

# 3-JAW CONCENTRIC GRIPPERS

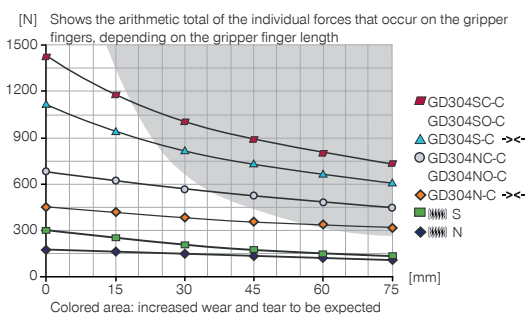
## INSTALLATION SIZE GD304

1

### PRODUCT SPECIFICATIONS

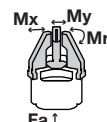


#### Gripping force diagram



#### Forces and moments

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



Mr [Nm]	8
Mx [Nm]	15
My [Nm]	15
Fa [N]	700

### INCLUDED IN DELIVERY



Mounting block

KB3-08



Centering Disc

DST40400

### RECOMMENDED ACCESSORIES



Universal Jaw Aluminium

UB304



Universal Jaw Steel

UB304ST



Pressure piece N / S

ADS304N-S



Pressure piece NC / NO / SC / SO

ADS304C-O



Inductive Proximity Switch Cable 0,3 m - Connector M8  
NJ3-E2SK



Magnetic field sensor Angled Cable 0,3 m - Connector M8

MFS103SKHC



Magnetic field sensor Straight Cable 0,3 m - Connector M8

MFS204SKHC



Straight Fittings - Quick Connect Style

GVM5



Angled Fittings - Quick Connect Style

WVM5



Pressure Safety Valve

DSV1-8

\*All data measured at 6 bar

# 3-JAW CONCENTRIC GRIPPERS

## SERIES GD300

1

Series GD300 / 3-Jaw Concentric Grippers / pneumatic / Grippers

### ▶ PRODUCT ADVANTAGES



#### “The economical”

##### ▶ Concentration on the essentials

The most economic type of gripping: This is how you reduce your production costs

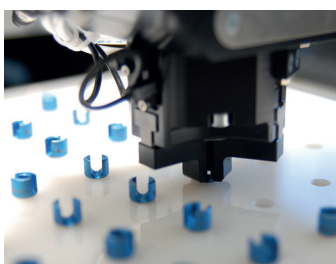
##### ▶ Proven T slot guide

This established and proven guiding technology stands for the highest process reliability like no other

##### ▶ Compact structure

Reduces the interference contours for your application

### ▶ THE BEST PRODUCT FOR YOUR APPLICATION



##### ▶ Our products welcome the challenge!

Extreme conditions, all over the world—our tried and tested components and systems give you endless possibilities.

Find the best product for your specific use:

[www.zimmer-group.de](http://www.zimmer-group.de)

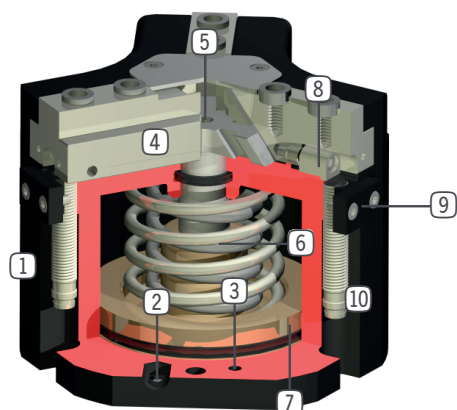
#### HOW TO ORDER CORRECTLY

- ▶ The product order numbers are arranged according to this diagram:

Order no.	GD304	<input type="checkbox"/>	<input type="checkbox"/>	-C
Long stroke		N		
High force		S		
For external gripping, self-locking, spring closing			C	
For internal gripping, self-locking, spring opening			O	



## ► BENEFITS IN DETAIL



- ① **Robust, lightweight housing**  
- Hard-coated aluminum alloy
- ② **Energy supply**  
- possible from several sides
- ③ **Mounting and positioning**  
- mounting possible from several sides for versatile positioning
- ④ **Gripper jaw**  
- individual gripper finger mounting
- ⑤ **Wedge hook mechanism**  
- synchronized the movement of the gripper jaws  
- high force transfer
- 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 **Integrated, adjustable switch cam**  
- for direct position sensing of the gripper jaw
- ⑨ **Mounting block**  
- mounting for inductive proximity switch (10)

## ► SERIES CHARACTERISTICS



Number of installation sizes	9
Stroke per jaw	3 mm - 30 mm
Gripping force	200 N - 34700 N
Weight	0,13 kg - 24 kg
AP class	3



10 million maintenance-free cycles (max.)



High-strength S



Magnetic field sensor



Spring closing C



Inductive sensor



Purged air



Spring opening O



IP40