

# MAP - MRP Series

## Magnetic Gripper for Automation

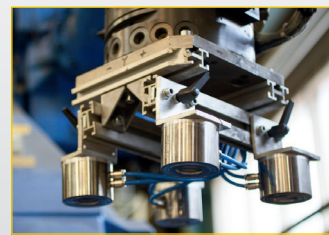
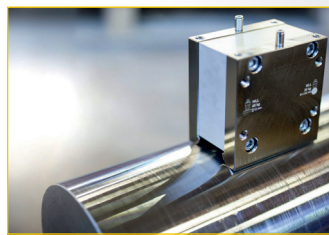
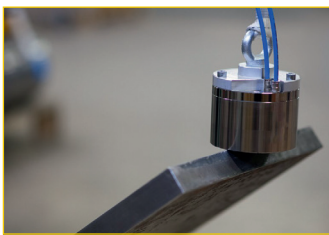
These permanent magnets cover individual needs and can be fitted for nearly all surfaces.

They get switched within very short cycle time by pneumatic impulse.



MRP-170

MAP-40



### Application

- ⊕ For round and flat workpieces
- ⊕ For workpieces with irregular surfaces
- ⊕ For thin and thick sheets
- ⊕ Suitable for automation, lifting operations, robotic technology, welding and clamping technology

### Features

- Ⓜ Longlived construction
- Ⓜ Maintenance-free
- Ⓜ Highest safety
- Ⓜ Compressed air demand 5 - 8 bar
- Ⓜ IP Code 67
- Ⓜ Special pole shoes for special surface

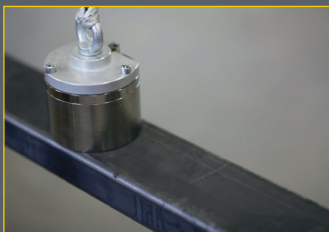
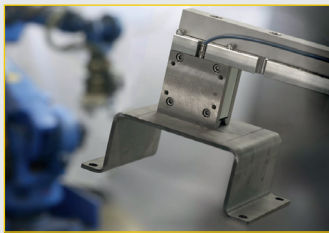
Technical data	Dimensions	Load SWL 3:1 Fh [kg]	Min. thickness [mm]	Min. $\varnothing$ [mm]	Load SWL 3:1 Fh [kg]	Required diameter [mm]	Max. residual gripping capacity
	[ $\varnothing$ x H] or [L x W x H] [mm]						(magnet OFF) [kg]
MAP-6	$\varnothing$ 35 x 35	6	>4	-	-	-	0,03
MAP-40	$\varnothing$ 65 x 50	40	>8	-	-	-	0,2
MAP-120R	$\varnothing$ 120 x 80	120	>25	$\varnothing > 0$	70	$\varnothing > 200$	6
MAP-180	$\varnothing$ 120 x 82	180	>25	-	-	-	6
MRP-28NK	80 x 55 x 126	84	>12	>12	36	-	0,3
MRP-46	80 x 55 x 82,5	46	>12	$\varnothing > 20$	30	$\varnothing > 120$	4
MRP-130F	120 x 103 x 120	130	>25	-	-	-	40
MRP-170	103 x 120 x 140	170	>25	$\varnothing > 25$	120	$\varnothing > 120$	30



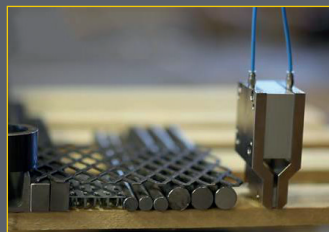
MAP-6

### Professional advantages

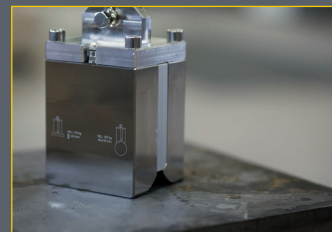
- + Switchable permanent magnets with 3-times safety
- + Custom-made pole shoes can be fitted to special forms
- + Low residual magnetism
- + Very short switching time by air pressure pulse
- + Low energy consumption



MAP-120R



MRP-28NK



MRP-46

### Gripping capacity versus material thickness and airgap

	SWL 3:1	Min. thickness	Load with thickness of:			Load with airgap of:			Weight	No.
			2 mm	4 mm	8 mm	0,1 mm	0,2 mm	0,4 mm		
	Fh [kg]	[mm]		[kg]			[kg]	[kg]		
MAP-6	6	>4	12	18	18	8,1	4,5	2,2	0,19	63448
MAP-40	40	>8	22	57	120	79	58	34	0,95	63450
MAP-120R	120	>25	19	60	175	310	270	200	5,80	64324
MAP-180	180	>25	26	80	224	360	270	167	5,80	64333
MRP-28NK	84	>12	28	56	82	126	75	38	2,60	66289
MRP-46	46	>12	36	91	122	100	72	36	1,80	65011
MRP-130F	390	>25	40	119	300	340	300	260	9,50	65707
MRP-170	170	>25	47	147	400	460	410	300	10,7	64823