



Series CGZT

Three-jaw self-centering grippers with T-guide

The new **Series CGZT** pneumatic grippers, thanks to the use of a high performing and precise force transmission system, are able to provide high gripping forces while guaranteeing repeatability in a compact and light design. Available in 7 sizes (40, 50, 64, 80, 100, 125 and 160) and three different versions (double acting, single acting NO and single acting NC),

allows you to find the best solution for every handling need. They are also available in the clamp stop fixing-variant. This gripper series results particularly suitable to be combined with anthropomorphic or collaborative robots and gantry systems for applications in Pick and Place units, Material handling and the loading/unloading operations of machine tools.

ROBUST AND LIGHT

DOUBLE POSITION DETECTION

IP40

VARIANTS AVAILABLE: FOR USE IN ATEX ZONES AND FOR HIGH TEMPERATURES

FLEXIBLE INSTALLATION OPTIONS

FREE FROM COPPER, PTFE AND SILICONE

3 SELF-CENTERING JAWS

FIXING FROM THE TOP AND FROM BELOW

SUPPLY ON THE SIDE OR ON THE BOTTOM (EVEN WITHOUT USING TUBES)

IN COMPLIANCE WITH ROHS DIRECTIVE

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
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 ÷ 150°C (high temperature version)
Store temperature	-10°C ÷ 80°C
Maximum use frequency	3 Hz (40, 50, 64, 80), 2 Hz (100, 125, 160)
Repeatability	+/- 0.02 mm (40, 50, 64, 80), +/- 0.05 mm (100, 125, 160)
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 with Molykote DX grease
Protection class	IP40
Compatibility	ROHS Directive
Certifications	ATEX (II 2GD c IIC 120°C(T4)-20°C≤T _a ≤80)
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 SERIES

050

SIZES:
 040 = ø 25 mm
 050 = ø 33 mm
 064 = ø 43 mm
 080 = ø 54 mm
 100 = ø 76 mm
 125 = ø 96 mm
 160 = ø 125 mm

NC

FUNCTIONING:
 NC = DOUBLE ACTING
 NO = SINGLE ACTING, NORMALLY OPEN
 NC = SINGLE ACTING, NORMALLY CLOSED

PNEUMATIC SYMBOLS
 PNZ1
 PNZ3
 PNZ2

W

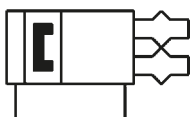
VERSION:
 = standard
 W = high temperatures (150°C) - non magnetic

EX

Add EX to order the certified ATEX version

Pneumatic symbols

The pneumatic symbols which have been indicated in the CODING EXAMPLE are shown below.



PNZ1



PNZ2



PNZ3

