

SELF-CENTERING PARALLEL GRIPPERS WITH T-GUIDE **SERIES CGPT**



**Single and double acting, magnetic,
self-centering**
Sizes: 16, 20, 25, 32, 40 mm

Thanks to the use of a high performance and precise force transmission system, Series CGPT grippers are able to provide high gripping forces while guaranteeing very high repeatability. The wide range of sizes available allows you to find the best solution for any kind of movement. The grippers are supplied with centering bushes (tolerance H8) which, once positioned on the body and/or on the jaws, are able to guarantee high interchangeability of both the gripper and the extensions during maintenance.

- IP40
- High opening and closing force
- High opening and closing repeatability
- Fixing from the top, bottom and side
- Supply on the side or bottom (even without tubes)
- Self-centering jaws
- Complies with ROHS directive
- Reliability
- High resistance to external loads thanks to the T-guide
- Variants available for use in ATEX zones and high temperature environments

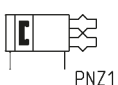
General data

Type of construction	Self-centering parallel gripper with T-guide
Operation	Single acting (NO, NC), double acting
Sizes	16, 20, 25, 32, 40 mm
Force transmission	Lever
Air connections	M3 (Ø16), M5 (Ø20, 25, 32), G1/8 (Ø40)
Working pressure	2 ÷ 8 bar (double acting), 4 ÷ 8 bar (single acting)
Working temperature	5°C ÷ 60°C (standard) - 5°C ÷ 150°C (high temperature version)
Store temperature	-10°C ÷ 80°C
Maximum use frequency	3 Hz (Ø 16, 20, 25, 32), 2 Hz (Ø 40)
Repeatability	0.02 mm
Interchangeability	0.1 mm
Medium	Filtered air in class 7.4.4 according to ISO 8573-1. In case lubricated air is used, we recommend ISOVG32 oil and to never interrupt lubrication.
Lubrication	After 10 million cycles, grease the sliding zones using Molykote DX grease.
Protection class	IP 40
Compatibility	ROHS Directive
Certifications	ATEX (II 2GD c IIC 120°C (T4)-20°C≤Ta≤80)
Materials	PTFE, Silicone and Copper free
N.B. Pressurize the pneumatic system gradually in order to avoid uncontrolled movements	

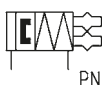
Coding example

CGPT	-	16	-	NC	-	W	EX
CGPT	SERIES						
16	SIZES: 10 16 20 25 32 40						
NC	FUNCTIONING: = DOUBLE ACTING NO = SINGLE ACTING, NORMALLY OPEN NC = SINGLE ACTING, NORMALLY CLOSED			PNEUMATIC SYMBOLS PNZ1 PNZ3 PNZ2			
W	VERSION: = standard W = high temperatures (150 °C) - not magnetic						
EX	Add EX to order the certified ATEX version						

Pneumatic symbols



PNZ1



PNZ2



PNZ3

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