

# 2-JAW ANGULAR GRIPPERS

## SERIES GG1000

### ▶ PRODUCT ADVANTAGES



#### “The strong”

##### ▶ High gripping force

Using the high gripping force, you can safely handle even the heaviest workpieces

##### ▶ High moment load

The generously scaled angular gear box provides the highest possible durability for your application

##### ▶ Failure-free continuous operation

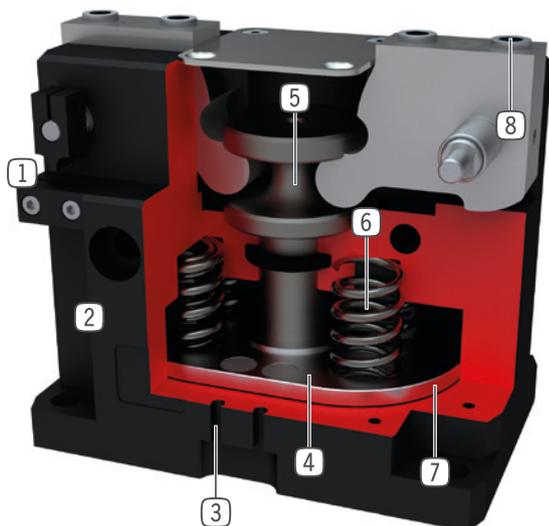
Our uncompromising “Made in Germany” quality guarantees up to 10 million maintenance-free cycles

### ▶ SERIES CHARACTERISTICS

Installation size	Version	
	NC	FNC
GG1XXX		
 Gripper jaws with mounting possibility on the side		•
 Spring closing C	•	•
 10 million maintenance-free cycles (max.)	•	•
 Inductive sensor	•	•
 Magnetic field sensor	•	•
 Purged air	•	•
 IP40	•	•



## ► BENEFITS IN DETAIL



- ① **Cam-switch and mounting block**
  - for position sensing
- ② **Robust, lightweight housing**
  - Hard-coated aluminum alloy
- ③ **Sensing slot**
  - groove for positioning of the magnetic field sensor
- ④ **Permanent magnet**
  - sensing of the piston setting position via magnetic field sensors
- ⑤ **Positively driven lever mechanism**
  - synchronized the movement of the gripper jaws
- ⑥ **Integrated gripping force safety device**
  - spring integrated into cylinder as energy storage
- ⑦ **Drive**
  - double-acting pneumatic cylinder
- ⑧ **Removable centering sleeves**
  - quick and economical positioning of the gripper fingers

## ► TECHNICAL DATA

Installation size	Stroke [°]	Gripping force [N]	Weight [kg]	IP class
GG1065	20	2910 - 4160	1,3 - 1,4	IP40
GG1085	20	7120 - 9670	2,8 - 3,2	IP40
GG1110	20	18665 - 23240	6,3 - 6,7	IP40
GG1140	20	29110 - 36470	12,4 - 13	IP40

## ► 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.

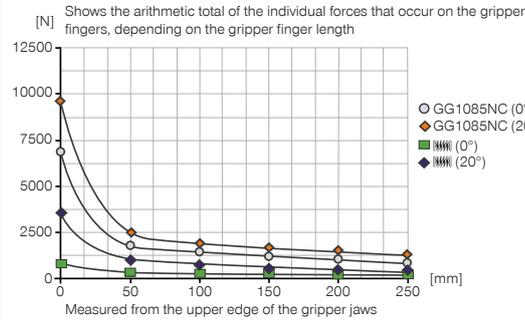
# 2-JAW ANGULAR GRIPPERS

## INSTALLATION SIZE GG1085

### ▶ 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]	40
My [Nm]	50
Fa [N]	600

### ▶ INCLUDED IN DELIVERY



4 [piece]  
Centering Disc  
DST41000

### ▶ RECOMMENDED ACCESSORIES



#### ENERGY SUPPLY



**GV1-8X8**  
Straight Fittings - Quick Connect Style



#### SENSORS



**MFS01-S-KHC-P2-PNP**  
2-point sensor angled, cable 0.3 m - M8 connector



#### SENSORS



**MFS02-S-KHC-P2-PNP**  
2-point sensor straight, cable 0.3 m - M8 connector



**KB8-43**  
Mounting block



#### CONNECTIONS / OTHER



**KHA1085-8**  
Alternate proximity bracket



**HES0006**  
Stroke adjustment screw



**NJ8-E2S**  
Inductive proximity switch, M8



**KAG500**  
Plug-in connector Straight Cable 5m - Socket M8 (female)



**MFS01-S-KHC-P1-PNP**  
Magnetic field sensor angled, cable 0.3 m - M8 connector



**KAW500**  
Plug-in connector Angled Cable 5m - Socket M8 (female)



**MFS02-S-KHC-P1-PNP**  
Magnetic field sensor straight, cable 0.3 m - M8 connector



