordance with DIN EN 71412 and feature a captive tab design. The outer wall is knurled for a good grip for easier assembly and disassembly.



**PE-LLD  
yellow**

| Article        | Colour | A  | M  | N  | Virgin material |
|----------------|--------|----|----|----|-----------------|
| GPN 985 / 0200 | yellow | 12 | 12 | 29 | 98502000000     |
| GPN 985 / 0201 | red    | 12 | 12 | 29 | 98502010000     |
| GPN 985 / 0202 | green  | 12 | 12 | 29 | 98502020000     |
| GPN 985 / 0203 | black  | 12 | 12 | 29 | 98502030000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

### Your added values:



**Better fit.**

Protection for the tapered heads of grease nipples in accordance with DIN EN 71412.



**Better.**

Protect the tapered head of grease nipples against contamination and visibly mark lubrication points.  
Caps are knurled for ease of grip.



**Seals better.**

Protection against foreign objects >1 mm

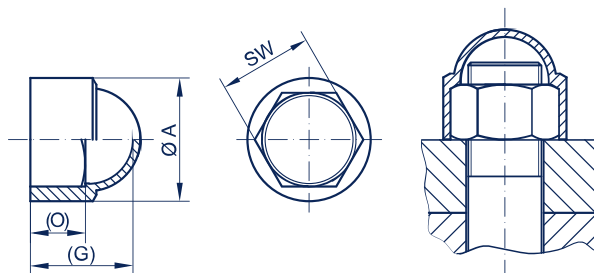


## Application



The GPN 1000 hexagonal caps protect bolts and nuts and offer a high level of corrosion protection. The cylindrical outer contour prevents the use of a spanner. The thick-walled design enables increased load-bearing capacity.

All information about the recycling blend can be found in at [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)



| Article         | SW | A     | G    | O    | PCR-PE / PE-LD<br>black | PE-LD<br>black  |
|-----------------|----|-------|------|------|-------------------------|-----------------|
|                 |    |       |      |      | Recycling blend         | Virgin material |
| GPN 1000 / 1916 | 7  | 9     | 7,5  | 3,5  | 10019160073             | 10019160000     |
| GPN 1000 / 1068 | 8  | 10,9  | 8,5  | 5    | 10010680073             | 10010680000     |
| GPN 1000 / 1069 | 10 | 12,9  | 12   | 6    | 10010690073             | 10010690000     |
| GPN 1000 / 0893 | 13 | 16,8  | 14   | 7,5  | 10008930073             | 10008930000     |
| GPN 1000 / 1071 | 14 | 18    | 14   | 7,5  | 10010710073             | 10010710000     |
| GPN 1000 / 8267 | 16 | 21,3  | 18   | 9    | 10082670073             | 10082670000     |
| GPN 1000 / 1072 | 17 | 21,3  | 18,5 | 9    | 10010720073             | 10010720000     |
| GPN 1000 / 0857 | 18 | 23    | 19,4 | 11   | 10008570073             | 10008570000     |
| GPN 1000 / 1073 | 19 | 23,6  | 20   | 11   | 10010730073             | 10010730000     |
| GPN 1000 / 0190 | 21 | 26    | 22,5 | 12   | 10001900073             | 10001900000     |
| GPN 1000 / 1074 | 22 | 27,5  | 22,5 | 12   | 10010740073             | 10010740000     |
| GPN 1000 / 1075 | 24 | 29,8  | 25,5 | 14   | 10010750073             | 10010750000     |
| GPN 1000 / 1076 | 27 | 34    | 29   | 16   | 10010760073             | 10010760000     |
| GPN 1000 / 1077 | 30 | 37,4  | 31   | 17   | 10010770073             | 10010770000     |
| GPN 1000 / 1078 | 32 | 39,7  | 34   | 19   | 10010780073             | 10010780000     |
| GPN 1000 / 1079 | 36 | 44,4  | 38   | 20   | 10010790073             | 10010790000     |
| GPN 1000 / 1080 | 41 | 50,1  | 44   | 23   | 10010800073             | 10010800000     |
| GPN 1000 / 1081 | 46 | 55,9  | 49   | 25   | 10010810073             | 10010810000     |
| GPN 1000 / 1414 | 50 | 60,5  | 53   | 27   | 10014140073             | 10014140000     |
| GPN 1000 / 1811 | 55 | 67    | 55,5 | 30   | 10018110073             | 10018110000     |
| GPN 1000 / 3762 | 60 | 72    | 60   | 38   | 10037620073             | 10037620000     |
| GPN 1000 / 3763 | 65 | 76,6  | 63   | 42   | 10037630073             | 10037630000     |
| GPN 1000 / 6706 | 70 | 85,5  | 73   | 38   | 10067060073             | 10067060000     |
| GPN 1000 / 8638 | 75 | 91,6  | 78,5 | 41   | 10086380073             | 10086380000     |
| GPN 1000 / 8639 | 80 | 98    | 83,4 | 43,5 | 10086390073             | 10086390000     |
| GPN 1000 / 8641 | 95 | 116,7 | 102  | 55   | 10086410073             | 10086410000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for exterior use

| Article         | male thread | Fine thread |            |          |  | Pipe thread |
|-----------------|-------------|-------------|------------|----------|--|-------------|
| GPN 1000 / 1916 | M 4         |             |            |          |  |             |
| GPN 1000 / 1068 | M 5         |             |            |          |  |             |
| GPN 1000 / 1069 | M 6         |             |            |          |  |             |
| GPN 1000 / 0893 | M 8         | M 8 x 1     |            |          |  |             |
| GPN 1000 / 8267 | M 10        |             |            |          |  |             |
| GPN 1000 / 1072 | M 10        | M 10 x 1    |            |          |  |             |
| GPN 1000 / 0857 | M 12        |             |            |          |  |             |
| GPN 1000 / 1073 | M 12        |             | M 12 x 1,5 |          |  |             |
| GPN 1000 / 0190 | M 14        |             | M 14 x 1,5 |          |  |             |
| GPN 1000 / 1074 | M 14        |             | M 14 x 1,5 |          |  | G 1/4       |
| GPN 1000 / 1075 | M 16        |             | M 16 x 1,5 |          |  |             |
| GPN 1000 / 1076 | M 18        |             | M 18 x 1,5 | M 18 x 2 |  | G 3/8       |
| GPN 1000 / 1077 | M 20        |             | M 20 x 1,5 | M 20 x 2 |  |             |
| GPN 1000 / 1078 | M 22        |             | M 22 x 1,5 | M 22 x 2 |  | G 1/2       |
| GPN 1000 / 1079 | M 24        |             | M 24 x 1,5 | M 24 x 2 |  | G 5/8       |
|                 |             |             | M 26 x 1,5 |          |  |             |
| GPN 1000 / 1080 | M 27        |             | M 27 x 1,5 | M 27 x 2 |  | G 3/4       |
|                 |             |             | M 28 x 1,5 |          |  |             |



# Hexagonal Caps GPN 1000

| Article                            | male thread  |  | Fine thread                            |                      |          | Pipe thread        |
|------------------------------------|--------------|--|----------------------------------------|----------------------|----------|--------------------|
| GPN 1000 / 1081<br>GPN 1000 / 1414 | M 30         |  | M 30 x 1,5<br>M 33 x 1,5               | M 30 x 2<br>M 33 x 2 |          | G 7/8              |
| GPN 1000 / 1811                    | M 36         |  | M 35 x 1,5<br>M 36 x 1,5               |                      | M 36 x 3 |                    |
| GPN 1000 / 3762                    | M 39         |  | M 38 x 1,5<br>M 39 x 1,5<br>M 40 x 1,5 |                      | M 39 x 3 |                    |
| GPN 1000 / 3763<br>GPN 1000 / 6706 | M 42<br>M 45 |  | M 42 x 1,5                             |                      | M 42 x 3 |                    |
| GPN 1000 / 8638<br>GPN 1000 / 8639 |              |  |                                        |                      |          | G 1 1/2<br>G 1 3/4 |
| GPN 1000 / 8641                    |              |  |                                        |                      |          | G 2 1/4            |

This application table represents guideline values. We would be pleased to send you free samples.

## Your added values:



### More robust.

Thick-walled design for higher demands.



### Better.

Protection for nuts and bolts. Optimum corrosion protection. The cylindrical outer contour prevents the application of spanners.



### Seals better.

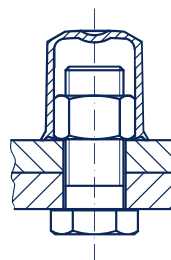
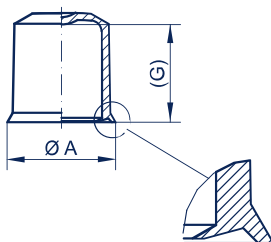
Protection against foreign objects >1 mm





## Application

The GPN 1010 snap-on caps protect bolts and nuts and offer a high level of corrosion protection. The high version is suitable for longer stud lengths. The caps snap into place under the nut thanks to the all-round clamping edge.



**PE-LD  
black**

| Article        | SW | A    | G    | Virgin material |
|----------------|----|------|------|-----------------|
| GPN 1010 SW 8  | 8  | 12   | 10,2 | 10100080000     |
| GPN 1010 SW 10 | 10 | 15   | 13,5 | 10100100000     |
| GPN 1010 SW 13 | 13 | 19   | 18,5 | 10100130000     |
| GPN 1010 SW 17 | 17 | 24,4 | 25   | 10100170000     |
| GPN 1010 SW 19 | 19 | 27   | 27,7 | 10100190000     |
| GPN 1010 SW 22 | 22 | 30,5 | 33   | 10100220000     |
| GPN 1010 SW 24 | 24 | 33,5 | 36,6 | 10100240000     |
| GPN 1010 SW 30 | 30 | 41   | 47   | 10100300000     |
| GPN 1010 SW 36 | 36 | 49,3 | 56,5 | 10100360000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Application guide for exterior use

| Article        | male thread |          | Fine thread |          | Pipe thread |
|----------------|-------------|----------|-------------|----------|-------------|
| GPN 1010 SW 8  | M 5         |          |             |          |             |
| GPN 1010 SW 10 | M 6         |          |             |          |             |
| GPN 1010 SW 13 | M 8         | M 8 x 1  |             |          |             |
| GPN 1010 SW 17 | M 10        | M 10 x 1 |             |          |             |
| GPN 1010 SW 19 | M 12        |          | M 12 x 1,5  |          |             |
| GPN 1010 SW 22 | M 14        |          | M 14 x 1,5  |          | G 1/4       |
| GPN 1010 SW 24 | M 16        |          | M 16 x 1,5  |          |             |
| GPN 1010 SW 30 | M 20        |          | M 20 x 1,5  | M 20 x 2 |             |
| GPN 1010 SW 36 | M 24        |          | M 24 x 1,5  | M 24 x 2 |             |

This application table represents guideline values. We would be pleased to send you free samples.

## Your added values:



**Better.**

Protection of nuts and bolts. Optimum corrosion protection. Designed for greater bolt length. The circumferential rim snaps in place beneath the nut.



**Seals better.**

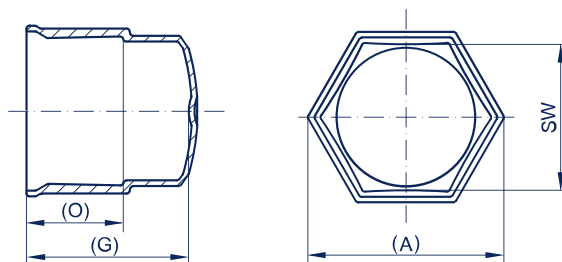
Protection against foreign objects >1 mm



Link to GPN 1010

## Application

The GPN 1050 hexagonal caps protect hose ends with union nuts and offer a high level of transport and corrosion protection. They can also be used for an external hexagon.



**PE-LLD  
black**

| Article        | SW | A    | G    | O    | Virgin material |
|----------------|----|------|------|------|-----------------|
| GPN 1050 SW 14 | 14 | 19,6 | 26,3 | 14,5 | 10500140000     |
| GPN 1050 SW 17 | 17 | 23,1 | 26,3 | 14,5 | 10500170000     |
| GPN 1050 SW 19 | 19 | 25,2 | 27,1 | 15,5 | 10500190000     |
| GPN 1050 SW 22 | 22 | 28,7 | 26,9 | 15,5 | 10500220000     |
| GPN 1050 SW 24 | 24 | 30,5 | 28,5 | 17   | 10500240000     |
| GPN 1050 SW 27 | 27 | 34,5 | 28,2 | 17   | 10500270000     |
| GPN 1050 SW 30 | 30 | 38   | 28,4 | 17   | 10500300000     |
| GPN 1050 SW 32 | 32 | 40,3 | 28,4 | 17   | 10500320000     |
| GPN 1050 SW 36 | 36 | 44,9 | 28,3 | 17   | 10500360000     |
| GPN 1050 SW 41 | 41 | 50,7 | 29,5 | 18   | 10500410000     |
| GPN 1050 SW 46 | 46 | 56,4 | 30   | 19   | 10500460000     |
| GPN 1050 SW 50 | 50 | 61   | 30,5 | 19,5 | 10500500000     |
| GPN 1050 SW 60 | 60 | 72,6 | 31   | 20   | 10500600000     |

Dimensions in mm.

Information on materials, colours, designs and use of our products can be found on the website and in chapter 4 'Materials and application'.

## Your added values:



### Better.

For hose ends with union nut and hexagonal nut. These products provide effective protection against contamination, damage, corrosion and injuries.



### Seals better.

Protection against foreign objects > 1 mm



# MATERIALS AND USE

## Material characteristics\*

| Plastic types                 | Designation                                                                     | Hardness                 |
|-------------------------------|---------------------------------------------------------------------------------|--------------------------|
| EVA                           | Ethylene vinyl acetate                                                          | very soft / elastic      |
| PE-HD                         | Polyethylene, High Density                                                      | hard / elastic           |
| PE-LD                         | Polyethylene, Low Density                                                       | soft / elastic           |
| PE-LLD                        | Polyethylene, Linear Low Density                                                | soft / elastic           |
| PA 6                          | Polyamide 6                                                                     | hard / tough             |
| PA 6 GF 30                    | Polyamide 6 glass fibre reinforced                                              | hard                     |
| PA 6.6                        | Polyamide 6.6                                                                   | hard / tough             |
| PA 6.6 GF 35                  | Polyamide 6.6 glass fibre reinforced                                            | very hard                |
| MJF PA12                      | Multi Jet Fusion polyamide 12                                                   | very hard                |
| PCR-PE <sup>1</sup>           | Post-consumer recyclate, polyethylene                                           | soft/ elastic            |
| PCR-PE / PE-LD <sup>2</sup>   | Post-consumer recyclate, polyethylene batch                                     | soft/ elastic            |
| PCR-PE-HD <sup>2</sup>        | Post-consumer recyclate, polyethylene, high density                             | hard / elastic           |
| PCR-PP <sup>1</sup>           | Post-consumer recyclate, polypropylene                                          | hard / tough             |
| PCR-TPE <sup>3</sup>          | Post-consumer recyclate, thermoplastic polyolefin elastomer                     | extremely soft / elastic |
| PCR-TPE (EVAeq.) <sup>3</sup> | Post-consumer recyclate, thermoplastic polyolefin elastomer (equivalent to EVA) | very soft / elastic      |
| PET                           | Polyethylene terephthalate                                                      | hard / tough             |
| PP                            | Polypropylene                                                                   | hard / tough             |
| PS                            | Polystyrene                                                                     | hard / tough             |
| SI                            | Silicone                                                                        | extremely soft / elastic |
| PHT / TPC-ET                  | Thermoplastic polyester elastomer                                               | soft / elastic           |
| TPE                           | Thermoplastic polyolefin elastomer                                              | extremely soft / elastic |

We manufacture KAPSTO® plastic protective solutions primarily from polyethylene (PE-LD, PE-HD) and polypropylene (PP). These are hydrocarbon compounds. The material PE-LD may contain some PE-LLD. The material PE-LLD may contain proportions of PE-LD. The materials we use can consist of both virgin material and recycled material. They are recyclable, groundwater-neutral and suitable for thermal utilisation. For details, please refer to the product descriptions in this catalogue. Other materials are available for special stresses - whether mechanical, thermal or chemical. We will be happy to advise you.

<sup>1</sup> PCR-PE-HD: The articles consist of 98% PCR-PE-HD and 2% colourant based on a PIR carrier. The plastic used consists of 100% PCR.

<sup>2</sup> PCR-PE / PE-LD: The articles consist of a blend of PCR and virgin material.

<sup>3</sup> PCR-TPE: The PCR article consists of a blend of PCR (post-consumer recyclate) and virgin TPE (thermoplastic elastomers).

## Chemical resistance\*

| Plastic types    | Weak acids | Weak alkaline solutions | Alcohol | Solvent | Fuels | Mineral oils | Greases / Oils | Water, hot |
|------------------|------------|-------------------------|---------|---------|-------|--------------|----------------|------------|
| EVA              | ●          | ●                       | ■       | ●       | ●     | ●            | ■              | ■          |
| PE-HD            | ■          | ■                       | ■       | ●       | ●     | ■            | ■              | ■          |
| PE-LD            | ■          | ■                       | ■       | ●       | ●     | ●            | ■              | ■          |
| PE-LLD           | ■          | ■                       | ■       | ●       | ●     | ●            | ■              | ■          |
| PA 6             | ●          | ■                       | ■       | ■       | ■     | ■            | ■              | ●          |
| PA 6 GF 30       | ●          | ■                       | ■       | ■       | ■     | ■            | ■              | ●          |
| PA 6.6           | ■          | ■                       | ■       | ■       | ■     | ■            | ■              | ●          |
| PA 6.6 GF 35     | ●          | ■                       | ■       | ■       | ■     | ■            | ■              | ●          |
| PCR-PE           | ■          | ■                       | ■       | ●       | ●     | ●            | ■              | ■          |
| PCR-PE / PE-LD   | ■          | ■                       | ■       | ●       | ●     | ●            | ■              | ■          |
| PCR-PE-HD        | ■          | ■                       | ■       | ●       | ●     | ■            | ■              | ■          |
| PCR-PP           | ■          | ■                       | ■       | ●       | ●     | ■            | ■              | ■          |
| PCR-TPE          | ■          | ■                       | ■       | ●       | ●     | ●            | ●              | ■          |
| PCR-TPE (EVAeq.) | ■          | ■                       | ■       | ●       | ●     | ●            | ●              | ■          |
| PET              | ●          | ●                       | ■       | ●       | ■     | ■            | ■              | ●          |
| PP               | ■          | ■                       | ■       | ●       | ●     | ■            | ■              | ■          |
| PS               | ●          | ■                       | ■       | ●       | ●     | ●            | ■              | ■          |
| SI               | ●          | ●                       | ■       | ●       | ●     | ●            | ●              | ●          |
| PHT / TPC-ET     | ●          | ●                       | ■       | ●       | ■     | ■            | ■              | ●          |
| TPE              | ■          | ■                       | ■       | ●       | ●     | ●            | ●              | ■          |

■ resistant    ● conditional resistant

## Standard colours\*

| Colour                        | Remark        | Designation |
|-------------------------------|---------------|-------------|
| sulfur yellow                 | Signal colour | RAL 1016    |
| pure orange                   | Signal colour | RAL 2004    |
| flame red                     | Signal colour | RAL 3000    |
| blue lilac                    |               | RAL 4005    |
| light blue                    |               | RAL 5012    |
| recycling blue / traffic blue |               | RAL 5017    |
| turquoise blue                |               | RAL 5018    |
| emerald green                 |               | RAL 6001    |
| squirrel grey                 |               | RAL 7000    |
| fawn brown                    |               | RAL 8007    |
| jet black                     |               | RAL 9005    |
| pure white                    |               | RAL 9010    |

KAPSTO® plastic protective solutions are manufactured as standard in certain standard colours, which can be found in the respective product descriptions in this catalogue. Additional colours are available for custom-made products at an extra charge. We reserve the right to make technical colour deviations. These differences are unavoidable due to the colour pigments as well as the plastic raw materials. Colours not listed are available on request.

## Physical properties\*

| Plastic types    | Temperature resistance |           |           | Light transmittance |             |        | General tolerance                   |                                          |
|------------------|------------------------|-----------|-----------|---------------------|-------------|--------|-------------------------------------|------------------------------------------|
|                  | short time             | permanent | permanent | translucent         | transparent | opaque | DIN 16901, DIN 16742, DIN ISO 20457 | DIN ISO 3302-1, DIN 16742, DIN ISO 20457 |
| EVA              | + 60 °C                | - 40 °C   | - 40 °C   |                     | ●           | ●      | ●                                   |                                          |
| PE-HD            | + 100 °C               | + 80 °C   | - 40 °C   | ●                   | ●           | ●      | ●                                   |                                          |
| PE-LD            | + 80 °C                | + 60 °C   | - 40 °C   | ●                   |             | ●      | ●                                   |                                          |
| PE-LLD           | + 90 °C                | + 70 °C   | - 40 °C   | ●                   | ●           | ●      | ●                                   |                                          |
| PA 6             | + 150 °C               | + 90 °C   | - 20 °C   |                     |             | ●      | ●                                   |                                          |
| PA 6 GF 30       | + 200 °C               | + 110 °C  | - 20 °C   |                     |             | ●      | ●                                   |                                          |
| PA 6.6           | + 170 °C               | + 90 °C   | - 20 °C   |                     |             | ●      | ●                                   |                                          |
| PA 6.6 GF 35     | + 220 °C               | + 110 °C  | - 20 °C   |                     |             | ●      | ●                                   |                                          |
| MJF PA12         | + 170 °C               | + 90 °C   | - 20 °C   |                     |             | ●      | ●                                   |                                          |
| PCR-PE           | + 80 °C                | + 60 °C   | - 40 °C   |                     |             | ●      | ●                                   |                                          |
| PCR-PE / PE-LD   | + 80 °C                | + 60 °C   | - 40 °C   |                     |             | ●      | ●                                   |                                          |
| PCR-PE-HD        | + 100 °C               | + 80 °C   | - 40 °C   | ●                   | ●           | ●      | ●                                   |                                          |
| PCR-PP           | + 130 °C               | + 100 °C  | - 20 °C   |                     |             | ●      | ●                                   |                                          |
| PCR-TPE          | + 120 °C               | + 100 °C  | - 50 °C   |                     |             | ●      |                                     | ●                                        |
| PCR-TPE (EVAeq.) | + 120 °C               | + 100 °C  | - 50 °C   |                     |             | ●      |                                     | ●                                        |
| PET              | + 60 °C                | - 40 °C   | - 20 °C   |                     | ●           |        | ●                                   |                                          |
| PP               | + 130 °C               | + 100 °C  | - 20 °C   |                     |             | ●      | ●                                   |                                          |
| PS               | + 80 °C                | - 50 °C   | - 10 °C   |                     | ●           |        | ●                                   |                                          |
| SI               | + 250 °C               | + 170 °C  | - 50 °C   |                     | ●           |        |                                     | ●                                        |
| PHT / TPC-ET     | + 180 °C               | + 120 °C  | - 40 °C   |                     |             | ●      | ●                                   |                                          |
| TPE              | + 150 °C               | + 120 °C  | - 50 °C   |                     |             | ●      |                                     | ●                                        |

### \*Note

KAPSTO® plastic protective elements serve as protection against damage and contamination during transport, storage and the production process. The applications illustrated are intended as examples for such uses. The specific intended use of KAPSTO® protective elements is at the discretion of the purchaser. Due to the multitude of possible influences during processing, use and application of our products, we recommend determining suitability for the purchaser's intended use by carrying out independent tests and trials. We are happy to provide free samples for this purpose.

The product and material data contained in this catalogue are based on publicly available information, e.g. from raw material suppliers. This data does not take into account the various effects on our product that may occur during actual use in the application intended by the purchaser. In particular, the data does not constitute guarantees of quality or durability, assured properties or agreements on specification. This does not release the buyer or user from the obligation to carry out their own tests and trials for their specific intended use. Occasional discolouration, streaks or dark spots may occur due to the manufacturing process and are permissible for the articles, including colour deviations as well as black spots that cannot be entirely avoided.

Errors and changes without prior notice reserved. All illustrations are for reference only. These are products from our standard range. Variations between individual sizes are possible.

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THE KAPSTO® ADVANTAGES

# MORE INDIVIDUAL. NOW.

## Customised protective solutions.

You haven't found a suitable protective solution yet? On request, we can develop and produce customised special designs that are individually tailored to your needs. What task should the protective solution fulfil? Should it have a grip or a thread? What properties should the material have? No matter how specific your requirements for the protective solution are, we can do it. And it's cheaper than you think. This is because it is not usually necessary to build completely new moulds. In most cases, it is sufficient to produce special mould inserts for existing master tools. We are happy to produce design, functional and assembly samples in various materials for you to test precisely.

Naturally, you benefit from our competent and customer-orientated project support, which takes on numerous tasks relating to the entire project. This saves you a lot of time and additional, costly interfaces (e.g. external development offices and toolmakers).

Just get in touch with us:

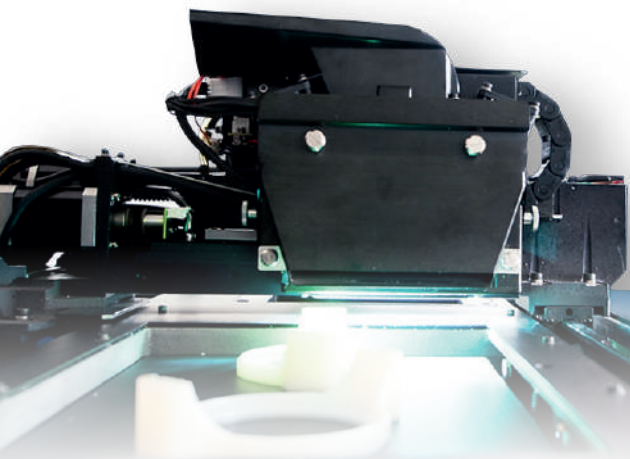
**+49 4442 982-9100**

or at [www.poeppelmann.com/en/kapsto](http://www.poeppelmann.com/en/kapsto)



## Short development times.

With rapid prototyping, customised test samples in different materials are available in the early stages of development. And with rapid tooling, we offer our customers a way to achieve the finished product faster and more economically. At the same time, risks can be minimised and article designs or article versions can be implemented more realistically.





## Special colours and materials.

In addition to the standard versions, you also have the option of having your plastic protective solutions manufactured in special colours and materials and even in signal colours. After prior checking, production as a resource-saving alternative is also possible. The protective solutions are made from 100% recycled plastic or a blend of PCR and virgin material. All in line with our company-wide PÖPPELMANN blue® initiative. Just get in touch with us!

## New tools, repairs and maintenance.

Thanks to our in-house master tool concept, our team at the Tool Technology Centre can produce new tools for you very flexibly. We can also offer you many special designs, which we can produce quickly from existing tools to order.



## Tested and certified quality.

Our entire quality assurance team stands for consistent quality, high production output and exemplary cleanliness. Our production is also certified in accordance with DIN EN ISO 9001 and the environmental management system certified in accordance with EMAS II and DIN EN ISO 14001:2015.

## Maximum technical cleanliness.

For sensitive, safety-relevant and function-critical components, we manufacture our products on request in a special production area designed for maximum technical cleanliness. In this special production area, the KAPSTO® clean room, regular sampling and particle analyses are carried out in accordance with VDA Volume 19 and ISO 16232 to ensure cleanliness.



THE KAPSTO® ADVANTAGES

# FASTER. NOW.

## A finished tool in just 6 days.

From the approval of the product data through to tool manufacturing and the first samples coming off the production line.

With its own tooling and technology centre.

Just get in touch with us:

**+49 4442 982-9100**

or at [www.poeppelmann.com/en/kapsto](http://www.poeppelmann.com/en/kapsto)



## Priority production: special parts in 5 days.

In our KAPSTO® special programme, we can offer you around 2,000 other designs. You will receive these as standard after just 2 weeks. If that's not fast enough for you, why not try our optional Priority Production? After your enquiry has been checked for feasibility, you will receive your special parts in just 5 days. In special cases after just 1 day.



## Next Day Delivery: Delivery the next day.

Have you decided in favour of a protective solution from our KAPSTO® standard range with over 4,000 products? With Next Day Delivery, you can conveniently order by 16:30h (on Fridays by 14:00h) and receive your goods directly on the next working day by 12:00h at the latest. This service applies to a maximum of 5 article items with a maximum total weight of 100 kg per order for national shipments in Germany only.



## Immediate delivery capability.

Thanks to our production team, our standard programme with over 4,000 designs is always immediately available from stock. With Pöppelmann KAPSTO®, you can rely on optimum availability and fast despatch of your items.



## Online CAD data download.

Each protective solution is available to you as a CAD data download at [www.poeppelmann.com](http://www.poeppelmann.com). For you, this means a lot of time savings and faster reaction times in the design phase. The fast data exchange in the CAD/CAM network also makes it easy to transfer existing 3D customer data.



THE KAPSTO® ADVANTAGES

# SIMPLER. NOW.

## Free test samples.

Do you need a protective solution from our standard programme? Request samples to test and select options - free of charge and without obligation, of course. We would be happy to advise you personally on finding the best solution.

Request a sample now:

**+49 4442 982-9100**

or at [www.poeppelmann.com/en/kapsto](http://www.poeppelmann.com/en/kapsto)



## Advice directly on site.

All Pöppelmann KAPSTO® sales employees have fixed areas of responsibility and are therefore always on site for you - this guarantees fast and flexible appointments. Thanks to many years of experience, they have extensive product and application knowledge and can provide you with the best possible advice.

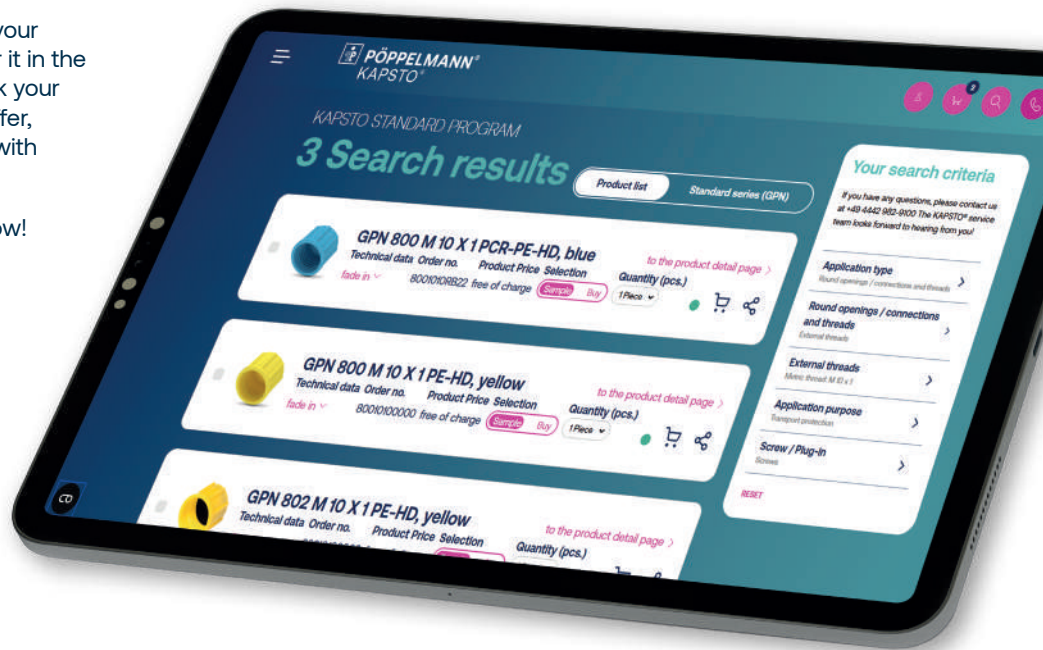
THE KAPSTO® ADVANTAGES

# BUY ONLINE. NOW.

## Do you know that?

You need the right protection solution for your application quickly, then have to search for it in the catalogue or on the website and then work your way through a flood of emails about the offer, order and shipping information? And that with every repeat order?

Save yourself the work and order online now!



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[www.poeppelmann.com/en/kapsto](http://www.poeppelmann.com/en/kapsto)

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Customer-specific agreements, order history and consignment history tracking.



Optimised and guided use case search for more accurate product recommendations.



Order free samples and products quickly and easily.

# MORE SUSTAINABLE. NOW.

## Protective solutions in three variants for more sustainability.

As part of the company-wide PÖPPELMANN blue® initiative, we have developed sustainable protective caps and plugs made from recycled plastic. As a result, we now offer you a large part of our extensive standard range in the two sustainable variants **100% post-consumer** recycled material (hereinafter referred to as 100% PCR) in the plastic used and the **recycled mixture**, a blend of PCR and virgin material. Accordingly, you will find all available variants with the corresponding order numbers in the dimension tables on the following product pages.

### 100% POST CONSUMER RECYCLATE

PCR-PE, PCR-PP, PCR-PS, PCR-PE-HD



GPN 200 PCR-PE, blue

- + Up to 100% resource conservation
- + Up to 45% lower CO<sub>2</sub>e emissions compared to virgin material
- + Can be completely returned to the material cycle after use
- + Awarded with the Blue Angel environmental label since 2020

### RECYCLING BLEND

PCR-PE/PE-LD, PCR-PE/PE-LLD,  
PCR-TPE



GPN 360 PCR-PE / PE-LD

- + Mixture of predominantly post-consumer recyclate (PCR) and virgin material
- + Significantly lower CO<sub>2</sub>e emissions compared to the variant made from virgin material
- + Can be produced in various familiar colours despite a high degree of sustainability

### VIRGIN MATERIAL

PE-LD, PE-HD, PE-LLD, EVA, TPE, PHT/  
TPC-ET, SI, PP, PA, PET, PS



GPN 700 PE-HD

- + All colours incl. natural and white and all standard material groups possible
- + 70% material savings due to thin-walled thermoformed articles

## The new standard: sustainable standard ranges made from PCR in the usual top PÖPPELMANN quality.

All caps and plugs made from recycled plastic are available directly from stock in the usual Pöppelmann quality and can also be supplied in advance as free samples. The recycled material used is extensively tested in advance for its qualitative properties in relation to the product specifications and has already proven itself in a large number of other Pöppelmann KAPSTO® protective solutions. See for yourself and order free samples using the QR codes on the product pages.



# CO<sub>2</sub> OPTIMISED. NOW.

The plastics industry is changing and now needs new solutions to conserve natural resources and protect the climate. With our sustainable caps and plugs made from recycled plastic, we now offer you the solution in the field of protective solutions as standard. The main focus is on reducing CO<sub>2</sub>e emissions while maintaining the same high quality. Depending on the standard series, material variant and quantity, we can reduce CO<sub>2</sub>e emissions by up to 45% with 100% post-consumer recycled material and up to 28% with the recycled blend compared to virgin material. Calculate the savings potential of your desired article quickly and easily at [www.poeppelmann.com/en/kapsto/Responsibility/PCF-Rechner.html](http://www.poeppelmann.com/en/kapsto/Responsibility/PCF-Rechner.html)

## SUSTAINABILITY THROUGH CLOSED MATERIAL LOOP

### SORTING

The caps and plugs are then sorted according to plastic type and can be reused for the manufacture of recycled material.

### RECYCLED PRODUCTION

Used plastic products that have completed a full lifecycle, such as our caps and plugs, are reprocessed to become recyclate material.

### PRODUCTION

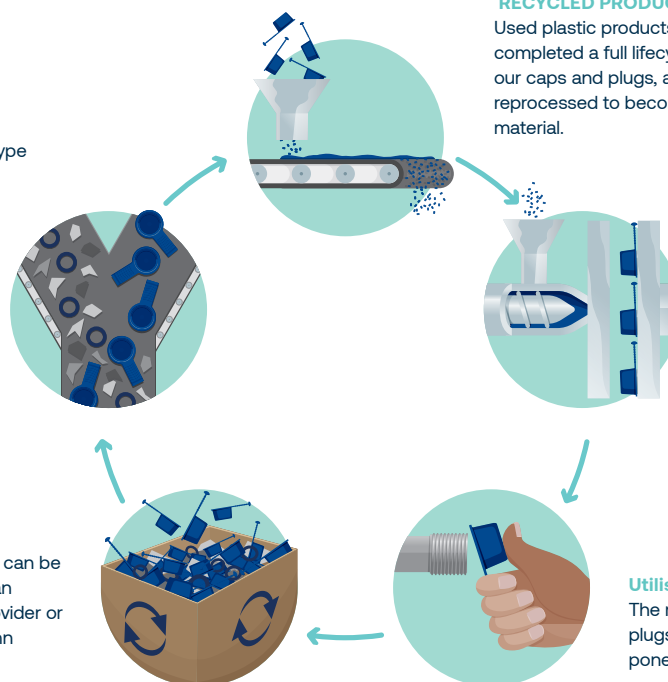
The recycled material produced is used to manufacture new caps and plugs.

### RETURN

After use, the items can be disposed of using an external service provider or through Pöppelmann directly.

### Utilisation

The recycled plastic caps and plugs are used to protect components.



## Saving resources together!

For a better future, we want to close cycles together with our customers. Our protective solutions are 100% recyclable after use, provided they are fed into a suitable disposal system. One such disposal system can be direct recycling via Pöppelmann KAPSTO® itself.

Further information: [www.poeppelmann.com/en/kapsto/Responsibility.html](http://www.poeppelmann.com/en/kapsto/Responsibility.html)

## OUR COMPANY.

Since 1949, Pöppelmann has developed into one of the leading manufacturers in the German plastics processing industry with six production sites and approx. 700 injection moulding machines, thermoforming lines and extruders. The quality "made by Pöppelmann" is valued in over 90 countries thanks to more than 2,500 highly qualified employees around the globe – our "Pöppelwomen and Pöppelmen".

And in a wide range of industries: We supply commercial horticulture with plant pots and growing systems and are also a partner to many companies in the mechanical and equipment engineering, automotive, electrical, solar, food, chemical, pharmaceutical, cosmetics and medical industries, as well as the surface technology and fittings industries.

## Pöppelmann at a glance:

- + Over 2,500 employees worldwide.
- + 6 production sites.
- + 700 plastics processing machines
- + 4 divisions: KAPSTO®, K-TECH®, FAMAC® and TEKU®
- + Own Mould Technology Centre
- + More than 150 trainees
- + Customers in over 90 countries

**PÖPPELMANN K-TECH®**

**Pöppelmann K-TECH® Customised plastic solutions for the automotive and industrial sectors.**

From sealing, weight reduction and functional integration to technical cleanliness: we develop innovative, economical and technical solutions that are tailored to your requirements. From development to series production, we are your strong partner with our resource-saving product solutions in terms of eco-design. It's good to have the right solution. Better if you don't have to stress about it.



## **PÖPPELMANN FAMAC®** functional parts and state-of-the-art packaging

Pöppelmann FAMAC® develops and produces technical functional parts and packaging for the food, pharmaceutical, cosmetics and medical technology industries. The introduction and application of a quality management system in accordance with DIN EN ISO 9001 and DIN EN ISO 13485 as well as a hygiene management system in accordance with the principles of the BRC Global Standard for packaging and packaging materials.



## **PÖPPELMANN TEKU®** products for commercial horticulture

Pöppelmann TEKU® is a reliable partner for all plant lovers and growers who value sustainability and climate protection. The company offers high-quality plant pots, professional cultivation systems and innovative transport and cultivation trays that are specially designed for commercial horticulture. For more than 50 years, Pöppelmann TEKU® has been developing intelligent solutions and added value for the best plants, maximum efficiency and effective conservation of resources. In addition to practical ideas for excellent self-marketing, all products also focus on the aspect of sustainability.



# WE. CREATE. FUTURE.

Pöppelmann has grown steadily since it was founded in 1949. From 50 square metres when it was founded, to 9,145 square metres in 1974 - to its current size with customers from over 90 countries. Our secret of success has always remained the same over the years: The wishes and requirements of our customers are at the centre of everything we do. Discover a successful family business.



**Germany, Plant 1:** Pöppelmann GmbH & Co. KG, Kunststoffwerk-  
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**Germany, Plant 2:** Pöppelmann Kunststoff-Technik GmbH &  
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**Germany, Plant 3:** Pöppelmann GmbH & Co. KG, Lohne/Brockdorf



**France:** Plastiques Pöppelmann France S.A.S., Rixheim



**USA:** Pöppelmann Plastics USA LLC, Claremont, NC



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- Production site
- Development centre
- Sales

**[www.poeppelmann.com](http://www.poeppelmann.com)**

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07/2026