

# AY Series

## Magnetic Gripper for Automation

A highly technical tool series that allows maximum saturation (performance) on thin material. Array units ("AY") offer increased power in a compact, single actuator package. These units are suited to sheet handling on the fly or in shear. This is a revolutionary automation tool that for the first time, truly challenges vacuum suction systems while delivering fast payback on the initial investment. Units can be specified for deep field (JSC) or shallow field (ASC) operation.



M15AY



### Application

- ▶ For thin workpieces:  
AY-ASC with a flat magnetic field
- ▶ For thick workpieces:  
AY-ISC with a deep magnetic field
- ▶ Suitable for automation, lifting operations, robotics technology, welding and clamping technology

### Features

- ⊕ Very thin sheets up to 0,5 mm can be separated from the stack
- ⊕ Absolutely safe lifting – namely with 4-times safety (the pull-off strength is 4 times of the recommended lifting force)
- ⊕ Very light and very heavy workpieces can be grabbed
- ⊕ Compact and stable
- ⊕ Very low residual magnetism

### Technical data

	Dimensions [Ø x H] [mm]	Load	Optimal material thickness [mm]	Weight [kg]	No.
		SWL 4:1 Fh [kg]			
M10AY	66 x 105	6	1,0	0,5	on request
M15AY	79 x 112	18	2,7	0,8	on request
M20AY	98 x 127	43	4,8	1,5	on request
M30AY	135 x 153	59	3,4	2,9	on request