

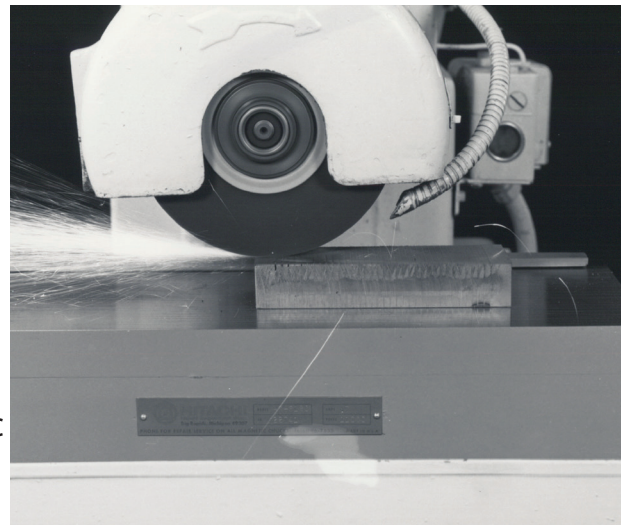
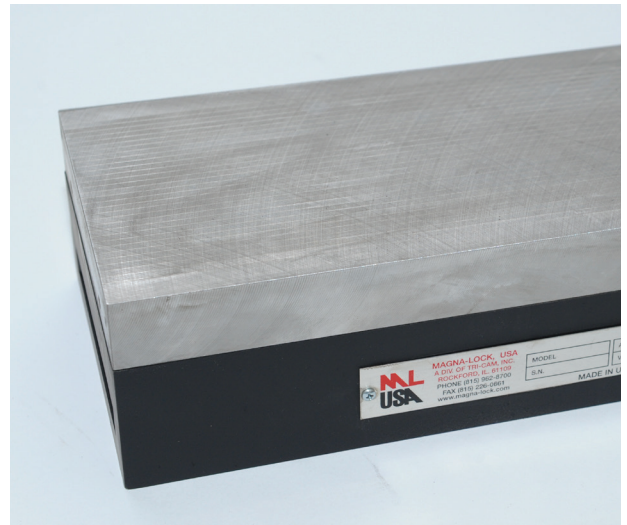
HL Series Electromagnetic Chuck

The Magna-Lock USA HL series, or the economag chuck, is one of the most popular chucks in the industry and features a fine pole pattern that runs longitudinally resulting in a full magnetic surface to all edges of the chuck. This chuck has the lowest height in the industry allowing more head room on your grinder for jigs and fixtures. These chucks are ideally suited for small and thin workpieces and for parallels and V-blocks.

This series was developed in the mid-1970's during the Hitachi Magna-Lock Corporation era and was dubbed the Economag line due to all of its cost savings properties. These properties include less chuck height, less chuck weight, less electrical power, and lower pricing. Although there are several economical savings for this series, it has increased holding power at the end and corners with more evenly distributed holding power than the competition.

The lower height of these magnets mean more head room clearance for your machining process or for the addition of a fixture. The longitudinal laminated top plate design is all steel construction with 1/8" magnetic steel poles and 1/32" non-magnetic stainless-steel separators extending end to end. This durable top plate design is easily reground. The HL series design provides high holding power at ends and corners where single workpieces are normally placed. Also, each chuck is furnished with adjustable end and back stops and two hold-down clamps.

Direct current voltage should be specified by customer with 115 or 230 DC being standard and can be altered in the field on units with multi-coils. Top plates are replaceable without replacing the entire unit.



Contact Us

5015 28th Avenue
Rockford, IL 61109
815-962-8700

info@obsidianmfg.com

obsidianmfg.com | magnalock.com

HL Series Electromagnetic Chuck

Model	Work Surface		Height		Weight		Watts
	in	mm	in	mm	lb	kg	
HL-510	5 x 10	127 x 254	3	76	38	17	36
HL-512	5 x 12	127 x 305	3	76	46	21	48
HL-612	6 x 12	152 x 305	3	76	55	25	53
HL-614	6 x 14	152 x 356	3	76	64	29	68
HL-618	6 x 18	152 x 457	3	76	83	37	85
HL-818	8 x 18	203 x 457	3	76	110	49	107
HL-824	8 x 124	203 x 610	3	76	147	66	150
HL-1015	10 x 15	254 x 381	3	76	115	52	120
HL-1018	10 x 18	254 x 457	3	76	130	55	135
HL-1024	10 x 24	254 x 610	3	76	185	83	150
HL-1030	10 x 30	254 x 762	3	76	231	104	217
HL-1224	12 x 24	305 x 610	3	76	222	100	150

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	Chuck Width
Magnetic Pole Width	.125"
Non-Magnetic Separator Width	.03125"
Total Pitch	.15625"