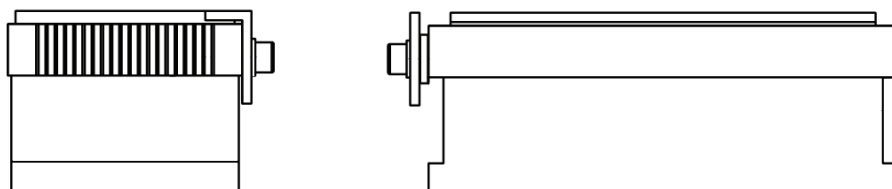


WORKHOLDING CHUCKS FOR GRINDING & MILLING

PERMANENT MAGNETIC CHUCK - GRINDING

Walker's permanent magnetic chucks are manually operated. Made with powerful permanent rare earth (NEO) magnet materials, these chucks can hold a wide range of work-pieces without transferring heat into the material. These chucks allows for holding work-pieces during both surface grinding, as well as light milling. EDM is also possible.



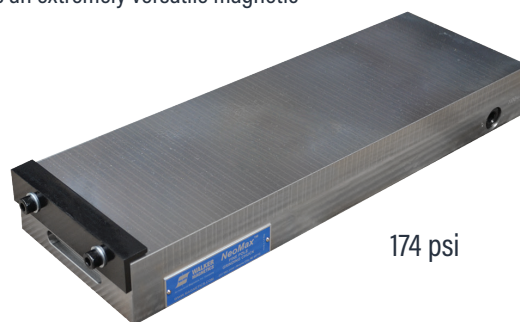
NEOMAX™ PERMANENT MAGNETIC CHUCK - GRINDING

The NeoMax™ chuck is a high powered, rare earth permanent magnetic chuck. This model is an extremely versatile magnetic chuck that can be used for grinding, sinker edm and light milling applications.

FEATURES:

Solid steel/Stainless steel fine pole top plate

- » Steel body milled on all sides
- » Powerful Neodymium magnet material
- » One backrest and one end stop for use on two adjacent sides are included with hardware
- » Allen key for actuation and 2 clamps included
- » Uniform holding power



174 psi

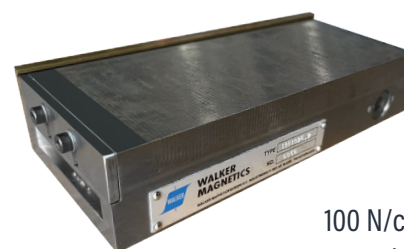
Face Size (in) Ax B	Face Ht. (in) C	Overall Wd. (in) D	Overall Lg. (in) E	Weight (lbs)	Model No.
6x12	2.79	5.9	11.81	57	CP0612C2
6x18	2.79	5.9	17.71	86	CP0618C2
8x18	2.79	7.87	17.71	114	CP0818C2
10x15	2.95	9.84	14.96	125	CP1015C2
12x18	2.95	11.81	17.71	172	CP1218C2
12x24	2.95	11.81	23.26	237	CP1224C2

NEOMICRO PERMANENT MAGNETIC CHUCK - PRECISION GRINDING

The NEOMICRO (Micropitch) Permanent Magnetic Chucks offer superior holding and positioning accuracy for precision grinding applications. Designed to reliably hold a large range of work-piece sizes, from very small and thin up to large items.

FEATURES:

- » Unique actuating mechanism eliminates switching deformation
- » Uniform magnet force distribution over entire working area
- » Specially designed magnetic circuit generates 30% higher holding force compared to other micropitch chucks
- » Very low residual magnetic field allowing for easy removal of grinding swarf
- » Low height allowing maximum wheelhead clearance and ability to use the Neomicro on top of another chuck
- » Backrest and end stop on two adjacent sides
- » Allen key for actuation and 2 clamps included



100 N/cm²
145 psi

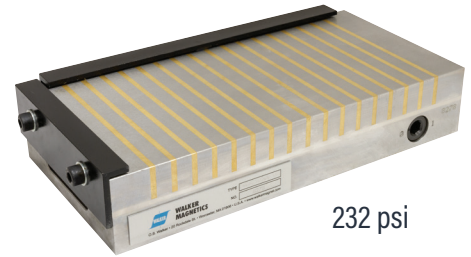
Face Size (in) Ax B	Face Ht. (in) C	Overall Wd. (in) D	Overall Lg. (in) E	Pole Width (in) I	Brass Width (in) J	Weight (lbs)	Model No.
4x10	1.9"	3.93	9.84	0.055	0.02	22	CP0410MICRO
5x10	1.9"	5.11	9.84	0.055	0.02	29	CP0510MICRO
6x10	2.0"	5.9	9.84	0.055	0.02	33	CP0610MICRO
6x12	2.0"	5.9	11.81	0.055	0.02	39.6	CP0612MICRO
6x14	2.0"	5.9	13.77	0.055	0.02	48.4	CP0614MICRO
6x17.74	2.0"	5.9	17.71	0.055	0.02	61.6	CP0618MICRO
8x17.74	2.0"	7.87	17.71	0.055	0.02	81.4	CP0818MICRO
8x24	2.2"	7.87	23.62	0.055	0.02	107.8	CP0824MICRO

NEOMILL PERMANENT MAGNETIC CHUCK - MILLING

Neomill Permanent Magnetic Chuck for milling. These permanent magnetic chucks are designed using Neodymium magnets for milling applications. The dual Neodymium magnet pack generates an exceptionally high holding force on workpieces with an uneven or rough contact surface.

FEATURES:

- » Low magnetic field, concentrated near the top plate surface to reduce chip contamination of the work-piece & cutting tool
- » Transverse, close pole division of 11 mm of steel and 4mm of brass allows optimal holding of work-pieces only 26 mm long and 6 mm thick (Usable top plate life: 5 mm)
- » Nominal holding force 120 N/cm²
- » Allen key for actuation and 2 clamps included
- » The top plate can be drilled and tapped to accommodate pins, pegs or other clamping aids.



232 psi

Face Size AxB (in)	Face Ht. C (in)	Overall Wd. D (in)	Overall Lg. E (in)	Clamp Slot G (in)	Clamp Slot H (in)	Pole Width I (in)	Brass Width J (in)	Weight (lbs)	Model No.
6x12	2.2	6.63	12.31	0.43	0.47	0.433	0.157	45	CP0612MIL
6x18	2.2	6.63	18.31	0.43	0.47	0.433	0.157	77	CP0618MIL
8x18	2.2	8.63	18.31	0.43	0.47	0.433	0.157	110	CP0818MIL
12x24	2.5	12.63	24.31	0.43	0.47	0.433	0.157	196	CP1224MIL

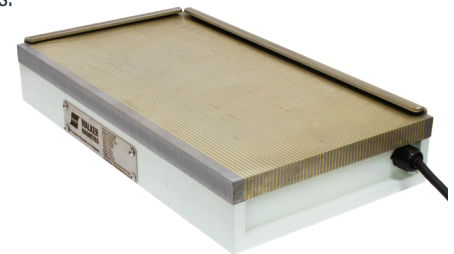
RECTANGULAR ELECTROMAGNETIC CHUCKS

LOW-PROFILE ELECTROMAGNETIC CHUCK - GRINDING

Fine division Long Bar Pole electromagnetic chuck ideal for surface grinding small to medium parts.

FEATURES:

- » Maximum workholding surface
- » Fine pole division for more uniform magnetic holding of small parts
- » Lowest height for maximum clearance
- » Solid brazed construction top plate protects coil from penetration of coolant; provides stronger, more stable work surface.
- » The LBP is an extremely versatile chuck. Its variable holding power permits easy flat grinding (without shimming) or workpieces that do not have one true surface.
- » The magnetic surface pattern allows for simple and inexpensive tooling designs to hold intricate shaped workpieces.
- » Suitable for EDM applications

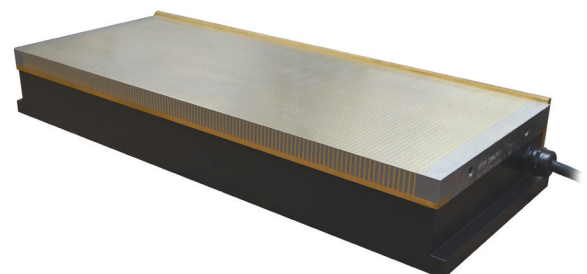


Face Size AxB (in)	Watts	Face Ht. C (in)	Overall Width D (in)	Overall Length E (in)	Overall Height F (in)	Clamp Slot G (in)	Clamp Slot H (in)	Pole Width I (in)	Brass Width J (in)	Weight (lbs)	Model No.	Recommended Control
4x8	26	2.88	4.54	8.54	3.06	0.5	1.43	0.13	0.03	22	CE0408LBP	SMART150WB
6x12	50	2.88	6.54	12.54	3.06	0.5	1.43	0.13	0.03	46	CE0612LBP	SMART150WB
6x18	85	2.88	6.54	18.54	3.06	0.5	1.43	0.13	0.03	70	CE0618LBP	SMART150WB
8x15	95	2.88	8.54	15.54	3.06	0.5	1.43	0.13	0.03	80	CE0815LBP	SMART150WB
8x18	100	2.88	8.54	18.54	3.06	0.5	1.43	0.13	0.03	100	CE0818LBP	SMART150WB
8x20	125	2.88	8.54	20.54	3.06	0.5	1.43	0.13	0.03	95	CE0820LBP	SMART150WB
8x24	150	2.88	8.54	24.54	3.06	0.5	1.43	0.13	0.03	130	CE0824LBP	SMART150WB
10x18	82	2.88	10.54	18.54	3.06	0.5	1.43	0.13	0.03	130	CE1018LBP	SMART150WB
12x24	141	3.13	12.54	24.54	3.06	0.5	1.43	0.13	0.03	185	CE1224LBP	SMART150WB
16x32	294	3.69	16.54	32.54	3.06	0.5	1.43	0.13	0.03	312	CE1632LBP	SMART300WB

CUSTOM CHUCK OPTIONS

ELECTROMAGNETIC & ELECTROPERM - GRINDING & LIGHT MILLING

With years of experience in recommending the right chuck design for your application, chucks can be custom designed and specified when a standard chuck does not meet the needs of your application. Many times the application can call for unique pole designs and configurations. We can help select the right match for your application for a turn-key solution in many electromagnetic and electro-permanent chuck configurations and sizes. These can be designed to integrate into existing systems to replace old chucks or improve clamping performance. Chuck controls can also be provided and engineered to meet the exact needs of your processes.



WORKHOLDING CHUCKS FOR GRINDING & TURNING

NEOSTAR ROTARY PERMANENT CHUCK



Neostar Chucks with Neodymium (rare earth) magnetic circuits are designed for holding rings and bearing races, as well as solid rounds. This chuck comes standard without center hole. An optional through hole can be provided upon request. Includes Allen key for actuation.

NEOSTAR Specifications				
Size (mm)	Total Dia. (in)	Total Height (in)	Weight (lbs)	Model No.
150	5.9	2.24	18	CP06STAR
200	7.9	2.24	31	CP08STAR
250	9.84	2.76	60	CP10STAR
300	11.8	2.87	90	CP12STAR
350	13.8	2.87	121	CP14STAR
400	15.7	2.95	165	CP16STAR
500	19.7	2.95	260	CP20STAR
600	23.6	2.95	374	CP24STAR

RP RADIAL POLE ROTARY ELECTRO CHUCK

Rotary Electromagnetic Chucks are made in radial pole multi-coil design for use in hard turning and free state grinding. The radial pole design is recommended for holding circular workpieces such as rings and discs. Most radial pole chucks come with t-slots, but tapped holes are also available for mounting tooling. The smaller chucks have four or six poles, while the larger chucks have ten or twelve poles.

Dia. (in)	Weight (lbs)	Model No.
6"	22	CE06RP
8"	22	CE08RP
10"	19.8	CE10RP
12"	33	CE12RP
14"	39.6	CE14RP
16"	48.4	CE16RP
18"	61.6	CE18RP



ELECTROMAGNETIC MAGNETIC CHUCK CONTROLS

SMART-D SERIES

The Smart-D Series is wall or cabinet mounted automatic release chuck control system for electromagnetic chucks.

FEATURES:

- » Full, variable & residual holding power
- » Input Voltages: 208/230/240/380/440/480 VAC (50/60 Hz.)
- » Specify AC Voltage when ordering

OPTIONS:

- » Touchpad Controls for some or all control functions
- » Automatic release to ensure workpieces releases based on machine input signal

SCV - MANUAL RELEASE FOR MACHINE MOUNTING

Manual release chuck control with Variable holding 115 VAC input with 0-110 VDC output.

Specifications		
Model	Watts	Net Weight (lbs)
SCV-1.5	150	8



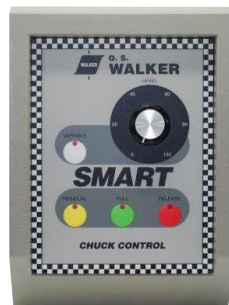
SMART-B SERIES - AUTOMATED RELEASE CONTROL

Automatic Release Controls for machine mounting. Smart controls are designed to be used with electromagnetic chucks, with an input of 115 VAC, output 0-110 VDC.

FEATURES:

- » Touchpad control allows easy selection of full, residual, variable and release positions
- » Automatic release cycle assures workpiece release, while freeing machine operators from manual demagnetizing operations

Specifications		
Model	Watts	Net Weight (lbs)
SMART-1B	150	13
SMART-3B	300	16
SMART-5B	500	18



Specifications			
Model	Watts	Standard (Output Voltage)	Net Weight (lbs)
SMART-3D	300	115 VDC	60
SMART-5D	500	115 VDC	60
SMART-10D	1000	115 VDC	205
SMART-15D	1500	115 VDC	215
SMART-20D	2000	230 VDC	280
SMART-30D	3000	230 VDC	300
SMART-50D	5000	230 VDC	325
SMART-75D	7500	230 VDC	410
SMART-100D	10,000	230 VDC	440

Input voltages: 208/230/240/380/440/480 VAC, 50/60 Hz.
Please specify AC Voltage when ordering