

Widest Range of Machine Tool Accessories

TOOLFAST



WORKHOLDERS, CLAMPING ELEMENTS
DIE AND MOULD CLAMPS, TOGGLE CLAMPS



PNEUMATIC & HYDRAULIC CLAMPS
MILLING & GRINDING ACCESSORIES

GIN



MILLING, GRINDING &
MC ACCESSORIES

MITEEBITE PRODUCTS INC.

Made in U.S.A.



FIXTURE CLAMPS



GERARDI

Made in Italy

MODULAR VICES, 5-AXIS VICES
DRIVEN TOOL, ANGLE HEADS

SOGGO



TOOL HOLDERS, DRILLING,
MILLING & CNC ACCESSORIES,
TOOL GRINDING MACHINES

ABBOTT TOOLFAST PVT. LTD.
www.toolfastclamps.com

ALL PRODUCTS CATALOGUE 2022

This catalogue has all the products that Abbott Toolfast offers with minor essential details.
For more details you may contact us for detailed catalogues or visit company websites.

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TOOLFAST is a registered trade mark of our company and all TOOLFAST products are manufactured by us. Other products illustrated in this catalogue are all world renowned products marketed by us in India.

UNIVERSAL STRAP CLAMP

For power presses, milling, drilling, shaping and boring. Supplied complete with T-Bolt, Nut etc.

MODEL	SUITABLE FOR T-SLOT SIZE	CLAMPING RANGE
USC-12(a)	12	0-60
USC-12(b)	14	0-60
USC-16(a)	16	0-80
USC-16(b)	18	0-80
USC-20(a)	20	0-100
USC-20(b)	22	0-100
USC-24(a)	24	0-120
USC-24(b)	28	0-120



MOULD CLAMP

For mould clamping on plastic injection moulding & pressure die casting machines. Supplied complete with T-Bolt or Stud and Nut etc.

MOULD CLAMP - WITH CLAMPING STUD

MODEL	DIA x PITCH x LENGTH	CLAMPING HEIGHT RANGE
MC-12	STUD M-12 x 1.75 x 100	0-35
MC-16	STUD M-16 x 2.0 x 125	0-40
MC-20	STUD M-20 x 2.5 x 175	0-50
MC-24	STUD M-24 x 3.0 x 200	0-60



MOULD CLAMP - WITH T-BOLT

MODEL	SUITABLE FOR T-SLOT SIZE	CLAMPING HEIGHT RANGE
MC-12(a)	12	0-35
MC-12(b)	14	0-35
MC-16(a)	16	0-40
MC-16(b)	18	0-40
MC-20(a)	20	0-50
MC-20(b)	22	0-50
MC-24(a)	24	0-60
MC-24(b)	28	0-60



MOULD CLAMP - FORGED

'TOOLFAST' mould clamp is now available in forged steel body for extra strength.

MOULD CLAMP - WITH CLAMPING STUD

MODEL	DIA x PITCH x LENGTH	CLAMPING HEIGHT RANGE
MCF-12	STUD M-12 x 1.75 x 100	0-35
MCF-16	STUD M-16 x 2.0 x 125	0-50
MCF-20	STUD M-20 x 2.5 x 175	0-65
MCF-24	STUD M-24 x 3.0 x 200	0-75



MOULD CLAMP - WITH T-BOLT

MODEL	SUITABLE FOR T-SLOT SIZE	CLAMPING HEIGHT RANGE
MCF-12(a)	12	0-35
MCF-12(b)	14	0-35
MCF-16(a)	16	0-50
MCF-16(b)	18	0-50
MCF-20(a)	20	0-65
MCF-20(b)	22	0-65
MCF-24(a)	24	0-75
MCF-24(b)	28	0-75



TAPPED END CLAMP WITH ADJUSTABLE SUPPORT

For mould clamping on plastic injection moulding & pressure die casting machines. Supplied only with threaded support.

MODEL	SUITABLE FOR BOLT	LENGTH
TTUC-12	M-12	110
TTUC-16	M-16	125
TTUC-20	M-20	160
TTUC-24	M-24	200



FORGED STRAP CLAMP WITH TAPPED END Forged, Hardened & Tempered

Most suitable for mould clamping on Plastic Injection Moulding Machine.

MODEL	SUITABLE FOR BOLT	TOTAL LENGTH	TAPPED END
TTFC-16	M-16	152	M-16



Also available as Model TTFC-16S with threaded support TS-16 (M-16X70 Long).

MCST SERIES MOULD CLAMP - SLIDER TYPE

'TOOLFAST' new MCST series clamp solves the problem where forward and backward sliding of clamps is required but there are no T-slots on the platen. This clamp is most ideal for light and medium duty moulds.

MODEL	Mounting Thread	Clamping Height Range
MCST-16	M-16	0-65



Also available MCST-16T for T-slot table clamping with T-nuts for different T-slot sizes-18,20,22,24 and 28 mm

COMPACT MILLING CLAMP

The most multi-purpose, quick and easy to use down-hold milling clamp.

MODEL	CLAMPING HEIGHT RANGE	SUITABLE FOR T-SLOT SIZE	CLAMPING FORCE
CMC-12	0-125	12	1600kgs.
CMC-14	0-125	14	1600kgs.
CMC-16	0-125	16	1600kgs.
CMC-18	0-125	18	1600kgs.



HEIGHT BLOCK FOR CMC CLAMP :

By stacking one height block over another and a CMC clamp at the top can enable clamping of any height of workpiece. Each height block model HN-CMC-75 increases clamping height range by 75 mm.

Height Block HB-CMC-75

LOW HEIGHT PINCH CLAMP

For side clamping on VMC, milling, shaping, planning, jig boring etc.

MODEL	SUITABLE FOR T-SLOT SIZE	CLAMP THICKNESS	TOTAL LENGTH
PC-1(a)	12	15	115
PC-1(b)	14	15	115
PC-2	16	18	145
PC-3	18	18	145
PC-4(a)	20	24	180
PC-4(b)	22	24	180
PC-5(a)	24	24	180
PC-5(b)	28	24	180



HEAVY DUTY PINCH CLAMP

For side clamping of thicker plates on VMC, milling, planning, plano-milling etc.

MODEL	SUITABLE FOR T-SLOT SIZE	CLAMP THICKNESS	TOTAL LENGTH
HDPC-1(a)	18	38	185
HDPC-1(b)	20	38	185
HDPC-2(a)	22	38	185
HDPC-2(b)	24	38	185
HDPC-3	28	38	185



STOP FOR PINCH CLAMPS

Stop or Stopper block to be mounted on the opposite side of workpiece while clamping with PC Series or HDPC series pinch clamps.

MODEL	SUITABLE FOR PINCH CLAMP MODEL	THICKNESS	TOTAL LENGTH
ST-PC-1A	PC-1(a)	15	55
ST-PC-1B	PC-1(b)	15	55
ST-PC-2	PC-2	18	66
ST-PC-3	PC-3	18	66
ST-PC-4A	PC-4(a)	24	95
ST-PC-4B	PC-4(b)	24	95
ST-PC-5A	PC-5(a)	24	95
ST-PC-5B	PC-5(b)	24	95
ST-HDPC-1A	HDPC-1(a)	38	95
ST-HDPC-1B	HDPC-1(b)	38	95
ST-HDPC-2A	HDPC-2(a)	38	95
ST-HDPC-2B	HDPC-2(b)	38	95
ST-HDPC-3	HDPC-3	38	95



LOW HEIGHT PINCH CLAMP AND STOP WITH STEP

This is a new version of low height pinch clamp (PC Series) having step to support the workpiece above the machine table for through milling and drilling.

MODE	SUITABLE FOR T-SLOT SIZE
PCS-1A	12
PCS-1B	14
PCS-2	16
PCS-3	18



MINI PINCH CLAMP

For side clamping of thin plates on VMC, milling, shaping & planning.

MODEL	SUITABLE FOR T-SLOT SIZE
MPC-1	14
MPC-2	16
MPC-3	18



LEVELLING JACKS & HEIGHT BLOCKS

LEVELLING JACK

MODEL	MIN. HEIGHT	MAX. HEIGHT	TYPE OF TOP FACE	SCREW THREAD	MAX. LOAD TONS
LJ-1(a)	75	100	FLAT 38Ø	M-24	5.0
LJ-1(b)	100	150	FLAT 38Ø	M-24	5.0
LJ-2	120	170	CONICAL	M-24	5.0
LJ-3	105	155	"V"	M-24	5.0



HEIGHT BLOCK FOR LEVELLING JACK

MODEL	EFFECTIVE HEIGHT INCREASE WITH ONE HEIGHT BLOCK
HBLJ-75	75

LEVELLING JACK - HEAVY DUTY

MODEL	MIN. HEIGHT	MAX. HEIGHT	TYPE OF TOP FACE	SCREW THREAD	MAX. LOAD TONS
LJ-HD	160	230	FLAT 50Ø	32Ø	8.0

HIGHT BLOCK FOR LEVELLING JACK - HEAVY DUTY

MODEL	EFFECTIVE HEIGHT INCREASE WITH ONE HEIGHT BLOCK
HBLJ-HD-75	75



LEVELLING JACK - HEAVY DUTY FLANGE MOUNTING

MODEL	MIN. HEIGHT	MAX. HEIGHT	TYPE OF TOP FACE	SCREW THREAD	MAX. LOAD TONS
LJ-HD-FB	160	230	FLAT 50Ø	32Ø	8.0



SCREW JACK - SMALL

MODEL	MIN. HEIGHT	MAX. HEIGHT	TYPE OF TOP FACE	SCREW THREAD	MAX. LOAD TONS
SJ-50S	40	50	Flat	M-24	5
SJ-70S	50	70	Flat	M-24	5



SCREW JACK - HEAVY DUTY

MODEL	MIN. HEIGHT	MAX. HEIGHT	TYPE OF TOP FACE	SCREW THREAD	MAX. LOAD TONS
SJ-HD-1	250	400	FLAT 75Ø	40Ø	25
SJ-HD-2	380	660	FLAT 75Ø	40Ø	25



STEP BLOCKS

For clamp support.

STEP BLOCK

MODEL	WIDTH	HEIGHT ADJUSTMENT	
		MINIMUM	MAXIMUM
TSB-1L	24	20	44
TSB-2L	24	40	100
TSB-3L	24	60	155
TSB-1	30	20	44
TSB-2	30	40	100
TSB-3	30	60	155



STEP BLOCK - HEAVY DUTY

MODEL	WIDTH	HEIGHT ADJUSTMENT	
		MINIMUM	MAXIMUM
THSB-5	48	40	100
THSB-6	48	72	180

ADJUSTABLE SUPPORT PLATES

MODEL	MAXIMUM HEIGHT	CLAMP REST AREA	PLATE THICKNESS
TASP-250	50	25 X 35	2
TASP-2100	100	25 X 35	2
TASP-2150	150	25 X 35	2
TASP-L-250	50	35 X 50	2
TASP-L-2100	100	35 X 50	2
TASP-L-2150	150	35 X 50	2



THREADED SUPPORT FOR TAPPED END CLAMPS

MODEL	DIA AT BOTTOM	THREAD SIZE	OVERALL LENGTH
TS-12	30	M-12 x 1.75 P	60
TS-16	35	M-16 x 2.0 P	70
TS-20	40	M-20 x 2.5 P	80
TS-24	50	M-24 x 3.0 P	85



STRAP CLAMP Hardened & tempered, Black Finish

based on IS:4292

MODEL	SUITABLE FOR BOLT	LENGTH
TSC-8-60	M-8	60
TSC-10-80	M-10	80
TSC-12-100	M-12	100
TSC-12-125	M-12	125
TSC-14-125	M-14	125
TSC-16-125	M-16	125
TSC-16-160	M-16	160
TSC-20-160	M-20	160
TSC-20-200	M-20	200
TSC-24-200	M-24	200
TSC-24-250	M-24	250
TSC-30-250	M-30	250



STRAP CLAMP - FORGED BODY

Hardened & tempered, tapped end.

MODEL	SUITABLE FOR BOLT	TOTAL LENGTH
TSCF-12	M-12	120
TSCF-16	M-16	140
TSCF-20	M-20	180
TSCF-24	M-24	220



PLAIN CLAMP Hardened & Tempered

These are economy models of strap clamps. Can be used where simple shape of a plain strap can serve the purpose.

MODEL	SUITABLE FOR BOLT	TOTAL LENGTH
TES-12	M-12	70
TES-16	M-16	90



STEPPED STRAP CLAMP Hardened & Tempered, Black Finish

To be used with step block.

MODEL	SUITABLE FOR BOLT	LENGTH
TSSC-10-60	M-10	60
TSSC-10-80	M-10	80
TSSC-10-120	M-10	120
TSSC-12-65	M-12	65
TSSC-12-100	M-12	100
TSSC-12-125	M-12	125
TSSC-16-75	M-16	75
TSSC-16-125	M-16	125
TSSC-16-160	M-16	160
TSSC-20-160	M-20	160
TSSC-24-200	M-24	200



GOOSE NECK CLAMP- FORGED - TAPPED END

MODEL	SUITABLE FOR BOLT	LENGTH
TGNCF-16	M-16	125
TGNCF-20	M-20	165
TGNCF-24	M-24	200



U - CLAMP Hardened & Tempered, black finish

based on IS:4293

MODEL	SUITABLE FOR BOLT	LENGTH
TUC-12-160	M-12	160
TUC-16-200	M-16	200
TUC-20-250	M-20	250
TUC-24-250	M-24	250



FINGER STRAP CLAMP Hardened & Tempered

MODEL	SUITABLE FOR BOLT	TOTAL LENGTH
TCF-16	M-16	152



CAM CLAMP Hold Down Type

Most ideal for quick Hold Down Clamping in fixtures. Conventional Strap Clamps in fixtures can be replaced by these quick acting Cam clamps without much effort. These clamps have high clamping force suitable for machining fixtures.

MODEL	CLAMPING BOLT	HOLDING CAPACITY
TCC-10	M-10	1400 Kgs.
TCC-12	M-12	2000 Kgs.



2D / 3D CAD files available on request

MANUFACTURED BY ABBOTT TOOLFAST PVT. LTD.

T- NUT Hardened & Tempered, Black Finish

based on IS:2015

MODEL	THREAD SIZE	SUITABLE FOR T-SLOT SIZE	SIZE S
TTN-10-8	M-8	10	15
TTN-12-10*	M-10	12	18
TTN-14-10	M-10	14	22
TTN-14-12*	M-12	14	22
TTN-16-12	M-12	16	25
TTN-16-14*	M-14	16	25
TTN-18-12	M-12	18	28
TTN-18-16*	M-16	18	28
TTN-20-16	M-16	20	32
TTN-22-16	M-16	22	35
TTN-22-20*	M-20	22	35
TTN-24-20	M-20	24	40
TTN-28-24	M-24	28	44
TTN-36-24	M-24	36	54
TTN-36-30	M-30	36	54



* marked models are not recommended for heavy duty use because of less wall thickness outside the threading.

CLAMPING STUD Hardend & Tempered, High Tensile Steel, Black Finish

For use with T-nuts.

MODEL	THREAD SIZE	TOTAL LENGTH	THREAD LENGTH
TCS-8-75	M-8	75	11 X 48
TCS-8-100		100	11 X 63
TCS-8-150		150	11 X 95
TCS-10-75	M-10	75	13 X 48
TCS-10-100		100	13 X 63
TCS-10-125		125	13 X 75
TCS-10-150		150	13 X 95
TCS-10-175		175	13 X 110
TCS-10-200		200	13 X 125
TCS-12-75	M-12	75	15 X 48
TCS-12-100		100	15 X 63
TCS-12-125		125	15 X 75
TCS-12-150		150	15 X 95
TCS-12-175		175	15 X 110
TCS-12-200		200	15 X 125
TCS-12-250		250	15 X 160
TCS-12-300		300	15 X 190
TCS-14-100	M-14	100	17 X 63
TCS-14-150		150	17 X 95
TCS-14-200		200	17 X 125
TCS-14-250		250	17 X 160
TCS-16-75	M-16	75	19 X 50
TCS-16-100		100	19 X 63
TCS-16-125		125	19 X 75
TCS-16-150		150	19 X 95
TCS-16-175		175	19 X 110
TCS-16-200		200	19 X 125
TCS-16-250		250	19 X 160
TCS-16-300		300	19 X 190
TCS-20-100	M-20	100	27 X 60
TCS-20-150		150	27 X 95
TCS-20-200		200	27 X 125
TCS-20-250		250	27 X 160
TCS-20-300		300	27 X 190
TCS-20-400		400	27 X 250
TCS-20-500		500	27 X 250
TCS-24-150	M-24	150	35 X 95
TCS-24-200		200	35 X 120
TCS-24-250		250	35 X 160
TCS-24-300		300	35 X 190
TCS-24-400		400	35 X 250
TCS-24-500		500	35 X 250
TCS-30-150	M-30	150	43 X 95
TCS-30-200		200	43 X 120
TCS-30-250		250	43 X 160
TCS-30-300		300	43 X 190
TCS-30-400		400	43 X 250
TCS-30-500		500	43 X 250


CLAMPING STUD Hardend & Tempered, High Tensile Steel, Black Finish

With hex key hole at top face for use on machine beds having tapped holes.

MODEL	THREAD SIZE	TOTAL LENGTH	THREAD LENGTH
TCSB-12-100	M-12	100	30 X 40
TCSB-12-125		125	30 X 50
TCSB-12-150		150	30 X 65
TCSB-12-175		175	30 X 80
TCSB-16-125	M-16	125	40 X 50
TCSB-16-150		150	40 X 65
TCSB-16-175		175	40 X 80
TCSB-16-200		200	40 X 100
TCSB-18-150	M-18	150	40 X 65
TCSB-18-175		175	40 X 80
TCSB-18-200		200	40 X 100
TCSB-20-150	M-20	150	50 X 60
TCSB-20-175		175	50 X 70
TCSB-20-200		200	50 X 80
TCSB-22-150	M-22	150	50 X 60
TCSB-22-175		175	50 X 70
TCSB-22-200		200	50 X 80
TCSB-24-175	M-24	175	60 X 70
TCSB-24-200		200	60 X 80
TCSB-24-225		225	60 X 90


T-BOLT Forged Head, Hardened & Tempered, High Tensile Steel, Black Finish

MODEL	SUITABLE FOR T-SLOT SIZE	SIZE E	THREAD SIZE	LENGTH L
TTB-1212-80	12	18	M12	80
TTB-1212-100				100
TTB-1212-160				160
TTB-1214-60	14	22	M12	60
TTB-1214-80				80
TTB-1214-100				100
TTB-1214-125				125
TTB-1214-160				160
TTB-1214-200				200
TTB-1616-80	16	25	M16	80
TTB-1616-130				130
TTB-1616-200				200
TTB-1618-80	18	28	M16	80
TTB-1618-100				100
TTB-1618-130				130
TTB-1618-160				160
TTB-1618-200				200
TTB-1618-250				250
TTB-1618-290				290
TTB-2020-110	20	32	M20	110
TTB-2020-150				150
TTB-2020-210				210
TTB-2022-110	22	35	M20	110
TTB-2022-150				150
TTB-2022-210				210
TTB-2022-285				285
TTB-2424-150	24	40	M24	150
TTB-2424-210				210
TTB-2428-110	28	44	M24	110
TTB-2428-150				150
TTB-2428-210				210
TTB-2428-250				250
TTB-2428-300				300
TTB-3036-200	36	54	M30	200
TTB-3036-250				250
TTB-3036-300				300


FLANGED NUT Forged, Hardened & Tempered, Black Finish

These nuts have flanged face for larger face contact with the surface to be tightened on

MODEL	THREAD SIZE	TOTAL LENGTH
TFN-10	M-10	15
TFN-12	M-12	18
TFN-14	M-14	22
TFN-16	M-16	24
TFN-20	M-20	30
TFN-24	M-24	36



EXTRA LONG NUT Hardened & Tempered, Black Finish

These nuts have longer life as they have more number of threads than ordinary nuts.

MODEL	THREAD SIZE	TOTAL LENGTH
TELN-8	M-8	12
TELN-10	M-10	15
TELN-12	M-12	18
TELN-14	M-14	21
TELN-16	M-16	24
TELN-18	M-18	27
TELN-20	M-20	30
TELN-22	M-22	32
TELN-24	M-24	36
TELN-30	M-30	45



EXTENSION NUT Hardened & Tempered, Black Finish

These nuts are used to couple the studs with studs or T-bolts in order to increase their length.

MODEL	THREAD SIZE	TOTAL LENGTH
TEN-8	M-8	24
TEN-10	M-10	30
TEN-12	M-12	36
TEN-14	M-14	42
TEN-16	M-16	48
TEN-20	M-20	60
TEN-24	M-24	72
TEN-30	M-30	90



PLAIN WASHER Case Hardened, Black Finish

based on IS : 4291

MODEL	SUITABLE FOR BOLT	THICKNESS	OUTSIDE DIA
TPW-8	M-8	4	23
TPW-10	M-10	4	28
TPW-12	M-12	5	35
TPW-14	M-14	6	40
TPW-16	M-16	7	45
TPW-18	M-18	7	48
TPW-20	M-20	7	48
TPW-22	M-22	8	48
TPW-24	M-24	9	60
TPW-30	M-30	11	70



C-WASHER Case Hardened, Ground Faces, Black Finish

based on IS : 4291

Knurled outside diameter for easy gripping while quick insertion or removal.

MODEL	SUITABLE FOR BOLT	THICKNESS	OUTSIDE DIA
TCW-10	M-10	9	40
TCW-12	M-12	9	48
TCW-14	M-14	11	63
TCW-16	M-16	11	63
TCW-20	M-20	11	80
TCW-24	M-24	11	100
TCW-30	M-30	14	100



CLAMPING KIT - 34 PIECE with adjustable support plates & strap clamps

Also Included T-Slot Cleaner **FREE**



MODEL	SUITABLE FOR T-SLOT SIZE	THREAD SIZE
TCK-34-1412	14	M-12
TCK-34-1612	16	M-12
TCK-34-1812	18	M-12

Consists of :

T-Nuts	: 4 nos.
Clamping Studs of four different lengths	: 4 nos. each
Flanged Nuts	: 4 nos.
Extension Nuts	: 2 nos.
Strap Clamps of two different lengths	: 2 nos. each
Adjustable Support Plates of two different sizes	: 2 nos. each

CLAMPING KIT - 58 PIECE with step blocks & stepped strap clamps

Also Included T-Slot Cleaner **FREE**

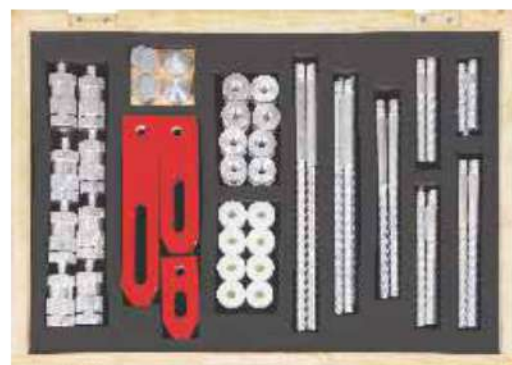


MODEL	SUITABLE FOR T-SLOT SIZE	THREAD SIZE	N.W. Kgs.
TCK-58-1210	12	M-10	9
TCK-58-1410	14	M-10	9
TCK-58-1412L	14	M-12	12
TCK-58-1412	14	M-12	13
TCK-58-1612L	16	M-12	12
TCK-58-1612	16	M-12	13
TCK-58-1812	18	M-12	13
TCK-58-1816	18	M-16	18
TCK-58-2016	20	M-16	18
TCK-58-2216	22	M-16	19

Consists of :

T-Nuts	: 6 Nos.
Clamping Studs of six different lengths	: 4 Nos. each
Flanged Nuts	: 6 Nos.
Extension Nuts	: 4 Nos.
Stepped Strap Clamps of three different lengths	: 2 Nos. each
Step blocks of three different sizes	: 2 pairs (4 Nos.) each

CMM CLAMPING KIT - 62 PIECE with Aluminum / plastic clamping elements



Specially designed for 3D coordinate measuring machine and other inspection and gaging applications.

Model CMMCK-62 consists of :

28 nos. Aluminum M-8 studs of different lengths upto 200mm long.
8 nos. M-8 Aluminum flanged nuts (Hand Tightening Type).
6 nos. Aluminum alloy strap clamps.
8 nos. Aluminum screw jacks.
4 nos. Aluminum top rest pads for screw jacks.
8 nos. Plastic bottom rest pads for screw jacks and studs.

Adaptor available on request for CMM's with M-10 or M-12 threaded beds.

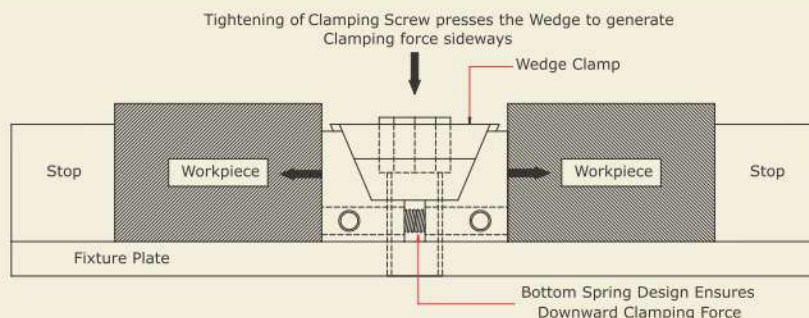


T-Slot size mentioned in these pages is size 'A' of the T-Slot as shown here.

Visit www.toolfastclamps.com for online details of above products or write to us for a print copy

WEDGE CLAMP - RIGID BODY, HARDENED TOOL STEEL, DOWNWARD FORCE

'TOOLFAST' manufactures all models of wedge clamps with new patented design now in India.



- Patented design with bottom spring ensures downward Clamping force
- Hidden spring eliminates clogging of chips in spring coil

WEDGE CLAMP - TWC SERIES *Serrated Hardened Jaws*

MODEL	CLAMPING SCREW
TWC-8	M8
TWC-12	M12
TWC-16	M16



WEDGE CLAMP - TWC-M SERIES *Machinable Jaws*

These have extra material on jaws (soft) to machine as per the workpiece shape enabling fixturing of uneven or unusual shape work pieces.

MODEL	CLAMPING SCREW
TWC-8 M	M8
TWC-12 M	M12
TWC-16 M	M16



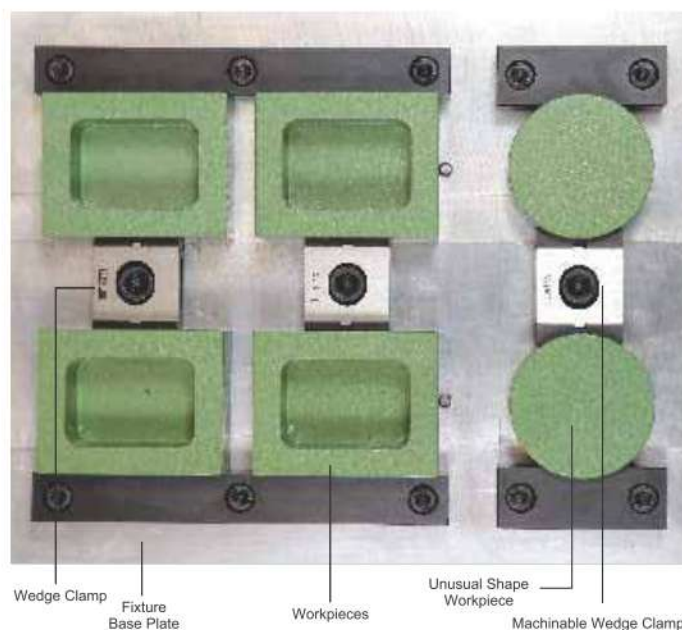
WEDGE CLAMP - TWC-P SERIES *Plain Hardened Jaws with Tapped Holes*

These have plain hardened jaws with added two tapped holes for attaching additional jaw inserts if need be.

MODEL	CLAMPING SCREW
TWC-8 P	M8
TWC-12 P	M12
TWC-16 P	M16



MULTIPLE WORKPIECE CLAMPING FIXTURES WITH TWC SERIES WEDGE CLAMPS DESIGNED & MANUFACTURED BY TOOLFAST



MULTIPLE CLAMPING VICE WITH TWC-16 WEDGE CLAMPS

TOOLFAST offers a 60mm jaw width vice which is capable of clamping multiple workpieces. All parts such as TWC wedge clamp, fixed jaws and the main body are modular and interchangeable.



- Model VTWC-16-60-350 available as standard having overall length 350mm capable of jaw opening 91mm in case of two workpieces.

MINIATURE WEDGE CLAMP

This is a miniature version of wedge clamp for low height work pieces which need low clamping force. Clamping method is same as wedge clamp, just a tapped hole required on the fixture plate with stops.

MODEL	CLAMPING SCREW
MWC-6	M-6
MWC-8	M-8



New

SIDE CLAMP - WEDGE TYPE

This version of wedge clamp enables wedge clamping on one side only for clamping one workpiece on a fixture or directly on a machine table. Models for machine clamping come with a suitable T-Nut.

WITHOUT T-NUT MODELS

MODEL	SUITABLE FOR T-SLOT SIZE	OVERALL LENGTH
SWC-8	-	57
SWC-12	-	81

WITH T-NUT MODELS

MODEL	SUITABLE FOR T-SLOT SIZE	OVERALL LENGTH
SWC-814	14	57
SWC-816	16	57
SWC-818	18	57
SWC-1218	18	81
SWC-1220	20	81
SWC-1222	22	81



New

WEDM CLAMP

Material Stainless Steel, Hardened & Ground

MODEL	OVERALL SIZE	SUITABLE FOR CLAMPING SCREW
TWEC - 1	70 X 23 X 8	M-8
TWEC - 2	70 X 23 X 12	M-8



WEDM EXTENSIONS

Material Stainless Steel, Hardened & Ground
Parallelism within ± 0.005 mm

MODEL	OVERALL SIZE
TWEE - 1	120 X 50 X 15
TWEE - 2	120 X 100 X 15



TWEE - 1

TWEE - 2

WEDM EXTENSION WITH CLAMP

Material Stainless Steel, Hardened & Ground
Parallelism within ± 0.005 mm



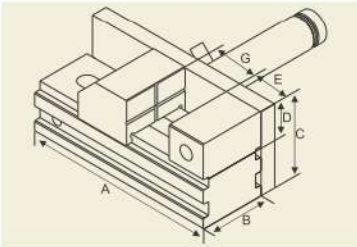
Application View



MODEL	OVERALL WIDTH	OVERALL LENGTH
TWEEC - 1	40	140

EDM ELECTRODE HOLDER

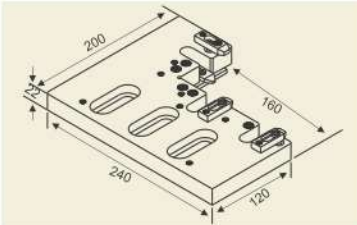
Material Stainless Steel, Hardened & Ground
Parallelism and Squareness within ± 0.005 mm



MODEL	A	B	C	D	E	G Max.
EDV - 20	65	25	32	12	20	20
EDV - 45	100	35	35	16	25	45

WEDM ADJUSTABLE FIXTURE Model TWEF-1

Material Stainless Steel, Hardened & Ground
Parallelism within ± 0.005 mm



WEDM RULER

Material Stainless Steel, Hardened & Ground
Parallelism within ± 0.005 mm

MODEL	LENGTH	BREADTH	HEIGHT
TWER - 370	370	45	30
TWER - 450	450	60	30
TWER - 550	550	60	30
TWER - 650	650	80	36
TWER - 750	750	80	36
TWER - 950	950	80	40



WEDM CORNER FIXTURE

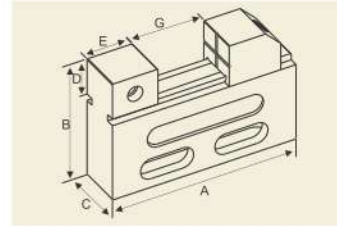
Material Stainless Steel, Hardened & Ground
Parallelism within ± 0.005 mm

MODEL	CLAMPING RANGE dia	OVERALL SIZE
TWCF - 1	0 - 50	100 x 120
TWCF - 2	0 - 100	150 x 170



WEDM VICE - Type A

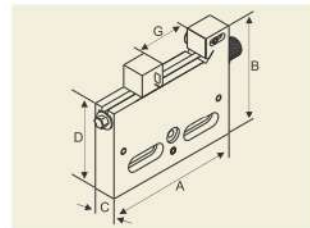
Material Stainless Steel, Hardened & Ground
Parallelism and Squareness within ± 0.005 mm



MODEL	A	B	C	D	E	G Max.
WEVA - 50	120	85	28	25	30	50
WEVA - 150	225	100	32	35	30	150

WEDM VICE - Type B

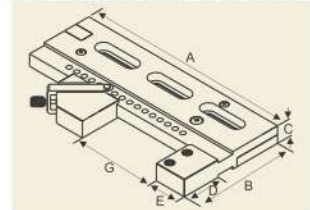
Material Stainless Steel, Hardened & Ground
Parallelism and Squareness within ± 0.005 mm



MODEL	A	B	C	D	G Max.
WEVB - 75	127	100	21	72	75
WEVB - 100	152	100	21	72	100

WEDM VICE - 3 Axis Level Adjustable

Material Stainless Steel, Hardened & Ground
Parallelism and Squareness within ± 0.005 mm



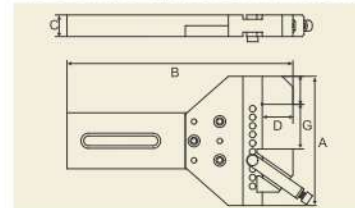
Level Adjustment Screws



MODEL	A	B	C	D	E	G Max.
WEVB - 160	300	170	24	50	60	160

WEDM VICE WITH EXTENSION

Material Stainless Steel, Hardened & Ground
Parallelism and Squareness within ± 0.005 mm



MODEL	A	B	C	D	G Max.
WEVE - 75	140	210	20	28	75
WEVE - 100	165	210	20	28	100

HOLD DOWN TOGGLE CLAMP - Vertical Handle - Flanged Base

MODEL	ARM TYPE	HEIGHT UNDER ARM	HOLDING CAPACITY
VHDT-19-U VHDT-19-BR	U-ARM BR-ARM	19	70 Kgs.
VHDT-25-U VHDT-25-BR	U-ARM BR-ARM	25	100 Kgs.
VHDT-26-U VHDT-26-BR	U-ARM BR-ARM	25	100 Kgs.
VHDT-32-U VHDT-32-BR	U-ARM BR-ARM	32	200 Kgs.
VHDT-32-U-HD	U-ARM	32	350 Kgs.
VHDT-36-U VHDT-36-BR	U-ARM BR-ARM	36	200 Kgs.
VHDT-45-U VHDT-45-BR	U-ARM BR-ARM	45	400 Kgs.
VHDT-46-U VHDT-46-BR	U-ARM BR-ARM	46	400 Kgs.
VHDT-50-U VHDT-50-BR	U-ARM BR-ARM	50	350 Kgs.
VHDT-60-U VHDT-60-BR	U-ARM BR-ARM	60	500 Kgs.
VHDT-80-U VHDT-80-BR	U-ARM BR-ARM	80	700 Kgs.
VHDT-85-U VHDT-85-BR	U-ARM BR-ARM	85	700 Kgs.



U-Arm Model



BR-Arm Model

HOLD DOWN TOGGLE CLAMP - Vertical Handle - Solid Arm

MODEL	HEIGHT UNDER ARM	HOLDING CAPACITY
VHDT-25-ST	25	150 Kgs.
VHDT-32-ST	32	250 Kgs.
VHDT-45-ST	45	500 Kgs.
VHDT-60-ST	60	600 Kgs.
VHDT-80-ST	80	800 Kgs.



HOLD DOWN TOGGLE CLAMP - Vertical Handle - Base Straight

MODEL	HOLDING CAPACITY
VHDT-19-U-BS	70 Kgs.
VHDT-25-U-BS	100 Kgs.
VHDT-26-U-BS	100 Kgs.
VHDT-32-U-BS	200 Kgs.
VHDT-36-U-BS	200 Kgs.
VHDT-45-U-BS	400 Kgs.
VHDT-46-U-BS	400 Kgs.
VHDT-50-U-BS	350 Kgs.
VHDT-60-U-BS	500 Kgs.
VHDT-80-U-BS	700 Kgs.
VHDT-85-U-BS	700 Kgs.



HOLD DOWN TOGGLE CLAMP - T Handle - Flanged Base

MODEL	HEIGHT UNDER ARM	HOLDING CAPACITY
VHDT-25-TU	25	100 Kgs.
VHDT-32-TU	32	200 Kgs.



HOLD DOWN TOGGLE CLAMP - Forward Handle

MODEL	HEIGHT UNDER ARM	HOLDING CAPACITY
FHTC-13	13	50 Kgs.



HOLD DOWN TOGGLE CLAMP - Vertical Handle - Right Angle Base

MODEL	HOLDING CAPACITY
RATC-70	300 Kgs.



PULL BACK CLAMP

MODEL	HOLDING CAPACITY
PBC - 38	400 Kgs.



HOLD DOWN TOGGLE CLAMP - Horizontal Handle - Thumb Type

MODEL	ARM TYPE	HEIGHT UNDER ARM	HOLDING CAPACITY
HDTC-25 HDTC-25-BR	U-ARM BR-ARM	27	150 Kgs.
HDTC-27 HDTC-27-BR	U-ARM BR-ARM	27	150 Kgs.
HDTC-35 HDTC-35-BR	U-ARM BR-ARM	37	250 Kgs.
HDTC-35-HA (High Arm Model)	U-ARM	54	250 Kgs.
HDTC-36 HDTC-36-BR	U-ARM BR-ARM	36	250 Kgs.



U-Arm Model



BR-Arm Model

HOLD DOWN TOGGLE CLAMP - Horizontal Handle - Long Type

MODEL	ARM TYPE	HEIGHT UNDER ARM	HOLDING CAPACITY
HDTC-45 HDTC-45-BR	U-ARM BR-ARM	45	500 Kgs.
HDTC-46 HDTC-46-BR	U-ARM BR-ARM	46	500 Kgs.
HDTC-50 HDTC-50-BR	U-ARM BR-ARM	50	500 Kgs.
HDTC-57 HDTC-57-BR	U-ARM BR-ARM	61	500 Kgs.



U-Arm Model



BR-Arm Model

HOLD DOWN TOGGLE CLAMP - Drop Handle

MODEL	HOLDING CAPACITY
DTC-70	200 Kgs.



HOLD DOWN TOGGLE CLAMP - Horizontal Handle - Base Straight

MODEL	HOLDING CAPACITY
HDTC-45-BS	500 Kgs.
HDTC-50-BS	500 Kgs.



HOLD DOWN TOGGLE CLAMP - Horizontal Handle - Miniature Series

MODEL	ARM TYPE	HEIGHT UNDER ARM	HOLDING CAPACITY
HDTC-8	U-Arm	8	25 Kgs.
HDTC-15	U-Arm	15	50 Kgs.



PUSH / PULL ACTION TOGGLE CLAMP - Front Base - Steel Body

MODEL	PLUNGER DIA	PLUNGER TRAVEL	HOLDING CAPACITY
PATC-9-FB	9Ø	28	150 Kgs.
PATC-12-FB	12Ø	30	300 Kgs.
New PATC-12-FB-HD	12Ø	30	500 Kgs.
PATC-16-FB	16Ø	36	500 Kgs.



PUSH / PULL ACTION TOGGLE CLAMP - Front Base - CI Body

MODEL	PLUNGER DIA	PLUNGER TRAVEL	HOLDING CAPACITY
PATC-22-FB	22Ø	44	1500 Kgs.



PUSH / PULL ACTION TOGGLE CLAMP - Center Base

MODEL	PLUNGER DIA	PLUNGER TRAVEL	HOLDING CAPACITY
PATC-12-CB	12Ø	30	400 Kgs.
PATC-1238-CB	12Ø	30	400 Kgs.
PATC-16-CB	16Ø	36	600 Kgs.
PATC-1642-CB	16Ø	36	600 Kgs.
PATC-22-CB	22Ø	60	900 Kgs.



PUSH / PULL ACTION TOGGLE CLAMP - LONG TRAVEL

MODEL	PLUNGER DIA	PLUNGER TRAVEL	HOLDING CAPACITY
PATC-12-LT	12Ø	40	600 Kgs.
PATC-16-LT	16Ø	50	800 Kgs.
PATC-20-LT	20Ø	75	1300 Kgs.



PUSH / PULL ACTION TOGGLE CLAMP - Miniature Model

MODEL	PLUNGER DIA	PLUNGER TRAVEL	HOLDING CAPACITY
PATC-6	6Ø	14	50 Kgs.



PUSH / PULL ACTION TOGGLE CLAMP - Side Handle

MODEL	PLUNGER DIA	PLUNGER TRAVEL	HOLDING CAPACITY
PATC-9-FB-SH	9Ø	14	150 Kgs.



PUSH / PULL ACTION TOGGLE CLAMP - Heavy Duty

MODEL	PLUNGER DIA	PLUNGER TRAVEL	HOLDING CAPACITY
PATC-25	25Ø	100	2000 Kgs.



PUSH / PULL ACTION TOGGLE CLAMP - Reverse Handle

MODEL	PLUNGER DIA	PLUNGER TRAVEL	HOLDING CAPACITY
PAR-14	14Ø	28	1200 Kgs.



PUSH / PULL ACTION TOGGLE CLAMP - Front Mounting Type

MODEL	PLUNGER DIA	PLUNGER TRAVEL	HOLDING CAPACITY
PAFM-9	9	25	50 Kgs.
PAFM-12	12	36	100 Kgs.
PAFM-16	16	65	350 Kgs.

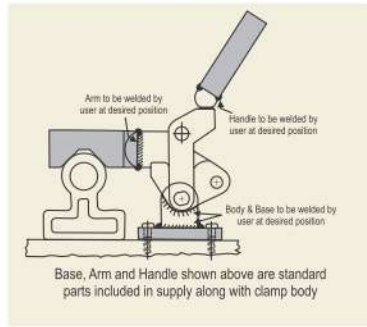


TOGGLE VICE CUM PRESS

MODEL	CAPACITY
TVP-12	300 Kgs.
TVP-16	500 Kgs.
TVP-22	1500 Kgs.



HEAVY DUTY WELDABLE TOGGLE CLAMP - MODULAR DESIGN



MODEL	HOLDING CAPACITY
New WTC - 100	200 Kgs.
WTC - 200	500 Kgs.
WTC - 300	700 Kgs.
WTC - 500	1100 Kgs.
New WTC - 1000	2500 Kgs.

HEAVY DUTY WELDABLE TOGGLE CLAMP - BASE STRAIGHT

MODEL	HOLDING CAPACITY
New WTC - 100 BS	200 Kgs.
WTC - 200 BS	500 Kgs.
WTC - 300 BS	700 Kgs.
WTC - 500 BS	1100 Kgs.
New WTC - 1000 BS	2500 Kgs.

Arm and Handle are included in standard supply.



HOLD DOWN TOGGLE CLAMP - PNEUMATIC OPERATION

MODEL	ARM TYPE	HOLDING CAPACITY
POHD-35-U	U-ARM	200 Kgs.
POHD-35-ST	ST-ARM	
POHD-50-U	U-ARM	400 Kgs.
POHD-50-ST	ST-ARM	
POHD-85-U	U-ARM	700 Kgs.
POHD-85-ST	ST-ARM	



PUSH ACTION TOGGLE CLAMP - PNEUMATIC OPERATION

MODEL	PLUNGER DIA	PLUNGER TRAVEL	HOLDING CAPACITY
POPA-12	12	20	600 Kgs.
POPA-16	16	25	1000 Kgs.
POPA-22	22	30	1500 Kgs.



SQUEEZE ACTION TOGGLE CLAMP

MODEL	dØ CLAMPING SPINDLE
SA-1045	M10 (1 No.)
SA-1045-2	M10 (2 Nos.)



STANDARD ACCESSORIES

Suitable sizes of hex head spindle assembly is provided as standard accessory with all toggle clamps. Set of U-flanged washers is provided with all U-Arm models.



OPTIONAL SPINDLE ASSEMBLIES

User can select an optional spindle assembly from following types and if required can order these separately.



PULL ACTION CLAMP - LATCH TYPE - HORIZONTAL CUM VERTICAL

Same Clamp can be used for horizontal as well as vertical locking.

MODEL	U-BOLT DIA	HOLDING CAPACITY
PAC-4-HV	4Ø	150 Kgs.
PAC-4-HV S.S. (Stainless Steel)	4Ø	150 Kgs.
PAC-6-HV	6Ø	400 Kgs.
PAC-6-HV S.S. (Stainless Steel)	6Ø	400 Kgs.
PAC-8-HV	8Ø	900 Kgs.


HORIZONTAL LATCH CLAMP - LIGHT DUTY

MODEL	HOOK DIA	HOLDING CAPACITY
LC-50	4.4	70 Kgs.
LC-50 S.S. (Stainless Steel)	4.4	70 Kgs.
LC-80	5.3	80 Kgs.
LC-80 S.S. (Stainless Steel)	5.3	80 Kgs.
LC-100	7.0	100 Kgs.
LC-100 S.S. (Stainless Steel)	7.0	100 Kgs.


PULL ACTION CLAMP - LATCH TYPE - HORIZONTAL

These are newly introduced models having same dimensions as above PAC-HV series but with a modified low height handle suitable for only horizontal locking.

MODEL	U-BOLT DIA	HOLDING CAPACITY
PAC-4-H	4Ø	150 Kgs.
PAC-4-H S.S. (Stainless Steel)	4Ø	150 Kgs.
PAC-6-H	6Ø	400 Kgs.
PAC-6-H S.S. (Stainless Steel)	6Ø	400 Kgs.
PAC-8-H	8Ø	900 Kgs.


HORIZONTAL LATCH CLAMP - LIGHT DUTY - Lockable Type

MODEL	HOOK DIA	HOLDING CAPACITY
LC-50-L	4.4	50 Kgs.
LC-50-L S.S. (Stainless Steel)	4.4	50 Kgs.
LC-80-L	5.3	80 Kgs.
LC-80-L S.S. (Stainless Steel)	5.3	80 Kgs.


HORIZONTAL LATCH CLAMP - MEDIUM DUTY

MODEL	U-BOLT DIA.	HOLDING CAPACITY
PAC-5-H	5	250 Kgs.
PAC-5-H S.S. (Stainless Steel)	5	250 Kgs.
PAC-520-H	5	250 Kgs.
PAC-520-H S.S. (Stainless Steel)	5	250 Kgs.


PULL ACTION CLAMP LATCH TYPE - HORIZONTAL

MODEL	DIA	HOLDING CAPACITY
PAC-416-H	4Ø	100 Kgs.
PAC-625-H	6Ø	400 Kgs.
PAC-840-H	8Ø	900 Kgs.


HORIZONTAL LATCH CLAMP - HEAVY DUTY

MODEL	U-BOLT DIA.	HOLDING CAPACITY	TRIGGER LOCK
PAC-10-H	10	2000 Kgs.	Not Included
PAC-10-H-TR	10	2000 Kgs.	Included
PAC-11-H	11	3000 Kgs.	Not Included
PAC-11-H-TR	11	3000 Kgs.	Included
PAC-12-H	12	3500 Kgs.	Not Included
PAC-12-H-TR	12	3500 Kgs.	Included


PULL ACTION CLAMP LATCH TYPE - HORIZONTAL WITH TRIGGER LOCK

MODEL	U-BOLT DIA	HOLDING CAPACITY
PAC-625-H-TR	6Ø	400 Kgs.
PAC-840-H-TR	8Ø	900 Kgs.


PULL ACTION CLAMP - HOOK TYPE

MODEL	HOOK DIA	HOLDING CAPACITY
HPA - 8	8	200 Kgs.



PSF SERIES : PNEUMATIC LOWER FLANGE VERSION SWING CLAMP - DOUBLE ACTING, 4-7 Kg/cm² INLET AIR PRESSURE

MODEL	PISTON DIA	STROKE DURING SWING	STRAIGHT CLAMPING STROKE	TOTAL STROKE	CLAMPING FORCE AT 5Kg/cm ²
PSF 25 R/L	25	12	14	26	16 kg
PSF 32 R/L	32	12	14	26	30 kg
PSF 40 R/L	40	12	15	27	50 kg
PSF 50 R/L	50	14	15	29	85 kg
PSF 63 R/L	63	14	15	29	140 kg


NPSU SERIES : PNEUMATIC UPPER FLANGE VERSION SWING CLAMP - DOUBLE ACTING, 4-7 Kg/cm² INLET AIR PRESSURE

MODEL	PISTON DIA	STROKE DURING SWING	STRAIGHT CLAMPING STROKE	TOTAL STROKE	CLAMPING FORCE AT 5Kg/cm ²
NPSU 25 R/L	25	13	14	27	16 kg
NPSU 32 R/L	32	16	14	30	30 kg
NPSU 40 R/L	40	15	15	30	50 kg
NPSU 50 R/L	50	17	15	32	85 kg
NPSU 63 R/L	63	15	15	30	140 kg


PSB SERIES : PNEUMATIC SWING CLAMP, BLOCK VERSION - DOUBLE ACTING, 4-7 Kg/cm² INLET AIR PRESSURE

MODEL	PISTON DIA	STROKE DURING SWING	STRAIGHT CLAMPING STROKE	TOTAL STROKE	CLAMPING FORCE AT 5Kg/cm ²
PSB 25 R/L	25	13	14	27	16 kg
PSB 32 R/L	32	16	14	30	30 kg
PSB 40 R/L	40	15	15	30	50 kg
PSB 50 R/L	50	17	15	32	85 kg
PSB 63 R/L	63	15	15	30	140 kg


PST SERIES : PNEUMATIC, THREADED VERSION, SWING CLAMP, DOUBLE ACTING, 4-7 Kg/cm² INLET AIR PRESSURE

MODEL	PISTON DIA	STROKE SWING	CLAMPING STROKE	TOTAL STROKE	CLAMPING FORCE AT 5Kg/cm ²
PST 25 R/L	25	14	14	28	16 kg
PST 32 R/L	32	16	14	30	30 kg
PST 40 R/L	40	15	14	29	50 kg
PST 50 R/L	50	14	14	28	85 kg
PST 63 R/L	63	15	15	30	140 kg


PLCU SERIES : PNEUMATIC, UPPER FLANGED VERSION, THREADED BODY LEVER CLAMP - DOUBLE ACTING, 4-10 Kg/cm² INLET AIR PRESSURE

MODEL	PISTON DIA	TOTAL STROKE	CLAMPING FORCE AT 7Kg/cm ²
PLCU 25	25	22	34 kg
PLCU 32	32	28	56 kg
PLCU 40	40	30	88 kg
PLCU 50	50	30	137 kg
PLCU 63	63	30	218 kg


HSF SERIES : LOW OIL PRESSURE, HYDRAULIC, FLANGE VERSION SWING CLAMP

 DOUBLE ACTING, 20-70 Kg/cm² INLET OIL PRESSURE


MODEL	PISTON DIA	STROKE DURING SWING	STRAIGHT CLAMPING STROKE	TOTAL STROKE	CLAMPING FORCE AT 25Kg/cm ²
HSF 25 R/L	25	12	14	26	59 kg
HSF 32 R/L	32	14	15	29	125 kg
HSF 40 R/L	40	14	15	29	200 kg
HSF 50 R/L	50	14	15	29	400 kg
HSF 63 R/L	63	14	15	29	600 kg

Also available in manifold mounting type.

HST SERIES : LOW OIL PRESSURE, HYDRAULIC, THREADED VERSION SWING CLAMP

 DOUBLE ACTING, 20-70 Kg/cm² INLET OIL PRESSURE


MODEL	PISTON DIA	STROKE DURING SWING	STRAIGHT CLAMPING STROKE	TOTAL STROKE	CLAMPING FORCE AT 25Kg/cm ²
HST 25 R/L	25	12	14	26	59 kg
HST 32 R/L	32	14	15	29	125 kg
HST 40 R/L	40	14	15	29	200 kg
HST 50 R/L	50	14	15	29	400 kg

NHU SERIES : LOW OIL PRESSURE, HYDRAULIC, UPPER FLANGE PIPE MOUNTING / MANIFOLD MOUNTING SWING CLAMP

 DOUBLE ACTING, 20-70 Kg/cm² INLET OIL PRESSURE


MODEL	PISTON DIA	STROKE DURING SWING	STRAIGHT CLAMPING STROKE	TOTAL STROKE	CLAMPING FORCE AT 25Kg/cm ²
NHU 32 R/L	32	14	15	29	125 kg
NHU 40 R/L	40	14	15	29	200 kg
NHU 50 R/L	50	14	15	29	400 kg
NHU 63 R/L	63	14	15	29	600 kg

NFS, NFT, SERIES : HIGH OIL PRESSURE, HYDRAULIC SWING CLAMPS, INLET OIL PRESSURE 50-350Kg/cm²

 NFS Series : Flange type
NFT Series : Threaded Version

PISTON DIA	CLAMPING FORCE
25	500 kg
32	900 kg
40	1600 kg



NFS Series

NFT Series

R/L Signifies right hand swing/Left hand swing. Standard swing angle is 90°. Other swing angles are also available on request.

2D / 3D CAD files available on request

030 SERIES: HIGH OIL PRESSURE HYDRAULIC - BOTTOM FLANGE VERSION SWING CLAMP - INLET OIL PRESSURE 35-350 kg/cm²

MODEL	CLAMPING FORCE at 210 kg/cm ²
030- 92-R/L	550 kg
030-202-R/L	1100 kg
030-352-R/L	2100 kg



050 SERIES: HIGH OIL PRESSURE HYDRAULIC - UPPER FLANGE VERSION SWING CLAMP - INLET OIL PRESSURE 35-350 kg/cm²

MODEL	CLAMPING FORCE at 210 kg/cm ²
050- 92-R/L	550 kg
050-202-R/L	1100 kg
050-352-R/L	2100 kg



HYDRAULIC LEVER CLAMP- LOW OIL PRESSURE DOUBLE ACTING - 5-50 Kg/cm² INLET OIL PRESSURE

MODEL	PISTON DIA	TOTAL STROKE	CLAMPING FORCE at 210 kg/cm ²
HLC - 25	25	25	123 kg
HLC - 32	32	25	200 kg
HLC - 40	40	30	315 kg
HLC - 50	50	35	490 kg



Available in block mounting as well as manifold mounting models.

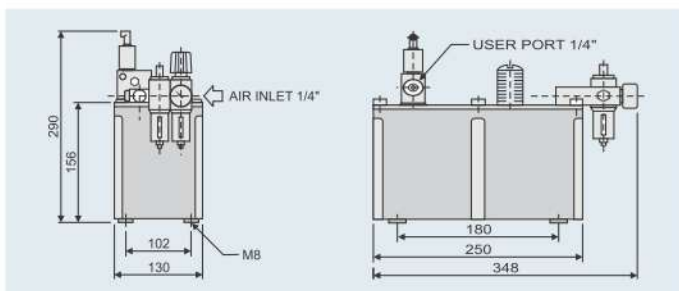
LHC01D SERIES: HYDRAULIC - UPPER FLANGE VERSION THREADED BODY DOUBLE ACTING LEVER CLAMP - 20-70 kg/cm² INLET OIL PRESSURE

MODEL	PISTON DIA	TOTAL STROKE	CLAMPING FORCE AT 25Kg/cm ²
LHC01D - 25	25	25	123 Kgs.
LHC01D - 32	32	28	200 Kgs.
LHC01D - 40	40	30	315 Kgs.
LHC01D - 50	50	30	490 kgs.
LHC01D - 63	63	30	780 Kgs.



HYDROPNEUMATIC POWER UNIT

Gerardi hydropneumatic power unit for hydraulic clamping devices and its bi-products is designed to meet all needs regarding the powering of hydraulic cylinders where low flow rates and high pressures are required. It is driven by air at its inlet to produce hydraulic pressure at its outlet. The special design shape of the power unit is such that a high performance system can be implemented taking up very little space. Thanks to the special design principles, the pump section adopted allows the hydropneumatic power unit to be installed in very hostile environments, such as the work area of machine tools, etc. The unique modular hydraulic flow control system allows controlling up to 6 separate users from just one power unit.



Art. 393 - Power unit with Manual control, Art. 394 - Power unit with Pneumatic control, Art. 395 - Power unit with Electrical control
The pump in its basic version is supplied complete with teflon tank, fill plug, silencer, quick acting air connector fitting and hydraulic control box. Also very suitable for operating swing Clamps (Single acting).

TC SERIES : THREADED BODY CYLINDER, HYDRAULIC, SINGLE ACTING, SPRING RETURN 20 - 350 Kg/cm² INLET OIL PRESSURE

MODEL	PISTON DIA	STROKE	FORCE AT 200Kg/cm ²
TC 12 A/B	12	10	200 kg
TC 16 A/B	16	12	400 kg
TC 20 A/B	20	15	620 kg
TC 25 A/B	25	16	980 kg



SERIES A
SOLID PLUNGER



SERIES B
TAPPED PLUNGER

SP SERIES : HYDRAULIC WORK SUPPORT - HIGH OIL PRESSURE

Hydraulic work support is a hydraulic version of a mechanical screw jack used as a work support element for positively supporting the workpiece to avoid deformation and minimize distortion and vibration of work piece due to cutting and clamping forces.

MODEL	SP-16A / SP-16B
Normal Operating Pressure	100-350 kg/cm ²
Cylinder Operation	Single Acting
Piston Diameter (mm)	16
Stroke (mm)	8
Theoretical Force at 200 Kg/cm ²	210 kg



SP-16A
Spring Advance



SP-16B
Hydraulic Advance

WS-BL Series : HYDRAULIC WORK SUPPORT - LOW OIL WORKING PRESSURE - 25-70 Kg/cm²

Smaller three sizes are manifold mounting type and larger sizes are piping type upper flange mounting.

MODEL	STROKE	SUPPORTING FORCE AT 70 KG/CM ²	MOUNTING TYPE
WS-T30 BL	8	300 Kg	Manifold
WS-T36 BL	8	400 Kg	Manifold
WS-U40 BL	8	550 Kg	Upper Flange
WS-U48 BL	10	720 Kg	Upper Flange
WS-U55 BL	12	1100 Kg	Upper Flange



Manifold Type



Upper Flange Type

HPNR SERIES: HYDRAULIC PULL CYLINDER, SHORT STROKE WITH NON-ROTATING PISTON ROD, INLET OIL PRESSURE 50-350 Kg/cm², SINGLE ACTING

NOW !! AUTOMATE YOUR WEDGE CLAMPS AND OTHER BOLT-DOWN CLAMPS ON NEW OR EXISTING FIXTURES !

AUTOMATE THESE MANUAL CLAMPS ON YOUR FIXTURES



New



MODEL	PLUNGER THREAD SIZE	PULLING FORCE AT 200Kg/cm ²
HPNR-1032-8	M - 8	900 Kgs
HPNR-1032-10	M - 10	900 Kgs
HPNR-1032-12	M - 12	900 Kgs

SPECIFICATION

MAX. PERMISSIBLE INLET AIR PRESSURE:	7 bar
RECOMMENDED INLET AIR PRESSURE:	5,5 bar
OIL DELIVERIES: 1.2-1.4-2.2-2.7-4.3	Liters/min
MAX. OIL OUTLET PRESSURE AT 5 BAR AIR INLET PRESSURE:	400 bar
MAX. NO. OF USERS RECOMMENDED:	6

Outlet pressure can be regulated and set to desired pressure.

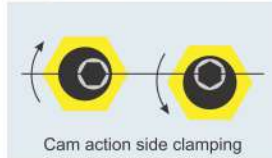
FIXTURE CLAMPS - ECCENTRIC TYPE

The Cam Action Fixture Clamp is made up of two simple components : a hardened steel socket cap screw with an offset head and a hexagonal washer. This clamp is used for low profile side clamping.

- ❑ Low profile makes computer programming easier.
- ❑ Cam action provides fast, strong clamping.
- ❑ Small size allows more parts per load.
- ❑ Simple design keeps cost low.



Available in screw sizes
M- 4 to M-16



Cam action side clamping

KNIFE EDGE CLAMPS

Knife Edge Clamps can be used instead of the above Fixture clamps for clamping rough cut stock, castings and any material that requires a hardened clamping element.

Available in M-10, M-12 and M-16 screw sizes.

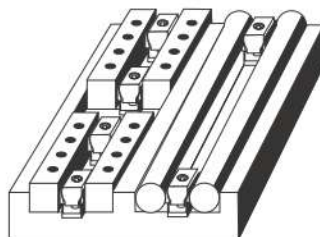


UNIFORCE CLAMPS - WEDGE TYPE

The compact, economical Uniforce Clamp enables you to fixture more parts on the machine table. The specially designed steel wedge spreads the clamping force uniformly on both sides of the channel Jaw. Ideal for clamping flat or round work pieces in multiple set ups.



Available in clamping
screw sizes M-2 to M-16.



ID XPANSION CLAMP

The ID Xpansion™ clamp is the ideal way to hold parts on an inside diameter for multiple machining on a vertical machining center or a horizontal machining center. These machinable clamps are produced in 8 sizes and can hold internal diameters from 8mm to over 75mm. The clamps use a heat treated tapered screw for expansion.

The larger diameter of the clamp is held to a close tolerance for precision locating in a machined pocket on work cubes and fixture plates.

The customer machines the soft steel clamp to match the bore of the part ensuring proper fit. Often times the clamps can be remachined for different size jobs.



Clamping by ID Expansion Clamp
on a multiple clamping fixture

Available in different sizes to
hold internal diameters from
8 mm to 103 mm.

SERIES-9 CLAMPS

This adjustable low profile, cam action clamp provides clamping of different size work pieces merely by rotating the clamp to one of its other edges. The clamps are 10mm high and use M12 cam screw. Each of the six clamping surfaces is a different distance from the centerline by 1 mm. Therefore, one Series-9 Clamp can hold parts that vary up to 9.4mm simply by rotating the clamp to a different clamping surface.

- ❑ Serrated edges.
- ❑ Heat treated and plated.



Each of the six clamping surfaces is number
punched for identification and is at a different
distance from the centerline by 1 mm.

MACHINABLE FIXTURE CLAMPS

Also available 'Machinable Fixture Clamps' where the clamping portion has to be machined by the user as per the profile of the work piece to hold round or unusual shape parts.



MACHINABLE UNIFORCE CLAMPS

Also available 'Machinable Uniforce Clamps' with extra material on the clamping jaws so it can be machined by the user as per the profile of the work piece enabling to fixture unusual applications easily.

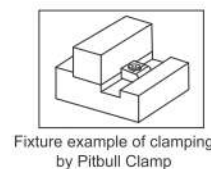


PITBULL CLAMPS

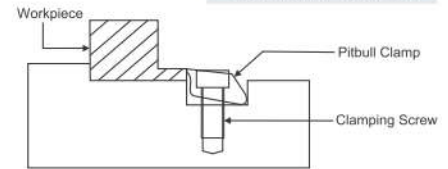
The Pitbull Clamp is a revolutionary new fixture clamp with positive down force and a low gripping profile. High vertical and horizontal clamping forces are generated, considering the size of the Pitbull Clamps. It uses a standard cap screw and an oil resistant O-ring. The Pitbull Clamp is available in 5 sizes and several styles, a tool steel knife edge for aggressive stock removal, a tool steel blunt edge for general purpose and a brass version to help prevent marring the workpiece.



Available in different models
having clamping screw
sizes from M-4 to M-12.

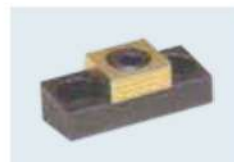


Fixture example of clamping
by Pitbull Clamp



COMPACT TOE CLAMPS

This cam action clamp provides positive down force while using very little space on a fixture. Workpieces can be clamped in series by using the back surface of a clamp to locate the next workpiece. The hardened steel clamping element has both a smooth surface for machined workpieces and a serrated clamping surface for rougher work. The height of the clamp can be adjusted by milling the slot deeper in the fixture plate.



T-SLOT CLAMP KITS (SIDE CLAMPING)

The original MITEE-BITE T-Slot Clamp combines the unique cam action brass clamping element with a T-nut.

- ☐ Locks in machine T-slot for low profile clamping
- ☐ Makes fast set-ups possible right on the machine table
- ☐ Brass hex follows contour of unusual shaped parts
- ☐ Packed in complete kits

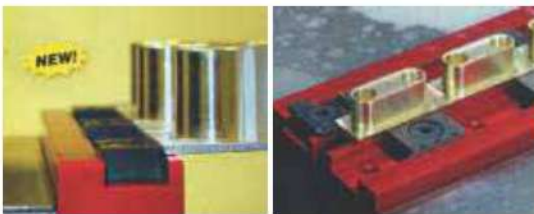
PART NO.	T-SLOT SIZE	CAM SCREW
50644	10mm	M6
50646	12mm	M8
50648	14mm	M10
50650	16mm	M12
50652	18mm	M12

The Mitee-Bite Kit Contains:

- 4 Mitee-Bite T-Nuts
- 6 Mitee-Bite Fixture Clamps
- 2 Hex Keys



TALONGRIP™ AND VERSAGRIP™ VISE JAWS



TALONGRIP VISE JAWS

MITEE-BITE Products introduces a new and innovative product that will increase the functionality of your standard 4 and 6 inch (100mm and 150mm) vises. **Talongrip™** is a simple bolt on system that will allow you to perform aggressive machining operations while clamping on as little as 1.5mm. Ideal for small lot sizes, difficult applications or proto-type work when building a fixture would not be beneficial.



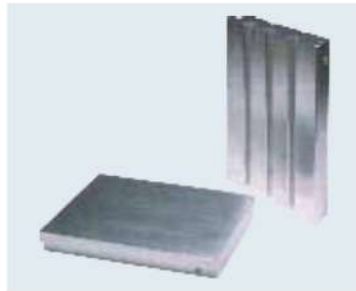
VERSAGRIP VISE JAWS

VersaGrip™, as the name implies, offers the versatility of clamping standard vise work as well as providing a solution for difficult applications that would normally require fixturing or machining soft-jaws. By simply replacing your current jaws with the VersaGrip™ system you can securely hold odd shaped parts while machining at speeds and feeds you never thought possible.

WISE PALLETS

Reduce set up times and increase efficiency on small production jobs. The pallets can be reused for repeat jobs.

- ☐ Now you can run fixture jobs without removing your vises.
- ☐ These Vise Pallets are designed to fit in all 150mm vises and measure approximately 152 x 203mm and 152 x 254mm. They are available blank and with 10mm T-slots.
- ☐ The Blank Pallets are ideal for multiple small parts using one of several MITEE-BITE low profile edge clamps.
- ☐ The T-Slot Pallets can be used with our T-Slot Clamps or the versatile 10mm Riser Kit (#51088) for non-dedicated applications.
- ☐ The Vise Pallets are qualified in 2 places so they can rest on parallels or on the top of the jaws.



VACMAGIC - PALLET CHANGER & VACUUM CHUCK

USES STANDARD SHOP AIR, NO VACUUM PUMP REQUIRED



Vacuum pallet with rubber cord positioned on base unit for thin workpiece ready to be used as a vacuum chuck.



VACUUM CHUCK APPLICATION



Example of standard pallet machined into a fixture plate positioned on base unit for increased production.



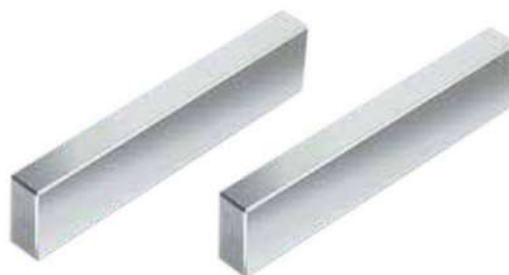
PALLET CHANGER APPLICATION

PRECISION STEEL PARALLELS

'TOOLFAST' Steel Parallels are used as precision packing supports under jobs or fixtures. Made from tool steel, hardened, tempered & precision ground in matched pairs. Matched pairs are marked with identical serial numbers. All sides are chamfered. Overall sizes are nominal.

- ☐ Hardened & Tempered 52 - 56 HRC.
- ☐ Parallelism within 0.005mm upto 200mm length.
- ☐ Inspection certificate is furnished.

MODEL	SIZE
TSP-20	10 x 20 x 150
TSP-35	15 x 35 x 150
TSP-45	20 x 45 x 200
TSP-55	25 x 55 x 250
TSP-60	30 x 60 x 300
TSP-75	45 x 75 x 300
TSP-75-450	45 x 75 x 450



EDGE FINDER

TOOLFAST' Edge Finder is used for fast and accurate location of starting point of work pieces with respect to the machine spindle on milling or jig boring machine tables.

Application: Edge finder is used for location of edges, shoulders, grooves etc. of work pieces kept on machine table with respect to the machine spindle. Shank of the Edge Finder is held in the collet or chuck and work table is traversed to cause the rotating tip of the edge finder make contact with the edge of the work piece to be located. Once the rotating tip comes in contact with the work piece, work table is further traversed so that the rotating tip shifts to a concentric position with respect to the shank. Now any movement to "off centre" will cause a distinct 'wobble'. At this point, the distance from the work edge to the centre of machine spindle is equal to half the diameter of the tip of the edge finder. Available in single & double ended tip. In double ended tip, Edge Finder can be held from both ends and both the tips of two different sizes can be used for edge finding.

Shank and tip of the edge finder are coupled together with the help of an internal spring for independent rotation of both. It is hardened and accurately ground all over to ensure repeatability of work location within 0.01 mm.

MODEL	SHANK DIA	TIP DIA	TYPE
EF-S1	10	10	Edge Finder-single end
EF-D1	10	5 & 10	Edge Finder-double end
EFR-10	10	10	Edge Finder-disc type
EFR-104	10	4 & 10	Disc Type - double end



EF-S1 EF-D1 EFR-10 EFR-104

GRINDING VICE - SCREW TYPE

'TOOLFAST' Grinding Vice - screw type is a precision machine vice. Body & jaw made of tool steel, hardened, tempered & precision ground.

- ☐ Hardened & Tempered to 52 - 56 HRC.
- ☐ All sides Parallelism & Squareness within ± 0.005 mm.
- ☐ Inspection certificate is furnished.



MODEL	JAW WIDTH	JAW DEPTH	MAX. JAW OPENING	OVERALL LENGTH	OVERALL HEIGHT
GV-65	63	32	85	190	65
GV-75	73	35	100	210	74
GV-90	88	40	125	250	88
GV-100	100	45	125	260	95
GV-125	125	50	158	300	110
GV-150	150	50	175	315	110

PRECISION SINE VICE

'TOOLFAST' Precision Sine Vice is used to obtain precise angles by means of gauge blocks. Apart from its use on milling and grinding machine, this Sine Vice can also be used as a reference for inspection.

- ☐ All Hardened & Tempered to 52 - 56 HRC.
- ☐ All side Parallelism & Squareness within ± 0.005 mm.
- ☐ Centre distance of rollers within ± 0.005 mm.
- ☐ Inspection certificate is furnished.

Chart for setting sine angles with the help of gauge blocks is provided.

MODEL	JAW WIDTH	JAW DEPTH	MAX. JAW OPENING	OVERALL LENGTH	OVERALL HEIGHT
PSV-2	50	25	65	140	80
PSV-3	73	35	100	190	104
PSV-4	100	45	125	245	134



PRECISION COMPOUND SINE VICE - SCREW TYPE

'TOOLFAST' Precision compound Sine Vice has compound sine angle setting on two sine plates. Both the tiltings are controlled by fine screws.

- ☐ All Hardened & Tempered to 52 - 56 HRC.
- ☐ All side Parallelism & Squareness within $\pm 0.005\text{mm}$.
- ☐ Centre distance of rollers within $\pm 0.005\text{mm}$.
- ☐ Inspection certificate is furnished.

Charts for setting both sine angles with the help of gauge blocks is provided.

MODEL	JAW WIDTH	JAW DEPTH	MAX. JAW OPENING	OVERALL LENGTH	OVERALL HEIGHT
CSGV-3	75	30	76	160	124



STEEL V-BLOCK

'TOOLFAST' Steel V-Blocks are made of tool steel, hardened, tempered & precision ground on all sides. These are supplied in matched pairs having both sides 'V' with one clamp.

- ☐ Unbreakable Steel Clamp.
- ☐ All Hardened & Tempered 52 - 56 HRC.
- ☐ Parallelism & Squareness of all faces & 'V' within $\pm 0.005\text{mm}$.
- ☐ Inspection certificate is furnished.

MODEL	LENGTH	HEIGHT	WIDTH	HOLDING CAPACITY Ø MAX
SVB-50	50	37	37	35
SVB-80	80	60	60	60
SVB-100	100	75	75	75
SVB-125	125	95	95	90
SVB-150	150	98	98	95



MAGNETIC V-BLOCK

'TOOLFAST' Magnetic V-Blocks are precision ground V-Blocks with high power magnets. Accurately fitted magnet ensures easy movement of knob. Available in single as well as matched pairs. These V-blocks have main holding 'V' and bottom face fitted with hardened steel plates having hardness 52-56 HRC.

- ☐ Parallelism & Squareness of all faces & 'V' within $\pm 0.005\text{mm}$.
- ☐ Most suitable for inspection and tool room applications.
- ☐ Inspection certificate is furnished.

MODEL	LENGTH	HEIGHT	WIDTH
MVB-4-H	100	95	75
MVB-6-H	150	95	75



C. I. ANGLE PLATE - SLOTTED

'TOOLFAST' C. I. Angle Plate-Slotted is made out of high quality seasoned casting having precision ground outside faces & ends. Machined slots for clamping on both faces.

- ☐ Accuracy in parallelism & squareness within $\pm 0.01\text{mm}$ per 200 mm length.
- ☐ Inspection certificate is furnished.

MODEL	SIZE
APS-110	110 x 85 x 75
APS-150	150 x 125 x 110
APS-175	175 x 135 x 110
APS-200	200 x 150 x 125
APS-225	225 x 175 x 150
APS-250	250 x 200 x 150
APS-300	300 x 225 x 200

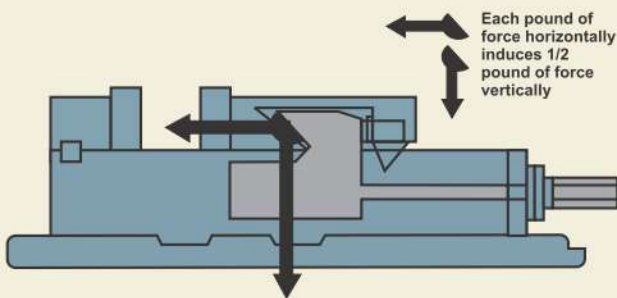
Sizes APS-110 to APS-200 are in open ends type as shown in picture.
 Sizes APS-225 to APS-300 are in webbed ends type .



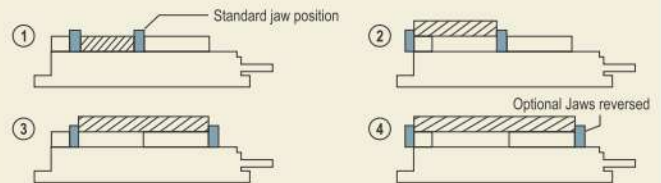
LOCK DOWN JAW MACHINE VICE

FOR MACHINING CENTRE AND MILLING MACHINE

- ☐ Flame hardened bed
- ☐ Accuracy in Parallelism & Squareness within 0.02 mm
- ☐ No work piece tilt after clamping
- ☐ All parts interchangeable and available as spares
- ☐ Tenons and tenon slots provided for effortless truing of vice on machine table



Down thrust "Semi Sphere Segment" mechanism eliminates jaw lift and work piece tilt. No need to hammer the workpiece as in other vices.



Examples ②, ③ and ④ shown above are possible only with optional THICK JAW PLATES (22mm thick).

MODEL	JAW WIDTH	MAX. JAW OPENING WITH STANDARD JAW POSITION	MAX. JAW OPENING WITH JAWS REVERSED	JAW DEPTH	OVERALL LENGTH	OVERALL HEIGHT WITH SWIVAL BASE	OVERALL HEIGHT WITHOUT SWIVAL BASE	N.W. WITH SWIVAL BASE Kgs.	N.W. WITHOUT SWIVAL BASE Kgs.
MMV-6-HXL	160	190	395	48	430	160	115	49	38
MMV-8-H	210	210	480	60	550	190	145	80	62

* Required torque can be achieved by tightening handle included with vice. Applying extra torque by using extension pipe or by hammering damages the vice parts and warranty expires.

OPTIONAL ACCESSORIES

SWIVAL BASE:

Available separately for above vices.



OPTIONAL JAWS FOR MMV-6HXL

SERRATED JAW PLATE

Dimensions same as standard plain Jaw but having serrations for extra grip.



V-JAW PLATE

Total thickness = 40mm



MACHINABLE JAW PLATE

- Extra thick (48mm) for carving part shapes into jaw plate.
- Reversible top to bottom and front to back, (counter bore both sides) for customizing of four different applications.
- Available in **Aluminium** or **Steel**



PRECISION MODULAR VISE 'STANDARD SERIES' WITH GUIDED MOVABLE JAW (ART. 1)



VICE WITH STANDARD ACCESSORIES

- ☐ High precision and gang operation
- ☐ Pull down easy to change jaws
- ☐ Unlimited longevity
- ☐ Space saving design
- ☐ No "wear" construction
- ☐ Unlimited clamping range
- ☐ All steel construction hardened and ground HRc60

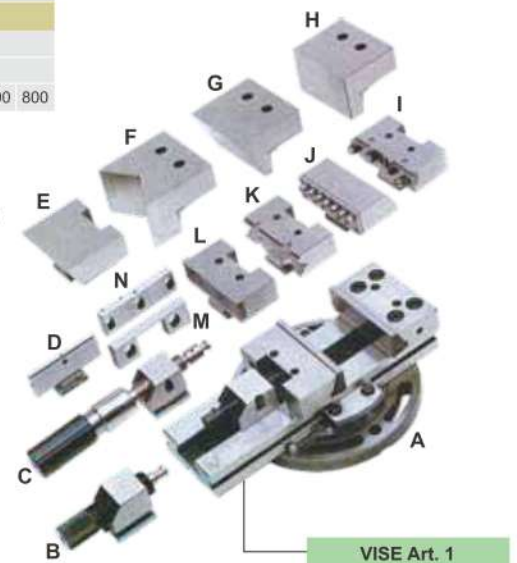
ART. 1	VICE SIZE																			
	1	2	3	4				5				6								
JAW WIDTH	100	125	150	175				200				300								
JAW DEPTH	30	40	50	60				65				80								
MAX. JAW OPENING	100	150	200	300	200	300	400	500	200	300	400	500	600	200	300	400	500	600	700	800

Mention vise size (jaw width) and max. jaw opening for ordering

List of Optional Accessories

- A Swivel base - ART. 105
- B Blocking support with hydraulic cylinder - ART. 271
- C Hydraulic hand screw blocking device - ART. 257
- D Intermediate movable jaw with double step - ART. 212
- E Floating movable jaw for round parts - ART. 210
- F Fixed stack type prismatic jaw - ART. 150
- G Fixed and movable stack-type jaws for round parts - ART.131
- H Square stack-type jaws - ART. 138
- I Movable jaw with 2 floating segments - ART. 190
- J Floating movable jaw - hydraulic control - ART. 188
- K Step-prismatic guided movable jaw - ART. 217
- L Guided movable jaw - straight plate - ART. 146
- M/N Extension for fixed and movable jaw with screws - ART. 132/133

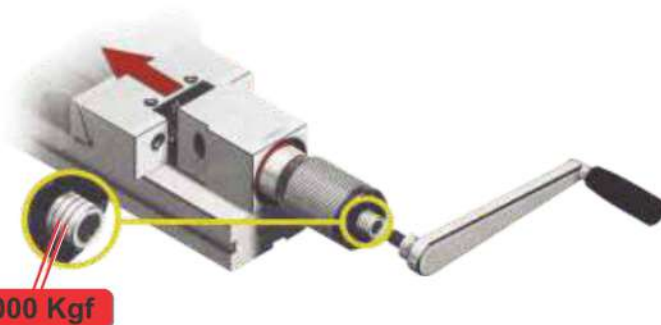
Optional Accessories



VICE Art. 1

HYDRAULIC CLAMPING OPTION

Art. 257



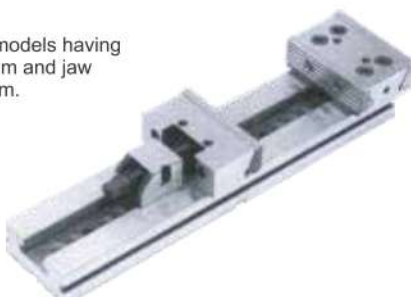
1000 Kgf

The hand hydraulic clamping group Art. 257 is an optional manual power multiplier alternative to the mechanical clamping of above vices. This device allows to reach the same clamping power reachable with the mechanical screw through a minimum effort. The hand hydraulic screw of Art. 257 is manually operated by the wrench included. All above Art. 1 vices can be purchased with Art. 257 fitted.

MODULAR VISES "XL" SERIES

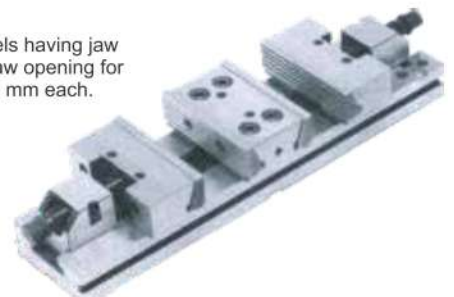
Art. 20

Available in different models having jaw width up to 300 mm and jaw opening up to 1100 mm.

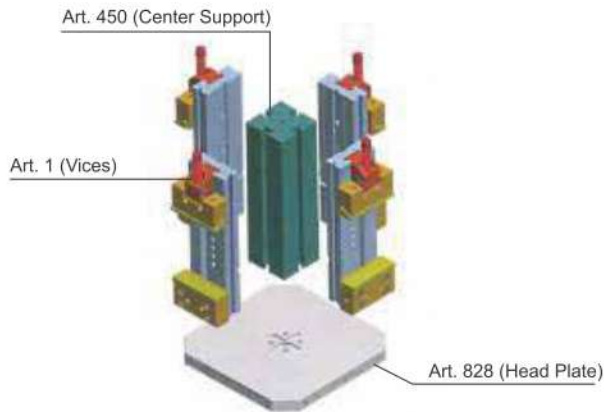


Art. 30

Available in different models having jaw width up to 300 mm and jaw opening for two work pieces up to 460 mm each.



STANDARD VICE TOWERS ART. 750 for Horizontal Machining Center



MODULAR ELEMENTS



Art. 102
Movable section



Art. 104
Double fixed section

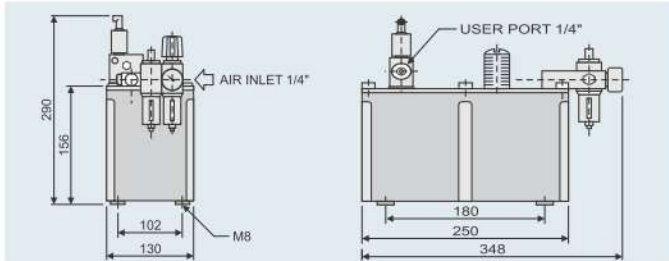


Art. 103
Fixed section

Available in different models having jaw width upto 300 mm with unlimited opening. Suitable for large size workpieces (single or double clamping).

HYDROPNEUMATIC POWER UNIT

Gerardi hydropneumatic power unit for hydraulic clamping devices and its bi-products is designed to meet all needs regarding the powering of hydraulic cylinders where low flow rates and high pressures are required. It is driven by air at its inlet to produce hydraulic pressure at its outlet. The special design shape of the power unit is such that a high performance system can be implemented taking up very little space. Thanks to the special design principles, the pump section adopted allows the hydropneumatic power unit to be installed in very hostile environments, such as the work area of machine tools, etc. The unique modular hydraulic flow control system allows controlling up to 6 separate users from just one power unit.



SPECIFICATION

MAX. PERMISSIBLE INLET AIR PRESSURE:	7 bar
RECOMMENDED INLET AIR PRESSURE:	5,5 bar
OIL DELIVERIES: 1.2-1.4-2.2-2.7-4.3	Liters/min
MAX. OIL OUTLET PRESSURE AT 5 BAR AIR INLET PRESSURE:	400 bar
MAX. NO. OF USERS RECOMMENDED:	6

Outlet pressure can be regulated and set to desired pressure.

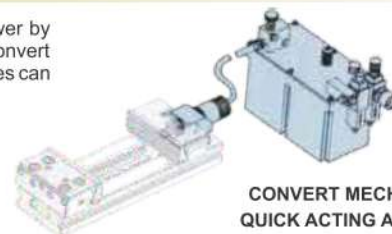
Art. 393 - Power unit with Manual control, Art. 394 - Power unit with Pneumatic control, Art. 395 - Power unit with Electrical control

The pump in its basic version is supplied complete with teflon tank, fill plug, silencer, quick acting air connector fitting and hydraulic control box. Also very suitable for operating swing Clamps (Single acting).

PNEUMO - HYDRAULIC BLOCKING DEVICE

Above power unit can be used to operate Mechanical Modular Vices by Air-Hydraulic power by replacing the mechanical screw by Pneumatic-Hydraulic Blocking device as shown here to convert the mechanical modular vice into quick action air hydraulic vice for production setups. Six vices can be operated simultaneously with one power unit.

Art. 390 with Manual control valve
Art. 391 with Electrical control valve
Art. 392 with Air control valve

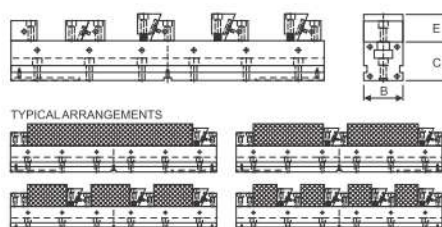
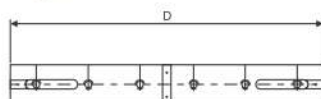


CONVERT MECHANICAL VICE INTO QUICK ACTING AIR HYDRAULIC VICE

"MULTIFLEX" VICES ART. 600



Available in jaw width 49 mm, 74 mm and 99 mm having jaw opening up to 832 mm for single piece and up to 134 mm each for four work pieces held simultaneously.



The "MULTIFLEX" series vices are a total new concept of modular clamping system able to maximize the machine table capacity and increase its productivity. The comb system even between the fixed and movable jaw, increases and improves the clamping capacity. Each vice is supplied with 1 fixed jaw and 4 fixed-movable jaws, One "T" wrench, 1 pair of positioning key nuts and 4 workstops.

SIZE	D	B	C	E	Max opening according to pieces to be clamped								
					1	2	3	4	5	6	7	8	9
1	300	50	50	32/25	208	75	30	8	\	\	\	\	\
	400	50	50	32/25	308	125	64	33	15	3	\	\	\
	500	50	50	32/25	408	175	96	58	35	19	8	\	\
	600	50	50	32/25	508	225	129	83	55	36	22	12	5
	700	50	50	32/25	608	275	161	108	75	52	36	24	16
2	400	75	75	40	275	100	41	12	\	\	\	\	\
	500	75	75	40	375	150	75	37	15	\	\	\	\
	600	75	75	40	475	200	108	62	35	16	3	\	\
	700	75	75	40	575	250	141	87	55	33	17	6	\
	800	75	75	40	675	300	175	112	75	50	32	18	8
3	700	100	100	60	532	217	112	59	28	7	\	\	\
	800	100	100	60	632	267	145	84	48	23	6	\	\
	900	100	100	60	732	317	178	109	68	39	20	5	\
	1000	100	100	60	832	367	211	134	88	55	34	18	5

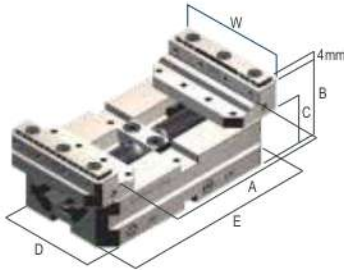
CompactGRIP

SELF CENTERING VISES WITH REVERSIBLE JAWS
IDEAL FOR 5 AXIS MACHINING CENTRES

Standard equipment: 1 Box wrench, 1 Calibrated centering or pull-stud for Z.P
2 positioning key-nuts and 2 self-centering key-nuts +

Free: pair of top jaws inserts G11 + Workstop Art. 370EM

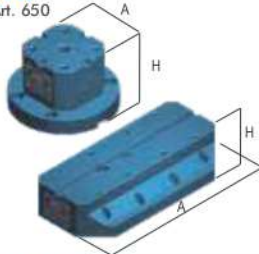
Art.650



Type	1 - 12kN			2 - 22kN				3 - 32kN				
Jaw width W	50			88				123				
Max opening A	54	94	134	96	136	176	216	133	183	233	283	333
Vise height B	65			65				89				
Base body height C	45			38				57				
Base body D	80			90				125				
Base lenght E	80	120	160	120	160	200	240	160	210	260	310	360
Kg	1,9	2,7	3,4	3,6	4,4	5,2	5,8	9,1	10,9	12,8	14,8	17
Code	7.65.01080	7.65.01120	7.65.01160	7.65.02120	7.65.02160	7.65.02200	7.65.02240	7.65.03160	7.65.03210	7.65.03260	7.65.03310	7.65.03360

Art.651H

RISER for Art. 650



H	Type		1			2					3		
	Base lenght A	Ø80	Ø120	Ø160	120	160	200	240	160	210	260	310	360
50	Code	7.65.1H108 /50	7.65.1H112 /50	7.65.1H116 /50	7.65.1H212 /50	7.65.1H216 /50	7.65.1H220 /50	7.65.1H224 /50	7.65.1H316 /50	7.65.1H321 /50	7.65.1H326 /50	7.65.1H331 /50	7.65.1H336 /50
75	Code	7.65.1H108 /75	7.65.1H112 /75	7.65.1H116 /75	7.65.1H212 /75	7.65.1H216 /75	7.65.1H220 /75	7.65.1H224 /75	7.65.1H316 /75	7.65.1H321 /75	7.65.1H326 /75	7.65.1H331 /75	7.65.1H336 /75
100	Code	7.65.1H108 /100	7.65.1H112 /100	7.65.1H116 /100	7.65.1H212 /100	7.65.1H216 /100	7.65.1H220 /100	7.65.1H224 /100	7.65.1H316 /100	7.65.1H321 /100	7.65.1H326 /100	7.65.1H331 /100	7.65.1H336 /100

Zero Point

Set up times reduced of 90%

Clamping force 5 ÷ 40 kN / Holding force more than 60 kN / Pneumatic release 6 ÷ 14 bar / Positioning shank with axial compensation / Double pull-stud centering for Max rigidity / Air cleaning / 4 antirotation keyways / Double effect



Standard Equipment:
1 pull-stud Art.10
1 Teflon cup with O-Ring Art.9



PNEUMATIC FOR MULTIPLE USE

Standard 10kN

Option 18kN
by increase
springs

Repeatability within 0,005 mm

Art. 664



Art. 665



MOUNTING WITH FLANGE

Type	1	2	3
Code	9.66.4S100	9.66.4S200	9.66.4S300
kN	5,4	10	16

BUILT-IN MOUNTING

Type	1	2	3
Code	9.66.5S100	9.66.5S200	9.66.5S300
kN	5,4	10	16



PNEUMATIC FOR SINGLE USE WITH ANTIROTATION KEYWAY

Standard 10kN

Option 25kN
by increase
springs

Repeatability within 0,005 mm

Art. 664S



Art. 665S



MOUNTING WITH FLANGE

Type	1	2	3
Code	9.66.4S100	9.66.4S200	9.66.4S300
kN	5,4	10	16

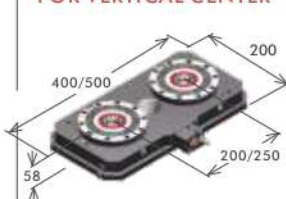
BUILT-IN MOUNTING

Type	1	2	3
Code	9.66.5S100	9.66.5S200	9.66.5S300
kN	5,4	10	16

Pneumatic Zero Point kit interfaced base plates

KIT#1

FOR VERTICAL CENTER

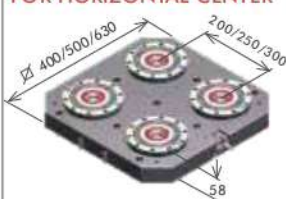


Art. 81P

BASE PLATE
200x400 200x500

KIT#2

FOR HORIZONTAL CENTER

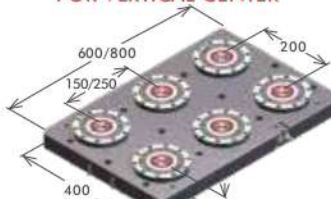


Art. 80P

BASE PLATE
400x400 500x500 630x630

KIT#3

FOR VERTICAL CENTER



Art. 81P

BASE PLATE
400x600 400x800

KIT#4

FOR 5 AXIS CENTER



Art. 82P

ROUNDED BASE PLATE
Ø400 Ø500 Ø630



ANGLE HEADS

ATC models for Automatic Tool Change and
MTC models for Manual Tool Change machines



Bearings

Angular contact
preloaded ball bearings
of precision class
ABEC7/9



Gears

Gleason ground spiral
bevel gears maximum
performances and
minimum vibration



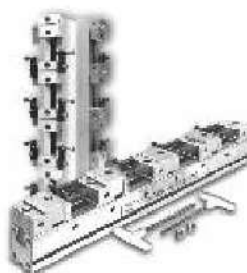
Stop Block

With case hardened
bushing and gasket

SPINDLE SPEEDERS



OTHER PRODUCTS FROM GERARDI



The most versatile
MULTIFLEX Vises and Vise Towers for
multi-clamping



Tombstone for Horizontal
Machining Center with Zero point or
Grid type



Gerardi Driven tools

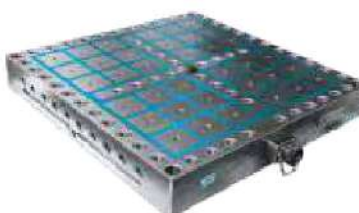
- Mazak
- Biglia
- Daewoo
- Mori seiki
- Nakamura
- HAAS
- Okuma
- Takisawa
- VDI

Manual self-centering
scroll chucks



Platform

BISON



Grid magnetic plates
for milling

HYDRAULIC MACHINE VICE

'GIN' Hydraulic Machine Vice is a suitable hydraulic vice for Milling machine. Can also be used on a machining centre.

- ☐ Operates on handle movement as in mechanical vices.
- ☐ High clamping force can be achieved by effortless handle movement which eliminates hammering on handle.

MODEL	JAW WIDTH	JAW DEPTH	MAX. JAW OPENING
GIN-HVA-100-01	100	36	170
GIN-HVA-125-01	125	46	220
GIN-HVA-150-01	150	51	300
GIN-HVA-200-01	200	62	300



LOCK DOWN JAW HYDRAULIC MACHINE VICE

Lock Down Jaw Design eliminates jaw lift and work piece tilt.

MODEL	JAW WIDTH	JAW DEPTH	MAX. JAW OPENING	OVERALL LENGTH
GPHV-125	130	55	220	570
GPHV-160	160	58	310	625
GPHV-200	200	63	310	725



MC COMPACT HYDRAULIC VICE

Compact version of GPHV model above.

MODEL	JAW WIDTH	JAW DEPTH	MAX. JAW OPENING	OVERALL LENGTH
GCHV-100 V	101	48	125	470
GCHV-130 V	131	55	180	535
GCHV-160 V	161	58	240	625
GCHV-200 V	201	63	280	700



UNIVERSAL 3-WAY ANGLE VICE

MODEL	JAW WIDTH	JAW DEPTH	MAX. JAW OPENING
GIN-VW3	80	30	90
GIN-VW4	106	38	105
GIN-VW5	132	40	140



UNIVERSAL DIVIDING HEAD-Model GIN-BS-2

Model GIN-BS-2 dividing head comes with complete set of gears and dividing plates. Centre height is 132mm and ratio of worm to gear is 1:40.



Smaller Models GIN-BS0 and GIN-BS1 are available without gear set.

PRECISION KEYLESS DRILL CHUCK

High quality Keyless Drill Chuck is most suitable for CNC and Milling machines.

MODEL	CAPACITY	TAPER
APU08-J 1	0-8	J 1
APU10-J 2	0-10	J 2S
APU13-J 6	1-13	J 6
APU16-J 6	3-16	J 6



Different types of shanks are also available separately.

NC DRILL CHUCK - INTEGRATED TYPE

The compact designed drill chuck provides higher accuracy, improved rigidity, and shorter overhang for holding drills.

Preventing from slip-out during machining, absolutely eliminating the disadvantage of connecting by taper. A dedicated Spanner is provided for powerful clamping.

Available in BT 30/40/50 and HSK shank having holding capacities 0-8 mm, 1-13 mm and 3-16 mm.



BT TYPE TAPER WIPER

MODEL	FOR SPINDLE TAPER
GIN-W30	BT-30
GIN-W40	BT-40
GIN-W50	BT-50



CERAMIC EDGE FINDER

Tips are made of Ceramic having 10 dia.



ELECTRONIC (OPTICAL) EDGE FINDER

'GIN' Electronic edge finder with LED is most convenient to use as the tip of the Touch Probe is brought near the edge of the job, red light powered by enclosed battery glows as the ball probe comes in contact with the edge.

- ☐ Concentricity of ball-probe and shank within 0.005 mm.
- ☐ Repeatability of work location within 0.01mm.
- ☐ Spring loaded Ball-probe to prevent damage of probe.



MODEL	SHANK DIA	BALL DIA	TOTAL LENGTH	TYPE
GIN TSOE 20S	20	10	120	WITH LED ONLY
GIN TSOE 20L	20	10	158	WITH LED ONLY
GIN TSOE 20LB	20	10	158	WITH LED AND BEEPER

Z-AXIS PRESET GAUGE - OPTICAL TYPE Model GIN-ZOP-50

Used for setting tool height 50mm. Its base has a built-in magnet hence can be used vertically as well as horizontally. The red lamp lights up when touched. Height can be micro adjusted by gauge block.

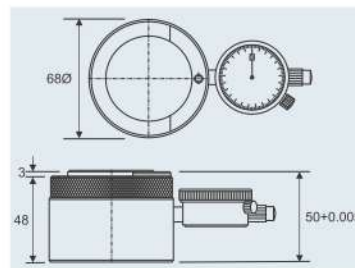


Z-AXIS ZERO SETTER - Model Z-50

Z-Axis Zero Setter is used for zero setting of tool height from the machine table on machining centres. Setting height : 50.00±0.01mm

Features:

- ☐ Large measuring surface to assure high measuring accuracy.
- ☐ Low Spring force to avoid breakage of small end mill and drill.
- ☐ Easy to calibrate by a ground parallel or gauge block.



Z-AXIS ZERO SETTER - ZPM Series - Ceramic

- ☐ Least measuring diameter of cutting tool : 0.1mm
- ☐ Scratch proof ceramic measuring face

MODEL	BASE TYPE
ZPM-50	Plain
ZPM-50 P	Magnetic
ZPM-100 P	Magnetic ON/OFF



ZPM-50/50P



ZPM-100P

BORING HEAD - BHC Series

'GIN' BHC Series Boring Heads have wide base bearing surface that assures maximum rigidity even when the bar holder is in an offset position. The adjustment screw is ground after hardening. Shanks of different types and boring tools available separately.

MODEL	OUTER DIA	BORING BAR HOLE SIZE	CROSS HOLE DIA	OFFSET	LEAST COUNT
GIN-BHC2	50	12	12	15	0.01
GIN-BHC3	75	18	18	25	0.01
GIN-BHC4	100	25	25	25	0.01

Different types of shanks are also available separately.



BORING HEAD - HIGH PRECISION FOR SMALL DIAMETER

GIN-BHW02 Series Boring head is high precision boring head most suitable for small diameters ranging from 30 to 500. Different boring tools for different sizes of bores are available separately. All types of shanks are also available separately. Standard sets with boring tools also available. Ask for details

MODEL	OUTER DIA.	BORING BAR HOLE SIZE	OFFSET	LEAST COUNT
GIN-BHW02-50CK6	64	16	4.5	0.001



BORING HEAD SETS AND BORING TOOLS

MODEL GIN-BHC2 (SET) WITH THREE NOS. INDEXABLE INSERTS TYPE BORING BARS.

Sets available with different interchangeable shanks such as R8, NT30, NT40, NT50, MT2, MT3, MT4, MT5, BT40 & BT50.

MIN. BORING DIA	MAX. BORING DIA	MAX. BORING DEPTH	BORING BAR HOLE SIZE	BORING HEAD OUTER DIA	LEAST COUNT
8 mm	90 mm*	45 mm	12 mm	50	0.01 mm

*Larger boring dia upto 150mm can be achieved by optional cross hole boring tool (GIN Model 59982-1236) available separately.



MODEL GIN-BHC3 (SET) WITH THREE NOS. INDEXABLE INSERTS TYPE BORING BARS.

Sets available with different interchangeable shanks such as R8, NT30, NT40, NT50, MT2, MT3, MT4, MT5, BT40 & BT50.

MIN. BORING DIA	MAX. BORING DIA	MAX. BORING DEPTH	BORING BAR HOLE SIZE	BORING HEAD OUTER DIA	LEAST COUNT
12 mm	140 mm*	110 mm	18 mm	75	0.01 mm

* Larger boring dia upto 250mm can be achieved by optional cross hole boring tool (GIN Model 59990-BH18-36) available separately.



PRECISION BORING TOOLS - WITH INDEXABLE CARBIDE INSERTS

Boring tools available in shank dia 12mm to shank dia 25mm for all models of GIN boring heads. These boring tools are available in different sizes and lengths to achieve different sizes of bores. Side type boring tools to be used in cross hole of boring head for large diameter boring are also available.



MODEL GIN-BH2084 SETS

Complete with boring tools available with different interchangeable shanks such as R8, NT30, NT40, NT50, MT3, MT4, MT5, BT40 & BT50.

GIN MODEL	BH 2084 SET	MIN. BORING DIA	MAX. BORING DIA	MAX. BORING DEPTH	BORING BAR HOLE SIZE	BORING HEAD OUTER DIA	LEAST COUNT
59490C	With 3 boring tools	12 mm	115 mm	110 mm	20 mm	84 mm	0.005 mm
59490D	With 8 boring tools	8 mm	270 mm	110 mm	20 mm	84 mm	0.005 mm



UNIVERSAL BORING AND FACING MASTER HEAD SET

Model GIN-BHAM (SET)

Universal Boring and Facing Head model GIN-BHAM has very precise construction with auto feed and stop. Working range is 5 mm to 250 mm.

Available complete with boring bars, boring tools etc. with different shanks such as BT40, BT50, R8, NT30, NT40, NT50, MT3, MT4, MT5.

BORING BAR HOLE SIZE	CROSS HOLE DIAMETER	OFFSET
18	18	15

Standard sets are with indexable inserts type carbide boring tools.



TOOL MAKER VICE GIN VB

All hardened and tempered 56-60 HRC having parallelism and squareness within 0.005 mm. It has improved design where the pin is not required to change position for changing jaw opening.



MODEL	OVERALL WIDTH	JAW DEPTH	MAX. JAW OPENING	OVERALL LENGTH
GIN - VB 15	36	20	40	100
GIN - VB 20	50	25	80	150
GIN - VB 25	63	32	90	175
GIN - VB 30	73	35	100	190
GIN - VB 35	88	40	130	235
GIN - VB 40	100	45	130	245
GIN - VB 50	125	50	160	285

PRECISION UNIVERSAL VICE

Model GIN-CHM has horizontal swivel 360° and tilts 45° vertically. Most suitable for precision grinding, milling, EDM etc. having micro adjustment of tilt angle.



MODEL	JAW WIDTH	JAW DEPTH	MAX. JAW OPENING
CHM-80	70	30	80
CHM-125	125	43	150

PRECISION STEEL PARALLELS SET Model GIN-P100

'GIN' Precision steel parallels set consists of 8 pairs (16 pieces) of flat steel parallels as per sizes given below and one pair (2 pieces) of thin edged parallels for use where minimum contact area with the job is required.

MODEL GIN-P100 HAVING TOTAL 18 PCS.

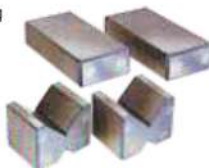
SIZES OF FLAT STEEL PARALLELS	PCS
5 X 16 X 100	2
6 X 18 X 100	2
8 X 24 X 100	2
10 X 30 X 100	2
12 X 36 X 150	2
14 X 48 X 150	2
18 X 60 X 150	2
22 X 62 X 150	2
15 X 31 X 2.5 X 200 (THIN EDGE TYPE)	2



MAGNETIC INDUCTION BLOCKS

Nonmagnetic GT1, GT2 can be magnetic after being induced on any magnetic chuck.

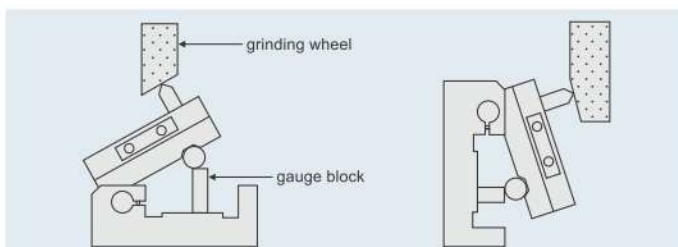
MODEL	A x B x L x Pcs.	TYPE
GIN-GT 1	25 x 50 x 100 x 2 pcs.	Plain
GIN-GT 2	46 x 49 x 58 x 2 pcs.	V-Type



ANGLE SINE DRESSER

Angle Sine Dresser is a precision grinding wheel dresser on any type of surface grinding machine to dress the grinding wheel at any angle from 0 to 60 degree with smoothness and accuracy. Desired angle is set with the help of gauge blocks. Diamond dresser is fitted on a moveable slide and wheel is dressed by moving the slide to and fro manually.

MODEL	OVERALL LENGTH
GIN-AP50	87



PUNCH FORMER WITH RADIUS DRESSING ATTACHMENT

MODEL GIN - PFB

'GIN' Precision Punch Former is a precision grinding instrument for precision grinding of round and angular shaped parts to form punches, EDM electrodes etc. on surface grinding machine or universal grinding machine. Besides round, radius and multi angle punches, any special form can be ground precisely as shown below. Punch holding capacity is 4ø to 30ø and centre height is 80mm.



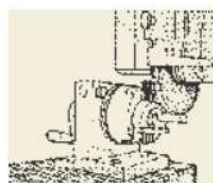
Shapes of punches formed by holding a punch on GIN - PFB and by Grinding on surface grinder.



Front view

Radius Dressing Attachment is a standard accessory of GIN - PFB which can be held on the V-Block of the Punch Former for radius dressing of grinding wheel upto 200ø

Punch to be formed is held in the V-Block & V-Block can be slid vertically to bring the punch at concentric position

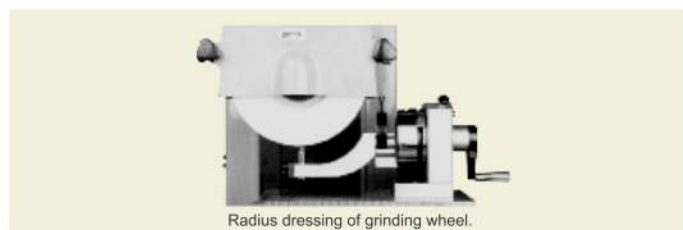


Punch Forming on surface grinding machine



Rear view

24 position index plate for quick, auto index every 15 degrees. Any other angle can also be set and locked manually



Radius dressing of grinding wheel.

Optional Accessories for Punch Former



Angular dressing attachment Model PFB-1 for Punch Former for angular dressing of grinding wheel. PFB-1 is held in the V-Block of Punch Former and required angle is set. Then angular dressing of the wheel is done manually by moving the slide of PFB-1 to and fro on which dresser is mounted.

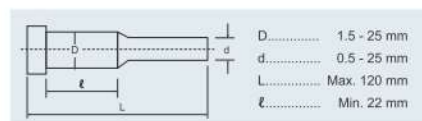


Sine Plate Model SPF-50 for forming taper punches on Punch Former. Punch Former is mounted on Sine plate SPF-50 and required precise angle is set by keeping gauge blocks under the roller.

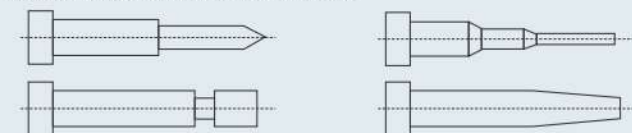
Both of the above accessories are adaptable to Punch Former model GIN-PFB and can be ordered separately.

PUNCH GRINDER - Model GIN-PGA

'GIN' Punch grinder is a tool which can be put on the table of surface grinding machine for grinding punches. It can do cylindrical grinding of punches precisely on a surface grinding machine.



Examples of shapes of punches which can be made



PUNCH GRINDER - Model GIN-PGAS

'GIN' Punch grinder Model GIN-PGAS is a smaller precise version of above Punch Grinder which can grind punches from dia 0.5mm to 10mm. If the diameter of the punch to be ground is above 6 mm then Model GIN-PGA shown above is recommended.



MOTOR PUNCH GRINDER - Model GIN-PGAM

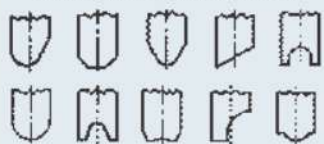
'GIN' Motor Punch grinder is a motorized version of Punch Grinder Model GIN-PGA which eliminates manual handle rotation. It is a single hand portable machine which can be easily kept on grinding machine. With rollers being motor driven, operator can concentrate on machine feeds. Can be used with sine plate to grind punches in angle. Radius on punches can be obtained by dressing the grinding wheel in radius.



RADIUS AND ANGLE DRESSER

'GIN' Radius And Angle Dresser is a precision grinding wheel dresser on any type of surface or Tool & Cutter grinding machine to dress the grinding wheel to any desired form - any combination of tangents and radius - either convex or concave as shown below. Radius is set very precisely with the help of slip gauges.

Shapes of grinding wheels achieved by dressing with Radius And Angle Dresser



Model GIN RDB for wheel dia up to 8"
Model GIN RDC for wheel dia up to 11"

RADIUS AND ANGLE DRESSER Model GIN-RDA

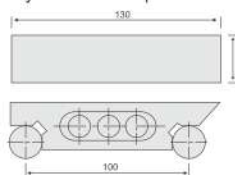
Same as above model with an added feature of built-in gauge for zero setting.

Max convex R 45mm, Max concave R 100mm, Max horizontal movement is 65mm.



SINE BAR Model GIN-S100

Accuracy 0.005mm in parallelism and center distance of rollers.



SINE PLATE WITH MAGNETIC CHUCK

Accuracy 0.005mm in parallelism, squareness and center distance of rollers.

MODEL	MAGNETIC TOP SIZE	OVERALL HEIGHT IN CLOSED POSITION
SP47M	175 x 100	87
SP66M	150 x 150	87
SP510M	250 x 125	87
SP612M	300 x 150	87



COMPOUND SINE PLATE WITH MAGNETIC CHUCK

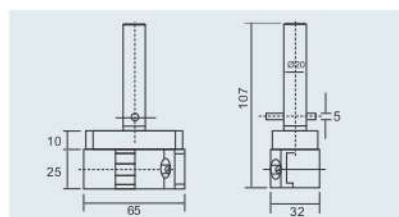
MODEL	MAGNETIC TOP SIZE	OVERALL HEIGHT IN CLOSED POSITION
CSP 47M	175 x 100	122
CSP 66M	150 x 150	122
CSP 510M	250 x 125	122
CSP 612M	300 x 150	122



ELECTRODE HOLDER (STAINLESS STEEL)

Model GIN-VH20 is used for holding electrodes on EDM.

MATERIAL	PARALLELISM	SQUARENESS	HARDNESS
SUS440	Within 0.003 mm / 100 mm	Within 0.005 mm / 100 mm	HRC 54 - 58



PRECISION VISES FOR WIRE CUT MACHINE

PARALLELISM	SQUARENESS
Within ± 0.002 mm	Within ± 0.002 mm

JAW OPENING	WIDTH	JAW HEIGHT	MATERIAL	HARDNESS
50 mm	28 mm	25 mm	Stainless Steel	HRC 50 - 55

Model GIN-WPV50



PARALLELISM	SQUARENESS
Within ± 0.002 mm	Within ± 0.002 mm

JAW OPENING	WIDTH	JAW HEIGHT	MATERIAL	HARDNESS
100 mm	22 mm	45 mm	Stainless Steel	HRC 50 - 55

Model GIN-WPV100



PARALLELISM	SQUARENESS
Within ± 0.002 mm	Within ± 0.002 mm

JAW OPENING	WIDTH	JAW HEIGHT	MATERIAL	HARDNESS
150 mm	22 mm	50 mm	Stainless Steel	HRC 50 - 55

Model GIN-WPV150



PARALLELISM	SQUARENESS
Within ± 0.003 mm	Within ± 0.005 mm

JAW OPENING	WIDTH	JAW HEIGHT	MATERIAL	HARDNESS
160 mm	24 mm	60 mm	Stainless Steel	HRC 50 - 55

Model GIN-WPV320
With level & parallel adjustment feature





PUNCH FORMER (BIG)



3 JAWS PUNCH FORMER



ER COLLET PUNCH FORMER



MOTOR PUNCH FORMER



UNIVERSAL WHEEL DRESSER



DIAMOND CBN FLAT WHEEL TRUER



FLANGES FOR GRINDING MACHINES



WHEEL BALANCING STAND



PERMANENT MAGNETIC CHUCK



PERMANENT MAGNETIC CHUCK (VERTICAL TYPE)



ROTARY PERMANENT MAGNETIC CHUCK



ELECTRICALLY CONTROLLED PERMANENT MAGNETIC CHUCK



GAUGE BLOCKS



PIN GAUGE SET



DEMAGNETIZER - HANDY TYPE & STANDARD TYPE



SUPER THIN CHUCKS FOR MILLING



SUPER INDEX SPACER



UNIVERSAL TILTING ROTARY TABLE



CHAMFERING MACHINES



UNIVERSAL CUTTER GRINDER



ADJUSTABLE FIXTURES AND
VICES FOR WIRE EDM



WIRE EDM DIVIDING DEVICE



ELECTRODE VICE



SELF-CENTERING VICE



CENTER PUNCH FORMER



THREAD GRINDING SLIDER



PRECISION UNIVERSAL
THIN CHUCK PAEDESTAL



FIXTURES AND ELEMENTS FOR CMM



3D TASTER



CENTERING INDICATOR



CONCENTRICITY MEASURING INSTRUMENT



TOOL PRE-SETTER



SMALL DIA FINE BORING HEAD



LARGE DIA BORING HEAD



MICRO BORING HEAD



QUICK CHANGE TAPPING CHUCKS



CUTTING-OFF MACHINE



BALL ENDMILL GRINDER



SCREW TAP GRINDER



AIR TAPPING MACHINE

DRILL GRINDING MACHINE

- ❑ Quick re-sharpening of HSS or Carbide drills of taper or straight shank.
- ❑ Two separate stations for point angle grinding and relieving
- ❑ Very easy to learn operation by instruction sheet.
- ❑ CBN grinding wheel for HSS drills and all size collets included as standard equipment. SDC grinding wheel for carbide drill and additional collets are optional.



MODEL	DRILL DIA CAPACITY	NO. OF COLLETS INCLUDED	DIA CAPACITY WITH OPTIONAL COLLETS	POINT ANGLE ADJUSTMENT	POWER	N.W. KGS.
SDG - 13	3 - 13	11	-	90° - 140°	AC-220V / 120W	10
SDG - 20	3 - 20	18	-	90° - 140°	AC-220V / 120W	11
SDG - 26	13 - 26	14	8 - 30	90° - 140°	AC-220V / 250W	29

END MILL GRINDING MACHINE

- ❑ Quick re-sharpening of HSS or Carbide end mills.
- ❑ Very easy to learn operation by instruction sheet.
- ❑ SDC grinding wheel for carbide drills and all sizes collets included as standard equipment. CBN grinding wheel for HSS drill and additional collets are optional.
- ❑ Grinds 2-Flute, 3-Flute, 4-Flute end mills and bigger than 12 dia 6-Flute end mills



MODEL	END MILL DIA CAPACITY	NO. OF COLLETS INCLUDED	POINT ANGLE	POWER	N.W. KGS.
SEM - 14	4 - 14	6	0° - 5°	AC-220V / 180W	12
SEM - 20	4 - 20	9	0° - 5°	AC-220V / 180W	20
SEM - 30	12 - 30	10	0° - 5°	AC-220V / 250W	25

New

ER SPRING COLLETS as per DIN 6499

All below given sizes of ER Collets are available in single piece packing.

Collet Type	Size - Diameter Range (mm)
ER16	1-0.5, 1.5-1, 2-1.5, 3-2, 4-3, 5-4, 6-5, 7-6, 8-7, 9-8, 10-9
ER 20	1-0.5, 1.5-1, 2-1.5, 3-2, 4-3, 5-4, 6-5, 7-6, 8-7, 9-8, 10-9, 11-10, 12-11, 13-12
ER 25	1-0.5, 1.5-1, 2-1.5, 3-2, 4-3, 5-4, 6-5, 7-6, 8-7, 9-8, 10-9, 11-10, 12-11, 13-12, 14-13, 15-14, 16-15
ER 32	1-0.5, 1.5-1, 2-1.5, 3-2, 3.5-2.5, 4-3, 5-4, 6-5, 7-6, 8-7, 9-8, 10-9, 11-10, 12-11, 13-12, 14-13, 15-14, 16-15, 17-16, 18-17, 19-18, 20-19
ER 40	3-2, 4-3, 5-4, 6-5, 7-6, 8-7, 9-8, 10-9, 11-10, 12-11, 13-12, 14-13, 15-14, 16-15, 17-16, 18-17, 19-18, 20-19, 21-20, 22-21, 23-22, 24-23, 25-24, 26-25, 27-26, 28-27, 29-28, 30-29



ER COLLETS AND COLLET CHUCK SETS

Following sizes of ER Collet & Collet Chuck sets with spanner in an attractive plastic carry box are available.



Collet Chuck Set With Spanner	15 Pieces Collet Sizes Included In Set
ER 32 - BT - 30	3-2, 4-3, 5-4, 6-5, 7-6, 8-7, 9-8, 10-9, 12-11, 14-13, 15-14, 16-15, 17-16, 18-17, 20-19
ER 32 - BT - 40	3-2, 4-3, 5-4, 6-5, 7-6, 8-7, 9-8, 10-9, 12-11, 14-13, 15-14, 16-15, 17-16, 18-17, 20-19
ER 32 - BT - 50	3-2, 4-3, 5-4, 6-5, 7-6, 8-7, 9-8, 10-9, 12-11, 14-13, 15-14, 16-15, 17-16, 18-17, 20-19
ER 40 - BT - 40	3-2, 4-3, 5-4, 6-5, 8-7, 10-9, 12-11, 14-13, 15-14, 16-15, 18-17, 20-19, 22-21, 24-23, 26-25
ER 40 - BT - 50	3-2, 4-3, 5-4, 6-5, 8-7, 10-9, 12-11, 14-13, 15-14, 16-15, 18-17, 20-19, 22-21, 24-23, 26-25

ER SPANNER

Following spanners are available for tightening and loosening collet chucks of respective sizes.

Sizes
ER25 - Star Type
ER32 - Star Type
ER40 - Star Type



PULL STUDS - MAS 403

Following sizes of Pull Studs are available:

Sizes	Sizes
PS - BT30 - 30°	PS - BT40 - 45°
PS - BT30 - 45°	PS - BT50 - 30°
PS - BT40 - 30°	PS - BT50 - 45°



ER COLLECT CHUCKS

Hardened high grade steel, precision ground.

Sizes	Sizes
BT30 - ER16 x 60	BT40 - ER32 x 70
BT30 - ER20 x 60	BT40 - ER32 x 100
BT30 - ER25 x 60	BT40 - ER40 x 80
BT30 - ER32 x 60	BT50 - ER16 x 70
BT30 - ER40 x 70	BT50 - ER20 x 70
BT40 - ER16 x 70	BT50 - ER25 x 80
BT40 - ER20 x 70	BT50 - ER32 x 80
BT40 - ER25 x 70	BT50 - ER40 x 80



SIDE LOCK ADAPTOR (End Mill Holder)

Hardened high grade steel, precision ground.

Sizes	Sizes
BT40 - SLA 8 dia x 65	BT40 - SLA 32 dia x 90
BT40 - SLA 10 dia x 65	BT40 - SLA 40 dia x 90
BT40 - SLA 12 dia x 65	BT50 - SLA 20 dia x 105
BT40 - SLA 16 dia x 65	BT50 - SLA 25 dia x 105
BT40 - SLA 20 dia x 90	BT50 - SLA 32 dia x 105
BT40 - SLA 25 dia x 90	BT50 - SLA 40 dia x 105



SHELL MILL ARBOR

Hardened high grade steel, precision ground.

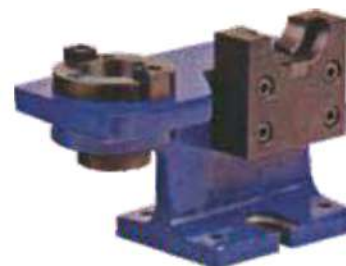
Sizes	Sizes
BT40 - 22 dia x 60	BT40 - 32 dia x 60
BT40 - 22 dia x 90	BT50 - 27 dia x 90
BT40 - 27 dia x 60	BT50 - 32 dia x 75
BT40 - 27 dia x 105	



HORIZONTAL / VERTICAL CNC TOOL TIGHTENING FIXTURE

Used for tightening the tool in the tool holder outside the machine.

Model	Taper
TTF-BT-30	BT-30
TTF-BT-40	BT-40
TTF-BT-50	BT-50



UNIVERSAL ARM MAGNETIC STAND : Model MS-80

- ❑ Rigid locking of the stand by one central knob.
- ❑ Magnetic Base with ON / OFF Switch size : H55 x W50 x L63.
- ❑ Magnetic Pull : 80 Kgs.
- ❑ Dial Holder hole ID = 8mm with micro adjustment.
- ❑ Main stem height = 290 mm.



HORIZONTAL AND VERTICAL ROTARY TABLE

Available in different sizes from 110Ø to 400Ø. Can be mounted horizontally as well as vertically.

Model	Table Dia
SHV-4	110
SHV-6	150
SHV-8	200
SHV-10	250
SHV-12	300
SHV-14	350
SHV-16	400



PERMANENT MAGNETIC LIFTER

'SOGGO' High power permanent magnets ensure steady power for an unlimited period. All lifting magnets are tested as per safety factor of 1:3.5.

Model	Lifting Capacity
SPML-100	100 kgs
SPML-300	300 kgs
SPML-600	600 kgs
SMPL-1000	1000 kgs
SPML-2000	2000 kgs
SPML-3000	3000 kgs



SINE PLATE WITH MAGNETIC CHUCK

Accuracy 0.005mm in parallelism, squareness and center distance of rollers.



MODEL	MAGNETIC TOP SIZE	OVERALL HEIGHT IN CLOSED POSITION
SSP47M	175 x 100	87
SSP66M	150 x 150	87
SSP510M	250 x 125	87
SSP612M	300 x 150	87

TWO-WAY ANGLE MILLING VICE

- Made of high grade cast iron.
- The vice can be adjusted and locked at any angle from the horizontal position to the vertical position and also has swivelling base with rotation of 360°.



Model	Jaw Width	Jaw Depth	Max. Jaw Opening
STW-4	100	41	80
STW-5	125	45	95
STW-6	160	50	125

ANGLOCK MILLING VICE

- Parallelism and square within 0.025mm/100mm.
- Special segment mechanism minimizes jaw lift and Workpiece tilt.
- Ductile iron construction for high durability.



Model	Jaw Width	Jaw Depth	Max. Jaw Opening	Overall Length
SLV-4	100	32	100	310
SLV-6	160	45	150	412
SLV-6L	160	45	200	425
SLV-8	200	50	190	500

All above models available with or without swivel base.

COMPACT ANGLOCK VICE

This is a compact version of Anglock Milling Vice.



4 Nos. Mounting Clamps included

MODEL	JAW WIDTH	JAW DEPTH	MAX. JAW OPENING	OVERALL LENGTH
SCLV-6	160	47	160	390

QUICK ACTION DRILL VICE

Most suitable for production setups on Drilling or Light milling operations. Rapid Clamping / Locking and quick release of workpiece saves cycle time.



Model	Jaw Width	Jaw Depth	Max. Jaw Opening
SQV-100	100	38	100

DRILL MACHINE VICE - HEAVY DUTY

Heavy cast iron construction for rigid clamping.



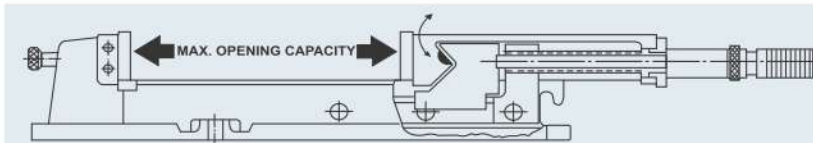
Model	Jaw Width	Jaw Depth	Max. Jaw Opening
SDV-100	100	46	102
SDV-150	160	52	152

LOCK DOWN JAW HYDRAULIC MACHINE VICE

'SAFEMAY' Lock Down Jaw Hydraulic Machine Vice has 'Down thrust semi-sphere segment' mechanism which eliminates jaw lift and work piece tilt. These vices have in-built hydraulic system hence do not require any external hydraulic line. Vice is operated by handle movement as in mechanical vices. Most suitable for Milling machine or Machining centre.

- ☐ High clamping force in forward as well as downward direction is achieved by effortless handle movement.
- ☐ Extra large jaw opening.
- ☐ Rigid Material-vice body made of ductile iron having 80,000 psi tensile strength.
- ☐ Vice bed is flame hardened to HRC 45 which does not wear and maintains accuracy for long.

MODEL	JAW WIDTH	JAW DEPTH	MAX. JAW OPENING	OVERALL LENGTH
PHV-130	130	55	220	505
PHV-160	160	58	300	625
PHV-200	200	63	300	700
PHV-250	250	80	340	810

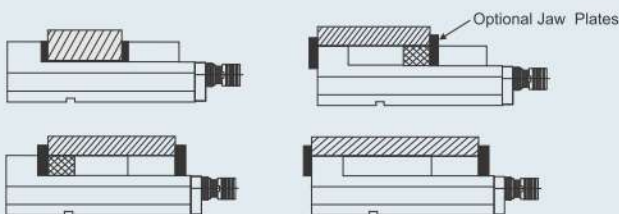


2 KGS of power in this direction
Produce 1 KG of downward.
Down thrust "semi-sphere segment"
Mechanism-eliminates jaw lift and
work-piece tilt.

MC COMPACT HYDRAULIC VICE

This vice has all features of above PHV model including Lock down jaw mechanism. These vices have in-built hydraulic system hence do not require any external hydraulic line. Vice is operated by handle movement as in mechanical vices. Due to its compact design and accuracy, it is more suitable for machining centre for multiple vice setups.

MODEL	JAW WIDTH	JAW DEPTH	MAX. JAW OPENING	MAX. JAW OPENING WITH OPTIONAL JAW PLATES	OVERALL LENGTH
CHV-100 V	101	48	125	320	475
CHV-130 V	131	55	180	380	540
CHV-160 V	161	58	240	470	630
CHV-200 V	201	63	280	540	705


Examples of Clamping


Above vice is also available in one more model with 90° handle driving mechanism as shown below.



CHV-VD Model
with 90° handle driving mechanism

DRILL GRINDING MACHINE

'SAFEMAY' Drill Grinding Machine is a portable machine used for Quick & Accurate grinding of Drill point.

- ☐ Easy operation, precision grinding by unskilled operator.
- ☐ Diamond Wheel for long lasting service life and precise grinding angle.
- ☐ Built-in collet bracket for easy management of collets (All sizes collets supplied with the machine).
- ☐ Grinds point angle as well as chisel edge angle of a drill.
- ☐ Can also grind solid carbide drills with optional Grinding Wheel.

MODEL	DIA. CAPACITY	ANGLE CAPACITY	POWER
SA-1300	3Ø - 13Ø	90° - 144°	Single Phase AC -220 V
SA-2000	3Ø - 20Ø	90° - 144°	Single Phase AC -220 V
SA-2500	13Ø - 26Ø	90° - 144°	Single Phase AC -220 V



Front View



Rear View

Apart from our worldwide customers,
these and many more in India are among
USERS OF TOOLFAST PRODUCTS



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