

2-JAW ANGULAR GRIPPERS

SERIES GZ1000

► PRODUCT ADVANTAGES



“The top of the line”

► Unique quality meets functionality

This is one of the best angular grippers on the market, enabling you to make your application more cost-effective and functional







► Variable attachment

Decide for yourself whether you want use screws, lock-nuts or a toolkit clamping system for fastening

► Sensing with process reliability

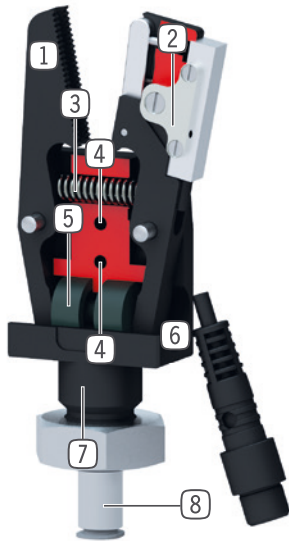
Unlike many other established products on the market, you can even differentiate between “Component present” and “Component not present”

► SERIES CHARACTERISTICS

Installation size	Version		
GZ10XX	-01	-02	-03
 Saw tooth jaw without query	•		
 Saw tooth jaw with query		•	
 Version for attaching customer-specific gripper fingers			•
 2 million maintenance-free cycles (max.)	•	•	•
 Inductive sensor		•	
 IP30	•	•	•



► BENEFITS IN DETAIL



- ① **Gripper jaw**
 - available in different versions
- ② **Position sensing**
 - Via inductive proximity switch
- ③ **Return spring**
 - to open the gripper jaws
- ④ **Mounting and positioning**
 - via thread / through-hole
- ⑤ **Drive**
 - single-acting pneumatic cylinder
- ⑥ **Housing**
 - hard coated surface for increased durability
- ⑦ **Mounting and positioning**
 - via fit, thread and lock nut
- ⑧ **Energy supply**

► TECHNICAL DATA

Installation size	Stroke	Gripping force	Weight	IP class
	[°]	[N]	[kg]	
GZ1020	8	62	0,015 - 0,03	IP30
GZ1030	11	130	0,046 - 0,063	IP30
GZ1040	10	315	0,105 - 0,125	IP30

► FURTHER INFORMATION IS AVAILABLE ONLINE



All information just a click away at: 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.

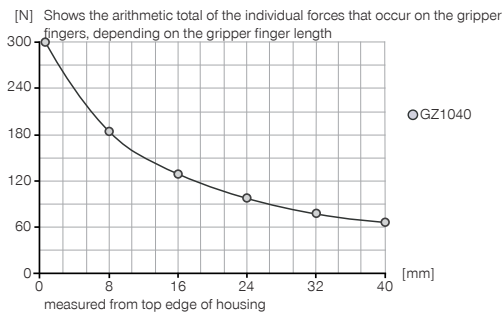
2-JAW ANGULAR GRIPPERS

INSTALLATION SIZE GZ1040

PRODUCT SPECIFICATIONS

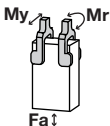


Gripping force diagram



Forces and moments

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



Mr [Nm]	2.5
My [Nm]	2
Fa [N]	200

INCLUDED IN DELIVERY



1 [piece]
Locking nut
C093620159

RECOMMENDED ACCESSORIES



ENERGY SUPPLY



GV1-8X8
Straight Fittings - Quick Connect Style



CONNECTIONS / OTHER



S8-G-3
Plug-in connector customizable Straight - Connector M8



CONNECTIONS / OTHER



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



S12-G-3
Plug-in connector customizable Straight - Connector M12



Order no.	► Technical data		
	GZ1040-01	GZ1040-02	GZ1040-03
Stroke per jaw [°]	10	10	10
Gripper finger with integrated sensor	No	Yes	No
Gripping force in closing [N]	315	315	315
Closing moment [Nm]	4.4	4.4	4.4
Closing time [s]	0.02	0.02	0.02
Opening time [s]	0.04	0.04	0.04
Operating pressure min. [bar]	2	2	2
Operating pressure max. [bar]	6	6	6
Nominal operating pressure [bar]	6	6	6
Operating temperature min. [°C]	5	5	5
Operating temperature max. [°C]	+80	+80	+80
Air volume per cycle [cm³]	2	2	2
Protection to IEC 60529	IP30	IP30	IP30
Weight [kg]	0.15	0.17	0.14

