

MAP - MRP Series

Magnetic Gripper for Automation

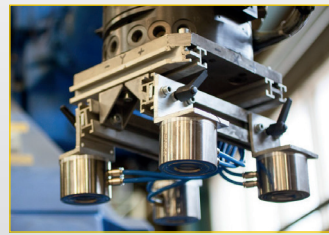
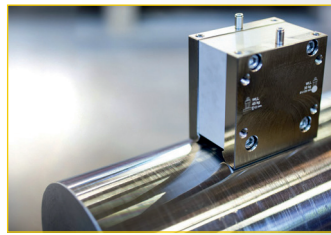
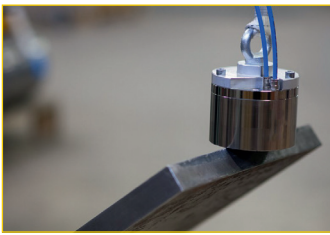
These permanent magnets cover individual needs and can be fitted for nearly all surfaces.

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

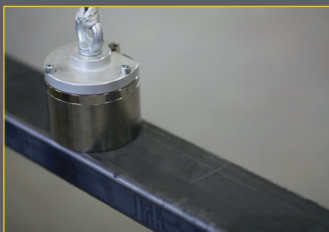
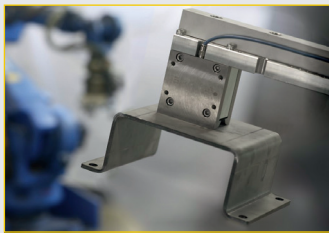
Technical data	Dimensions	Load	Min. thickness	Min. Ø	Load	Required diameter	Max. residual gripping capacity (magnet OFF)
	[Ø x H] or [L x W x H]	SWL 3:1			SWL 3:1		
	[mm]	Fh [kg]	[mm]	[mm]	Fh [kg]	[mm]	[kg]
MAP-6	Ø 35 x 35	6	>4	-	-	-	0,03
MAP-40	Ø 65 x 50	40	>8	-	-	-	0,2
MAP-120R	Ø 120 x 80	120	>25	Ø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



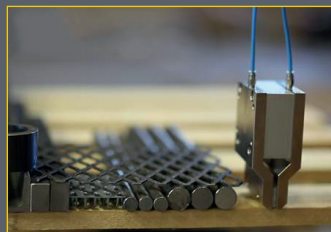
MAP-6

Professional advantages

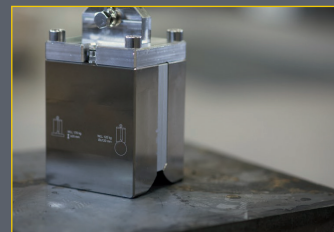
- + Switchable permanent magnets with 3-times safety
- + Custom-made pole shoes can be fitted to special forms
- + Low residual magnetism
- + Very short switching time by air pressure pulse
- + Low energy consumption



MAP-120R



MRP-28NK



MRP-46

Gripping capacity versus material thickness and airgap

	Load SWL 3:1 Fh [kg]	Min. thickness [mm]	Load with thickness of:			Load with airgap of:			Weight [kg]	No.
			2 mm	4 mm	8 mm	0,1 mm	0,2 mm	0,4 mm		
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	130	>25	40	119	300	340	300	260	9,50	65707
MRP-170	170	>25	47	147	400	460	410	300	10,7	64823