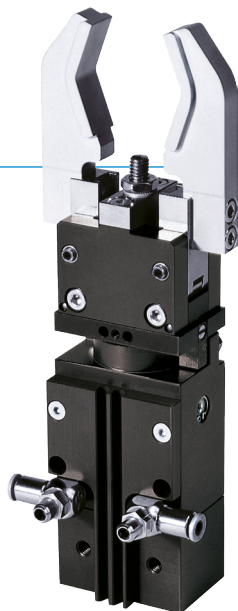


2-JAW ANGULAR ROTARY GRIPPERS

SERIES DGK





▶ PRODUCT ADVANTAGES



“TWO in ONE”

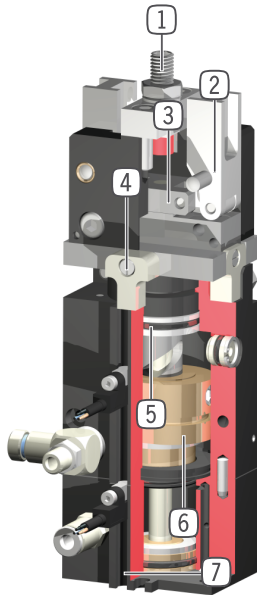
- ▶ **Smooth stroke configuration**
You can adjust the 180° opening angle to be unique to your application using an adjusting screw
- ▶ **2 in 1**
Gripping and swivelling in a module allows optimum utilisation of the installation space
- ▶ **Individually adjustable**
How you stay flexible: 90° or 180° swivel angle - You decide what your application requires on site

▶ SERIES CHARACTERISTICS

Installation size		
DGK20N		
 1.5 million maintenance-free cycles (max.)		•
 Spring closing C		•
 Spring opening O		•
 IP40		•



► BENEFITS IN DETAIL



- ① **Stroke adjustment screw**
 - Infinitely adjustable opening stroke
- ② **Gripper jaw**
 - individual gripper finger mounting
- ③ **Guided toggle lever mechanism**
 - synchronized the movement of the gripper jaws
 - mechanically self-locking
- ④ **Endposition 0°/90°/180° adjustment**
 - endstops for 0°/90°/180° included with purchase
- ⑤ **Rotating-drive mechanism**
 - robust, wear-resistant
- ⑥ **Drive**
 - two double-acting pneumatic cylinders
- ⑦ **Slot for magnetic field sensor**
 - sensing of the rotational position and gripper jaw position

► TECHNICAL DATA

	Stroke	Gripping force	Weight	IP class
Installation size	[°]	[N]	[kg]	
DKG20	90	150	0.55	IP40

► 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.

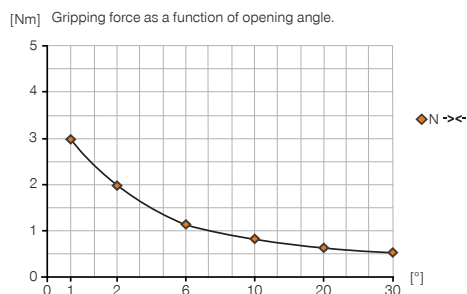
2-JAW ANGULAR ROTARY GRIPPERS

INSTALLATION SIZE DGK20

PRODUCT SPECIFICATIONS

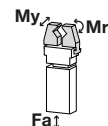


Gripping moment diagram



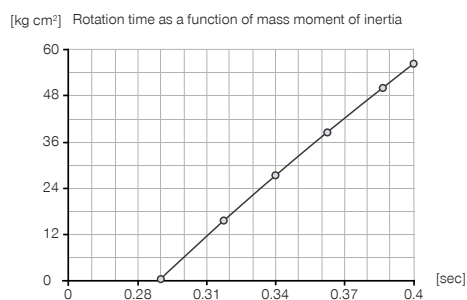
Forces and moments

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



Mr [Nm]	0.8
Mx [Nm]	0.8
My [Nm]	1
Fa [N]	150

Rotation time diagram



INCLUDED IN DELIVERY



2 [piece]
Flow Control Valves - with Swivel joint
DRVM5X4



1 [piece]
Stop 90° + 180°
ANS0065

RECOMMENDED ACCESSORIES



ENERGY SUPPLY



GVM5
Straight Fittings - Quick Connect Style



SENSORS



MFS01-S-KHC-P1-PNP
Magnetic field sensor Angled Cable 0,3 m - Connector M8



SENSORS



MFS01-K-KHC-P1-PNP
Magnetic field sensor Angled Cable 5 m



MFS02-K-KHC-P1-PNP
Magnetic field sensor Straight Cable 5 m



MFS02-S-KHC-P1-PNP
Magnetic field sensor Straight Cable 0,3 m - Connector M8

Order no.	Technical data
	DGK20N
Stroke per jaw [°]	90
Gripping force in closing [N]	150
Gripping moment in closing [Nm]	3
Closing time [s]	0.25
Opening time [s]	0.25
Torque [Nm]	0.5
Repetition accuracy +/- [mm]	0.1
Repetition accuracy +/- [°]	0.05
Axial bearing load [N]	960
Radial bearing load [Nm]	10
Operating pressure [bar]	3 ... 8
Nominal operating pressure [bar]	6
Operating temperature [°C]	5 ... +80
Air volume per cycle [cm³]	9
Air volume per cycle 90° [cm³]	4.6
Air volume per cycle 180° [cm³]	9.2
Weight [kg]	0.55

