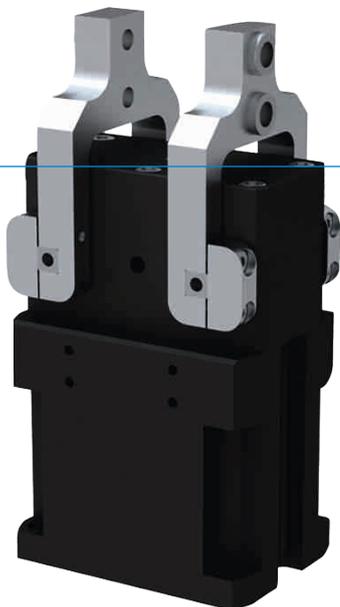


# 2-JAW RADIAL GRIPPER

## SERIES GG4000

### ▶ PRODUCT ADVANTAGES



#### “The sealed”

##### ▶ Suitable for use under extreme conditions

The sealed rotation axis guarantees process reliability even under the harshest conditions

##### ▶ Smooth stroke configuration

You can adjust the 180° opening angle to be unique to your application using an adjusting screw

##### ▶ Failure-free continuous operation

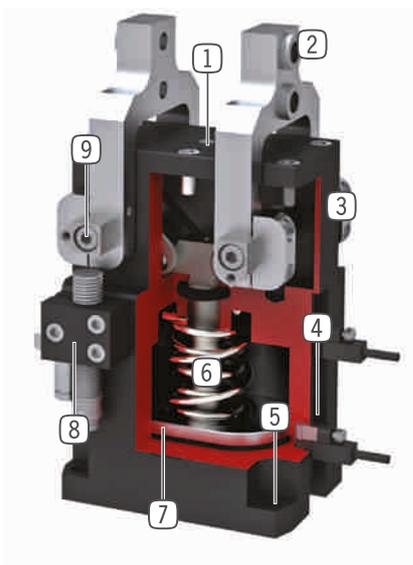
Our uncompromising “Made in Germany” quality guarantees up to 10 million maintenance-free cycles

### ▶ SERIES CHARACTERISTICS

| Installation size   | Version |    |
|---|---------|----|
|   | NC      | SC |
| <b>GG40XX</b>   |         |    |
|  Spring closing C                          | ●       | ●  |
|  High-strength S                           |         | ●  |
|  10 million maintenance-free cycles (max.) | ●       | ●  |
|  Inductive sensor                          | ●       | ●  |
|  Magnetic field sensor                     | ●       | ●  |
|  Purged air                                | ●       | ●  |
|  IP64                                      | ●       | ●  |



## ► BENEFITS IN DETAIL



- ① **Stroke adjustment screw**
  - Infinitely adjustable opening stroke
- ② **Removable centering sleeves**
  - individual gripper finger mounting
- ③ **Robust, lightweight housing**
  - Hard-coated aluminum alloy
- ④ **Sensing slot**
  - mounting and positioning of magnetic field sensors
- ⑤ **Mounting and positioning**
  - mounting possible from several sides for versatile positioning
- ⑥ **Integrated gripping force safety device**
  - spring integrated into cylinder as energy storage
- ⑦ **Position sensing**
  - permanent magnet for direct monitoring of piston movement
- ⑧ **Mounting block**
  - mounting for inductive proximity switch
- ⑨ **Sealed rotation point**
  - for use under extreme conditions

## ► TECHNICAL DATA

| Installation size | Stroke per jaw<br>[°] | Gripping force<br>[N] | Weight<br>[kg] | IP class |
|-------------------|-----------------------|-----------------------|----------------|----------|
| GG4032            | 20 - 90               | 430 - 460             | 0,25           | IP64     |
| GG4040            | 20 - 90               | 700 - 800             | 0,5            | IP64     |
| GG4049            | 20 - 90               | 1000 - 1150           | 0,85           | IP64     |
| GG4058            | 20 - 90               | 1650 - 1900           | 1,4            | IP64     |
| GG4072            | 20 - 90               | 1950 - 2700           | 2,45           | IP64     |
| GG4084            | 20 - 90               | 3500 - 4000           | 4,5            | IP64     |

## ► FURTHER INFORMATION IS AVAILABLE ONLINE



All information just a click away at: [www.zimmer-group.com](http://www.zimmer-group.com). Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.

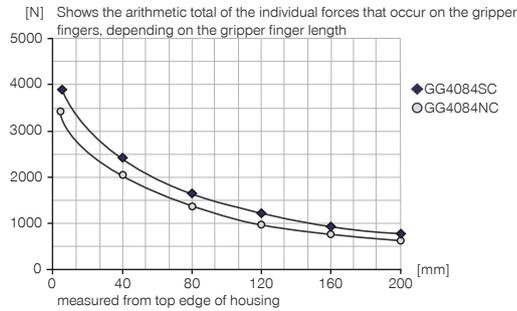
# 2-JAW RADIAL GRIPPER

## INSTALLATION SIZE GG4084

### ▶ PRODUCT SPECIFICATIONS



#### ▶ Gripping force diagram



#### ▶ Forces and moments

Displays static forces and moments that can also have an effect, besides the gripping force.



|         |      |
|---------|------|
| Mr [Nm] | 60   |
| My [Nm] | 60   |
| Fa [N]  | 1800 |

### ▶ INCLUDED IN DELIVERY

|  |   |  |   |
|--|---|--|---|
|  | 1 [piece]<br>Centering Disc<br><b>DST43000</b>  |  | 1 [piece]<br>Stroke adjustment screw<br><b>HES0019</b>  |
|  | 2 [piece]<br>Flow Control Valves - with Swivel joint<br><b>DRV1-8X8</b><br>compatible with GG4084NC |  | 2 [piece]<br>Flow Control Valves - with Swivel joint<br><b>CPNEU00876</b><br>compatible with GG4084SC |

### ▶ RECOMMENDED ACCESSORIES

#### ENERGY SUPPLY

|  |  |
|--|--|
|  | <b>GV1-8X8</b><br>Straight Fittings - Quick Connect Style  |
|  | <b>DSV1-8</b><br>Pressure safety valve                     |
|  | <b>DSV1-8E</b><br>Pressure safety valve with quick exhaust |

#### SENSORS

|  |   |  |
|--|---|--|
|  | <b>MFS02-S-KHC-P1-PNP</b><br>Magnetic field sensor straight, cable 0.3 m - M8 connector |  |
|  | <b>MFS01-S-KHC-P2-PNP</b><br>2-point sensor angled, cable 0.3 m - M8 connector          |  |
|  | <b>MFS02-S-KHC-P2-PNP</b><br>2-point sensor straight, cable 0.3 m - M8 connector        |  |

#### SENSORS

|  |   |  |
|--|---|--|
|  | <b>KB8-49</b><br>Mounting block   |  |
|  | <b>NJ8-E2S</b><br>Inductive proximity switch - Connector M8                           |  |
|  | <b>MFS01-S-KHC-P1-PNP</b><br>Magnetic field sensor angled, cable 0.3 m - M8 connector |  |

#### CONNECTIONS / OTHER

|  |   |  |
|--|---|--|
|  | <b>KAG500</b><br>Plug-in connector Straight Cable 5m - Socket M8 (female) |  |
|  | <b>KAW500</b><br>Plug-in connector Angled Cable 5m - Socket M8 (female)   |  |
|  | <b>S8-G-3</b><br>Plug-in connector customizable Straight - Connector M8   |  |

