

# ROBOT MAGNETIC GRIPPING SOLUTIONS

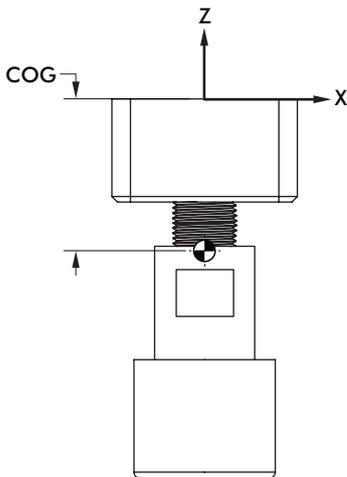
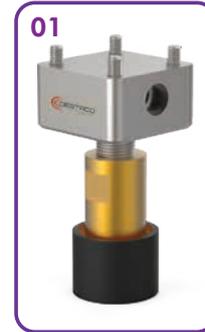
Magnetic Gripper Kit | Ordering Information



## MG-050-XX Magnetic Gripper Kit



Adapter Model: **MG** — Robot ISO Size: **050** — Type: **XX**



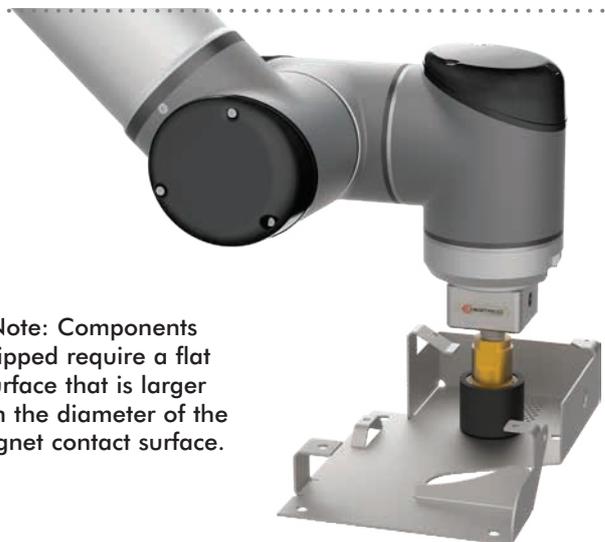
Specifications:	Units	MG-050-01	MG-050-02
Max Payload without Boot:	Kg [lb]	0.25 [0.5]	1.0 [2.2]
Max Payload with Boot:	Kg [lb]	0.75 [1.75]	3.0 [6.6]
Boot Material:		Polyurethane	Polyurethane
Gripper Material:		Aluminum	Aluminum
Minimum Operating Pressure:	bar [psi]	2 [30]	2 [30]
Maximum Operating Pressure:	bar [psi]	4 [60]	4 [60]
Weight:	Kg [lb]	0.31 [.69]	0.57 [1.26]
COG (Centre of Gravity) [X] [Y] [Z]	mm	[-0.15] [0] [-44.21]	[-0.08] [0.17] [-58.46]
Moment of Inertia @ COG -I <sub>XX</sub>	[Kg-mm <sup>2</sup> ]	485.23	814.02
Moment of Inertia @ COG -I <sub>YY</sub>	[Kg-mm <sup>2</sup> ]	484.53	832.01
Moment of Inertia @ COG -I <sub>ZZ</sub>	[Kg-mm <sup>2</sup> ]	96.65	324.3

## Mag-Lift Magnetic Gripper Working

Activate air on or off to release or grip ferrous material with these grippers

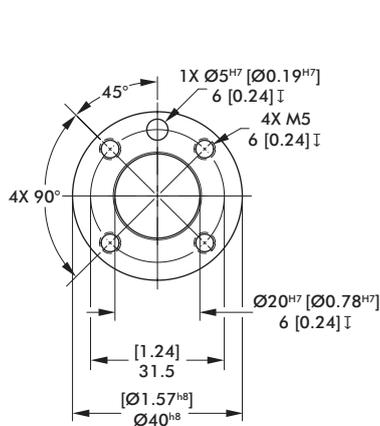
- Air is supplied when approaching workpiece
- Remove air when magnet is in close proximity to workpiece
- With air removed, grip is maintained allowing ferrous material to be moved to another location
- Activate air pushes magnet away to quickly release work piece

Note: Components gripped require a flat surface that is larger than the diameter of the magnet contact surface.

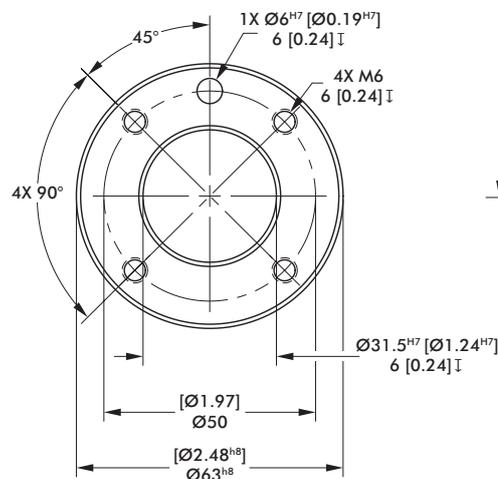


Manufacturer	Models		
GENERIC	Any model with <b>ISO-9409-1-31.5-4-M5</b>	Any model with <b>ISO-9409-1-50-4-M6</b>	Any model with <b>ISO-9409-1-80-6-M8</b>
ABB	CRB 1100	CRB 15000	
AUBO		I3, I5, I7, I10, I12, I16, I20	
DOBOT		CR-5, CR3A, CR7A, CR10A, CR12A, CR16A	CR20A
DOOSAN ROBOTICS		M0609, M1509, M1013, M0617	
ESI		C-7, C-15	
F&P PERSONAL ROBOTICS		P-ROB 2R-24V, 48V	
FRANKA EMIKA		PANDA	
HAN'S ROBOTS		ELFIN 3, 5, 10	
HANWHA PRECISION MACHINERY		HCR-3, 5, 12	
JAKA/KUNLIN		ZU 7, 12	
KAWADA INDUSTRIES		NEXTAGE	
KUKA		LBR iiwa 7 R800, LBR iiwa 14 R820	
MODBOT		Robot, SCARA	
Omron TM		TM 5-700, TM 5-900, TM 12, TM 14, TM 16, TM 20	
RAINBOW ROBOTICS		RB5	
REIS		RV10-6, RV20-6	
ROZUM		PULSE 75, 90	
SIASUN		GCR5, GCR14, GCR20, SCR3, SCR5	
STAUBLI	TX2 40, TX2 60	TX2 90, TX2 TOUCH 90, TX2 TOUCH 90L, TX2 TOUCH 90XL	
TECHMAN		TM5M-700, TM5M-900, TM12M, TM14M	
UNIVERSAL ROBOTS		UR3e, UR5e, UR10e, UR16e	UR20, UR30
FANUC	CR-4iA, CR-7iA, CR-7iA/L, CR-14iA	CR-5iA, CR-10iA, CR-10iA/L, CR-20iA, CR-25iA	
KAWASAKI	DUARO1, DUARO2		
YASKAWA / MOTOMAN	GP7, GP8		HC 20DT, HC 20

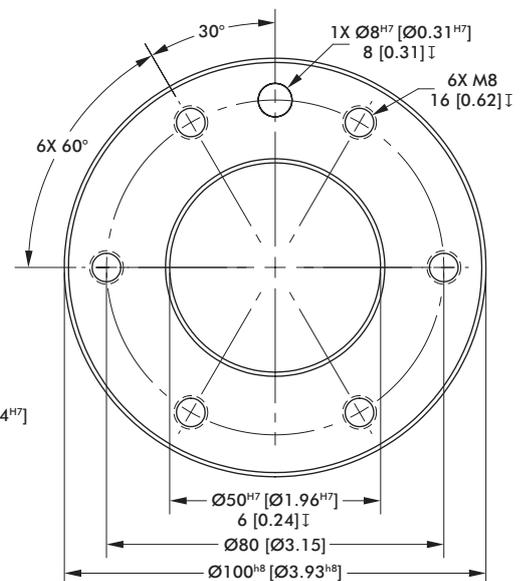
**ISO-9409-1-31.5-4-M5**



**ISO-9409-1-50-4-M6**



**ISO-9409-1-80-6-M8**

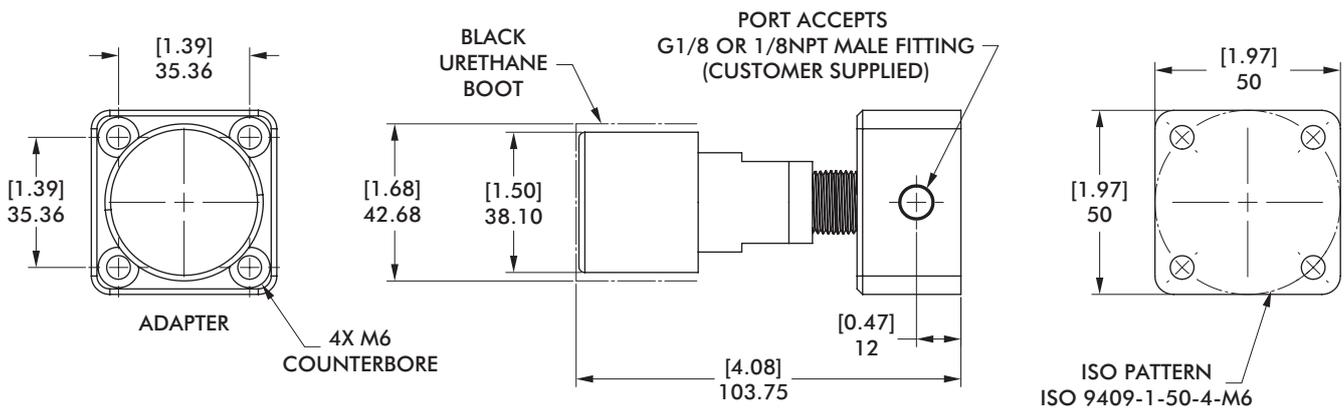
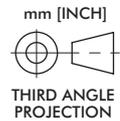


# ROBOT MAGNETIC GRIPPING SOLUTIONS

Magnetic Gripper Kit | Dimensions and Specifications



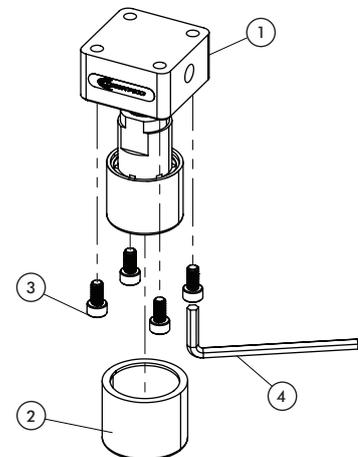
## MG-050-01 Magnetic Gripper Kit

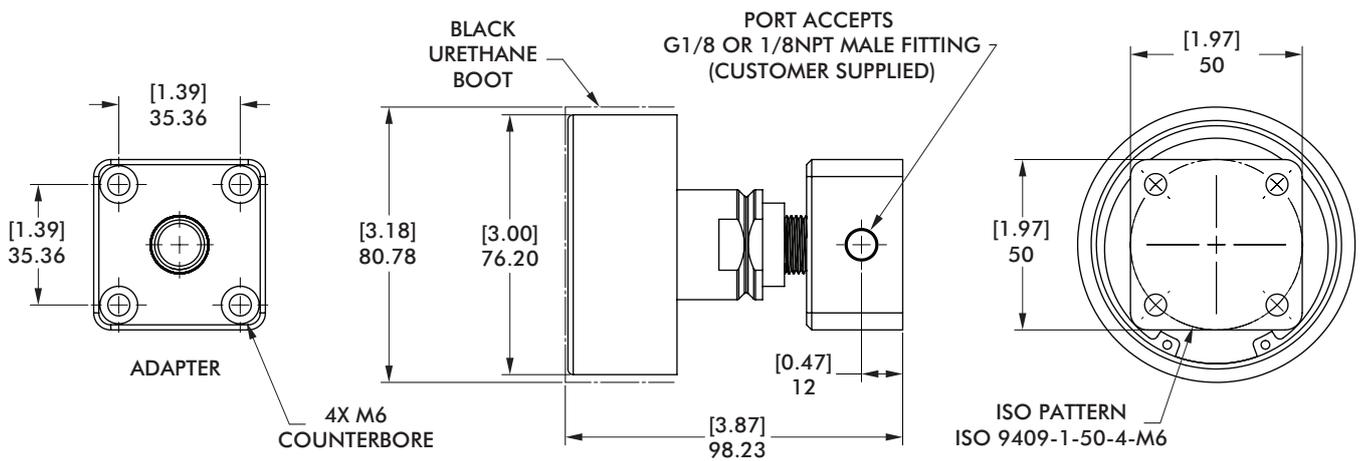
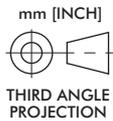


## MG-050-01 Magnetic Gripper Kit Components

Item	Description	Quantity
1	Magnetic Gripper	1
2	Black Urethane Boot for 1.5" Dia	1
3	SCHS, M6 x 12mm, Stainless, Patchlock	4
4	Wrench, Allen, 5mm Hex	1

All hardware and tools are provided in the kit

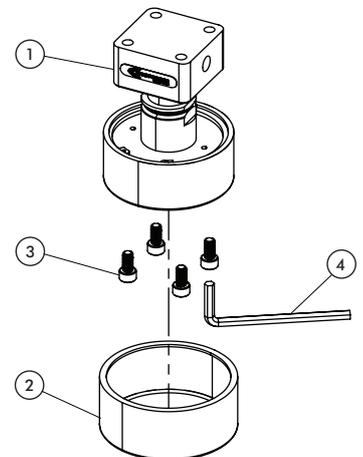


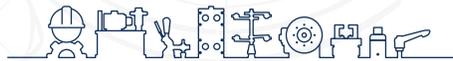


### MG-050-02 Magnetic Gripper Kit Components

Item	Description	Quantity
1	Magnetic Gripper	1
2	Black Urethane Boot for 3" Dia	1
3	SCHS, M6 x 12mm, Stainless, Patchlock	4
4	Wrench, Allen, 5mm Hex	1

All hardware and tools are provided in the kit





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