



Hand in hand for tomorrow



## Product data sheet

Universal gripper PGB 125

# PGB

Universal gripper

**Flexible. Loadable. Reliable.**

## Universal gripper PGB

Universal 2-finger parallel gripper with a high gripping force and high moment capacity due to the multi-tooth slideway as well as the center bore

### Field of application

For universal use in clean and slightly dirty environments. Suitable for applications that require a center bore, e.g. for workpiece feeding, special sensor systems or optical recognition Systems.

### Advantages – Your benefits

**Robust multi-tooth guidance** for precise handling

**Center through-hole** for feed-through of workpieces, supply hoses, sensor systems, optical workpiece recognition systems, etc.

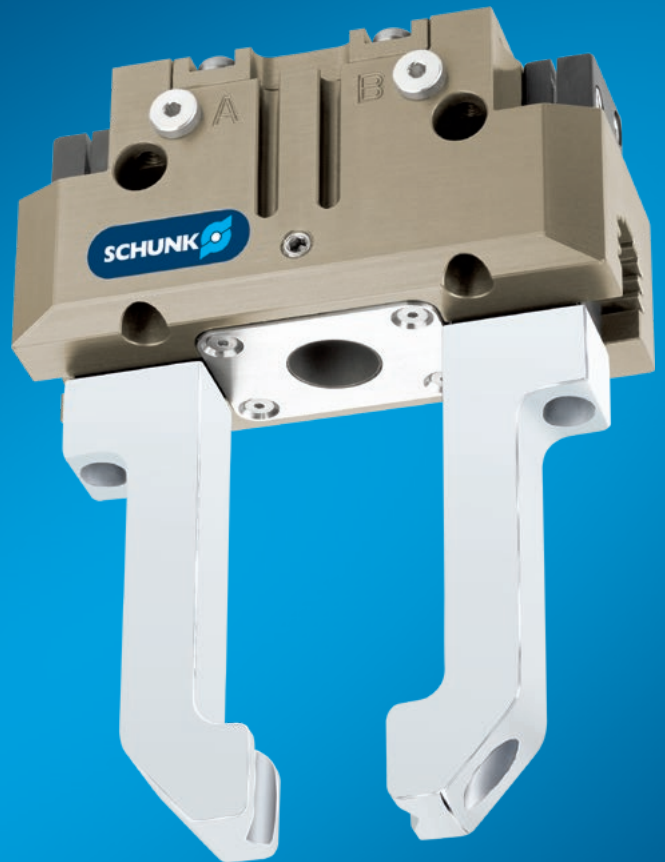
**High maximum moments possible** suitable for using long gripper fingers

**Drive concept oval piston** for maximum gripping forces

**Mounting from two sides in three screw directions** for universal and flexible gripper assembly

**Air supply via hose-free direct connection or screw connections** for flexible pressure supply in all automated systems

**Comprehensive sensor accessory program** for versatile querying possibilities and stroke position monitoring



Sizes  
Quantity: 4



Weight  
0.28 .. 1.32 kg



Gripping force  
90 .. 590 N



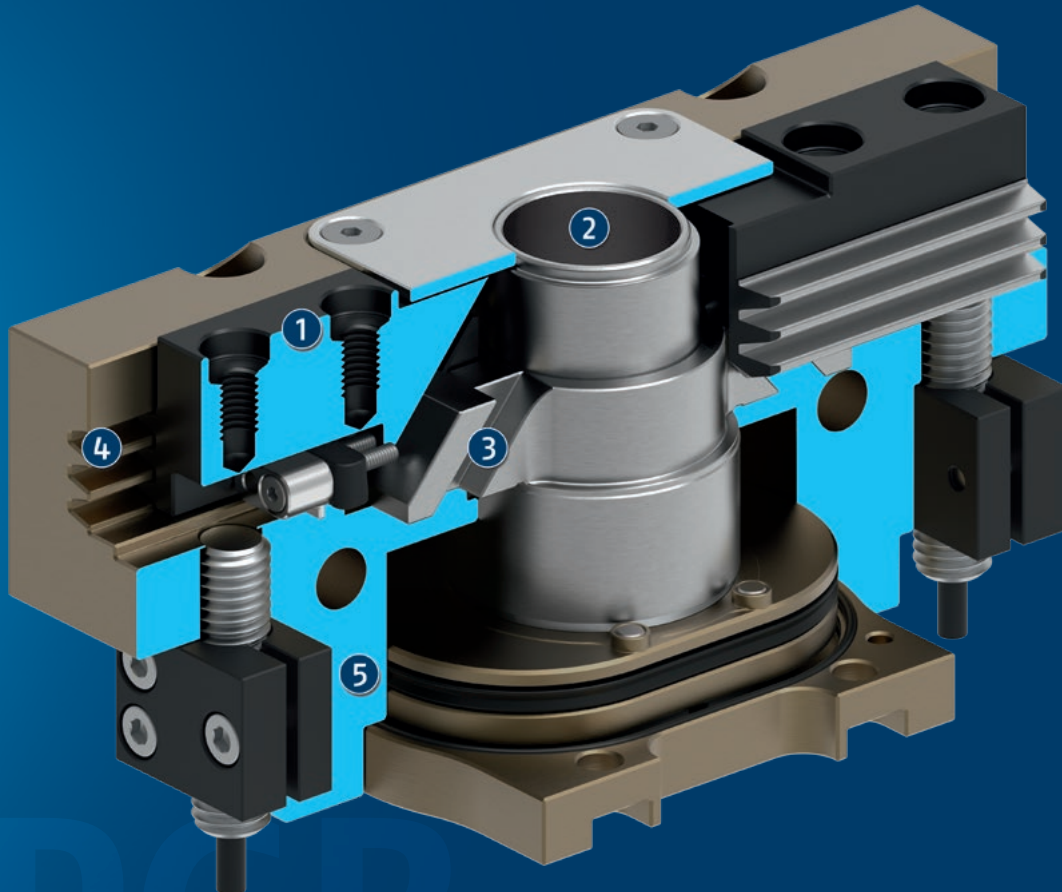
Stroke per jaw  
4 .. 10 mm



Workpiece weight  
0.7 .. 3.3 kg

## Functional description

The oval piston is moved up or down by compressed air. The angled active surfaces of the wedge-hook produce a synchronized, parallel jaw motion.



- ① **Base jaw**  
for the connection of workpiece-specific gripper fingers
- ② **Center bore**  
for workpiece feeding, for sensor systems, actuators (ejectors) or optical workpiece recognition
- ③ **Wedge-hook design**  
for high force transmission and centric gripping
- ④ **Multi-tooth guidance**  
highly loadable, nearly backlash-free base jaw guidance for long finger lengths
- ⑤ **Housing**  
is weight-optimized due to the use of high-strength aluminum alloy

## General notes about the series

**Operating principle:** Wedge-hook kinematics

**Housing material:** Aluminum alloy, anodized

**Base jaw material:** Steel

**Actuation:** pneumatic, with filtered compressed air as per ISO 8573-1:2010 [7:4:4].

**Warranty:** 36 months

**Service life characteristics:** on request

**Scope of delivery:** Bracket for proximity switch, centering sleeves, O-rings for direct connection, safety information (product-specific instructions available online)

**Gripping force maintenance:** possible with pressure maintenance valve SDV-P

**Gripping force:** is the arithmetic sum of the individual force applied to each jaw at distance P (see illustration).

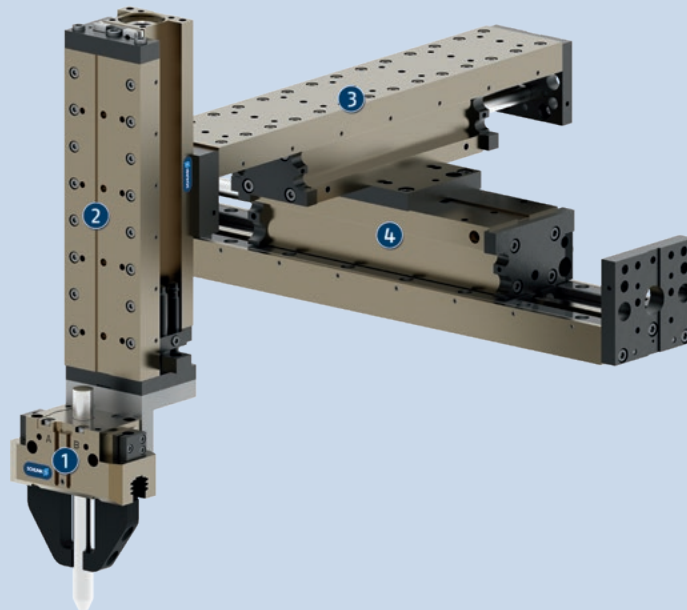
**Finger length:** is measured from the reference surface as the distance P in direction to the main axis.

The maximum permissible finger length applies until the nominal operating pressure is achieved. With higher pressures, the finger length must be reduced proportionally to the nominal operating pressure.

**Repeat accuracy:** is defined as a distribution of the end Position for 100 consecutive strokes.

**Workpiece weight:** is calculated for force-fit gripping with a coefficient of static friction of 0.1 and a safety factor of 2 against workpiece slippage at acceleration due to gravity g. For form-fit or capture gripping, there are significantly higher permissible workpiece weights.

**Closing and opening times:** are movement times of the base jaws only, without application-specific gripper fingers. Valve switching times, hose fill times, or PLC reaction times are not included, and are to be considered when cycle times are calculated.



## Application example

Assembly unit for long axes. Feeding is done space-saving via the center bore of the gripper.

① 2-finger parallel gripper PGB

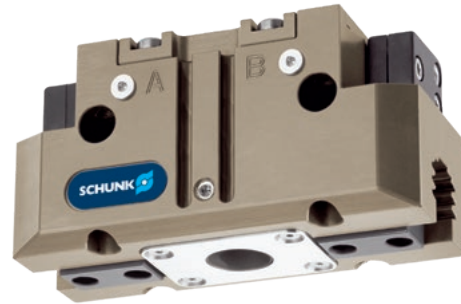
② Linear module CLM

③ Linear module LM

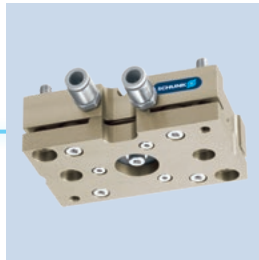
④ Linear module LM

## SCHUNK offers more ...

The following components make the product even more productive – the suitable addition for the highest functionality, flexibility, reliability, and controlled production.



Compensation unit



Tolerance compensation unit



Manual change system



Pressure maintenance valve



Inductive proximity switch



Magnetic switches



Finger blank



Universal intermediate jaw

① For more information on these products can be found on the following product pages or at [schunk.com](https://www.schunk.com).

## Options and special information

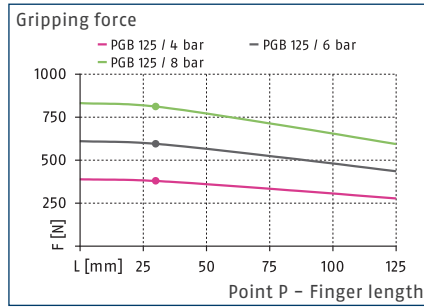
With its center bore, the PGB series is the optimal standard solution for many areas of application.

**Integrated air purge connection:** impedes the ingress of dirt into the inside of the gripper

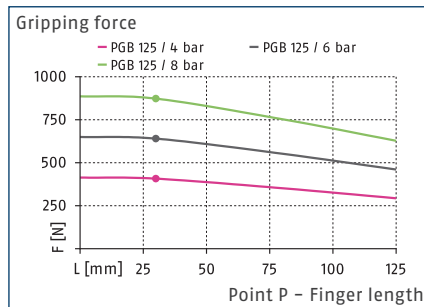
**Food-grade lubrication:** The product contains food-compliant lubricants as standard. The requirements of EN 1672-2:2020 are not fully met. The relevant NSF certificates are available at <https://info.nsf.org/USDA/Listings.asp> using the lubricant information in the operating manual.



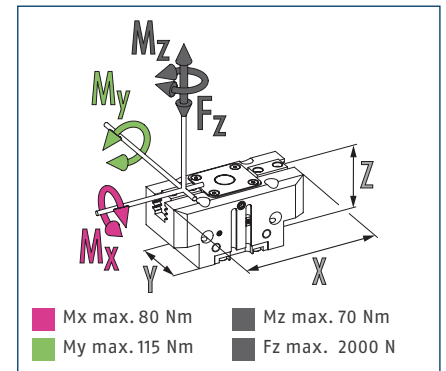
### Gripping force O.D. gripping



### Gripping force I.D. gripping



### Dimensions and maximum loads



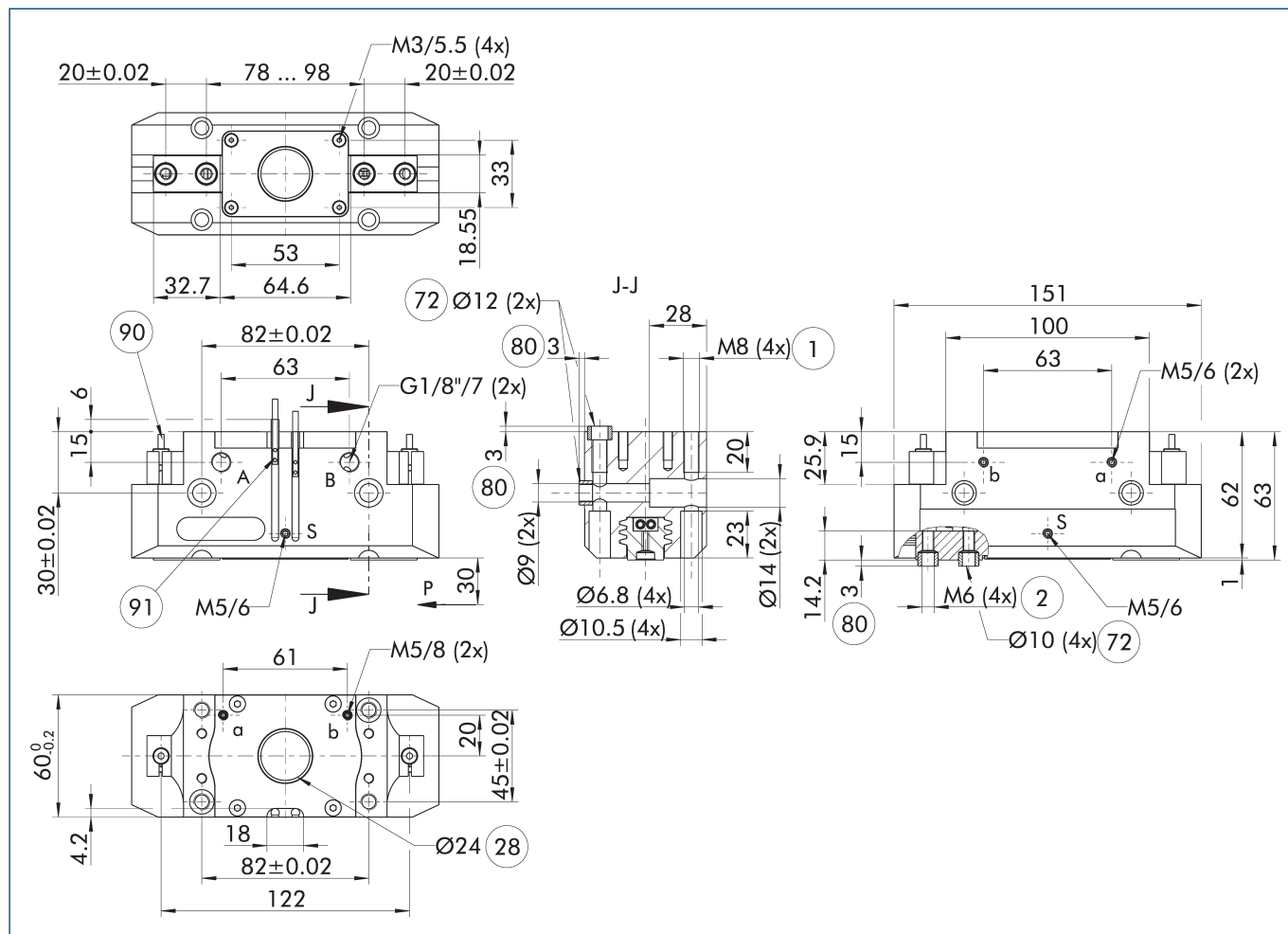
① The indicated moments and forces are static values, apply for each base jaw and may appear simultaneously. Loads may additionally occur to the moment produced by the gripping force itself.

### Technical data

| Description                        |                    | PGB 125       |
|------------------------------------|--------------------|---------------|
| ID                                 |                    | 0300369       |
| Stroke per jaw                     | [mm]               | 10            |
| Closing/opening force              | [N]                | 590/640       |
| Weight                             | [kg]               | 1.32          |
| Recommended workpiece weight       | [kg]               | 3.3           |
| Cylinder volume per double stroke  | [cm <sup>3</sup> ] | 32            |
| Min./nom./max. operating pressure  | [bar]              | 2.5/6/8       |
| Min./max. air purge pressure       | [bar]              | 0.5/1         |
| Closing/opening time               | [s]                | 0.08/0.08     |
| Max. permissible finger length     | [mm]               | 125           |
| Max. permissible weight per finger | [kg]               | 1.1           |
| IP protection class                |                    | 40            |
| Min./max. ambient temperature      | [°C]               | 5/90          |
| Repeat accuracy                    | [mm]               | 0.01          |
| Diameter of center bore            | [mm]               | 24            |
| Dimensions X x Y x Z               | [mm]               | 151 x 60 x 63 |

① It may take a few 100 gripping cycles until the full gripping force (as indicated in the data table) will be available.

### Main view



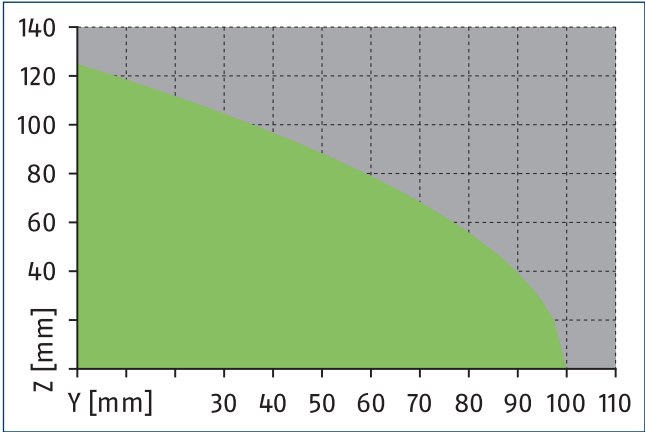
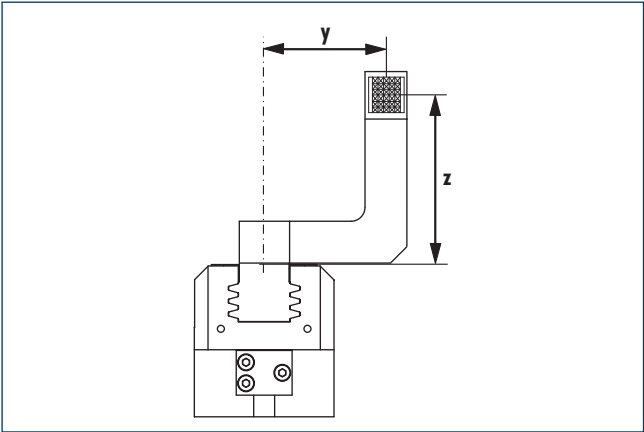
The drawing shows the gripper in the basic version with closed jaws, without dimensional consideration of the options described below.

- ① The SDV-P pressure maintenance valve can be used as a gripping force maintenance device (see catalog section on accessories).

- A, a Main / direct connection, gripper opening
- B, b Main / direct connection, gripper closing
- S Air purge connection
- ① Gripper connection
- ② Finger connection

- ②8 Through-hole
- ⑦2 Fit for centering sleeves
- ⑧0 Depth of the centering sleeve hole in the counter part
- ⑨0 Sensor IN ...
- ⑨1 Sensor MMS 22..

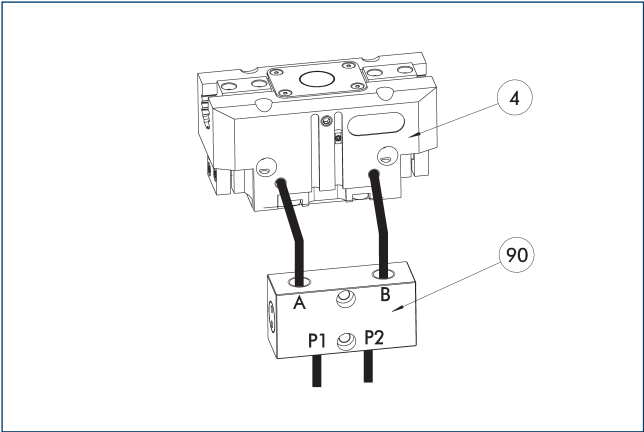
Maximum permitted finger projection



■ Permitted range      ■ Inadmissible range

The curve applies for stroke version 1. For other versions, the curve must be parallelly off-set to the max. permissible finger length.

SDV-P pressure maintenance valve



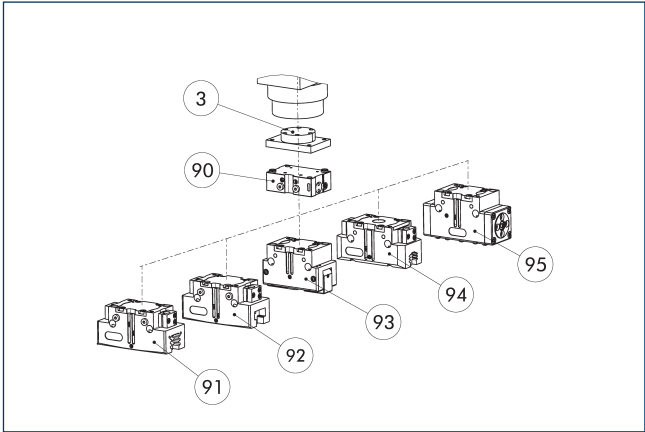
- ④ Grippers
- ⑨⑩ SDV-P pressure maintenance valve

The SDV-P pressure maintenance valve ensures in emergency STOP situations that the pressure in the piston chamber of pneumatic gripper, swivel, linear, and quick-change modules is temporarily maintained.

| Description                                     | ID      | Recommended hose diameter |
|-------------------------------------------------|---------|---------------------------|
|                                                 |         | [mm]                      |
| Pressure maintenance valve                      |         |                           |
| SDV-P 04                                        | 0403130 | 6                         |
| Pressure maintenance valve with air bleed screw |         |                           |
| SDV-P 04-E                                      | 0300120 | 6                         |

① In order to achieve the specified closing and opening time for each gripper variant, the recommended hose diameter must be used. The direct allocation of the respective variant of the gripper for the respective SDV-P can be found at [schunk.com](http://schunk.com).

SDV-P E-P pressure maintenance valve



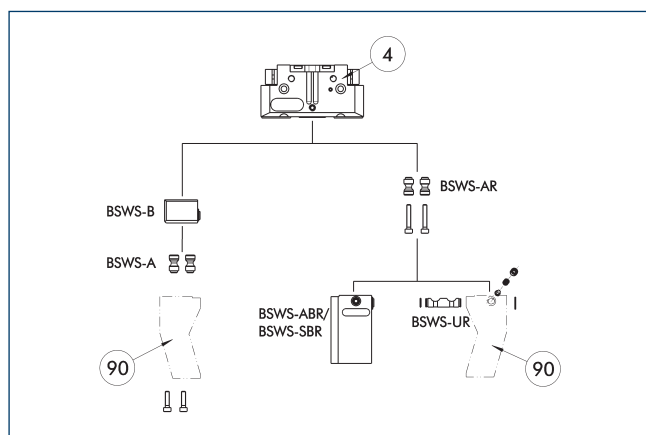
- ③ Adapter
- ⑨⑩ SDV-P E-P pressure maintenance valve
- ⑨① 2-finger parallel gripper PGN-plus/PGN-plus-P
- ⑨② 2-finger parallel gripper JGP-P
- ⑨③ 2-finger angular gripper PWG-plus
- ⑨④ 2-finger parallel gripper PGB
- ⑨⑤ Sealed DPG-plus gripper

The SDV-P E-P pressure maintenance valves ensure that the pressure in the piston chamber is maintained temporarily during an emergency stop. SDV-P E-P can be directly connected to the listed grippers without the need for additional pneumatic hoses.

| Description                | ID      |  |
|----------------------------|---------|--|
| Pressure maintenance valve |         |  |
| SDV-P 125-E-P              | 0300127 |  |



## BSWS jaw quick-change jaw systems



④ Grippers

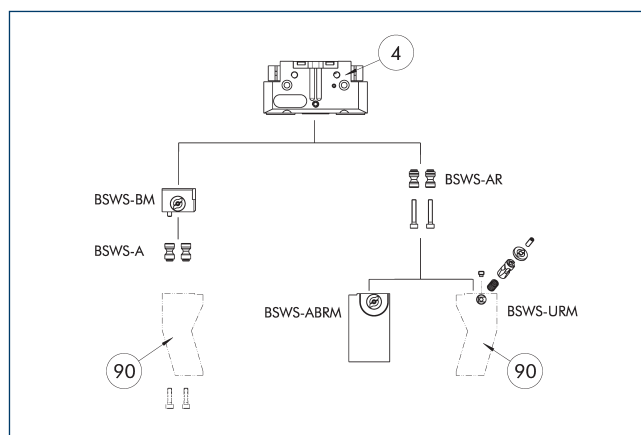
⑨⑩ Customized gripper fingers

There are various jaw quick-change systems available for the gripper. For detailed information, please refer to the corresponding product.

| Description                               | ID      | Scope of delivery |
|-------------------------------------------|---------|-------------------|
| Jaw quick-change system adapter pin       |         |                   |
| BSWS-A 100                                | 0303026 | 2                 |
| BSWS-AR 100                               | 0300094 | 2                 |
| Quick-change jaw system base              |         |                   |
| BSWS-B 100                                | 0303027 | 1                 |
| Jaw quick-change system finger blank      |         |                   |
| BSWS-ABR-PGZN-plus 100                    | 0300074 | 1                 |
| BSWS-SBR-PGZN-plus 100                    | 0300084 | 1                 |
| Jaw quick-change system locking mechanism |         |                   |
| BSWS-UR 100                               | 0302993 | 1                 |

① If the operating pressure is higher than 6 bar, suitability for use beyond the application limits must be checked. Only systems that are listed in the table, can be used.

## Jaw quick-change system BSWS-M



④ Grippers

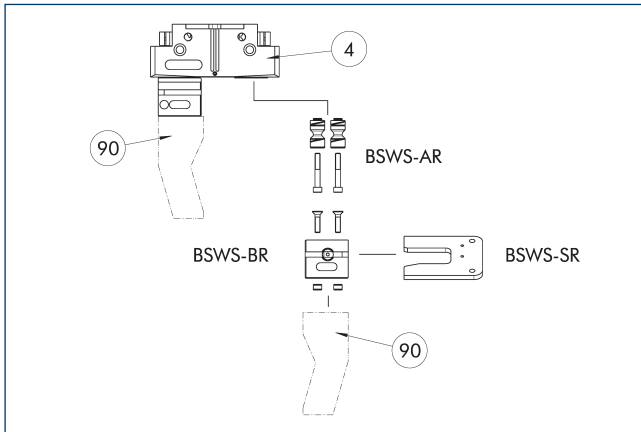
⑨⑩ Customized gripper fingers

There are various jaw quick-change systems available for the gripper. For detailed information, please refer to the corresponding product.

| Description                               | ID      | Scope of delivery |
|-------------------------------------------|---------|-------------------|
| Jaw quick-change system adapter pin       |         |                   |
| BSWS-A 100                                | 0303026 | 2                 |
| BSWS-AR 100                               | 0300094 | 2                 |
| Quick-change jaw system base              |         |                   |
| BSWS-BM 100                               | 1313902 | 1                 |
| Jaw quick-change system finger blank      |         |                   |
| BSWS-ABRM-PGZN-plus 100                   | 1420853 | 1                 |
| Jaw quick-change system locking mechanism |         |                   |
| BSWS-URM 100                              | 1398403 | 1                 |

① If the operating pressure is higher than 6 bar, suitability for use beyond the application limits must be checked. Only systems that are listed in the table, can be used.

## Jaw quick-change system BSWS-R



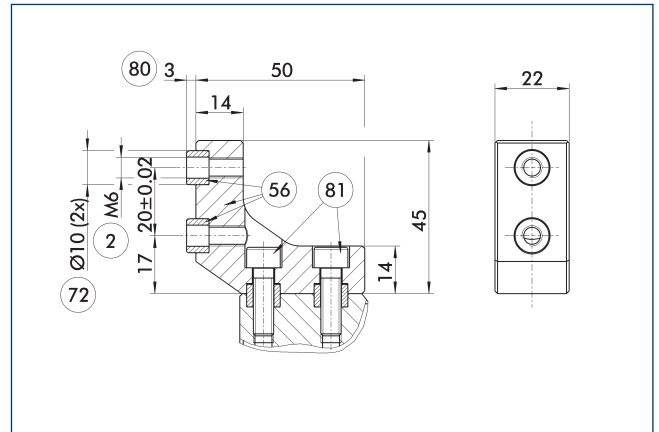
- (4)** Grippers                      **(90)** Customized gripper fingers

There are various jaw quick-change systems available for the gripper. For detailed information, please refer to the corresponding product.

| Description                         | ID      | Scope of delivery |
|-------------------------------------|---------|-------------------|
| Jaw quick-change system adapter pin |         |                   |
| BSWS-AR 100                         | 0300094 | 2                 |
| Quick-change jaw system base        |         |                   |
| BSWS-BR 100                         | 1555933 | 1                 |
| Storage system                      |         |                   |
| BSWS-SR 100                         | 1555959 | 1                 |
| Attachment kit for proximity switch |         |                   |
| AS-IN40-BSWS-SR 80/100              | 1561458 | 1                 |
| Inductive proximity switch          |         |                   |
| IN 40-S-M12                         | 0301574 |                   |
| IN 40-S-M8                          | 0301474 |                   |
| INK 40-S                            | 0301555 |                   |

- ❗ If the operating pressure is higher than 6 bar, suitability for use beyond the application limits must be checked. Only systems that are listed in the table, can be used.

## ZBA-L-plus 100 intermediate jaws

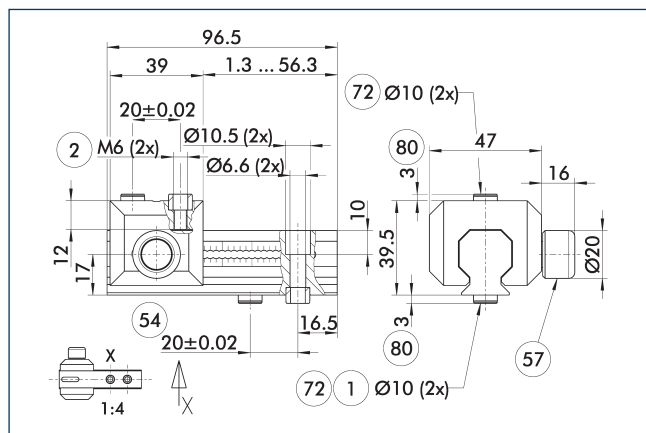


- |                                      |                                                           |
|--------------------------------------|-----------------------------------------------------------|
| ② Finger connection                  | ⑧0 Depth of the centering sleeve hole in the counter part |
| ⑤6 Included in the scope of delivery | ⑧1 Not included in the scope of delivery                  |
| ⑦2 Fit for centering sleeves         |                                                           |

The optional ZBA-L-plus intermediate jaws allow the screw connection diagram of the top jaws to be rotated by 90°. This makes it easier to design and produce top jaws (particularly for long versions) because no deep through-bores are required.

| Description      | ID      | Material | Finger interface | Scope of delivery |
|------------------|---------|----------|------------------|-------------------|
| Intermediate jaw |         |          |                  |                   |
| ZBA-L-plus 100   | 0311742 | Aluminum | PGN-plus 100     | 1                 |

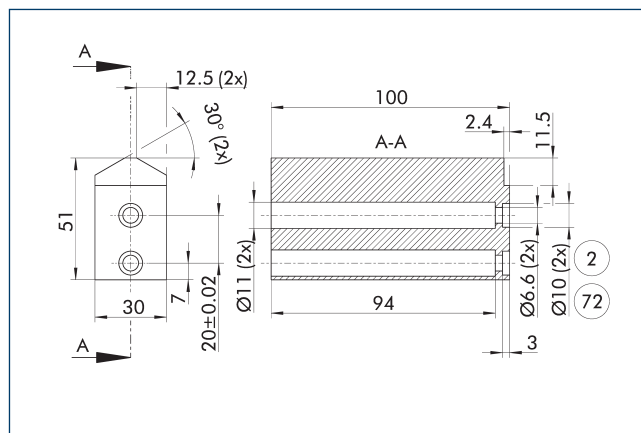
**Finger blanks ABR/SBR-PGZN-plus 100**



- The drawing shows the UZB universal intermediate jaw. The fully removable UZB-S slide (can also be ordered separately) allows for a quick jaw change.

| Description                          | ID      | Grid dimension |
|--------------------------------------|---------|----------------|
|                                      |         | [mm]           |
| Universal intermediate jaw           |         |                |
| UZH 100                              | 0300044 | 2.5            |
| Finger blank                         |         |                |
| ABR-PGZN-plus 100                    | 0300012 |                |
| SBR-PGZN-plus 100                    | 0300022 |                |
| Slide for universal intermediate jaw |         |                |
| UZH-S 100                            | 5518272 | 2.5            |

- ❶ If the operating pressure is higher than 6 bar, suitability for use beyond the application limits must be checked.



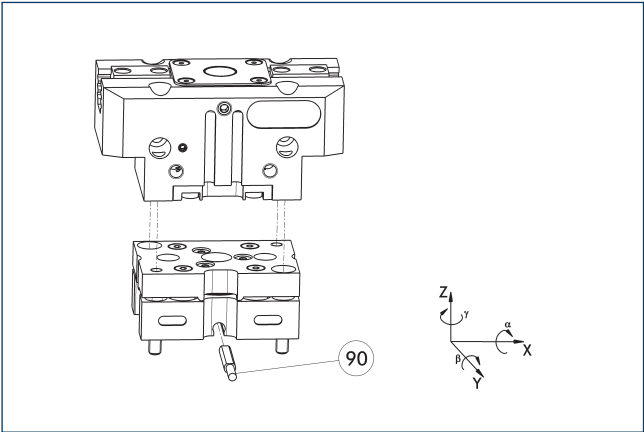
- (72) Fit for centering sleeves

The drawing shows the finger blank which can be reworked by the customer.

| Description       | ID      | Material          | Scope of delivery |
|-------------------|---------|-------------------|-------------------|
| Finger blank      |         |                   |                   |
| ABR-PGZN-plus 100 | 0300012 | Aluminum (3.4365) | 1                 |
| SBR-PGZN-plus 100 | 0300022 | Steel (1.7131)    | 1                 |

- ① When finger blanks are used, the closing stroke of individual gripper series may be limited. Please check this in detail in advance using the CAD data and adjust the reworking of the fingers accordingly.

Tolerance compensation unit TCU

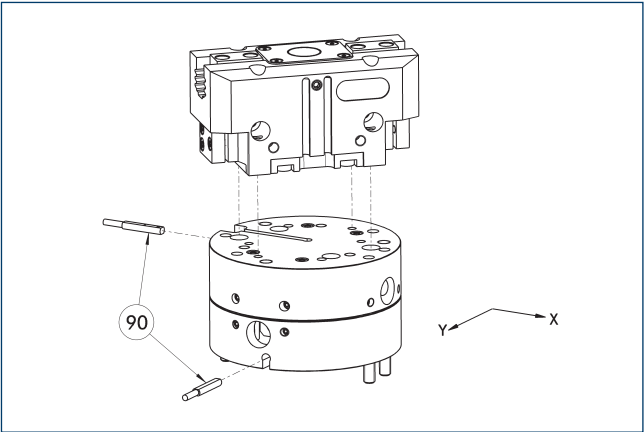


90 Monitoring of locking

Grippers can be directly mounted without an adapter plate. Tolerance compensation unit and gripper have an identical screw connection diagram. Therefore the tolerance compensation units can be assembled later. Please consider the additional assembly height of the tolerance compensation unit. For details please refer to our catalog robot accessories.

| Description       | ID      | Locking | Deflection                                | Often combined |
|-------------------|---------|---------|-------------------------------------------|----------------|
| Compensation unit |         |         |                                           |                |
| TCU-P-125-3-MV    | 0324828 | yes     | $\pm 1^\circ/\pm 1,5^\circ/\pm 1,5^\circ$ | ●              |
| TCU-P-125-3-OV    | 0324829 | no      | $\pm 1^\circ/\pm 1,5^\circ/\pm 1,5^\circ$ |                |

Compensation unit AGE-F

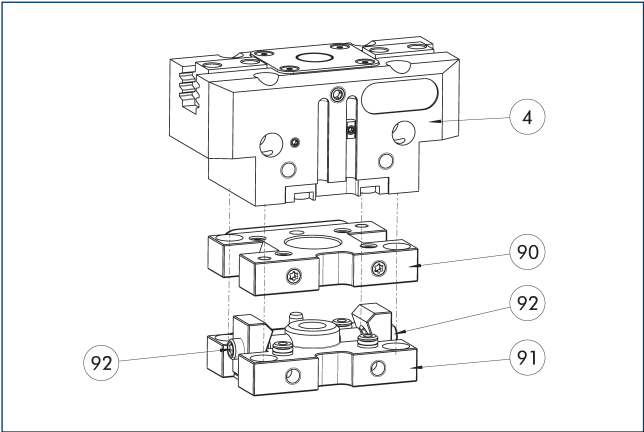


90 Monitoring

Grippers can be directly mounted without an adapter plate. For details see our catalog Gripping or Robot Accessories.

| Description       | ID      | Compensation XY | Reset force | Often combined |
|-------------------|---------|-----------------|-------------|----------------|
|                   |         | [mm]            | [N]         |                |
| Compensation unit |         |                 |             |                |
| AGE-F-XY-080-1    | 0324960 | $\pm 5$         | 39          |                |
| AGE-F-XY-080-2    | 0324961 | $\pm 5$         | 85          |                |
| AGE-F-XY-080-3    | 0324962 | $\pm 5$         | 90          | ●              |

Compact change system for grippers

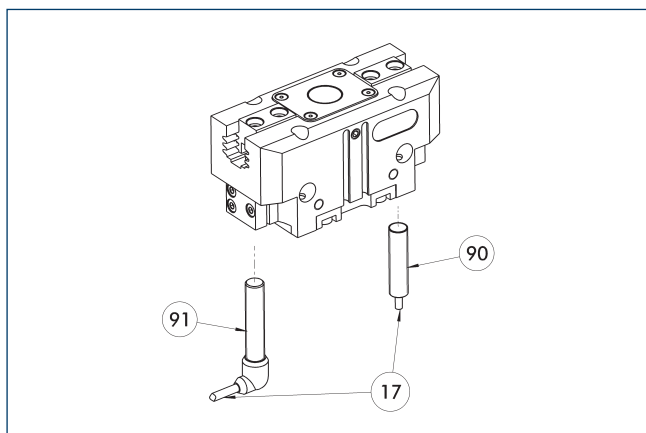


- 4 Grippers
- 90 CWA compact change adapter
- 91 CWK compact change master
- 92 Locking mechanism

Grippers can be directly mounted without an adapter plate. For details see our catalog Gripping or Robot Accessories.

| Description                | ID      |  |
|----------------------------|---------|--|
| CWA compact change adapter |         |  |
| CWA-125-P                  | 0305826 |  |
| CWK compact change master  |         |  |
| CWK-125-P                  | 0305825 |  |

## Inductive proximity switches



17 Cable outlet

91 Sensor IN..-SA

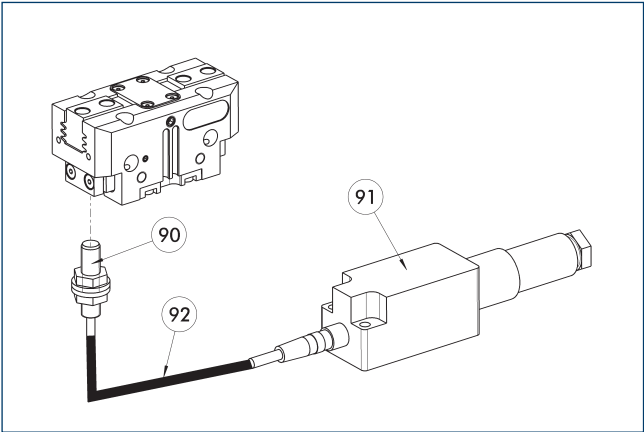
90 Sensor IN ...

Directly mounted end position monitoring.

| Description                                          | ID       | Often combined |
|------------------------------------------------------|----------|----------------|
| Inductive proximity switch                           |          |                |
| IN 80-S-M12                                          | 0301578  |                |
| IN 80-S-M8                                           | 0301478  | ●              |
| INK 80-S                                             | 0301550  |                |
| Inductive proximity switch with lateral cable outlet |          |                |
| IN 80-S-M12-SA                                       | 0301587  |                |
| IN 80-S-M8-SA                                        | 0301483  | ●              |
| INK 80-S-SA                                          | 0301566  |                |
| Connection cables                                    |          |                |
| KA BG08-L 3P-0300-PNP                                | 0301622  | ●              |
| KA BG08-L 3P-0500-PNP                                | 0301623  |                |
| KA BG12-L 3P-0500-PNP                                | 30016369 |                |
| KA BW08-L 3P-0300-PNP                                | 0301594  |                |
| KA BW08-L 3P-0500-PNP                                | 0301502  |                |
| KA BW12-L 3P-0300-PNP                                | 0301503  |                |
| KA BW12-L 3P-0500-PNP                                | 0301507  |                |
| Clip for connector/socket                            |          |                |
| CLI-M12                                              | 0301464  |                |
| CLI-M8                                               | 0301463  |                |
| Cable extension                                      |          |                |
| KV BG12-SG12 3P-0030-PNP                             | 0301999  |                |
| KV BG12-SG12 3P-0060-PNP                             | 0301998  |                |
| KV BW08-SG08 3P-0030-PNP                             | 0301495  |                |
| KV BW08-SG08 3P-0100-PNP                             | 0301496  |                |
| KV BW08-SG08 3P-0200-PNP                             | 0301497  | ●              |
| KV BW12-SG12 3P-0030-PNP                             | 0301595  |                |
| KV BW12-SG12 3P-0100-PNP                             | 0301596  |                |
| KV BW12-SG12 3P-0200-PNP                             | 0301597  |                |
| Sensor distributor                                   |          |                |
| V2-M12                                               | 0301776  | ●              |
| V2-M8                                                | 0301775  | ●              |
| V4-M8                                                | 0301746  |                |
| V8-M8                                                | 0301751  |                |

- ① Two sensors are required per unit for monitoring two positions. On option, extension cables and sensor distributors are available. Additional product variants of the sensor, and further information and technical data can be found in the catalog chapter sensor system.

Flexible position sensor



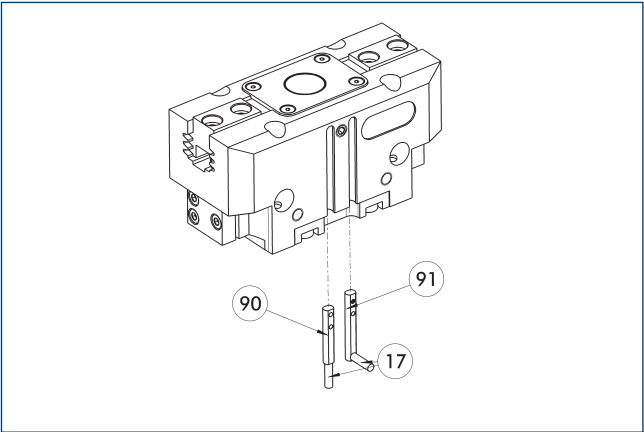
- 90 FPS-S sensor  
91 FPS-F5 evaluation electronic  
92 Cable extension

Flexible position monitoring of up to five positions.

| Description            | ID      |  |
|------------------------|---------|--|
| Attachment kit for FPS |         |  |
| AS-FPS-PGZN-plus 100-1 | 0301634 |  |
| Sensor                 |         |  |
| FPS-S M8               | 0301704 |  |
| Evaluation electronics |         |  |
| FPS-F5                 | 0301805 |  |
| Cable extension        |         |  |
| KV BG08-SG08 3P-0050   | 0301598 |  |
| KV BG08-SG08 3P-0100   | 0301599 |  |

- ① When using an FPS system, an FPS sensor (FPS-S) as well as an electronic processor (FPS-F5 / F5 T) are required for each gripper as well as a mounting kit (AS), if listed. Cable extensions (KV) are optionally available – see catalog chapter “Accessories.”

Electronic magnetic switch MMS



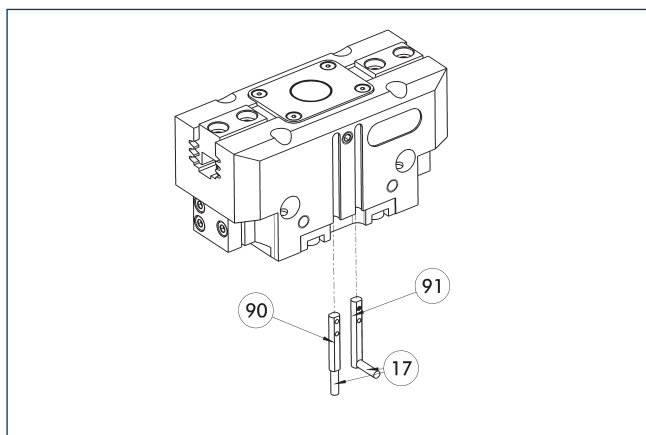
- 17 Cable outlet  
90 Sensor MMS 22..  
91 Sensor MMS 22...-SA

End position monitoring for mounting in the C-slot.

| Description                                            | ID      | Often combined |
|--------------------------------------------------------|---------|----------------|
| Electronic magnetic switch                             |         |                |
| MMS 22-S-M8-PNP                                        | 0301032 | ●              |
| MMSK 22-S-PNP                                          | 0301034 |                |
| Electronic magnetic switches with lateral cable outlet |         |                |
| MMS 22-S-M8-PNP-SA                                     | 0301042 | ●              |
| MMSK 22-S-PNP-SA                                       | 0301044 |                |
| Connection cables                                      |         |                |
| KA BG08-L 3P-0300-PNP                                  | 0301622 | ●              |
| KA BG08-L 3P-0500-PNP                                  | 0301623 |                |
| KA BW08-L 3P-0300-PNP                                  | 0301594 |                |
| KA BW08-L 3P-0500-PNP                                  | 0301502 |                |
| Clip for connector/socket                              |         |                |
| CLI-M8                                                 | 0301463 |                |
| Cable extension                                        |         |                |
| KV BW08-SG08 3P-0030-PNP                               | 0301495 |                |
| KV BW08-SG08 3P-0100-PNP                               | 0301496 |                |
| KV BW08-SG08 3P-0200-PNP                               | 0301497 | ●              |
| Sensor distributor                                     |         |                |
| V2-M8                                                  | 0301775 | ●              |
| V4-M8                                                  | 0301746 |                |
| V8-M8                                                  | 0301751 |                |

- ① Two sensors are required per unit for monitoring two positions. On option, extension cables and sensor distributors are available. Additional product variants of the sensor, and further information and technical data can be found in the catalog chapter sensor system.

### Programmable magnetic switch MMS 22-PI1



17 Cable outlet

91 Sensor MMS 22 ...-PI1-...-SA

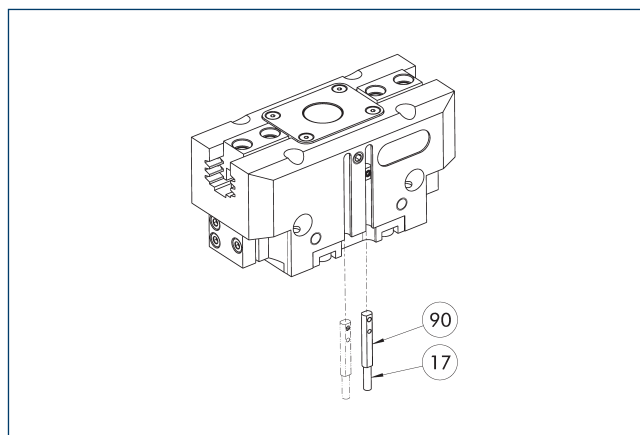
90 Sensor MMS 22 PI1-...

Position monitoring with one programmable position per sensor and integrated electronic system in the sensor. Can be programmed using MT magnetic teaching tool (included in the scope of delivery, ID 0301030) or ST plug teaching tool (optional). End position monitoring for mounting in the C-slot. If the ST plug teaching tools are listed in the table provided, teaching is only possible with the ST teaching tools.

| Description                                                      | ID      | Often combined |
|------------------------------------------------------------------|---------|----------------|
| <b>Programmable magnetic switch</b>                              |         |                |
| MMS 22-PI1-S-M8-PNP                                              | 0301160 | ●              |
| MMSK 22-PI1-S-PNP                                                | 0301162 |                |
| <b>Programmable magnetic switch with lateral cable outlet</b>    |         |                |
| MMS 22-PI1-S-M8-PNP-SA                                           | 0301166 | ●              |
| MMSK 22-PI1-S-PNP-SA                                             | 0301168 |                |
| <b>Programmable magnetic switch with stainless steel housing</b> |         |                |
| MMS 22-PI1-S-M8-PNP-HD                                           | 0301110 | ●              |
| MMSK 22-PI1-S-PNP-HD                                             | 0301112 |                |

- ① Two sensors are required per unit for monitoring two positions. On option, extension cables and sensor distributors are available. Additional product variants of the sensor, and further information and technical data can be found in the catalog chapter sensor system.

### Programmable magnetic switch MMS 22-PI2



17 Cable outlet

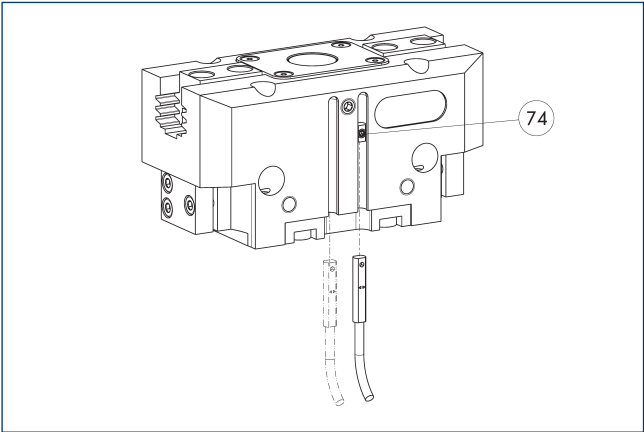
90 MMS 22...-PI2-... sensor

Position monitoring with two programmable positions per sensor and electronics integrated in the sensor. Can be programmed using MT magnetic teaching tool (included in the scope of delivery, ID 0301030) or ST plug teaching tool (optional). End position monitoring for mounting in the C-slot. If the ST plug teaching tools are listed in the table provided, teaching is only possible with the ST teaching tools.

| Description                                                      | ID      | Often combined |
|------------------------------------------------------------------|---------|----------------|
| <b>Programmable magnetic switch</b>                              |         |                |
| MMS 22-PI2-S-M8-PNP                                              | 0301180 | ●              |
| MMSK 22-PI2-S-PNP                                                | 0301182 |                |
| <b>Programmable magnetic switch with lateral cable outlet</b>    |         |                |
| MMS 22-PI2-S-M8-PNP-SA                                           | 0301186 | ●              |
| MMSK 22-PI2-S-PNP-SA                                             | 0301188 |                |
| <b>Programmable magnetic switch with stainless steel housing</b> |         |                |
| MMS 22-PI2-S-M8-PNP-HD                                           | 0301130 | ●              |
| MMSK 22-PI2-S-PNP-HD                                             | 0301132 |                |

- ① One sensor is required per unit for monitoring two positions. Extension cables and sensor distributors are optionally available. Additional product variants of the sensor, and further information and technical data can be found in the catalog chapter sensor systems.

MMS-P programmable magnetic switch



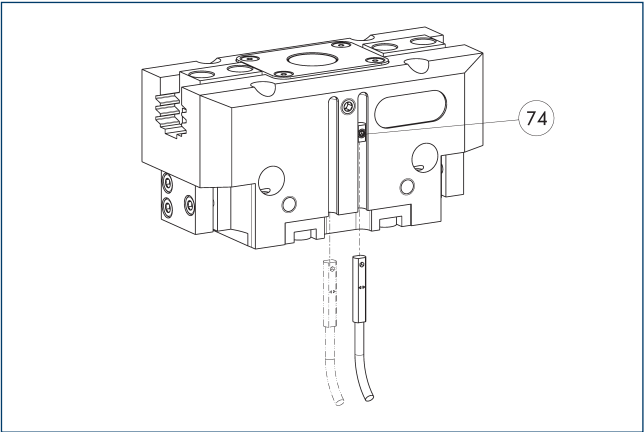
74 Limit stop for sensor

Position monitoring with two programmable positions per sensor. End position monitoring for mounting in the C-slot.

| Description                  | ID      | Often combined |
|------------------------------|---------|----------------|
| Programmable magnetic switch |         |                |
| MMSK-P 22-S-PNP              | 0301371 |                |
| MMS-P 22-S-M8-PNP            | 0301370 | ●              |
| Connection cables            |         |                |
| KA GLN0804-LK-00500-A        | 0307767 | ●              |
| KA GLN0804-LK-01000-A        | 0307768 |                |
| KA WLN0804-LK-00500-A        | 0307765 |                |
| KA WLN0804-LK-01000-A        | 0307766 |                |
| Clip for connector/socket    |         |                |
| CLI-M8                       | 0301463 |                |
| Sensor distributor           |         |                |
| V2-M8-4P-2XM8-3P             | 0301380 |                |

- ① One sensor is required per unit for monitoring two positions. Extension cables and sensor distributors are optionally available. Additional product variants of the sensor, and further information and technical data can be found in the catalog chapter sensor systems.

Programmable magnetic switch MMS-IO-Link



74 Limit stop for sensor

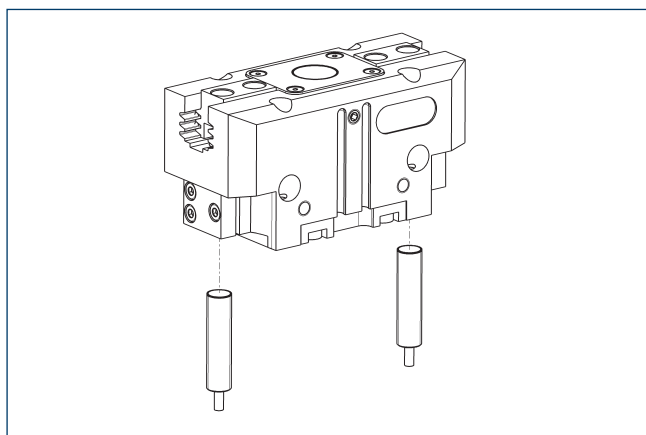
Sensor for multi-position monitoring through detection of the complete gripper stroke. The sensor is mounted directly in the C-slot of the gripper. The sensor is programmed for the gripper via the IO-Link interface, Magnet teaching tool MT (included in scope of delivery; ID 0301030) or the ST plug teaching tool (not included in scope of delivery; ID 0301026). An IO-Link master is required for operation.

| Description                  | ID      |  |
|------------------------------|---------|--|
| Programmable magnetic switch |         |  |
| MMS 22-IOL-M08               | 0315830 |  |
| MMS 22-IOL-M12               | 0315835 |  |

- ① One sensor is required for each gripper. No additional mounting kit is required – the gripper is equipped for use of the sensor by default. Further information and technical data can be found in the catalog chapter sensor systems.



## Cylindrical reed switches



End position monitoring can be mounted with an attachment kit.

| Description                         | ID      |  |
|-------------------------------------|---------|--|
| Attachment kit for proximity switch |         |  |
| AS-RMS 80 PGN/PZN-plus 100/125      | 0377726 |  |
| Reed Switches                       |         |  |
| RMS 80-S-M8                         | 0377721 |  |

- ① Two sensors (closer/S) are required for each unit and extension cables are available as an option. This attachment kit needs to be ordered optionally as an accessory. Two mounting kits are required for each gripper. For sensor cables, note the minimum permissible bending radii. These are generally 35 mm.



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