

variables/V-color

Magnetic Tool | FA Series | FA46



Feature

FA46

| | |
|-----------------------------------|----------|
| Weight | 0.50 kg |
| Working Load ² | 85.00 kg |
| Optimal material thickness | 5.00 mm |
| Max shear | 8.50 kg |
| Overall Height | 77.50 mm |
| Magnetic pole footprint | 46 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 FA46 is a pneumatic magnetic gripper designed by Fluxus for industrial automation. As part of the FA series, it utilizes magnetic switching technology activated by compressed air, allowing for rapid activation and deactivation of the magnetic field to safely handle ferritic steel parts. This series is particularly suited for applications such as pick and place, bin picking, transfer in stamping presses, automotive body assembly, and transmission component handling. FA grippers help reduce the size and weight of robotic end-effectors, shorten cycle times, and enhance 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



pes

product
engineering
services

expertise in connectivity