

SERIES CGSP **COMPACT, SELF-CENTERING** **PARALLEL GRIPPERS**



Compact design, high performance.

Series CGSP grippers are double acting, self-centering parallel grippers with a T-shaped sliding guide. Thanks to the materials and surface coating used, this Series guarantees high performance over time. These highly reliable grippers are protected against the entrance of impurities even in dusty environments. Their compact design, high positioning repeatability and opening and closing speed make the Series CGSP suitable for handling small items in pick & place, insertion and machine tending applications that are typically found in the electronic components assembly sector, cosmetics & medical industry as well as in food packaging.

BENEFITS

- **Compact and light design**
- **High reliability**
- **Free from copper, silicone and PTFE**
- **Compatible with magnetic and inductive sensors**
- **Protected against the entrance of impurities (IP40)**

SETTORI



Assembly



Plastics & Rubber



Food & Beverage

General Data

Type of construction	Self-centering parallel gripper with T-guide
Operation	Single acting (NO, NC), double acting
Bores	20, 25, 32, 40 mm
Force transmission	Lever
Air connections	M5 (Ø20, 25, 32), G1/8 (Ø40)
Working temperature	5°C ÷ 60°C
Storage temperature	-10°C ÷ 80°C
Maximum use frequency	3 Hz (Ø20, 25, 32), 2 Hz (Ø40)
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	Free from Copper, Silicone and PTFE

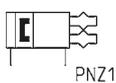
N.B. Pressurize the pneumatic system gradually in order to avoid uncontrolled movements.

Coding example

CGSP	-	20	-	NC	-	EX
CGSP	SERIES					
20	SIZES: 20 25 32 40					
NC	FUNCTIONING = double acting NO = single acting, normally open NC = single acting, normally closed			PNEUMATIC SYMBOLS PNZ1 PNZ3 PNZ2		
EX	VERSION = standard EX = ATEX certification					

Pneumatic symbols

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



Contacts

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