

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



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.



HORIZONTAL AND VERTICAL ROTARY TABLE

Available in different sizes from 150 Ø to 400 Ø. Can be mounted horizontally as well as vertically.

MODEL	TABLE DIAMETER
GIN-HV150	150
GIN-HV200	200
GIN-HV250	250
GIN-HV300	300
GIN-HV350	350
GIN-HV400	400



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.

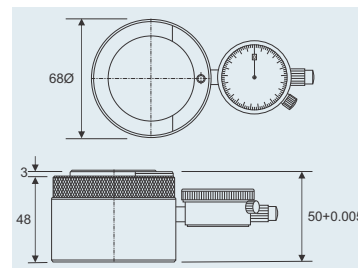


Z-AXIS ZERO SETTER - Model Z-50

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 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 200mm can be achieved by optional cross hole boring tool with HSS Boring bit (GIN Model 5958-902063) 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*	90 mm	18 mm	75	0.01 mm

* Larger boring dia upto 250mm can be achieved by optional cross hole boring tool with indexable insert (GIN Model 5952-BH18-36) available separately.



PRECISION BORING TOOLS - WITH INDEXABLE CARBIDE INSERTS

Boring tools available in shank dia 12mm and shank dia 18mm for BHC2 and BHC3 boring heads respectively. 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 (SET) WITH EIGHT NOS. INDEXABLE INSERTS TYPE BORING BARS.

Complete with boring tools available with different interchangeable shanks such as R8, NT30, NT40, NT50, 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	280 mm	110 mm	20 mm	84 mm	0.005 mm



BORING HEAD - HIGH PRECISION FOR SMALL DIAMETER

GIN-BHW02 Series Boring head is high precision boring head most suitable for small diameters ranging from 3Ø to 50Ø. Different boring tools for different sizes of bores are available separately. All types of shanks are also available separately.

MODEL	OUTER DIA.	BORING BAR HOLE SIZE	OFFSET	LEAST COUNT
GIN-BHW02-50CK6	63.5	16	4.5	0.001



UNIVERSAL BORING AND FACING MASTER HEAD

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 80 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-120	120	50	110

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

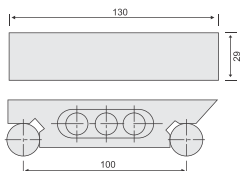
Nonmagnetic GT1, GT2 can be magnetic after being induced on any magnetic chuck.

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



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



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.

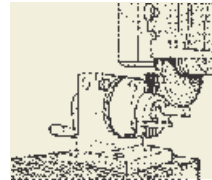


Radius Dressing Attachment is a standard accessory of GIN - PFB which can be held on the V-Block of the Punch Former for radius dressing of grinding wheel upto 200ø



Front view

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

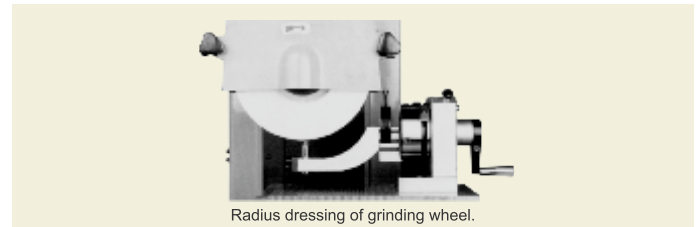


Punch Forming on surface grinding machine



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.

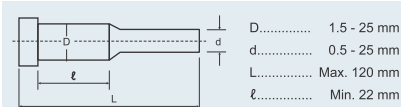
COMPOUND SINE PLATE WITH MAGNETIC CHUCK

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



PUNCH GRINDER - Model GIN-PGA

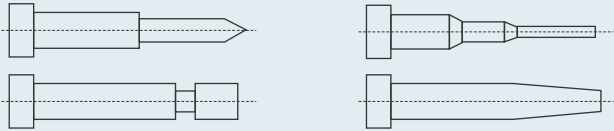
'GIN' Punch grinder is a tool which can be put on the table of surface grinding machine for grinding punches. It can do cylindrical grinding of punches precisely on a surface grinding machine.



D..... 1.5 - 25 mm
d..... 0.5 - 25 mm
L..... Max. 120 mm
l..... Min. 22 mm



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

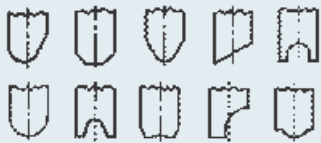
'GIN' Motor Punch grinder is a motorized version of Punch Grinder Model GIN-PGA which eliminates manual handle rotation. It is a single hand portable machine which can be easily kept on grinding machine. With rollers being motor driven, operator can concentrate on machine feeds. Can be used with sine table 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



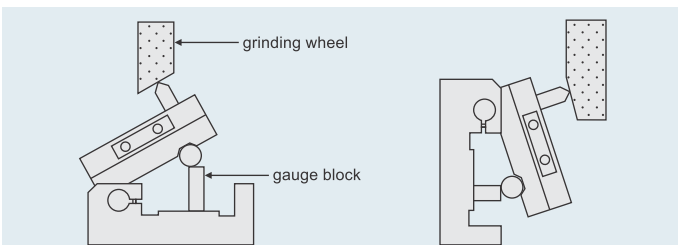
Model GIN RDB for wheel dia up to 8"
Model GIN RDC for wheel dia up to 11"

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.

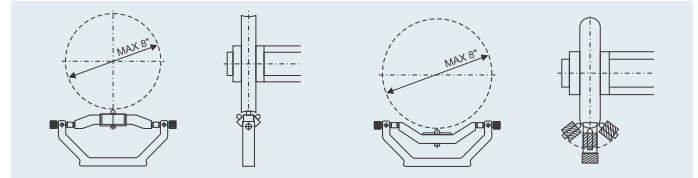


MODEL	OVERALL LENGTH
GIN-AP50	87



RADIUS DRESSER Model GIN-RD40

This dresser is applied on surface grinders to dress the wheels convex or concave. It is suitable for wheels under 8" diameter. The working range are :
Convex R : 0-40R (m/m)
Concave R : 0-90R (m/m)



PRECISION DUPLEX DRESSER

Precision Duplex Dresser is designed to simultaneously dress both sides of a grinding wheel, precisely and without deformation.

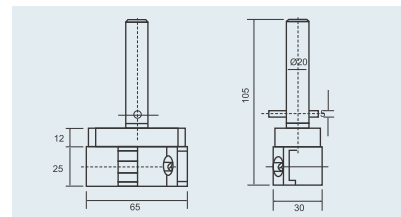
Model	Max width of wheel	Max dressing depth	Min dressing width	Dial Graduation
GIN-DF60	40 mm	40 mm	0.2 mm	0.02 mm / Div.



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	25 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



WIRE EDM CLAMP



CLAMP KIT FOR WIRE EDM



ADJUSTABLE FIXTURES AND
VISES FOR WIRE EDM



S.S. PRECISION VISE
FOR WIRE EDM



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