

variables/V-color

Magnetic Tool | FA Series | FA28



Feature

FA28

Weight	0.50 kg
Working Load ²	16.00 kg
Optimal material thickness	3.50 mm
Max shear	1.65 kg
Overall Height	90.00 mm
Magnetic pole footprint	28 mm

¹ Safety factor 2:1

² Safety factor 4:1

Notice : The provided technical data are the higher limits recommended in static condition. To obtain the correct dimensioning of the product, it is necessary to hold account of all the applicable dynamic forces, including the inertia of the manipulator, the configuration of the tools and the external forces applied.

Fluxus FA Series: Magnetic Power for Your Automation!

The FA28 is a pneumatic magnetic gripper developed by Fluxus for industrial automation. This device uses magnetic switching technology activated by compressed air, allowing for rapid activation and deactivation of the magnetic field to safely handle ferritic steel parts. The FA28 is available in multiple configurations, including flat poles, V-shaped, pin-type, or blank versions, and offers PNP, NPN, or sensorless options. This flexibility makes it suitable for various applications such as pick and place, bin picking, transfer in stamping presses, automotive body assembly, and transmission component handling. Additionally, the

use of the FA28 helps reduce the size and weight of robotic end-effectors, shortens cycle times, and improves safety, while offering new possibilities for automated manufacturing processes.



Advantages

- Pneumatic magnetic switching for shorter cycles.
- Reduces the weight of end-effectors and improves maneuverability.
- Prevents drops and ensures reliable holding of metallic parts.



Benefits

- Limited maintenance costs
- Limited peripheral equipment costs
- Very low power consumption
- Reduced cycle time
- Controlled integration costs



p e s

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expertise in connectivity