

THREE-JAW GRIPPERS WITH T-GUIDE SERIES CGZT



Single and double acting, magnetic, self-centering Sizes: 40, 50, 64, 80, 100, 125, 160 mm

The new Series CGZT pneumatic grippers use a high performance and precise force transmission system that delivers a high gripping force while guaranteeing high repeatability in a compact and lightweight design. Available in 7 sizes (40, 50, 64, 80, 100, 125 and 160) and three different variants (double acting, single acting NO and single-acting NC), the Series CGZT provides the best solution for every handling need and is also available with a part retaining unit. Consequently, this gripper series is ideally suited for use with anthropomorphic or collaborative robots, gantry systems for Pick and Place applications, material handling and machine tending.

- Robust and lightweight
- Self-centering jaws
- IP40
- Fixing from the top and bottom
- Supply on the side or bottom (even without tubes)
- Double position detection
- Variants available for use in ATEX zones and high temperature environments
- Complies with ROHS directive
- High positioning repeatability

General data

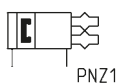
Type of construction	Three-jaw self-centering gripper with T-guide
Operation	Single acting (NO, NC) double acting
Sizes	40, 50, 64, 80, 100, 125, 160 mm
Force transmission	Lever
Air connections	M3 (40), M5 (50, 64, 80), G1/8 (100, 125, 160)
Working pressure	2 ÷ 8 bar (double acting), 4 ÷ 8 bar (single acting)
Working temperature	5°C ÷ 60°C (standard) - 5°C ÷ 130°C (high temperature version)
Store temperature	-10°C ÷ 80°C
Maximum use frequency	5 Hz (40, 50, 64); 3 Hz (80); 2 Hz (100, 125); 1 Hz (160)
Repeatability	≤ 0.02 mm
Interchangeability	0.1 mm
Medium	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	IP40
Compatibility	ROHS Directive
Certifications	ATEX (II2G Ex h IIC T4 Gb II2D Ex h IIIC T120° Db -20°C ≤ Ta ≤ 70°C). Add EX at the end of the commercial code to order the ATEX version.
Materials	Free from Copper, PTFE and Silicone

NOTE: Pressurize the pneumatic system gradually in order to avoid uncontrolled movements.

Coding example

CGZT	-	050	-	NC	-	W	EX
CGZT	SERIE						
050	TAGLIA: 040 050 064 080 100 125 160						
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 (130°C) - non magnetic						
EX	Add EX to order the certified ATEX version						

Pneumatic symbols



Contacts

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