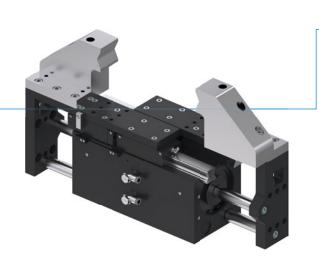
2-JAW PARALLEL GRIPPERS WITH LONG STROKE **SERIES GH7000**

PRODUCT ADVANTAGES



"The strong"

High gripping force

The high gripping force allows you to handle the heaviest workpieces in your application reliably

High moment load

The heavy-duty linear guide provides the highest possible durability for your application

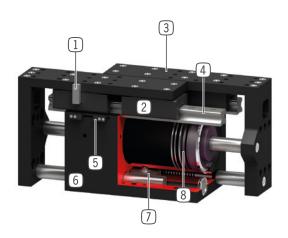
► Failure-free continuous operation

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

SERIES CHARACTERISTICS Installation size **GH7XXXX** 10 million maintenance-free cycles (max.) Inductive sensor IP64



BENEFITS IN DETAIL



- 1 Switch cam
 - for position sensing
- 2 Carriage with wiper
 - for use under extreme conditions
- 3 Gripper jaw
 - individual gripper finger mounting
- 4 Precise linear guide
 - ideal for highest transverse forces and loads
 - double secured against twisting
- (5) Mounting block adjustable
 - direct sensing of the gripper jaw position
- 6 Robust, lightweight housing
 - Hard-coated aluminum alloy
- 7 Synchronization
 - via rack and pinion
- 8 Drive
 - two double-acting pneumatic cylinders

► TECHNICAL DATA

	Stroke per jaw	Gripping force	Weight	IP class
Installation size	[mm]	[N]	[kg]	
GH7665	65	8000 - 8500	33	IP64
GH76100	100	8000 - 8500	37	IP64

► FURTHER INFORMATION IS AVAILABLE ONLINE



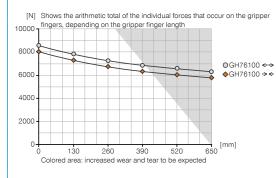
All information just a click away at: www.zimmer-group.com. Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.

2-JAW PARALLEL GRIPPERS WITH LONG STROKE **INSTALLATION SIZE GH76100**

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]	2000
Mx [Nm]	2000
My [Nm]	1500
Fa [N]	40000

► INCLUDED IN DELIVERY



2 [piece] Mounting block KB8-28



2 [piece] Flow Control Valves - with Swivel joint DRV1-4X8

RECOMMENDED ACCESSORIES



ENERGY SUPPLY



DSV1-4 Pressure safety valve



CONNECTIONS / OTHER



KAG500 Plug-in connector Straight Cable 5m - Socket M8

(female)



DSV1-4E

Pressure safety valve with quick exhaust



KAW500

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



SENSORS



NJ8-E2

Inductive proximity switch - Cable 5 m



Plug-in connector customizable Straight - Connector M8



NJ8-E2S Inductive proximity switch - Connector M8



S12-G-3

Plug-in connector customizable Straight - Connector M12

	► Technical data
Order no.	GH76100
Stroke per jaw [mm]	100
Gripping force in closing [N]	8000
Gripping force in opening [N]	8500
Closing time [s]	1.5
Opening time [s]	1.5
Repetition accuracy +/- [mm]	0.05
Operating pressure min. [bar]	3
Operating pressure max. [bar]	8
Nominal operating pressure [bar]	6
Operating temperature min. [°C]	+5
Operating temperature max. [°C]	+80
Air volume per cycle [cm³]	3040
Protection to IEC 60529	IP64
Weight [kg]	37

