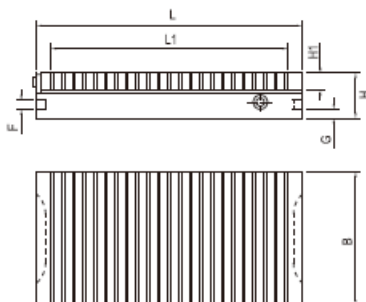


PERMANENT MAGNETIC MICROPITCH CHUCK – FP NEO



Part Number	Dimensions (mm)						Weight Kg
	L	L1	B	H	F	G	
2001/01/13070	130	101	70	49	10	10	4
2001/01/150150	150	108	150	51	10	10	9
2001/01/175100	175	145	100	49	10	10	7
2001/01/250130	250	220	130	49	10	10	12
2001/01/250150	250	220	150	51	10	10	15
2001/01/300150	300	257	150	51	10	10	18
2001/01/350150	350	305	150	51	10	10	21
2001/01/400150	400	357	150	51	10	10	24
2001/01/450150	450	407	150	51	10	10	27
2001/01/400200	400	357	200	51	10	10	32
2001/01/450200	450	407	200	51	10	10	36
2001/01/500200	500	455	200	51	10	10	40
2001/01/600200	600	535	200	51	10	10	48
2001/01/350250	350	305	250	56	10	10	38
2001/01/500250	500	435	250	56	10	10	55
2001/01/400300	400	357	300	56	10	10	52
2001/01/500300	500	455	300	56	10	10	66
2001/01/600300	600	535	300	56	10	10	79

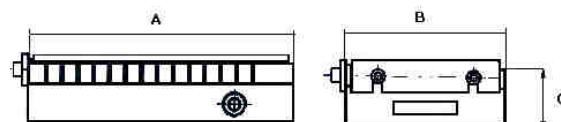
Other dimensions on request.

Use : Grinding, EDM of small and thin workpieces. Holds also large workpieces as well.

Features :

- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Neodymium magnetic system generating 30% higher force compared to other micropitch chucks.
- Waterproof design.
- High precision and low remaining magnetism.
- Uniform magnet force distribution over the entire working area.
- Clamping force up to 120 N/cm²

PERMANENT MAGNETIC CHUCK FOR MILLING – MAXMILL



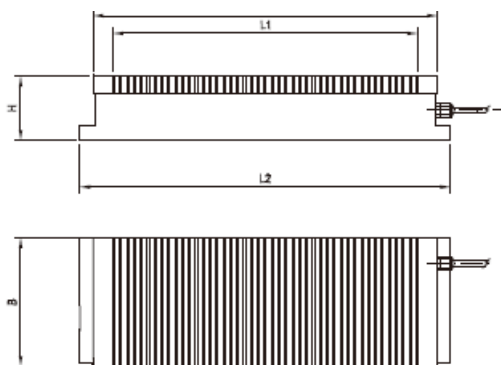
Dimensions (mm)				
Part Number	A	B	C	Weight Kg
2001/30/250150	250	150	60	17
2001/30/300150	300	150	60	20
2001/30/350150	350	150	60	24
2001/30/450150	450	150	60	31
2001/30/300200	300	200	60	29
2001/30/400200	400	200	60	37
2001/30/450200	450	200	60	41
2001/30/500200	500	200	60	46
2001/30/600200	600	200	60	55
2001/30/300250	300	250	60	35
2001/30/350250	350	250	60	41
2001/30/400250	400	250	60	47
2001/30/450250	450	250	60	52
2001/30/300300	300	300	60	39
2001/30/400300	400	300	60	52
2001/30/500300	500	300	60	65
2001/30/600300	600	300	60	80
2001/30/400400	400	400	60	71

Use : Heavy machining operation on medium to large workpieces.

Features :

- Pole pitch : 15 mm (11 mm steel + 4 mm brass)
- Exceptionally strong neodymium magnetic system.
- Waterproof design.
- High precision and low remaining magnetism.
- Uniform magnet force distribution over the entire working area.
- Clamping force up to 150 N/cm²

ELECTROMAGNETIC MICROPITCH CHUCK - EME



Part Number	Dimensions (mm)					Amp	Weight Kg
	L	B	H	L1	L2		
2011/09/250150	250	150	75	217	270	0,72	19
2011/09/300150	300	150	75	267	320	0,64	23
2011/09/350150	350	150	75	317	370	0,80	27
2011/09/400150	400	150	75	367	420	0,70	31
2011/09/450150	450	150	75	417	420	1,00	34
2001/09/400180	400	180	75	367	420	0,94	37
2011/09/400400	400	200	75	367	420	1,00	41
2011/09/450200	450	200	75	417	470	1,10	46
2011/09/500200	500	200	75	467	520	1,30	51
2011/09/600200	600	200	75	567	620	1,10	61
2011/09/500250	500	250	75	547	520	1,70	64
2011/09/600250	600	250	75	567	620	1,90	77
2011/09/600300	600	300	75	567	620	1,90	94
2011/09/800400	800	400	75	745	820	2,80	171
2011/09/800500	800	500	80	745	820	3,20	240

Use : Grinding of thin workpieces.

Features :

- Input voltage : 110 Vcc
- Pole pitch - steel + brass : 1 + 0.5 mm
- Minimum mechanical deformation thanks to solid one-piece housing.
- Low current with minimum power consumption.
- Low magnetic field height : 4 mm
- Clamping force up to 120 N/cm²

**ELECTROPERMANENT MAGNETIC CHUCK 640 X 360 mm
WITH 50 X 50 mm SQUARE POLES**

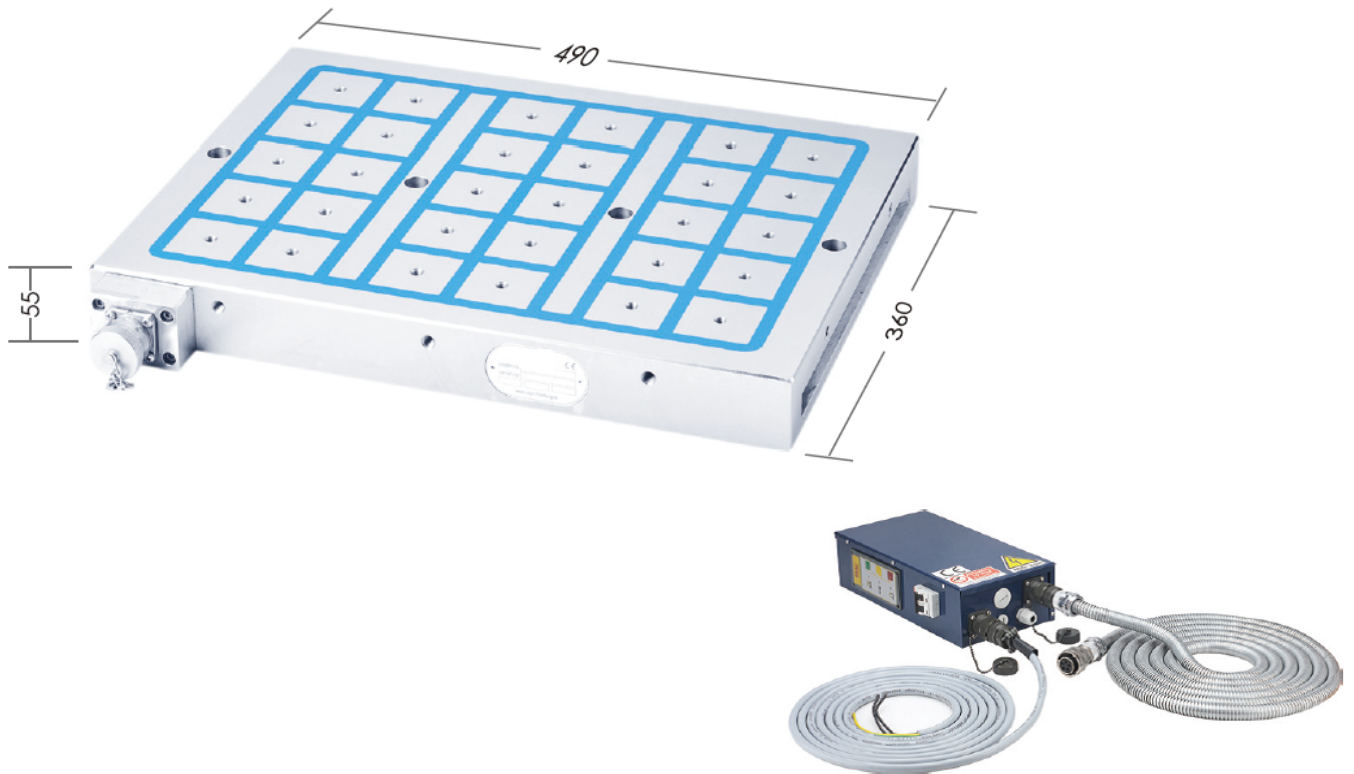


Use : Heavy milling of medium size workpieces

Features :

- Square pole size 50 x 50 mm, number of poles : 40.
- Magnetic force higher than 350 kg per pole.
- Minimum mechanical deformation thanks to solid one-piece housing.
- Distortion-free clamping with auto-shim pole extensions, without stray magnetic fields and no magnetization of the tool.
- Workpiece larger than the table size are machinable.
- Electropermanent technology with no deformation owing to the rise of temperature (Failsafe Electro-permanent technology – maintains hold even if power is cut).
- Supplied with special electronic control box (400 Vac input voltage) with control panel on front panel and connecting cables.
- Weight : 95 Kg.

**ELECTROPERMANENT MAGNETIC CHUCK 490 X 360 mm
WITH 50 X 50 mm SQUARE POLES**

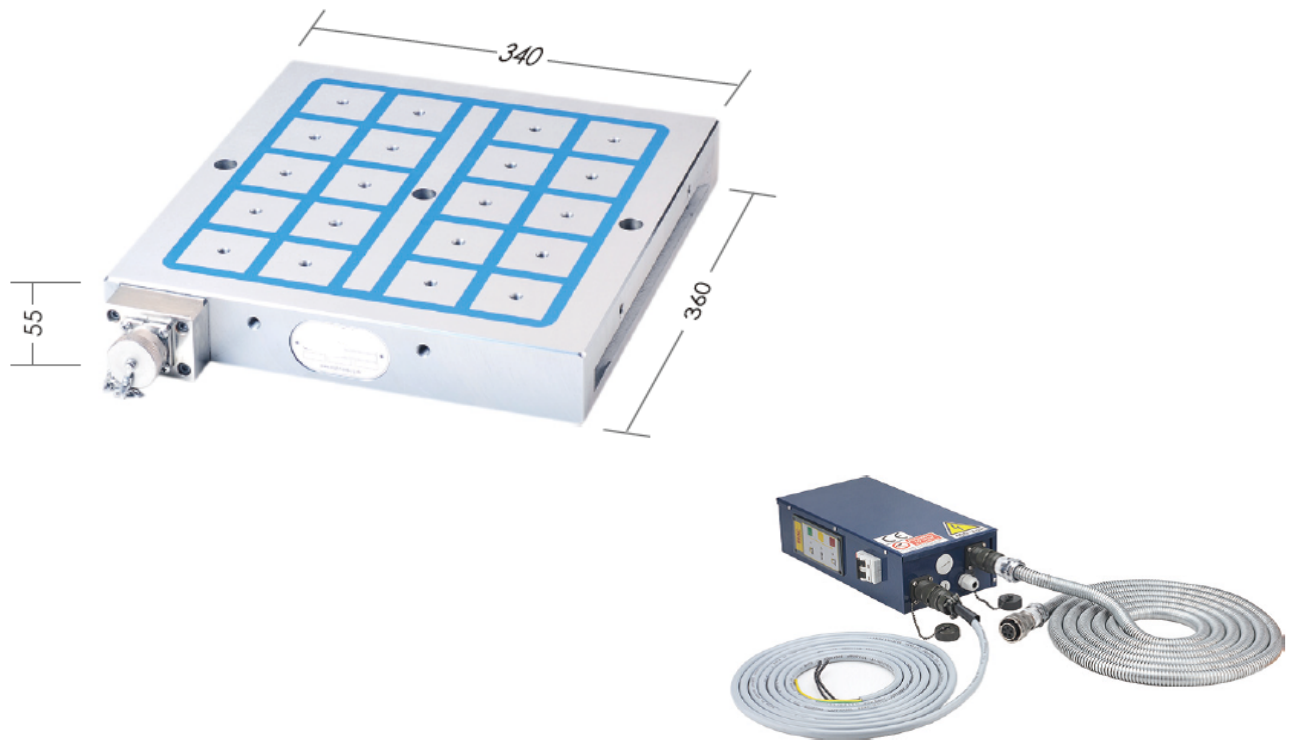


Use : Heavy milling of medium size workpieces

Features :

- Square pole size 50 x 50 mm, number of poles : 30
- Magnetic force higher than 350 kg per pole.
- Minimum mechanical deformation thanks to solid one-piece housing.
- Distortion-free clamping with auto-shim pole extensions, without stray magnetic fields and no magnetization of the tool.
- Workpiece larger than the table size are machinable.
- Electropermanent technology with no deformation owing to the rise of temperature (Failsafe Electro-permanent technology – maintains hold even if power is cut).
- Supplied with electronic control box with control panel on front panel (400 Vac input voltage)
- Control box supplied with connecting cables.
- Weight : 72 Kg.

**ELECTROPERMANENT MAGNETIC CHUCK 340 X 360 mm
WITH 50 X 50 mm SQUARE POLES**

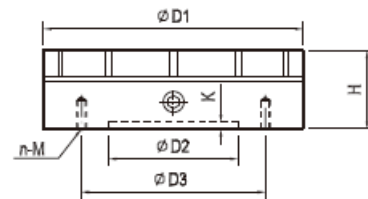


Use : Heavy milling of medium size workpieces

Features :

- Square pole size 50 x 50 mm, number of poles : 20
- Magnetic force higher than 350 kg per pole.
- Minimum mechanical deformation thanks to solid one-piece housing.
- Distortion-free clamping with auto-shim pole extensions, without stray magnetic fields and no magnetization of the tool.
- Workpiece larger than the table size are machinable.
- Electropermanent technology with no deformation owing to the rise of temperature (Failsafe Electro-permanent technology – maintains hold even if power is cut).
- Supplied with electronic control box with control panel on front panel (400 Vac input voltage)
- Control box supplied with connecting cables.
- Weight : 50 Kg.

CIRCULAR PERMANENT MAGNETIC CHUCK WITH RADIAL POLES – MPR-NR



Dimensions (mm)										
Part Number	D1	H	D2	D3	n	M	K	Ø ixP	No. Of poles	Weight Kg
2002/01/130NR	130	60	50	100	4	M6	4		10	6,0
2002/01/150NR	150	60	90	115	4	M8	4	16X20	10	8
2002/01/160NR	160	60	120	140	4	M8	4	16X20	12	10
2002/01/200NR	200	60	160	180	4	M8	4	16X20	12	14
2002/01/250NR	250	60	200	235	4	M10	4	16X20	12	23
2002/01/300NR	300	80	250	270	7	M12	4	25X20	14	43
2002/01/350NR	350	80	250	280	6	M12	4	25X20	16	59
2002/01/400NR	400	80	200	260/340	12	M10	6	25X20	20	78
2002/01/500NR	500	95	200	300/400	12	M10	8	25X20	24	146
2002/01/600NR	600	95	250	350/450	12	M10	8	25X20	30	210

Use : Turning and grinding of ring-shaped workpieces.

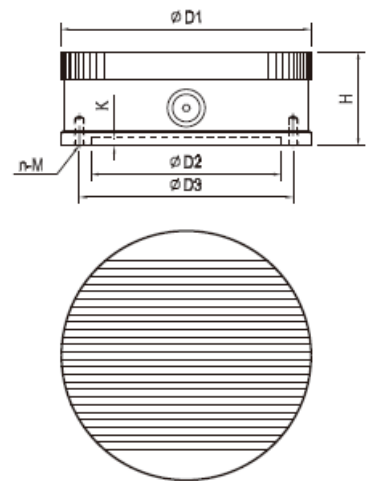
Features :

- Radial pole configuration concentrates the entire magnetism of the chuck into the workpiece.
- Concentric grooves for easy centering.
- Adjustable magnetic clamping force with removable Allen key.
- Symmetrical design allowing high turning speeds.
- Ø ixP shows max allowable drilling dimensions of centering hole.
- Clamping force up to 140 N/cm²

CIRCULAR PERMANENT MAGNETIC CHUCK – MPP-N



Part Number	Dimensions (mm)							Weight kg
	ØD1	H	ØD2	ØD3	n	M	K	
2002/09/150	150	80	110	135	4	8	5	6
2002/09/160	160	80	120	145	4	8	5	9
2002/09/200	200	80	150	182	4	8	5	13
2002/09/250	250	80	200	230	4	8	5	20
2002/09/300	300	85	250	280	6	8	5	29
2002/09/350	350	85	300	330	6	12	5	40
2002/09/400	400	100	320	380	6	12	5	59
2002/09/450	450	100	350	420	6	12	5	70
2002/09/500	500	100	400	475	6	12	5	90

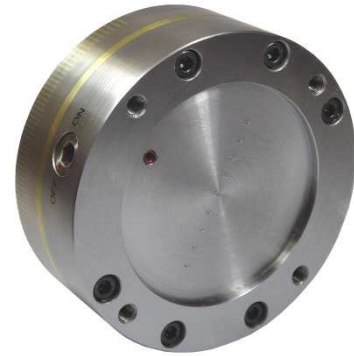


Use : Turning, grinding of medium-sized workpieces.

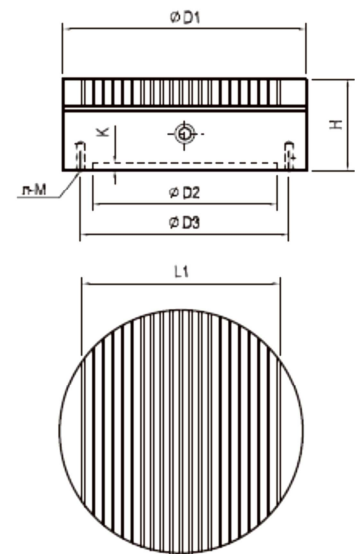
Features :

- Pole pitch 5 mm brass + 8 mm steel.
- Concentric grooves for easier centering of workpiece.
- Balanced for high RPM.
- Clamping force : 140 N/cm².

**CIRCULAR PERMANENT MAGNETIC CHUCK WITH
MICROPITCH POLES - MPP- FP**



Dimensions en mm									Poids en kg
Référence	D1	D2	D3	H	K	L1	M	n	
2002/05/60	60			50		46			1
2002/05/100	100	60	85	50	4	76	8	4	3
2002/05/130	130	90	115	50	4	100	8	4	5
2002/05/150	150	110	132	50	4	117	8	4	7
2002/05/160	160	120	140	52	4	129	10	4	8
2002/05/200	200	160	180	52	4	169	10	4	12
2002/05/250	250	200	230	52	4	213	10	4	19
2002/05/300	300	250	280	54	4	265	10	4	28
2002/05/400	400	320	360	58	6	360	12	4	57
2002/05/600	600	500	540	62	6	553	12	5	137



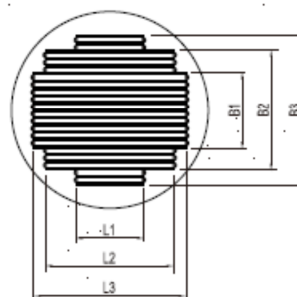
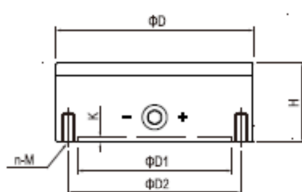
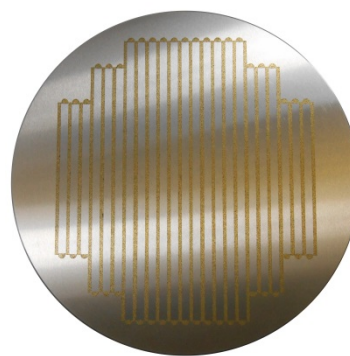
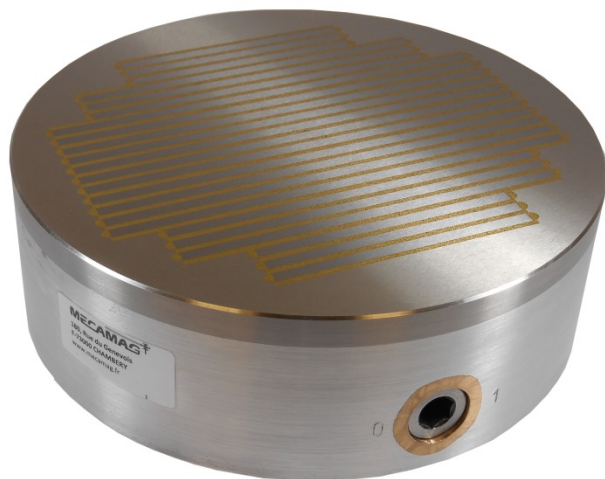
Other dimensions on request.

Use : Grinding, EDM of small and thin workpieces.

Features :

- Pole pitch : 2 m : 1.5 mm steel + 0.5 mm brass
- Low height and light weight
- Clamping force up to 120 N/cm²

CIRCULAR PERMANENT MAGNETIC CHUCK WITH HIGH CLAMPING FORCE- MRN



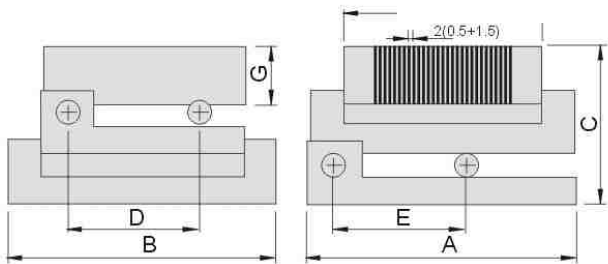
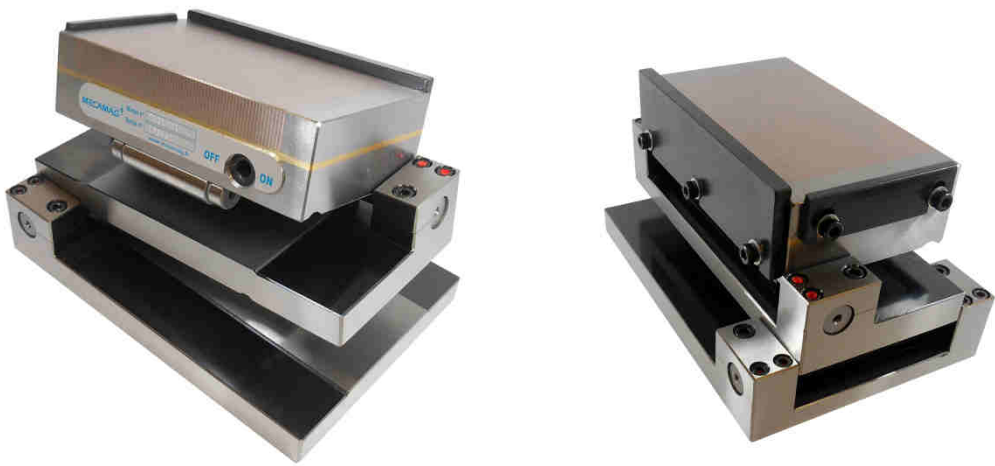
Dimensions (mm)														
Part Number	ØD	H	L1	L2	L3	B1	B2	B3	ØD1	ØD2	n	M	K	Weight Kg
2002/06/100	100	65	48	-	-	74	-	-	70	90	4	6	4	2,2
2002/06/125	125	65	54	88	-	67	98	-	95	110	4	8	4	3,4
2002/06/160	160	65	54	104	124	62	98	122	125	140	4	10	4	5,6
2002/06/180	180	65	64	104	124	62	98	134	125	160	4	10	4	7,1
2002/06/200	200	65	74	104	134	73	110	158	125	180	4	10	4	8,7

Use : Clamping of workpieces that are particularly difficult to clamp, such as ferritic and hard metals containing cobalt as well as very small workpieces.

Features :

- Aluminium housing / tool steel pole plate.
- Very high clamping force thanks to neodymium-iron-boron magnets.
- High precision and low remaining magnetism.
- Pole pitch : 6 mm
- Magnetic field height : 4mm
- Pole plate max wear : 3 mm
- Clamping force up to 180 N/cm²

COMPOUND SINE PLATE WITH MAGNETIC CHUCK – FPDI - INCH



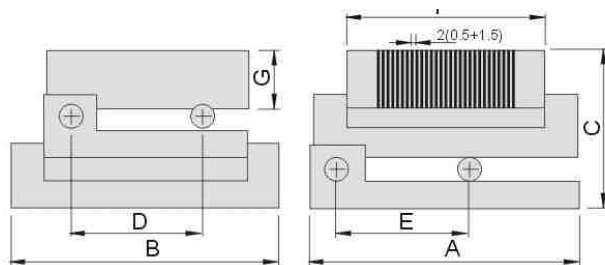
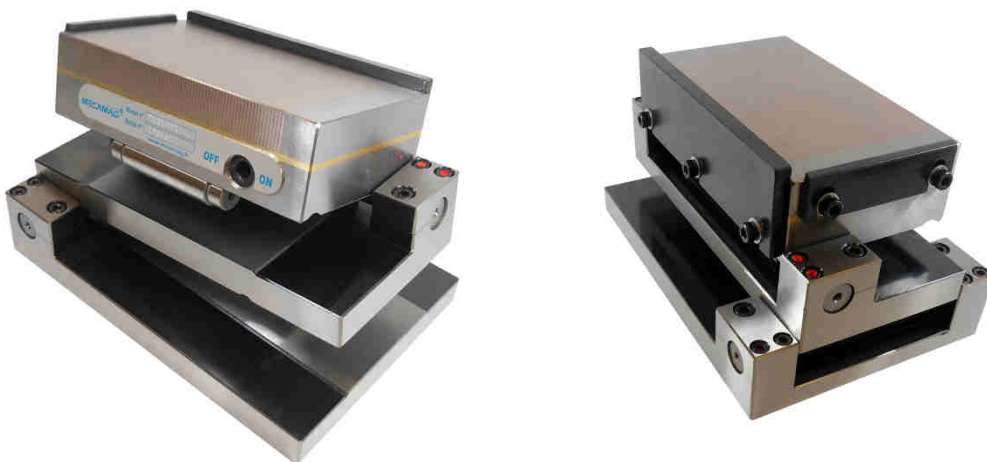
Part Number	Chuck size	Dimensions (inches)							Weight Kg
		A	B	C	D	E	F	G	
2031/11/5X3/INCH	5 X 3	7	4,8	4,2	2	3	5	1,58	10
2031/11/7X4/INCH	7 X 4	9	6	4,8	3	5	7	1,85	16
2031/11/6X6/INCH	6 X 6	8	8	4,8	5	5	6	1,85	21
2031/11/10X5/INCH	10 X 5	12	7	4,8	4	10	10	1,85	28

Use : Grinding, EDM.

Features :

- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Hardened precision ground base.
- High rigidity, waterproof design.
- Parallelism within 0.0001"
- Center distance of rolls within 0.0002"
- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Adjustable angle 0-60°
- Gauge block at 0° : 0 mm
- Clamping force : 100 N/cm²
- **ALSO AVAILABLE IN METRIC DIMENSIONS**

COMPOUND SINE PLATE WITH MAGNETIC CHUCK - FPMI



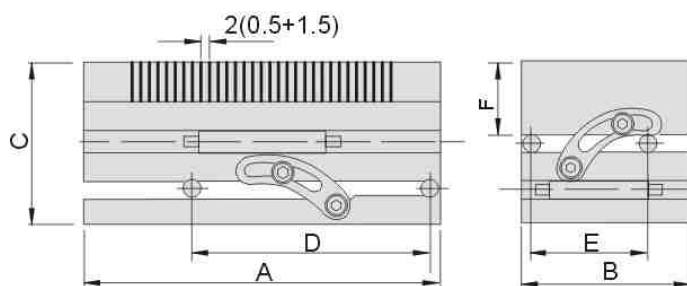
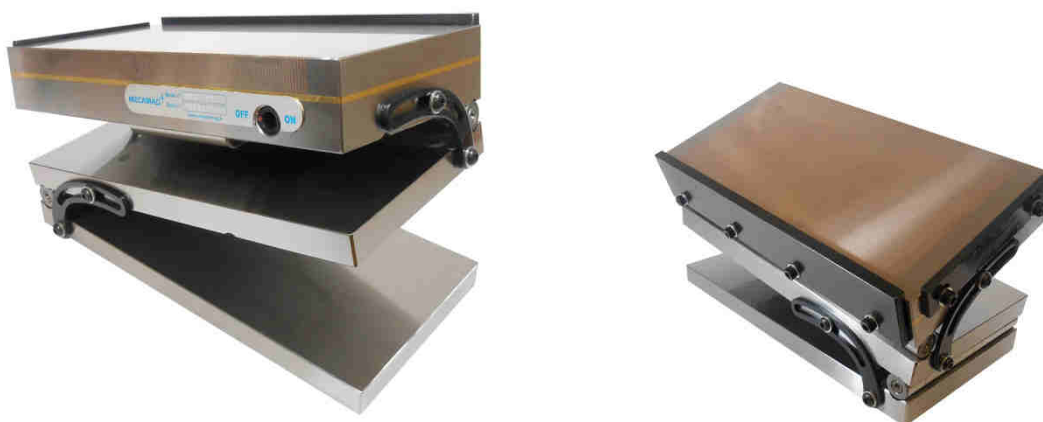
Part Number	Chuck size	Dimensions (mm)							Weight Kg
		A	B	C	D	E	F	G	
2031/11/13075	130 X 75	177	122	107,7	50	100	130	40	10
2031/11/175100	175 X 100	225	150	121	75	150	175	47	16
2031/11/150150	150 X 150	200	200	121	100	150	150	47	21
2031/11/250125	250 X 125	300	175	121	100	200	250	47	28

Use : Grinding, EDM.

Features :

- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Hardened precision ground base.
- High rigidity, waterproof design.
- Parallelism within 0.003mm/100 mm
- Center distance of rolls within 0.005 mm
- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Adjustable angle 0-60°
- Gauge block at 0° : 0 mm
- Clamping force : 100 N/cm²
- **ALSO AVAILABLE IN INCH DIMENSIONS**

COMPOUND SINE PLATE WITH MAGNETIC CHUCK - INCH



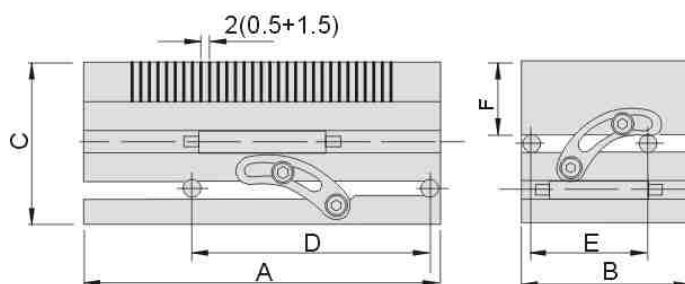
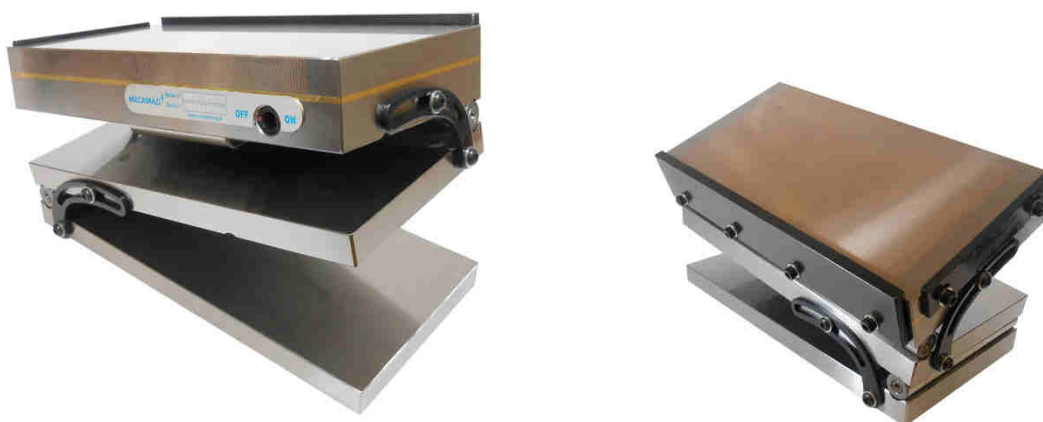
Dimensions (inch)							
Part Number	A	B	C	D	E	F	Weight Kg
2031/12/7X4/INCH	7	4	4,9	5	3	1,85	13,5
2031/12/6X6/INCH	6	6	4,9	5	5	1,85	16,8
2031/12/10X5/INCH	10	5	4,9	8	4	1,85	23,4
2031/12/12X6/INCH	2	6	4,9	10	5	1,85	33,1

Use : Grinding, EDM of thin workpieces.

Features :

- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Hardened precision ground base.
- Waterproof design.
- Parallelism within 0.0001"
- Center distance of rolls within 0.0002"
- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Adjustable angle 0-60°
- Gauge block at 0° : 0 mm
- Clamping force : 100 N/cm²
- **ALSO AVAILABLE IN METRIC DIMENSIONS**

COMPOUND SINE PLATE WITH MAGNETIC CHUCK - ECO



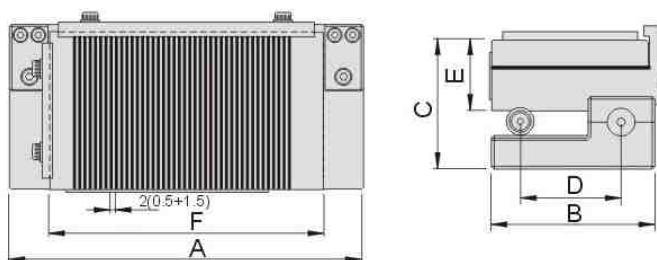
Dimensions (mm)							
Part Number	A	B	C	D	E	F	Weight Kg
2031/12/175100	175	100	123,7	100	75	47	13,5
2031/12/150150	150	150	123,7	100	100	47	16,8
2031/12/250125	250	125	123,7	200	100	47	23,4
2031/12/300150	300	150	123,7	200	100	47	33,1

Use : Grinding, EDM of thin workpieces.

Features :

- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Hardened precision ground base.
- Waterproof design.
- Parallelism within 0.003mm/100 mm
- Center distance of rolls within 0.005 mm
- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Adjustable angle 0-60°
- Gauge block at 0° : 0 mm
- Clamping force : 100 N/cm²
- **ALSO AVAILABLE IN INCH DIMENSIONS**

SINE PLATE WITH MAGNETIC CHUCK - FPSI INCH



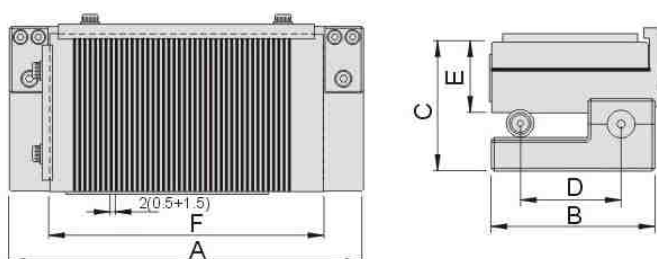
Dimensions (inches)							Weight Kg
Part Number	A	B	C	D	E	F	
2031/01/5X3/INCH	7	3	2,9	2	1,58	5	7
2031/01/7X4/INCH	9	4	3,3	3	1,85	7	11
2031/01/6X6/INCH	8	6	3,3	5	1,85	6	15
2031/01/10X5/INCH	12	5	3,3	4	1,85	10	20
2031/01/12X4/INCH	14	4	3,3	3	1,85	12	20
2031/01/12X6/INCH	14	6	3,3	5	1,85	12	28

Use : Grinding, EDM of thin workpieces.

Features :

- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Hardened precision ground base.
- High rigidity, waterproof design.
- Parallelism within 0.0001"
- Center distance of rolls within 0.0002"
- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Adjustable angle 0-60°
- Gauge block at 0° : 0 mm
- Clamping force : 100 N/cm²
- **ALSO AVAILABLE IN METRIC DIMENSIONS**

SINE PLATE WITH MAGNETIC CHUCK - FPSI



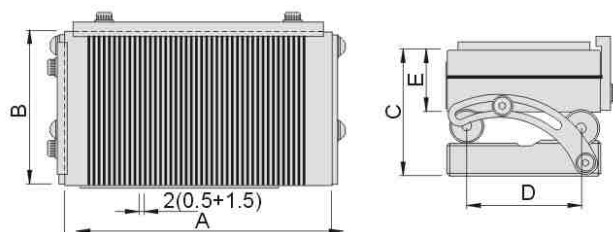
Dimensions (mm)							
Part Number	A	B	C	D	E	F	Weight Kg
2031/01/13075	177	75	74	50	40	130	7
2031/01/175100	225	102	84	75	47	175	11
2031/01/150150	200	152	84	100	47	150	15
2031/01/250130	300	127	84	100	47	250	20
2031/01/300100	350	102	84	75	47	300	20
2031/01/300150	350	152	84	100	47	300	28

Use : Grinding, EDM of thin workpieces.

Features :

- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Hardened precision ground base.
- High rigidity, waterproof design.
- Parallelism within 0.003mm/100 mm
- Center distance of rolls within 0.005 mm
- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Adjustable angle 0-60°
- Gauge block at 0° : 0 mm
- Clamping force : 100 N/cm²
- **ALSO AVAILABLE IN INCH DIMENSIONS**

SINE PLATE WITH MAGNETIC CHUCK – ECO - INCH



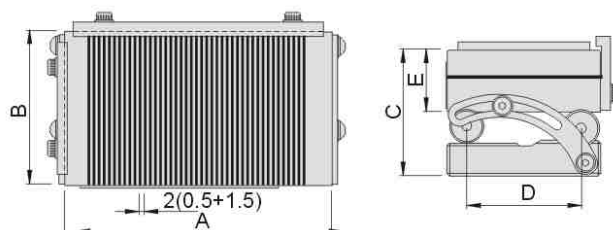
Dimension (inches)						
Part Number	A	B	C at 0°	D	E	Weight Kg
2031/06/7x4/INCH	7	4	3,4	3	1,85	10
2031/06/6X6/INCH	6	6	3,4	5	1,85	13
2031/06/10X5/INCH	10	5	3,4	4	1,85	18
2031/06/12X6/INCH	12	6	3,4	5	1,85	27

Use : Grinding, EDM of thin workpieces.

Features :

- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Hardened precision ground base.
- Waterproof design.
- Parallelism within 0.0001"
- Center distance of rolls within 0.0002"
- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Adjustable angle 0-60°
- Gauge block at 0° : 0 "
- Clamping force : 100 N/cm²
- **ALSO AVAILABLE IN METRIC DIMENSIONS**

SINE PLATE WITH MAGNETIC CHUCK - ECO



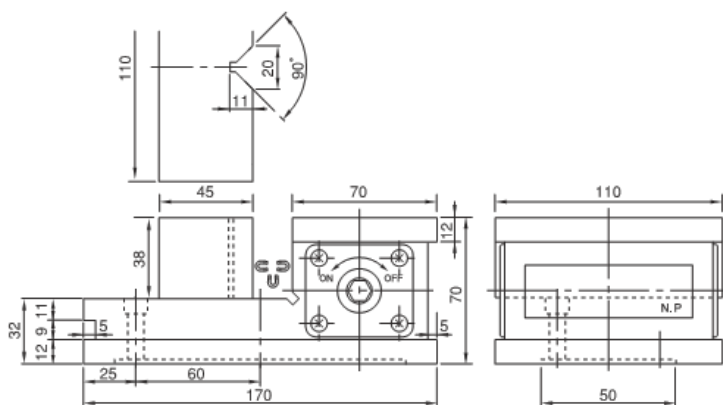
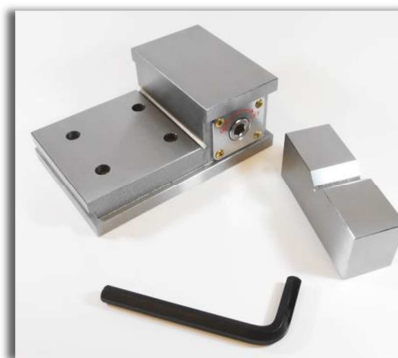
Dimension (mm)						Weight Kg
Part Number	A	B	C at 0°	D	E	
2031/06/175100	175	100	85,4	75	47	10
2031/06/150150	150	150	85,4	100	47	13
2031/06/250125	250	125	85,4	100	47	18
2031/06/300150	300	150	85,4	100	47	27

Use : Grinding, EDM of thin workpieces.

Features :

- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Hardened precision ground base.
- Waterproof design.
- Parallelism within 0.003 mm/100 mm
- Center distance of rolls within 0.005 mm
- Pole pitch : 2 mm (1.5mm steel + 0.5 mm brass)
- Adjustable angle 0-60°
- Gauge block at 0° : 0 mm
- Clamping force : 100 N/cm²
- **ALSO AVAILABLE IN INCH DIMENSIONS**

MAGNETIC VISE – EM110



Dimensions (mm)				
Part Number	Length	Width	Height	Weight kg
1002/20/110	170	110	70	7,3

Use : Clamping of irregular shaped or tapered workpieces.

Features :

- The force to secure the workpiece is produced by magnetic power only. Thus, unlike mechanical clamping, no undue force is applied. (Nonmagnetic workpiece cannot be held).
- The select handle can be operated from both sides.
- Can be installed on magnetic chuck on a machine.
- Magnetic force : side slip resistance is 575 N (57.5 Kg) for iron square bar of 30 x 30 x 130 mm and 480 N (48 Kg) for iron round bar of \varnothing 30 x 130 mm.

CONTROL UNIT – POWER SUPPLY - 110 VDC



Part Number	Dimensions (mm)				
	Power W	Power regulation	L	I	H
2000/00/125/230-110	125	NO	330	185	140
2000/00/250/230-110	250	NO	330	185	140
2000/00/400/230-110	400	NO	330	185	140
2000/00/125REG/230-110	125	YES	330	185	140
2000/00/250REG/230-110	250	YES	330	185	140
2000/00/400REG/230-110	400	YES	330	185	140
2000/00/1500REG/230-110	1500	YES	390	240	120

Use : Power supply for electromagnetic chucks and electromagnets.

Exécution :

- Input voltage : 220-240 Vac / 50-60Hz
- Output voltage : 110 VDC
- Max temp : 45°C
- Metal housing.
- Remote control with 5 m wire cable.
- Other voltage on request.