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

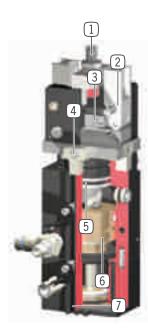
Individually adjustable

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	•		
IP 40 IP40	•		

BENEFITS IN DETAIL



TECHNICAL DATA

	Stroke	Gripping force	Weight	IP class
Installation size	[°]	[N]	[kg]	
DGK20	90	150	0.55	IP40

FURTHER INFORMATION IS AVAILABLE ONLINE



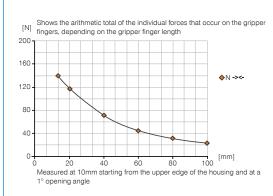
All information just a click away at: www.zimmer-group.com. Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.

2-JAW ANGULAR ROTARY GRIPPERS INSTALLATION SIZE DGK20

PRODUCT SPECIFICATIONS



Gripping force diagram



Forces and moments

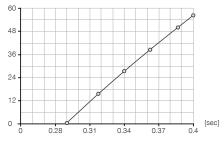
Displays static forces and moments that can also have an effect, besides the gripping force.



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

Rotation time diagram





INCLUDED IN DELIVERY

8-	2 [piece] Flow Control Valves - with Swivel joint DRVM5X4	P	1 [piece] Stop 90° + 180° ANS0065
► RECOM	MENDED ACCESSORIES		
	RGY SUPPLY	SEN	SORS
	GVM5 Straight Fittings - Quick Connect Style		MFS01-S-KHC-P1-PNP Magnetic field sensor angled, cable 0.3 m - M8 connector
SENS	SORS		MFS02-K-KHC-P1-PNP Magnetic field sensor straight, cable 5 m
L	MFS01-K-KHC-P1-PNP Magnetic field sensor angled, cable 5 m		MFS02-S-KHC-P1-PNP Magnetic field sensor straight, cable 0.3 m - M8 connector

	Technical data
Order no.	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]	38
Nominal operating pressure [bar]	6
Operating temperature [°C]	5 +80
Air volume per cycle [cm ³]	9
Air volume per cycle 90° [cm³]	4.6
Air volume per cycle 180° [cm ³]	9.2
Weight [kg]	0.55

