

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

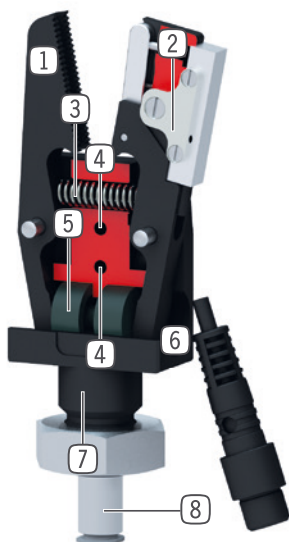
Unlike many other established products on the market, you can even differentiate between “Component present” and “Component not present”

▶ SERIES CHARACTERISTICS

Installation size	Version		
	GZ10XX	-01	-02
 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

	Stroke	Gripping force	Weight	IP class
Installation size	[°]	[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

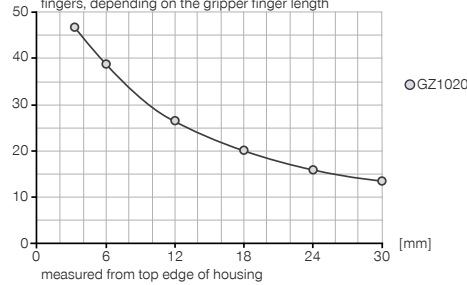
INSTALLATION SIZE GZ1020

▶ PRODUCT SPECIFICATIONS



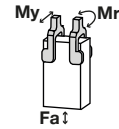
▶ Gripping force diagram

[N] Shows the arithmetic total of the individual forces that occur on the gripper fingers, depending on the gripper finger length



▶ Forces and moments

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



Mr [Nm]	1
My [Nm]	0.6
Fa [N]	60

▶ INCLUDED IN DELIVERY



1 [piece]
Locking nut
C093610009

▶ RECOMMENDED ACCESSORIES



ENERGY SUPPLY



GVM5
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		
	GZ1020-01	GZ1020-02	GZ1020-03
Stroke per jaw [°]	8	8	8
Gripper finger with integrated sensor	No	Yes	No
Gripping force in closing [N]	62	62	62
Closing moment [Nm]	0.5	0.5	0.5
Closing time [s]	0.01	0.01	0.01
Opening time [s]	0.02	0.02	0.02
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 [cm ³]	0.25	0.25	0.25
Protection to IEC 60529	IP30	IP30	IP30
Weight [kg]	0.026	0.048	0.024

