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**Vertex** в России.

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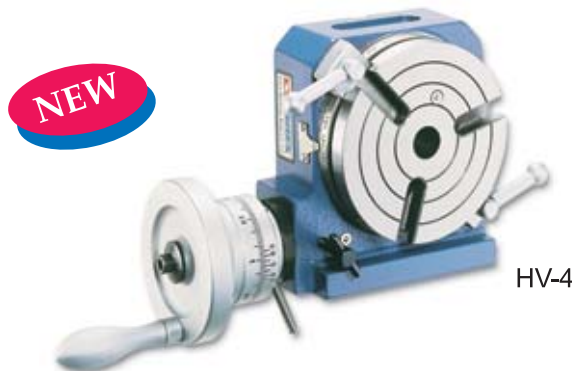


# Horizontal/Vertical Rotary Table

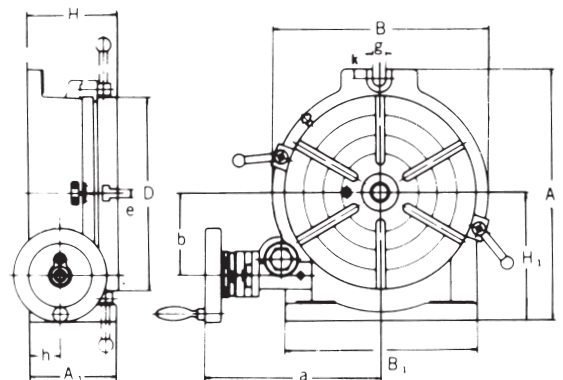


HV-6, 8, 10, 12, 14, 16

## Special Accessories(Details on page 2)



HV-4



## Order No. & Dimensions

Unit:mm/inches

| ORDER NO. | Table          |              |             | Base dimension |              |              | Width of T-solt |                                                                                       | Bolt slots | Center sleeve | Gross Weight kg/lb wooden case(W) Caron(C) | Meas. CFT | CODE NO. |
|-----------|----------------|--------------|-------------|----------------|--------------|--------------|-----------------|---------------------------------------------------------------------------------------|------------|---------------|--------------------------------------------|-----------|----------|
|           | Outer diameter |              | Height      |                |              |              | e               | Type                                                                                  |            |               |                                            |           |          |
|           | A1             | D            | H           | H1             | A            | B            | e               | Type                                                                                  | g          |               |                                            |           |          |
| HV-4      | 70             | 110          | 80          | 85             | 145          | 115          | 11              |  | 12         | MT-2          | (C) 7.5                                    | 0.3       | 1001-000 |
| HV-6      | 78<br>3.07     | 150<br>5.91  | 80<br>3.11  | 100<br>3.94    | 200<br>7.87  | 160<br>6.30  | 11<br>0.43      |  | 15<br>0.59 | MT-2          | (C) 13                                     | 0.4       | 1001-001 |
| HV-8      | 100<br>3.94    | 200<br>7.87  | 105<br>4.13 | 135<br>5.31    | 265<br>10.43 | 220<br>8.66  | 14<br>0.55      |  | 17<br>0.67 | MT-3          | (C) 26                                     | 0.8       | 1001-002 |
| HV-10     | 110<br>4.33    | 250<br>9.84  | 115<br>4.53 | 165<br>6.50    | 325<br>12.80 | 280<br>11.02 | 14<br>0.55      |  | 17<br>0.67 | MT-3          | (C) 37                                     | 2         | 1001-003 |
| HV-12     | 130<br>5.12    | 300<br>11.81 | 135<br>5.32 | 195<br>7.68    | 388<br>15.27 | 330<br>12.99 | 16<br>0.63      |  | 18<br>0.71 | MT-4          | (W) 70                                     | 2.6       | 1001-004 |
| HV-14     | 130<br>5.12    | 350<br>13.78 | 140<br>5.51 | 230<br>9.06    | 450<br>17.72 | 380<br>14.95 | 16<br>0.63      |  | 18<br>0.71 | MT-4          | (W) 93                                     | 3.2       | 1001-005 |
| HV-16     | 150<br>5.90    | 406<br>15.98 | 155<br>6.10 | 255<br>10.03   | 500<br>16.69 | 430<br>16.93 | 16<br>0.63      |  | 18<br>0.71 | MT-4          | (W) 122                                    | 4.2       | 1001-006 |

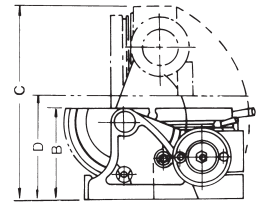
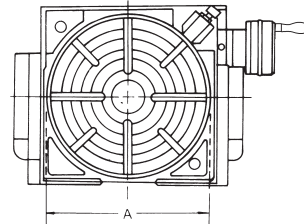
1. Table is made of high density Meehanite and use "HEIDENHAIN" electronic equipment to inspect angle to assure the excellent quality and durability.
2. Use excellent machining center to process. Spindle end be applied accuracy bearing. Can be assured to keep very steady under load cutting.
3. Worm is hardened and ground. The ratio is 90:1. The work table is graduated a full 360° so that one turn of the handle moves the table through 4°. Micro collar is graduated in steps of 1'min. And vernier scale makes settings down to 10 seconds possible.
4. These Rotary Tables are popular for their excellent performance, practical design and reasonable cost. they are widely used for circular cutting work, angle setting, boring, spot-facing and similar work.
5. Used the Key guide block, the center can be corrected both quickly and accurately.

## Test Report

| ITEM NO. | TESTING OBJECTIVE                                                               | VARIATION(INCHES)(MM) MAXIMUM TESTED |  |
|----------|---------------------------------------------------------------------------------|--------------------------------------|--|
| 1        | FLATNESS OF CLAMPING SURFACE(CONCAVE)                                           | .0006(0.015)                         |  |
| 2        | PARALLELISM OF CLAMPING SURFACE TO BASE                                         | .0008(0.02)                          |  |
| 3        | SQUARENESS OF CLAMPING SURFACE TO ANGLE FACE                                    | .0008(0.02)                          |  |
| 4        | TRUE RUNNING OF CLAMPING SURFACE                                                | .0006(0.015)                         |  |
| 5        | TRUE RUNNING OF CENTER HOLE MEASURED AT HOLE EDGE                               | .0008(0.02)                          |  |
| 6        | INDEXING ACCURACY OF DIRECT INDEXING MECHANISM MAXIMUM CUMULATIVE SPACING ERROR | 45"                                  |  |



# Universal Tilting Rotary Table



## Order No. & Dimensions

| ORDER NO.                     | VU-300  |
|-------------------------------|---------|
| TABLE DIAMETER A              | 300mm   |
| TABLE HEIGHT (horizontal) B   | 185mm   |
| TABLE O/A HEIGHT (VERTICAL) C | 370mm   |
| CENTER HOLE                   | MT5     |
| CENTER HEIGHT (vertical) D    | 208mm   |
| DIRECT INDEXING               | 24-div. |
| GEAR RATIO                    | 90:1    |
| WEIGHT(G.W.)                  | 102kg   |
| WEIGHT(N.W.)                  | 93.4kg  |

## ORDER NO. VU-300 CODE NO. 1001-010

This is an accurate and slidly designed table for use on milling, boring and other machine tools. This table allows indexing, facing and other work to be carried out rapidly with extreme precision.

Tilting range 90 degrees from horizontal to vertical position, 1 rotation of handle equals 3 degrees, 5 minutes tilting reading.

- 10 Second Vernier Scale.
- Table Dial 1 Minute Graduations.
- Fast Degrees: Dividing Notch Pin & 24 Holes in 15 Degrees Around The insures Rapid Accurate Spacing.
- Minimum Set-Up time.
- Rugged Construction.

## SPECIAL ACCESSORIES

1.DIVIDING PLATE DP-5

2.TAILSTOCK

TSU-1 HEAVY-DUTY TYPE

TSU-2 ECONOMICAL TYPE

| ORDER NO. | TSU-1    |
|-----------|----------|
| CODE NO.  | 1001-020 |
| WEIGHT    | 23kg     |

| ORDER NO. | TSU-2    |
|-----------|----------|
| CODE NO.  | 1001-021 |
| WEIGHT    | 12kg     |



## SPECIAL ACCESSORIES

### A.DIVIDING PLATES



\*DP set include index plate. crank handle, 3 pcs screw, sector, & U Washer.

1 carton with 1 set. Gross weight:3.5kgs.

Meas.:0.13 CFT.

Number of the holes of Dividing Plates

| ORDER NO.                   | WEIGHT                                                   | CODE NO. |
|-----------------------------|----------------------------------------------------------|----------|
| *DP-1 for HV-4 HV-6 VU-100  | 1.4kg                                                    | 1001-030 |
| A-PLATE                     | 15,16,17,18,19,20                                        |          |
| B-PLATE                     | 21,23,27,29,31,33                                        |          |
| C-PLATE                     | 37,39,41,43,47,49                                        |          |
| ORDER NO.                   | WEIGHT                                                   | CODE NO. |
| *DP-2 for HV RT -8 VU-200   | 4.5kg                                                    | 1001-031 |
| DP-3 for HV RT -10,12,14,16 | 4.5kg                                                    | 1001-032 |
| DP-4 for CS-6,8             | 4.5kg                                                    | 1001-033 |
| DP-5 for VU-300             | 4.5kg                                                    | 1001-034 |
| A-PLATE                     | 26,30,34,38,41,44,47,51,57<br>28,32,37,39,43,46,49,53,59 |          |
| B-PLATE                     | 61,67,71,77,81,87,91,97<br>63,69,73,79,83,89,93,99       |          |

### B.TAILSTOCK

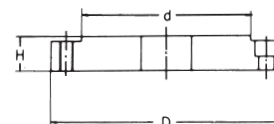


TS-1

Unit:mm

| ORDER NO. | adjustable<br>highest lowest | used of<br>model                                   | G.W<br>kg | Meas.<br>CFT | CODE NO. |
|-----------|------------------------------|----------------------------------------------------|-----------|--------------|----------|
| TS-1      | 110 75                       | HV-4, HV-6, VSI-4<br>BS-0, VU-100<br>VU-150, VSI-5 | 3.9       | 0.4          | 1001-022 |
| TS-2      | 145 115                      | BS-1, CC-6<br>CS-6, HV-8<br>VU-200                 | 12        | 0.4          | 1001-023 |
| TS-3      | 200 130                      | CS-8, HV-10<br>HV-12                               | 13.5      | 0.4          | 1001-024 |
| TS-4      | 260 190                      | HV-14<br>HV-16                                     | 20        | 0.7          | 1001-025 |

### C.FLANGE



Unit:mm

| ORDER NO. | D   | d   | H  | used of<br>model | WEIGHT | CODE NO. |
|-----------|-----|-----|----|------------------|--------|----------|
| FLT-0     | 138 | 100 | 20 | RT-HV- 6,8       | 1.9    | 1001-040 |
| FLT-1     | 170 | 130 | 21 | RT-HV- 8,10      | 3.3    | 1001-041 |
| FLT-2     | 195 | 155 | 24 | RT-HV- 10,12,14  | 5.2    | 1001-042 |
| FLT-3     | 210 | 160 | 24 | RT-HV- 12,14,16  | 4.9    | 1001-043 |

FLT-0 For VSC-5  
FLT-1 For VSC-6  
FLT-2 For VSC-7  
FLT-3 For VSC-8



# Semi-Universal Dividing Head



| ORDER NO. | WEIGHT | CODE NO. |
|-----------|--------|----------|
| BS-0      | 20kgs  | 1001-050 |
| BS-1      | 33kgs  | 1001-051 |

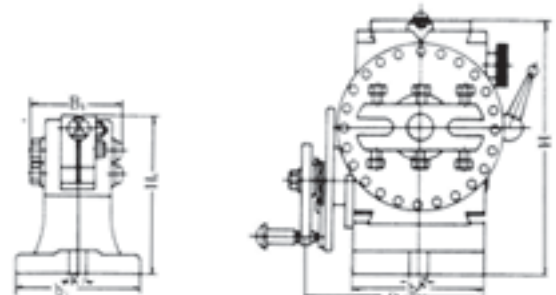
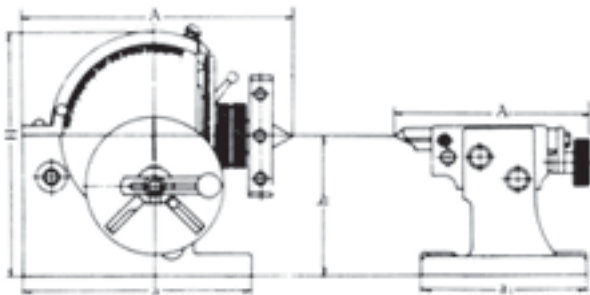
## Standard Accessories



THREAD SPINDLE: BS-0. 1½ -8TPI  
BS-0. 1½ -8TPI

## Dividing Plate A,B,C

| Numbers of hole | Plate A | 15 | 16 | 17 | 18 | 19 | 20 |
|-----------------|---------|----|----|----|----|----|----|
|                 | Plate B | 21 | 23 | 27 | 29 | 31 | 33 |
|                 | Plate C | 37 | 39 | 41 | 43 | 47 | 49 |



Semi-Universal Index B & S Type  
No.0 No.1(Head-stock):

Unit:mm/inches.

| ORDER NO. | A               | B              | H              | h              | a             | b              | g           | TAPER OF CENTER | Diameter of spindle hole |
|-----------|-----------------|----------------|----------------|----------------|---------------|----------------|-------------|-----------------|--------------------------|
| BS-0      | 189<br>7 7/16   | 140<br>5 23/64 | 173<br>6 13/16 | 100<br>3 15/16 | 160<br>6 1/4  | 91<br>3 37/64  | 13<br>33/64 | MT-2            | 18                       |
| BS-1      | 293<br>11 17/32 | 156<br>6 9/64  | 220<br>8 21/32 | 128<br>5 3/64  | 207<br>8 5/32 | 114<br>4 31/64 | 16<br>5/8   | MT-3            | 20                       |

Semi-Universal Index B & S Type  
No.0 No.1 (Tail-Stock):

Unit:mm/inches

| ORDER NO. | A1             | B1            | H1               | h              | a1             | b1           | g1          |
|-----------|----------------|---------------|------------------|----------------|----------------|--------------|-------------|
| BS-0      | 167<br>6 37/34 | 80<br>3 5/32  | 107.5<br>4 15/64 | 100<br>3 15/16 | 130<br>5 1/8   | 92<br>3 2/8  | 13<br>33/64 |
| BS-1      | 191<br>7 33/64 | 88<br>3 15/32 | 137<br>5 25/64   | 128<br>5 3/64  | 150<br>5 29/32 | 108<br>4 1/4 | 16<br>5/8   |

- 1.Dividing Head can divide in any angle by the direct, in-direct, or different methods. The ratio between the worm and the worm gear is 40:1.
- 2.Hardened and ground spindle is rigidly held in a taper roller bearing. Worm is hardened and ground also.
- 3.The swivel head can be locked of any angle from 10° below horizontal to 90° vertical-precision fitting to base assures smooth rotation.
- 4.All models have threaded spindle nose and 24 hole dividing plate with easy conversion to fast direct indexing on numbers 2, 3, 4, 6, 8, 12, and 24.
- 5.Easy indexing of all numbers from 2 to 50 and many numbers from 52 to 380. Model BS-2 is also equipped for different indexing of all numbers from 2 to 380, and for spiral cutting.
- 6.Accurate precision, little backlash, fine appearance and strong structure so can assure smooth rotation.



The state of  
BS-0 fitted with 5" 3-Jaw Chuck



# Universal Dividing Head

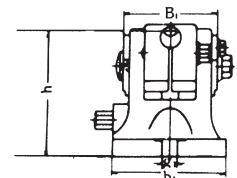
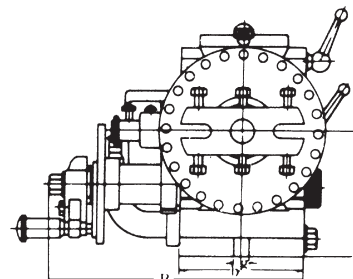
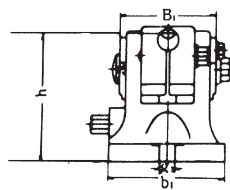
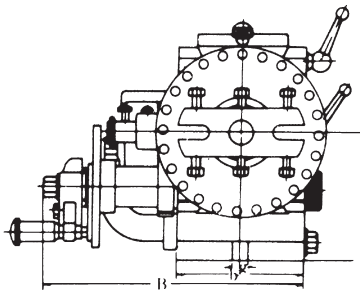


| ORDER NO. | WEIGHT | CODE.NO. |
|-----------|--------|----------|
| BS-2      | 65kgs  | 1001-052 |

## Standard Accessories



**THREAD SPINDLE: 2 1/4"-8TPI**



### Universal Index B & S Type No.2 (Head-stock)

Unit:mm/inches.

| ORDER NO. | A               | B               | H              | h                | a              | b             | g         | Taper of center | Spindle hole |
|-----------|-----------------|-----------------|----------------|------------------|----------------|---------------|-----------|-----------------|--------------|
| BS-2      | 365<br>14 13/32 | 272<br>10 45/64 | 236<br>9 13/64 | 132.7<br>5 15/64 | 213<br>5 25/64 | 134<br>5 9/32 | 16<br>5/8 | MT-4            | 25.4<br>1    |

### BS-2(Tail-stock)

Unit:mm/inches.

| ORDER NO. | A1                          | B1            | H1             | h1               | a1            | b1           | g1        |
|-----------|-----------------------------|---------------|----------------|------------------|---------------|--------------|-----------|
| BS-2      | 205~255<br>8 5/64 ~ 10 5/64 | 86<br>3 15/32 | 139<br>5 15/32 | 132.7<br>5 15/64 | 175<br>6 7/64 | 124<br>4 7/8 | 16<br>5/8 |

| ORDER NO. | Gross Weight kg | Meas. CFT | Applicable Chuck |
|-----------|-----------------|-----------|------------------|
| BS-0      | (C)20           | 0.8       | 4" OR 5"         |
| BS-1      | (C)33           | 1.3       | 5" OR 6"         |
| BS-2      | (C)65           | 3.4       | 6" ,7" OR 8"     |

## TEST REPORT

| ITEM NO. | TESTING OBJECTIVE                                                                                                 | VARIATION (INCHES)(MM)<br>MAXIMUM TESTED |            |
|----------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------|
| 1        | TRUE RUNNING OF CENTER                                                                                            | 0.0006(0.015)                            |            |
| 2        | TRUE RUNNING OF INSIDE TAPER OF DIVIDING SPINDLE<br>(1)MEASURED AT SPINDLE NOSE<br>(2)MEASURED AT ARBOR 8-IN.LONG | (1)0.0004(0.01)<br>(2)0.0012(0.03)       | (1)<br>(2) |
| 3        | AXIAL MOVEMENT OF DIVIDING SPINDLE                                                                                | 0.0004(0.01)                             |            |
| 4        | DIVIDING ACCURACY OF WORM DRIVE MAXIMUM CUMULATIVE SPACING ERROR                                                  | 1'30"                                    |            |

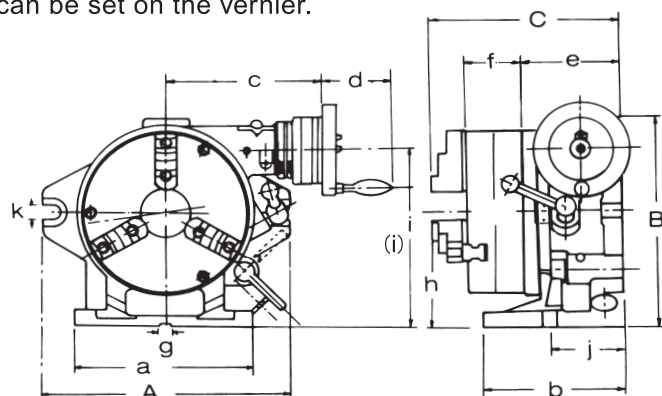


# Super Indexing Spacer



## CS-8 with VSK-8 3-JAW MASKING PLATE & FACE PLATE

This index combines the advantages of the Super Index with those of a worm-gear index. When mounted on a milling, boring or other machine tool it can carry out single-purpose indexing and indirect indexing using the worm-drive mechanism. Disengaging the worm drive the 24-notch master plate permits 2,3, 4,6,8,12 and 24 dividing in the same manner as the Simple Index. When the chuck is removed the unit can be used as a horizontal and vertical type rotary table. The operating handle to rotary table worm gear reduction ratio is 1:90. The operating handle collar is graduated 'in one minute, and readings down to ten seconds can be set on the vernier.



## Special Accessories

The same as Rotay table  
Please see page A2



The state of CS-8 fitted with Face Plate & Dividing Plate

## Order NO. & Dimensions

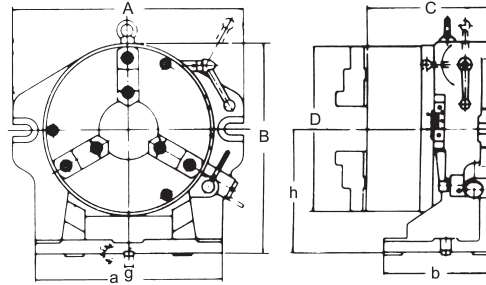
Unit:mm

| ORDER NO. | Numbers of dividing | Chuck          |           |           |           | Face plate |           | A   | B   | C   | a   | b   | c   | d  | e   | f  | g  | h   | i   | j  | k  | Gross Weight kg | Meas. CFT | CODE NO. |
|-----------|---------------------|----------------|-----------|-----------|-----------|------------|-----------|-----|-----|-----|-----|-----|-----|----|-----|----|----|-----|-----|----|----|-----------------|-----------|----------|
|           |                     | Outer diameter | Inner jaw | Outer jaw | Inner dia | Outer dia  | Thickness |     |     |     |     |     |     |    |     |    |    |     |     |    |    |                 |           |          |
| CS-6      | 2,3,4,6             | 167 VSK-6      | 4~42      | 10~156    | 44        | 203        | 50        | 250 | 235 | 221 | 220 | 150 | 184 | 82 | 112 | 66 | 16 | 130 | 186 | 80 | 18 | (W)50           | 1.2       | 1001~060 |
| CS-8      | 8,12,24             | 210 VSK-8      | 4~62      | 10~180    | 63        | 254        | 58        | 310 | 285 | 243 | 225 | 160 | 201 | 82 | 125 | 75 | 16 | 155 | 232 | 90 | 18 | (W)79           | 3.1       | 1001~061 |

(W)Wooden Case (C)Carton Case



# Simple Indexing Spacer



## Special Accessories



## Order No. & Dimensions

Unit:mm

| ORDER NO. | Dividual number | A   | B   | C     | D   | a   | b   | h   | Inner jaw | Guide block g | Outer jaw | Diameter of hole(truuet) | Diameter of hole(truuet) | Gross weight kg | Meas. CFT | CODE NO. |
|-----------|-----------------|-----|-----|-------|-----|-----|-----|-----|-----------|---------------|-----------|--------------------------|--------------------------|-----------------|-----------|----------|
| CC-6      | 2, 3, 4, 6      | 260 | 218 | 156.2 | 167 | 220 | 130 | 130 | 4~42      | 16            | 10~156    | 44                       | 36                       | (C)36           | 0.9       | 1001~062 |
| CC-8      | 8, 12, 24       | 312 | 257 | 173.3 | 200 | 258 | 148 | 155 | 4~62      | 16            | 10~180    | 63                       | 63                       | (C)51           | 1.3       | 1001~063 |

- 1.The center through hole is big to be suitable for the large and long workpiece.
- 2.Hardened and ground 24 position master plate, can index the special angle of 15 with excellent accuracy.
- 3.CS-Type can be used with 2 pcs type 3-Jaw Chuck. And to do similar work. as rotary table when it match with face plate.
- 4.Rapid indexing and easy operation. It's a sharp equipment for mass-production.
- 5.Super Spacer index include 3 jaw chuck, Face plate dia. 10",250mm Masking Plates 2,3,4,6,8,12.
- 6.Simple index include 3-jaw chuck, Masking Plates 2, 3, 4, 6, 8, 12
- 7.Used the key guide block, the center can be corrected both quickly and accurately.

## STANDARDS OF ACCURACY for Simple Index for Super-Dex.

| NO. | Testing Objective                               | Tolerances Unit: inches Permitted Max. |
|-----|-------------------------------------------------|----------------------------------------|
| 1   | Parallelism of table surface to base per 12"    | .0006                                  |
| 2   | True running of axial movement of table surface | .0006                                  |
| 3   | True running of center boss                     | .0004                                  |
| 4   | Squareness of base to angle face per 12"        | .0008                                  |
| 5   | True running of chuck center                    | .0012                                  |
| 6   | Dividing accuracy individual spacing error      | 45"                                    |



# Precision 3-Jaw Scroll Chuck

•Detail specification shown on page E5.E6



- 1.Internal jaws and External Jaws may be used interchangeably.
- 2.This type of chuck is suitable for the operation of mass-production. It is durable and economical.

## Reversible type



**ORDER NO.**  
VSK-6 SUIT FOR CS-6 , CC-6  
VSK-8 SUIT FOR CS-8 , CC-8

For indexer, The fixing hole is from front.

- 1.This type of chuck have wide scope of applications. the hard jaws are suitable for heavy cutting. the soft jaws are suitable for light cutting they maybe used alternately.
- 2.Hard jaws may be used as both internal jaws and external jaws.

## ORDER NO.

VSC-5 SUIT FOR BS-0 OR HV-6  
VSC-6 SUIT FOR BS-1 OR HV-8,10  
VSC-7,8 SUIT FOR BS-2 OR HV-10,12,14  
VSC-10 SUIT FOR HV-14,16



# Precision Index Table



2 PCS hirth coupling

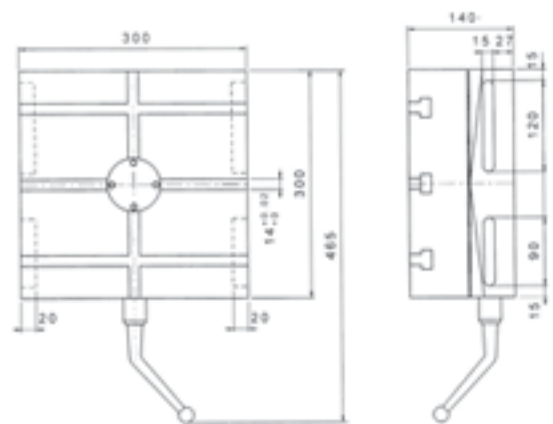
| ORDER NO.                                |              | VIT-300-15   | VIT-450-1                           | VIT-600-1 | VIT-700-1 | VIT-800-1 | VIT-1000-1 | VIT-1200-1 |
|------------------------------------------|--------------|--------------|-------------------------------------|-----------|-----------|-----------|------------|------------|
|                                          |              |              | VIT-450-5                           | VIT-600-5 | VIT-700-5 | VIT-800-5 | VIT-1000-5 | VIT-1200-5 |
| Table size LxW(mm)                       |              | 300x300      | 450x450                             | 600x600   | 700x700   | 800x800   | 1000x1000  | 1200x1200  |
| Height(mm)                               |              | 140          | 170                                 | 200       | 220       | 280       | 300        | 340        |
| Spindle hole(mm)                         |              | -            | ø30                                 | ø40       | ø40       | ø60       | ø60        | ø80        |
| T-slot(mm)                               |              | 14           | 18                                  | 20        | 20        | 22        | 22         | 22         |
| Table rotating                           |              |              | Clockwise and counterclockwise      |           |           |           |            |            |
| Table Lifting up & Clamp down stroke(mm) |              | 5            | 5                                   | 5         | 5         | 5         | 8          | 8          |
| Driving                                  | Longitudinal | Manual       | Air Pressure 5~8kgs/cm <sup>2</sup> |           |           |           |            |            |
|                                          | Revolving    |              | Manual                              |           |           |           |            |            |
| Number of division(degree)               |              | 15°          | 1° or 5°                            |           |           |           |            |            |
| Division(sec.)                           |              |              | ±2                                  |           |           |           |            |            |
| Max.load weight in theory(kgs)           |              | 1200         | 2400                                | 3400      | 3400      | 4500      | 6000       | 7000       |
| Allowable load weight(kgs)               |              | 500          | 1000                                | 2000      | 2000      | 3000      | 5000       | 6000       |
| Clamping capacity(kgs)                   |              | -            | 2200                                | 3200      | 3200      | 5400      | 5400       | 8100       |
| N.W.(kgs)                                |              | 90           | 200                                 | 400       | 600       | 900       | 1200       | 2000       |
| CODE NO.                                 | 1°           | 1001-070(15) | 1001-071                            | 1001-072  | 1001-073  | 1001-074  | 1001-075   | 1001-076   |
| CODE NO.                                 | 5°           |              | 1001-081                            | 1001-082  | 1001-083  | 1001-084  | 1001-085   | 1001-086   |

- 1.The body is FC-35 cast iron, durable and will last longer without deformation.
- 2.Clamping/Unclamping by pneumatic, easy operation.
- 3.Powerful clamping design, allow heavy cutting and boring.

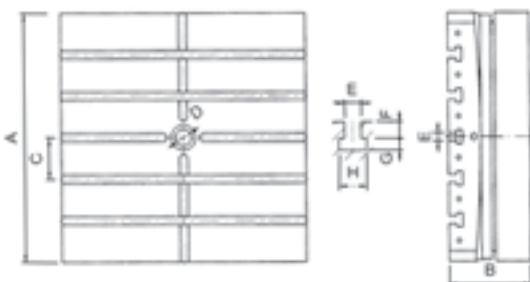
- 4.Build-in 2 pieces hirth coupling for positioning, indexing accuracy +/-3 sec, ensure a long-term operation.
- 5.Suitable for the high accuracy machining such as Boring-Milling, Grinding-Machine.

## DIMENSION

VIT-300



VIT-450~1200



|   | VIT-450 | VIT-600 | VIT-700 | VIT-800 | VIT-1000 | VIT-1200 |
|---|---------|---------|---------|---------|----------|----------|
| A | 450     | 600     | 700     | 800     | 1000     | 1200     |
| B | 170     | 200     | 220     | 280     | 300      | 340      |
| C | 100     | 100     | 125     | 100     | 150      | 200      |
| D | 30      | 40      | 40      | 60      | 60       | 80       |
| E | 18      | 20      | 20      | 22      | 22       | 22       |
| F | 16      | 20      | 20      | 23      | 23       | 23       |
| G | 12      | 14      | 14      | 15      | 15       | 15       |
| H | 28      | 35      | 35      | 38      | 38       | 38       |



# Mini Rotary Table

ORDER NO. HV-4 CODE NO. 1001-000



## OPTIONAL: 1.TAILSTOCK

| ORDER NO. | TS-1     |
|-----------|----------|
| CODE NO.  | 1001-022 |



## 2.DIVIDING PLATE: DP-1

| ORDER NO.           | CODE NO. |
|---------------------|----------|
| *DP-1 for HV RT-4.6 | 1001-030 |



\* DP set include index plate, crank handle, 3 pcs screw, sector, & U Washer.

1 carton with 1 set. Gross weight: 3.5kgs.

Meas.:0.13 CFT.

Number of the holes of Dividing Plates

| A-PLATE | 15,16,17,18,19,20 |
|---------|-------------------|
| B-PLATE | 21,23,27,29,31,33 |
| C-PLATE | 37,39,41,43,47,49 |

1. HORIZONTAL / VERTICAL TYPE
2. TABLE DIA.Ø110m/m. TABLE HEIGHT 26m/m.
3. CENTER BORE MT-2. SLOT ON TABLE 3 NOS.
4. CENTER HEIGHT 80m/m
5. BASE SIZE 145 x 130 x 80m/m
6. WORM IS HARDENED AND GROUND.

THE GEAR RATIO IS 90:1. THE WORK TABLE IS GRADUATED A FULL 360° SO THAT OF THE HANDLE MOVES THE TABLE THROUGH 4°. MICRO COLLAR IS GRADUATED IN STEPS OF 2' MIN.

7. G.W. 7.5KGS
8. CFT. 0.3CUFT

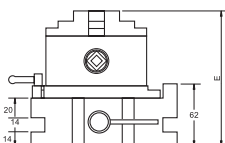
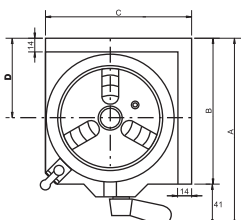


# Economical Type Rapid Index



1. 3 JAW CHUCK VSC-4C, FOR VSI-4 / VSC-5C FOR VSI-5, THE BIG RANGE CLAMPING CAPACITY Ø3 – Ø100, IT'S BETTER THAN COLLET FIXING TYPE.
2. SIMPLE & RAPID OPERATION.
3. DIVIDUAL NUMBER 24-NOTCH (15° EACH)
4. TABLE SCALE 1°, FOR ANGULAR INDEXING.
5. TABLE BORE 30m/m.
6. HORIZONTAL / VERTICAL & 2 DIRECTION
7. SUIT FOR MILLING & DRILLING MACHINE USING.
8. OPTIONAL:TAILSTOCK TS-1, PLEASE SEE PAGE A2

(5C COLLET INDEXER  
NON ECONOMICAL)



| ORDER NO. | A   | B   | C   | D  | E   | kgs | CODE NO. |
|-----------|-----|-----|-----|----|-----|-----|----------|
| VSI-4     | 187 | 146 | 146 | 80 | 135 | 10  | 1001-064 |
| VSI-5     | 202 | 161 | 161 | 87 | 142 | 14  | 1001-065 |



# Universal Tilting Rotary Table

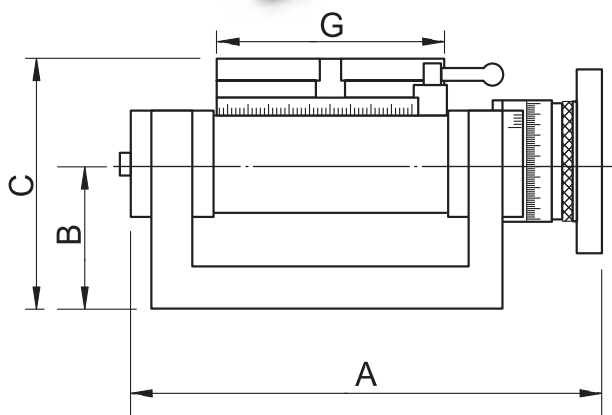
**NEW**



- Tilting range 0-90 degrees from horizontal to vertical position, It is high rigidity.
- Minimum Set-up time has two screws to lock setting. Low profile body for bigger capability.
- Worm is hardened and ground. The ratio is 90:1. The work table is graduated a full 360° so that of the handle moves the table through 4°. Micro collar is graduated in steps of 2' min.
- The tailstock & Dividing plates are optional. The sizes is same as the rotary table, please see page A2.
- For arc or index cutting at milling machine, Grinding machine or drill Machine.....

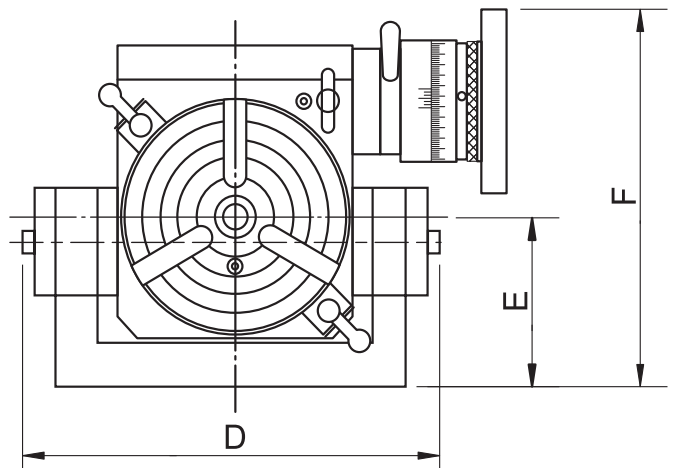
## OPTIONAL: 1.TAILSTOCK

| ORDER NO. | TS-1     |
|-----------|----------|
| CODE NO.  | 1001-022 |



## 2.DIVIDING PLATE: DP-1

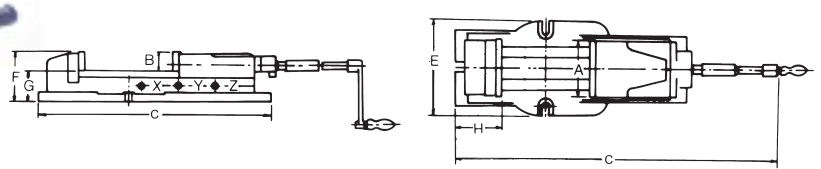
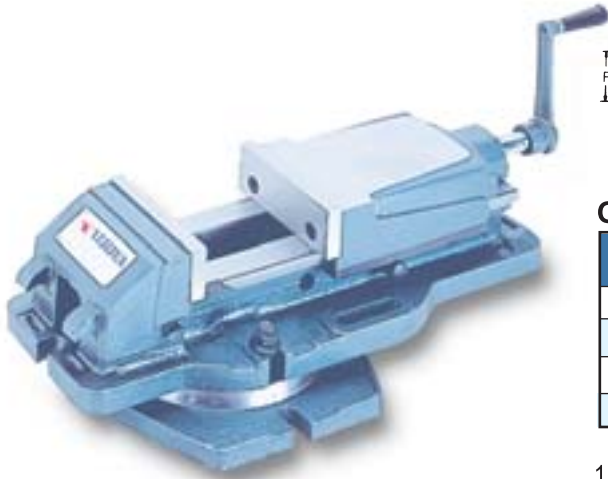
| ORDER NO.             | CODE NO. |
|-----------------------|----------|
| *DP-1 for VU-100, 150 | 1001-030 |
| *DP-2 for VU-200      | 1001-031 |



| ORDER NO. | A   | B  | C   | D   | E   | F   | G   | SUITFUL TAILSTOCK | SUITFUL DIVIDING PLATE | WEIGHT kgs/cuft | CODE NO. |
|-----------|-----|----|-----|-----|-----|-----|-----|-------------------|------------------------|-----------------|----------|
| VU-100    | 228 | 68 | 117 | 202 | 80  | 177 | 100 | TS-1              | DP -1                  | 13.5kgs/1.5     | 1001-011 |
| VU-150    | 266 | 75 | 140 | 246 | 90  | 216 | 150 | TS-1              | DP -1                  | 21kgs/2.0       | 1001-012 |
| VU-200    | 322 | 85 | 165 | 294 | 100 | 276 | 200 | TS-2              | DP -2                  | 50kgs/2.5       | 1001-013 |



# Hydraulic Machine Vise

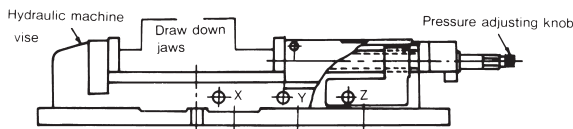


**Order No. & Dimensions**

Unit:mm

| ORDER NO. | A   | B  | C   | D   | E   | F   | G   | H   | Max. Clamp Force | G.W.(kg) | Meas CFT | CODE NO. |
|-----------|-----|----|-----|-----|-----|-----|-----|-----|------------------|----------|----------|----------|
| VH-4      | 100 | 36 | 525 | 430 | 160 | 94  | 60  | 100 | 2500kgs          | (C)28    | 0.8      | 1002-001 |
| VH-5      | 127 | 46 | 670 | 540 | 185 | 118 | 72  | 117 | 4500kgs          | (C)47    | 1.5      | 1002-002 |
| VH-6      | 150 | 51 | 800 | 620 | 240 | 133 | 82  | 125 | 4500kgs          | (C)65    | 2.2      | 1002-003 |
| VH-8      | 200 | 65 | 800 | 710 | 280 | 158 | 100 | 180 | 6500kgs          | (W)110   | 3.6      | 1002-004 |

## CLAMPING CAPACITY (3 STEPS CLAMPING POSITION FIG)

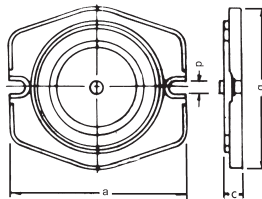


- 1.Ruggedly constructed for milling, drilling,shaping,grinding and many other machine shop applications.
- 2.Body is made of high quality ductile cast iron,resists deflection or bending.
- 3.Sliding bed ways flame hardened and ground.
- 4.Concealed spindle for protection against chips and dirt.
- 5.Hydra-booster system for maximum clamping pressure with minimum fore.
- 6.Quick of clamping & locking and easy of operation.
- 7.Accurance within 0.02mm.
- 8.Furnished with or without swivel base.
- 9.Hydra-booster system is guaranteed for using 2 years limited.
- 10.The hydraulic oil number is 68#.

## CLAMPING CAPACITY Unit:mm

| ORDER NO.   | X     | Y      | Z       |
|-------------|-------|--------|---------|
| VH-4, VHT-4 | 0-60  | 57-115 | 110-170 |
| VH-5        | 0-80  | 78-115 | 140-208 |
| VH-6, VHT-6 | 0-100 | 98-200 | 195-300 |
| VH-8        | 0-100 | 98-200 | 195-300 |

Swivel base

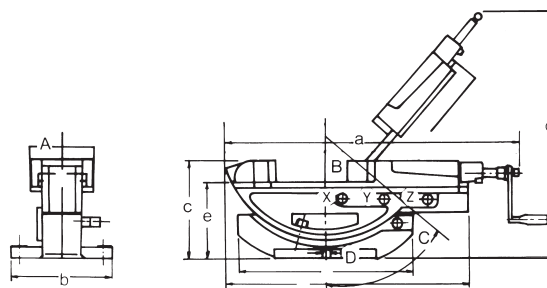


Unit:mm

| ORDER NO. | a   | b   | c  | d  | G.W. (kg) | CODE NO. |
|-----------|-----|-----|----|----|-----------|----------|
| HS-4      | 280 | 210 | 28 | 16 | 4         | 1002-010 |
| HS-5      | 297 | 267 | 33 | 16 | 7         | 1002-011 |
| HS-6      | 335 | 310 | 36 | 19 | 10        | 1002-012 |
| HS-8      | 373 | 355 | 41 | 19 | 16        | 1002-013 |



# Tilting Hydraulic Machine Vise



Unit:mm

| ORDER NO. | A   | B  | C   | D  | a   | b   | c   | d        | e   | Max. Clamp Force | G.W.(kg) | Meas CFT | CODE NO. |
|-----------|-----|----|-----|----|-----|-----|-----|----------|-----|------------------|----------|----------|----------|
| VHT-4     | 104 | 36 | 50° | 14 | 523 | 162 | 177 | MAX. 450 | 141 | 2500kgs          | (W)33    | 1.2      | 1002-020 |
| VHT-6     | 154 | 51 | 50° | 14 | 801 | 242 | 237 | MAX. 580 | 186 | 4400kgs          | (W)81    | 4.4      | 1002-021 |

- 1.The same as characters of VH type.Swivel base same as VH type.
- 2.Tilting seat set by two locking screws, works in high stability.
- 3.Angle setting ranges from 0°~50°.Tilting degrees grabuated for easy reading.Swivel base graduated to 360° and fixable in any position.
- 4.THE (3 STEPS CLAMPING POSITION)SAME AS VH TYPE.
- 5.Accurance within 0.02mm
- 6.Hydra-booster system is guaranteed for using 2 years limited.

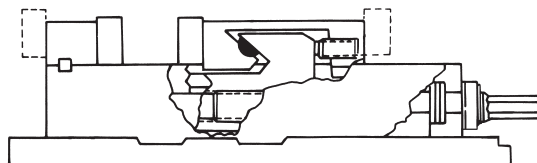
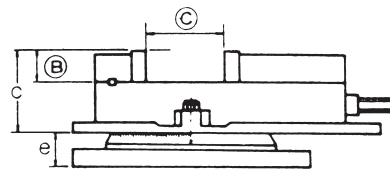
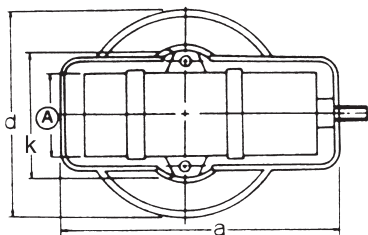


# Ang-Fixed Milling Vise



**NEW**

VD-675, VD-810 is NEW  
VD-675 6" opened 7 1/2"  
VD-810 8" opened 10"



1. Use highest quality ductile Iron 80000 PSI for minimum bending.
2. The enclosed lead screw and sliding surface are hardened and grounded.
3. Highest clamping power. It's very accurate and durable.
4. This Vise is so designed that the horizontal force generated by tightening the handle pushes the semi-sphere within the movable jaw and thus thrusts the movable jaw downward.

Therefore, the workpiece does not move up, even if it is held at the top of the jaw plates.

5. Four setting positions of the jaw plates are available, widening the jaw plates opening.
6. The new VD675, VD810 have two major improvements: a wide opening jaw and a new stationary jaw that features an integral key larger fasteners which reduce deflection by 50%.

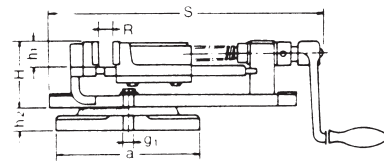
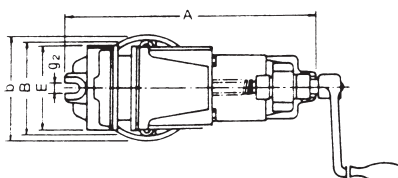
## Order No. & Dimensions

Unit: mm/inches

| ORDER NO. | A            | B           | C            | a               | k             | c              | d               | e             | f          | Gross weight kg |                  | Meas. CFT | CODE NO. |
|-----------|--------------|-------------|--------------|-----------------|---------------|----------------|-----------------|---------------|------------|-----------------|------------------|-----------|----------|
|           |              |             |              |                 |               |                |                 |               |            | plain           | with swivel base |           |          |
| VA-4      | 102<br>4 1/8 | 36<br>1 3/8 | 103<br>4 1/8 | 325<br>12 13/16 | 165<br>6 1/2  | 96<br>3 25/32  | 243<br>9 9/16   | 31<br>1 1/8   | 6<br>1/4   | 16<br>3/8       | (C) 20           | 0.5       | 1002-030 |
| VA-5      | 131<br>5 1/8 | 36<br>1 3/8 | 110<br>4 3/8 | 357<br>14 1/16  | 193<br>7 5/8  | 101<br>3 31/32 | 278<br>11       | 32<br>1 3/4   | 7<br>7/16  | 25<br>5/8       | (C) 30           | 0.9       | 1002-031 |
| VA-6      | 152<br>6     | 46<br>2     | 142<br>5 5/8 | 418<br>16 7/16  | 209<br>8 1/4  | 119<br>4 11/16 | 328<br>12 29/32 | 39<br>1 7/8   | 9<br>3/8   | 36<br>1 1/2     | (C) 42           | 1.5       | 1002-032 |
| VA-8      | 200<br>7 7/8 | 62<br>2 5/8 | 197<br>7 3/4 | 548<br>21 5/8   | 295<br>11 5/8 | 147<br>5 13/16 | 416<br>16 3/8   | 45<br>1 25/32 | 11<br>7/16 | 70<br>1 5/8     | (W) 80           | 2.7       | 1020-033 |
| VD675     | 152<br>6     | 38<br>1 1/2 | 190<br>7 1/2 | 552<br>21 3/4   | 295<br>11 5/8 | 134<br>5 1/8   | 381<br>15       | 47<br>1 7/8   | 11<br>7/16 | 37<br>1 1/2     | (C) 43           | 1.5       | 1002-034 |
| VD810     | 203<br>8     | 50<br>2     | 250<br>10    | 552<br>21 3/4   | 295<br>11 5/8 | 134<br>5 1/8   | 381<br>15       | 47<br>1 7/8   | 11<br>7/16 | 70<br>1 5/8     | (W) 102          | 2.7       | 1002-035 |



# K-Type Milling Vise



1. It's a practical piece of equipment with excellent precision and a high quality finished.
2. Body, movable jaw and swivel base made of close-grained high tensile iron castings. Built for heavy duty machining and retained accuracy.
3. Jaw plates of hardened and ground tool steel.
4. It's the most suitable for the Milling, Grinding and Drilling.

## Order No. & Dimensions

Unit: mm

| ORDER NO. | E   | A   | B   | H   | R   | S   | a   | b   | h1 | h2 | g1 | g2 | G.W(kg) | Meas. CFT | CODE NO. |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|---------|-----------|----------|
| VK-4      | 100 | 267 | 106 | 75  | 62  | 295 | 160 | 114 | 30 | 25 | 13 | 13 | (C)10   | 0.2       | 1002-040 |
| VK-5      | 125 | 345 | 128 | 98  | 85  | 370 | 208 | 150 | 37 | 30 | 12 | 12 | (C)17   | 0.5       | 1002-041 |
| VK-6      | 150 | 421 | 160 | 105 | 114 | 462 | 245 | 175 | 40 | 40 | 16 | 16 | (C)27   | 1.1       | 1002-042 |
| VK-8      | 200 | 576 | 215 | 144 | 150 | 620 | 340 | 230 | 58 | 45 | 18 | 18 | (W)57   | 1.5       | 1002-043 |

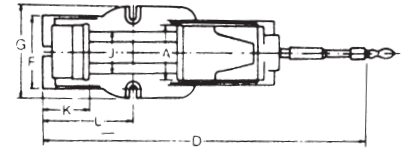
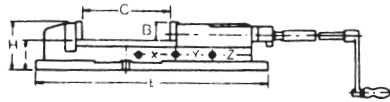


# Super Open Vise

MECHANICAL TYPE



EXCEPT THE HYDRAULIC SYSTEM,  
THE FEATURE IS SAME AS VH-TYPE



## Order No.& Dimensions

Unit:mm

| ORDER NO. | A   | B  | C   | D   | E   | F   | G   | H   | I  | J   | K   | L   | G.W. (kg) | Meas CFT | CODE NO. |
|-----------|-----|----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----------|----------|----------|
| VJ-400    | 100 | 36 | 170 | 525 | 430 | 130 | 160 | 94  | 60 | 78  | 100 | 155 | (C) 21    | 0.8      | 1002-050 |
| VJ-500    | 127 | 46 | 220 | 670 | 540 | 165 | 185 | 118 | 72 | 97  | 117 | 185 | (C) 32    | 1.5      | 1002-051 |
| VJ-600    | 150 | 51 | 300 | 800 | 620 | 200 | 240 | 133 | 82 | 116 | 125 | 247 | (C) 45    | 2.2      | 1002-052 |

VJ-400 JAW OPENED 170mm  
VJ-500 JAW OPENED 220mm  
VJ-600 JAW OPENED 300mm



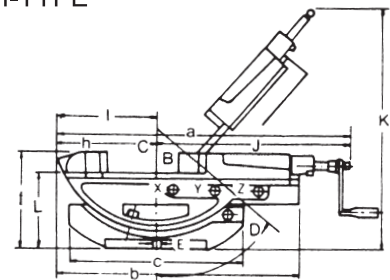
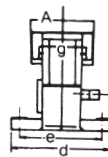
# 2-Way Angle Milling Vise

EXCEPT THE HYDRAULIC SYSTEM,  
THE FEATURE IS SAME AS VHT-TYPE  
VWT-4 JAW OPENED 100mm  
VWT-6 JAW OPENED 300mm



VWT-4

VWT-6



## Order No.& Dimensions

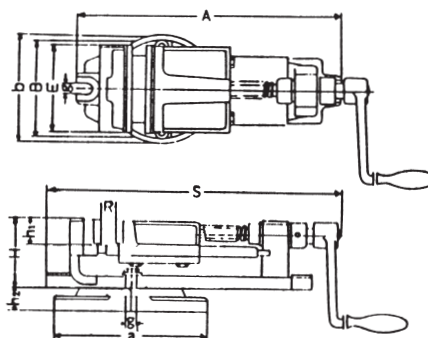
Unit:mm

| ORDER NO. | A   | B  | C   | D  | E  | a   | b   | c   | f   | h   | I   | L   | G.W. (kg) | Meas CFT | CODE NO. |
|-----------|-----|----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----------|----------|----------|
| VWT-4     | 104 | 36 | 100 | 50 | 14 | 523 | 404 | 325 | 177 | 90  | 184 | 141 | (C) 25    | 1.2      | 1002-060 |
| VWT-6     | 154 | 51 | 300 | 50 | 16 | 801 | 585 | 415 | 237 | 121 | 241 | 186 | (W) 80    | 4.4      | 1002-061 |



# High Jaw Machine Vise

JAW HEIGHT 75mm  
JAW OPENED 150mm

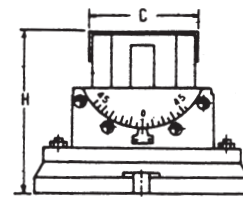
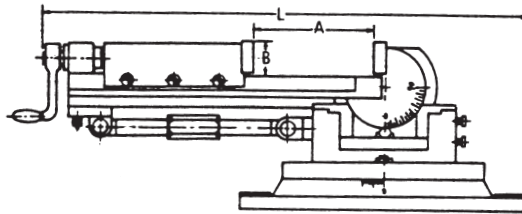


Unit:mm

| ORDER NO. | E   | A   | B   | H   | R   | S   | A1  | D   | h1 | h2 | G  | G1 | WEIGHT | CODE NO. |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|--------|----------|
| V-606V    | 150 | 580 | 160 | 145 | 150 | 620 | 245 | 175 | 75 | 40 | 16 | 16 | 43kgs  | 1002-070 |



## 3-Way Angle Milling Vise



Order No. & Dimensions

Unit:mm

| ORDER NO. | Jaw   |     |    | H   | L   | Height at vertical position | Gross Weight kg | Meas CFT | CODE NO. |
|-----------|-------|-----|----|-----|-----|-----------------------------|-----------------|----------|----------|
|           | Width | A   | B  |     |     |                             |                 |          |          |
| VW-3      | 80    | 90  | 30 | 144 | 400 | 385                         | (C)21           | 0.7      | 1002-080 |
| VW-4      | 106   | 105 | 38 | 172 | 460 | 470                         | (C)33           | 1.2      | 1002-081 |
| VW-5      | 132   | 140 | 40 | 205 | 625 | 590                         | (W)53           | 1.6      | 1002-082 |

1. Angles can be set in 3 dimensions. Swivels 360° around base. The vise can be elevated through 90° from the horizontal to vertical. And also can be tilted on its lower angle base up to 45° in both right and left.
2. Tilting of any angle all keep the workpiece steady, smooth.
3. Particularly the clamping part of screw is strengthened by a bush made of gumetal.



## 2-Way Machine Vise



- heavy cast iron structure
- scales in both axis
- 360° swivel around Z-axis
- 90° vertical and horizontal swivel

mm

| ORDER NO.          | VWT-5       |
|--------------------|-------------|
| jaw width          | 125         |
| jaw height         | 46          |
| max. opening       | 100         |
| alignment slot     | 16          |
| height             | 160mm       |
| L x W x H(OVERALL) | 410x315x160 |
| WEIGHT             | 35kg        |
| PACKING            | 420x290x210 |
| CODE NO.           | 1002-090    |



## Heavy Duty Machine Vise

ENGLAND TYPE



NEW

- Vice body made from high grade iron for rigidity.
- Low overall height.
- Moving jaw runs in long prismatic slides with provision for wear adjustment.
- Hardened and ground steel jaw plates supplied as standard.
- Totally enclosed acme screw with three point location operating in a phosphor bronze nut.

| ORDER NO.                   | VWA-160     |
|-----------------------------|-------------|
| Width of jaws               | 150         |
| Max jaw opening             | 165         |
| Depth of jaws               | 50          |
| Overall size of swivel base | 530x215     |
| Overall height              | 100         |
| Net weight (kg)             | 35          |
| Packing(mm)                 | 560x205x165 |
| CODE NO.                    | 1002-100    |



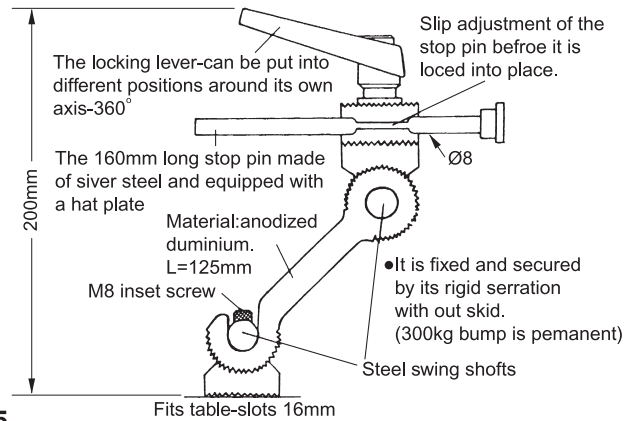
# U/N Work Stopper



**NON TEETH TYPE**  
ORDER NO. VWS-123  
CODE NO. 1002-105  
WEIGHT: 1kg



**ORDER NO. VWS-125**  
CODE NO. 1002-106  
WEIGHT: 1kg



# Prisma Jaw

## PRISMA JAW



### ORDER NO.

VWS-VK-4.5.6.8 VWS-VW-3.4.5  
VWS-VA-4.5.6.8 VWS-VMC-4.6  
VWS-VH-4.5.6.8 VWS-VQS-3, 4, 5  
VWS-VJ-400.500.600

| ORDER NO. | WEIGHT | CODE NO. |
|-----------|--------|----------|
| VWS-VK-4  | 0.22kg | 1002-110 |
| VWS-VK-5  | 0.31kg | 1002-111 |
| VWS-VK-6  | 0.41kg | 1002-112 |
| VWS-VK-8  | 1.2kg  | 1002-113 |

| ORDER NO. | WEIGHT | CODE NO. |
|-----------|--------|----------|
| VWS-VW-3  | 0.21kg | 1002-120 |
| VWS-VW-4  | 0.31kg | 1002-121 |
| VWS-VW-5  | 4.1kg  | 1002-122 |

| ORDER NO. | WEIGHT | CODE NO. |
|-----------|--------|----------|
| VWS-VA-4  | 0.4kg  | 1002-130 |
| VWS-VA-5  | 0.51kg | 1002-131 |
| VWS-VA-6  | 0.96kg | 1002-132 |
| VWS-VA-8  | 1.76kg | 1002-133 |

| ORDER NO. | WEIGHT | CODE NO. |
|-----------|--------|----------|
| VWS-VMC-4 | 4.1kg  | 1002-140 |
| VWS-VMC-6 | 0.96kg | 1002-141 |

| ORDER NO.  | WEIGHT | CODE NO. |
|------------|--------|----------|
| VWS-VJ-400 | 0.3kg  | 1002-163 |
| VWS-VJ-500 | 0.51kg | 1002-164 |
| VWS-VJ-600 | 0.94kg | 1002-165 |

| ORDER NO. | WEIGHT | CODE NO. |
|-----------|--------|----------|
| VWS-VH-4  | 0.41kg | 1002-150 |
| VWS-VH-5  | 0.71kg | 1002-151 |
| VWS-VH-6  | 0.91kg | 1002-152 |
| VWS-VH-8  | 1.81kg | 1002-153 |

| ORDER NO. | CODE NO. |
|-----------|----------|
| VWS-VQS-3 | 1002-160 |
| VWS-VQS-4 | 1002-161 |
| VWS-VQS-5 | 1002-162 |



# Universal Vise Jaws With Work Stopper



### ORDER NO. VWSJ-4.5.6.8

- 1.Can be fixed on any vise jaw by the two screws on the side.
- 2.One jaw in multiple-function features.
- 3.V-type jaw can fix workpiece at horizontal and vertical position.
- 4.Can be performed as work stopper.



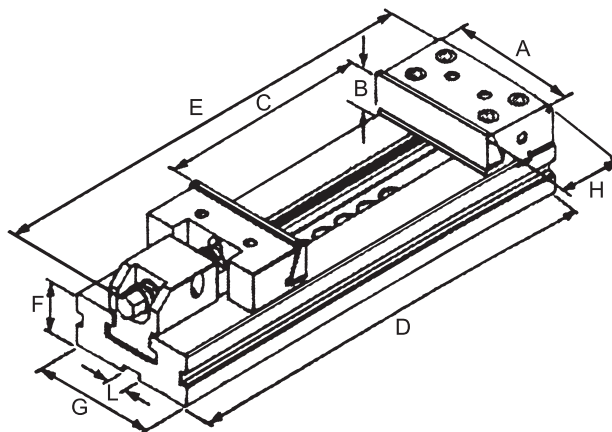
### ORDER NO.I.D. Chart:

VWSJ-□—— VISE JAW SIZE  
(Unit:inch)  
└—— SYSTEM NO.

| ORDER NO. | WEIGHT | CODE NO. |
|-----------|--------|----------|
| VWSJ-4    | 1.5kg  | 1002-170 |
| VWSJ-5    | 1.7kg  | 1002-171 |
| VWSJ-6    | 2kg    | 1002-172 |
| VWSJ-8    | 4kg    | 1002-173 |



# Modular Precision Machine Vises



## FEATURES

- High Accuracy
- Unlimited Clamping Range
- High Quality Alloy Steel
- High Clamping Pressure
- EACH ONE IS SAME AS HEIGHT.
- CAN BE USED MULTIPLE STYLE.
- No Length of Height Limitations
- No Jaw Lift
- Low Profile
- All Vises are Matched
- Swivel base be optional

**MODULAR VISES** are manufactured under rigid quality control. Only the most suitable materials are used, and the accuracy of even the smallest components is assured. As a result of the high standard construction **MODULAR VISES** can be depended upon to maintain their accuracy under the most severe operating conditions. The modular design and the concept of interchangeability makes possible a wide variety of set up combinations.

| ORDER NO. | VMP-4    | VMP-5    | VMP-6    | VMP-7A   | VMP-7B   | VMP-7C   | VMP-8B   | VMP-8C   |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|
| A         | 100      | 125      | 150      | 175      | 175      | 175      | 200      | 200      |
| B         | 30       | 40       | 50       | 60       | 60       | 60       | 65       | 65       |
| C         | 100      | 150      | 200      | 200      | 300      | 400      | 300      | 400      |
| D         | 275      | 350      | 426      | 455      | 555      | 655      | 595      | 695      |
| E         | 325      | 146      | 530      | 620      | 620      | 620      | 718      | 718      |
| F         | 35       | 40       | 50       | 58       | 58       | 58       | 70       | 70       |
| G         | 75       | 96       | 125      | 145      | 145      | 145      | 170      | 170      |
| H         | 78       | 78       | 90       | 97       | 97       | 97       | 114      | 114      |
| I         | 16       | 16       | 16       | 16       | 16       | 16       | 16       | 16       |
| KG        | 7        | 18       | 29       | 38       | 43       | 48       | 69       | 74       |
| CODE NO.  | 1002-190 | 1002-191 | 1002-192 | 1002-193 | 1002-194 | 1002-195 | 1002-197 | 1002-198 |



# Lock-Fixed II Precision Machine Vise

## ORDER NO.

VMC-4

VMC-6

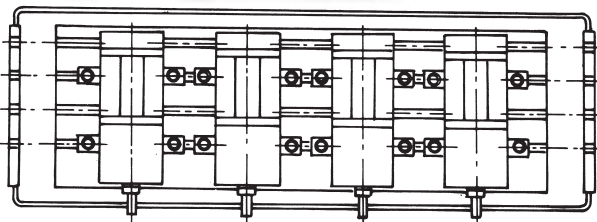
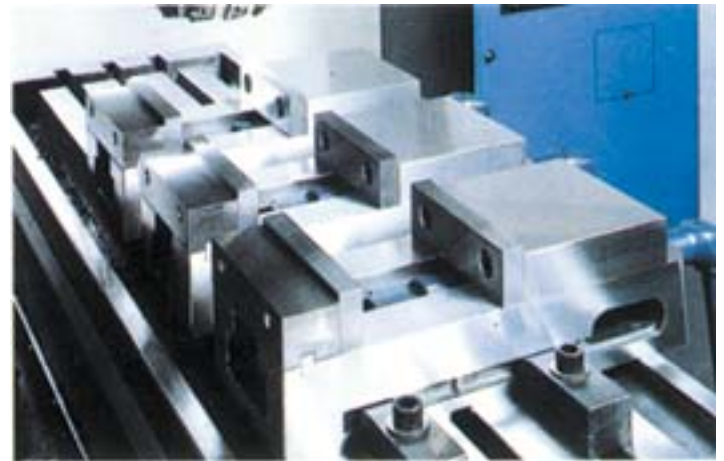
A. With the ability of lock-fixed III 2,3,4,5,.

B. Use the semi-sphere segment principle.

C. When operate several vises (in a row) put on one machine bed, the using situation is showed as following:



Performed sided vertically.



Performed jointly.

| ORDER NO. | JAW WIDTH | LENGTH | HEIGHT | JAW HEIGHT | JAW OPENING | KEY WAY | MEAS CUFT | WEIGHT (kg) | CODE NO. |
|-----------|-----------|--------|--------|------------|-------------|---------|-----------|-------------|----------|
| VMC-4     | 101.6     | 343    | 89     | 31.5       | 100         | 14      | 0.4       | 14          | 1002-185 |
| VMC-6     | 152.5     | 435    | 110    | 44         | 142         | 16      | 1.1       | 31          | 1002-186 |

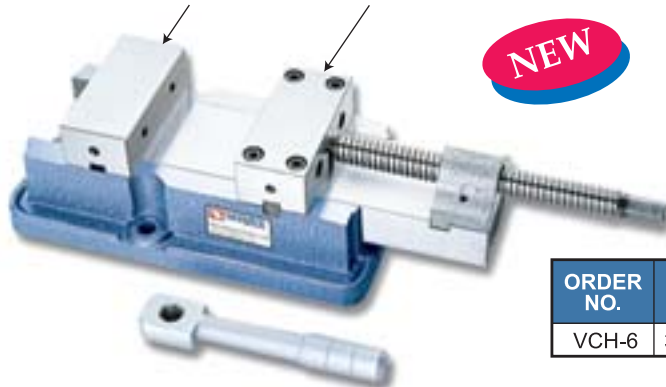


# Heavy Duty Milling Vise

MOVABLE JAW

FIXED JAW

NEW



## FEATURES

A. Stationary front jaw

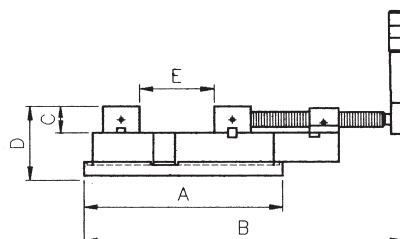
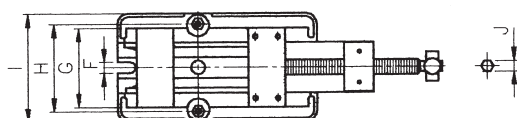
B. The back jaw moves along with the slide reducing the tendency towards deflection preventing the workpieces from tilting.

C. Jaw and body are steel construction

D. Hardened & ground on all sliding and contacting surface

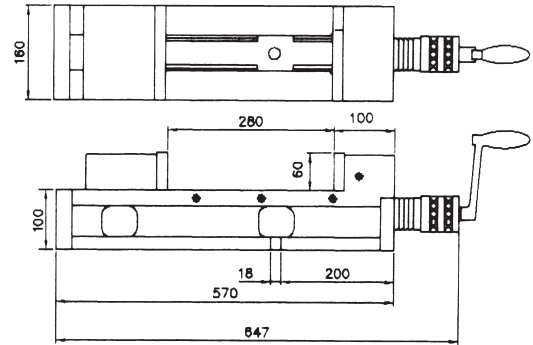
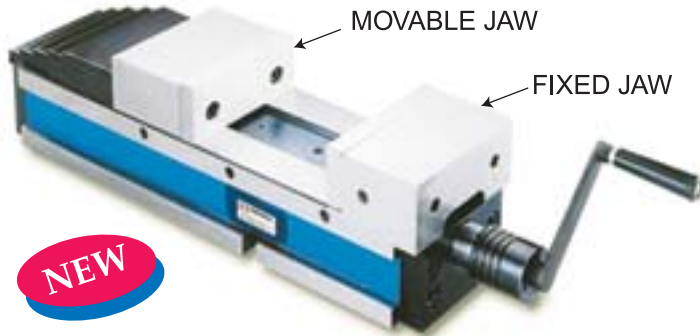
E. Ideal for CNC application.

| ORDER NO. | A   | B   | C  | D   | E   | F  | G   | H   | I   | J  | G.W (kg) | CODE NO. |
|-----------|-----|-----|----|-----|-----|----|-----|-----|-----|----|----------|----------|
| VCH-6     | 360 | 630 | 48 | 127 | 210 | 18 | 145 | 160 | 198 | 19 | 40       | 1002-199 |



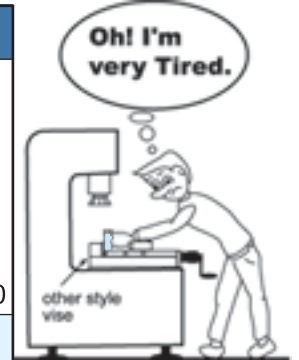


# Convenience Hydraulic Machine Vise

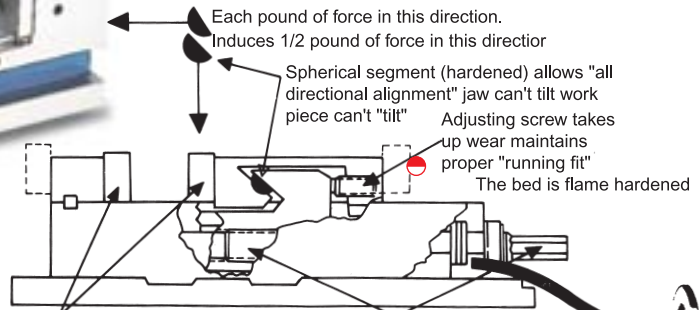


- Movable jaw located at outer end and "align surface" for workpiece is in front of operator. It is convenient for loading or unloading workpiece on such design of hydraulic vise.
- The overall length of this vise is shorter than other similar vises, but keep the same jaw opening. Save space on work table.
- Semi-spherical segment eliminates jaw lifting and workpiece tilting.
- Vise bed flame hardened to HRC 45 up is capable to obtain low weariness and last the high accuracy for long.
- Chip covers is applied on this vise to prevent from chips falling to Leadscrew and inside of vise.

| ORDER NO.       | VCH-160     |
|-----------------|-------------|
| WIDTH OF JAW    | 160mm       |
| JAW OPENING     | 280mm       |
| DEPTH OF JAWS   | 60mm        |
| OVERALL LENGTH  | 647mm       |
| CLAMPING FORCE  | 4500kgs     |
| NET WEIGHT (KG) | 60kgs       |
| PACKING(MM)     | 700X185X180 |
| CODE NO.        | 1002-200    |



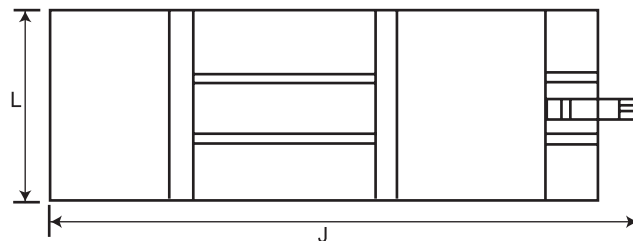
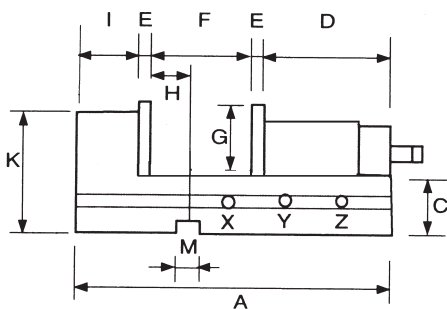
# Hydraulic Ang-Fixed Vise



Moveable jaw plates (hardened and ground) increase capacity of 6" vise up to 14 1/2" in-out-side position (dotted lines)

Vies screw defies wear-enclosed for protection

Beaing thrust collar cuts friction and increases clamping pressure



| ORDER NO. | A   | B  | C   | D   | E    | F    |        |         | G  | H  | I    | J   | K   | L   | M  | CLAMPING FORCE | N.W. | CODE NO. |
|-----------|-----|----|-----|-----|------|------|--------|---------|----|----|------|-----|-----|-----|----|----------------|------|----------|
|           |     |    |     |     |      | X    | Y      | Z       |    |    |      |     |     |     |    |                |      |          |
| VAF-4     | 385 | 14 | 58  | 179 | 12.5 | 0-85 | 85-170 | —       | 42 | 45 | 64.5 | 440 | 98  | 105 | 18 | 2500kg         | 22kg | 1002-210 |
| VAF-6     | 505 | 19 | 85  | 250 | 15.5 | 0-90 | 90-180 | 180-270 | 57 | 65 | 84.5 | 698 | 140 | 152 | 18 | 5000kg         | 50kg | 1002-211 |
| VAF-8     | 576 | 19 | 102 | 252 | 18.5 | 0-98 | 97-198 | 197-300 | 62 | 82 | 89.5 | 760 | 162 | 200 | 18 | 7000kg         | 80kg | 1002-212 |



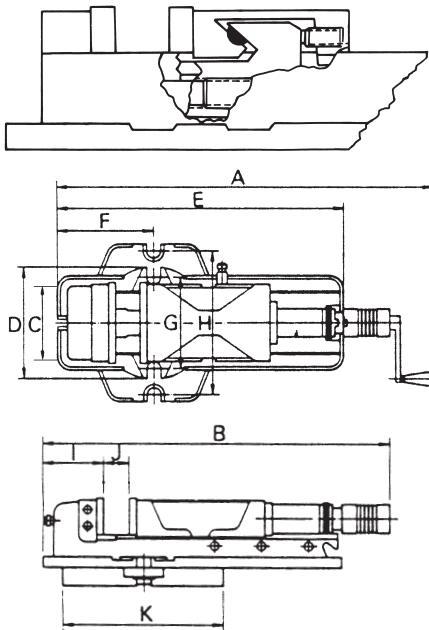
# Hydraulic Machine Vise Build Out Type



## FEATURES

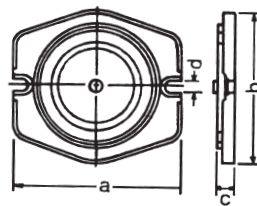
- Rigid material-vise body of ductile iron FCD 60JIS(equal to GGG 60) with 60kgs/mm<sup>2</sup> or 80,000 psi tensile strength.
- Vise bed flame hardened to HRC 45 and up takes up wear and maintain accuracy for long.
- For multiple use plural vises are available on tolerance of 0.01mm in the height of vise bed and in alignment of the clamping surface of the vise jaw at extra cost.
- Mechanic/hydraulic spindle without original clutch mechanism.
- Down thrust "Semi-sphere Segment" mechanism-eliminates jaw lift and work tilt.
- All surface ground.

Unit:mm



| ORDER NO. | A           | B           | C   | D   | E   | F   | G   | H   | I   | J     | K   | CLAMPING FORCE | N.W.   | CODE.NO. |
|-----------|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|-------|-----|----------------|--------|----------|
| VHO-5     | 695<br>920  | 570<br>795  | 130 | 190 | 505 | 180 | 160 | 250 | 105 | 0-220 | 260 | 3500kg         | 41kgs  | 1002-220 |
| VHO-6     | 750<br>1060 | 625<br>935  | 160 | 240 | 625 | 208 | 196 | 300 | 125 | 0-300 | 320 | 4000kg         | 63kgs  | 1002-221 |
| VHO-8     | 830<br>1140 | 725<br>1035 | 200 | 280 | 700 | 265 | 240 | 360 | 165 | 0-310 | 365 | 6000kg         | 102kgs | 1002-228 |

## Swivel Base Optional



| ORDER NO. | A   | B   | C  | D  | N.W.     | CODE NO. |
|-----------|-----|-----|----|----|----------|----------|
| HSO-5     | 285 | 263 | 35 | 16 | 12.5 Kgs | 1002-222 |
| HSO-6     | 330 | 320 | 40 | 18 | 16.5 Kgs | 1002-223 |
| HSO-8     | 415 | 413 | 50 | 21 | 35Kgs    | 1002-229 |



# Double Clamp Vise

**NEW DESIGN & UNIQUE CONSTRUCTION.**  
**EXCLUSIVELY DESIGNED WITH COMBINATION OF**  
**MACHINABLE FIXTURE JAWS AND HARD JAWS**



## DOUBLE CLAMP SEAT:

One handle can simultaneously operate two movable jaws and clamps 2 pieces of workpiece of same size or different size or one large workpiece. This model can increase efficiency and productivity of CNC machine.

## HIGH & EXCELLENT RIGIDITY.

The vise is made of FCD. 80000 PSI (55 kg/cm<sup>2</sup>) Ductile iron, and the slide ways are hardened to HRC45. The rigid construction prevents the base from distortion. Precision made to high accuracy standard.

1. The whole body is precisely grounded and height tolerance is within 0.025m/m(0.001"), therefore several vises can be lined p for production
2. The movable jaws provide alignment to workpiece without jaw lift.
3. The height of jaw plate is 30% higher than the other vise with the same size.
4. There are 6 kinds of clamping ways to meet workpieces of different shapes and sizes.

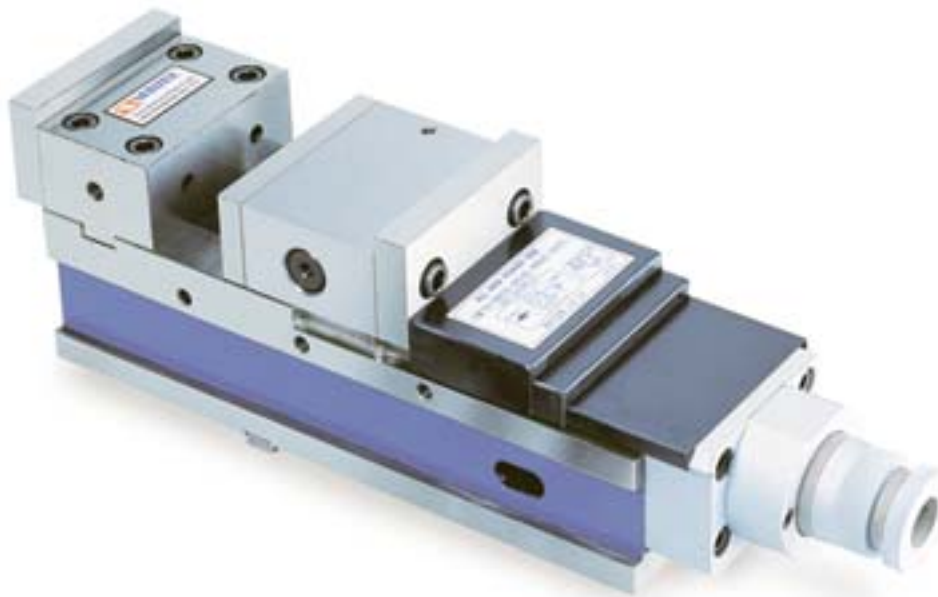
Unit:mm

| ORDER NO. | A   | B  | C      | D    | a   | b   | c   | H  | e   | f   | g  | h  | i  | j   | k   | l    | m    | Guide Block | Weight (kgs) | CODE NO. |
|-----------|-----|----|--------|------|-----|-----|-----|----|-----|-----|----|----|----|-----|-----|------|------|-------------|--------------|----------|
| VMC-4D    | 102 | 45 | 18-76  | 0-57 | 380 | 104 | 110 | 65 | 107 | 497 | 16 | 29 | 25 | 115 | 170 | 54   | 22.5 | 18          | 20           | 4005-020 |
| VMC-6D    | 152 | 58 | 34-102 | 0-68 | 495 | 154 | 140 | 90 | 135 | 610 | 18 | 46 | 30 | 165 | 220 | 68.4 | 31.8 | 18          | 63           | 4005-021 |



# Mechanical Power Vise

HIGH CLAMPING POWER AND LARGE JAW CLAMPING CAPACITY



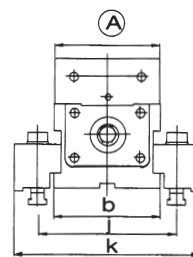
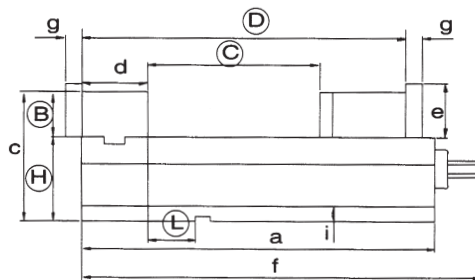
## STANDARD ACCESSORIES



## INSPECTION SPECIFICATION

| NO. | Inspection Item                                              | Per (100mm)<br>4" | Guaranteed           |
|-----|--------------------------------------------------------------|-------------------|----------------------|
| 1   | Parallelism:running face to bottom of bed.                   |                   | 0.01mm<br>(0.0004")  |
| 2   | Squareness:between running face and jaw plate.               |                   | 0.03mm<br>(0.0012")  |
| ※ 3 | Squareness:both sides to fixed jaw plate.                    |                   | 0.02mm<br>(0.0008")  |
| 4   | Parallelism:keyways on bottom of bed to jaw plate.           |                   | 0.02mm<br>(0.0008")  |
| 5   | Squareness:keyways on bottom of bed to jaw plate.            |                   | 0.02mm<br>(0.0008")  |
| 6   | Parallelism:running face of the test block to bottom of bed. |                   | 0.02mm<br>(0.0008")  |
|     | Lift can be controlled when clamping test block.             |                   | 0.015mm<br>(0.0006") |

- 1.To solve all your clamping problems on your machining centers.
- 2.Tons of pressure can be applied to the workpiece with minimum operator's effort. Using the new POWER VISE", it can not release the workpiece until the operator manually releases it.
- 3."Mechanical booster". Provides a steady clamping force against shocks and vibrations during the operations, since it clamps the workpiece resiliently with an aid of the "disc-springs" mounted inside.
- 4.Powerfull VMC-6Q clamping pressure can be increased up to 5500kg/cm<sup>2</sup>; VMC-5Q, 3500kg/cm<sup>2</sup>; VMC-4Q, 3000kg/cm<sup>2</sup> Clamping force freely adjusted with the guidance of graduation lines.



Unit:mm

| ORDER NO.     | A   | B  | C   | D   | a   | b   | c   | d  | e  | f   | g  | j  | i   | k   | H           | L           | Key way | Weight | CODE NO. |
|---------------|-----|----|-----|-----|-----|-----|-----|----|----|-----|----|----|-----|-----|-------------|-------------|---------|--------|----------|
| <b>VMC-4Q</b> | 100 | 44 | 128 | 285 | 288 | 102 | 129 | 73 | 52 | 398 | 20 | 18 | 139 | 19  | 85<br>±0.02 | 85<br>±0.02 | 14      | 32 kgs | 4005-001 |
| <b>VMC-5Q</b> | 125 | 53 | 203 | 382 | 385 | 127 | 153 | 78 | 63 | 508 | 20 | 18 | 164 | 216 | 85<br>±0.02 | 85<br>±0.02 | 18      | 49 kgs | 4005-002 |
| <b>VMC-6Q</b> | 160 | 53 | 275 | 465 | 480 | 162 | 168 | 86 | 63 | 605 | 20 | 21 | 199 | 252 | 85<br>±0.02 | 85<br>±0.02 | 18      | 80 kgs | 4005-003 |

※ HORIZONTAL & VERTICAL 2 WAY VISE.

CLAMPING PRESSURE: VMC-4Q, 300kg/cm<sup>2</sup>, VMC-5Q, 350kg/cm<sup>2</sup>, VMC-6Q, 550kg/cm<sup>2</sup>.



# Precision Pneumatic Ang-Fixed Power Vise

Suitable for mass production and to be used on machine centers, milling machines, drilling machines and special purpose machines.



■ The greatest safety distance of clamping:

The switch speed is only 1.5 seconds, and the safety distance of clamping can be up to 8mm. We design the hand wheel safety line in addition for anyone to distinguish the clamping safety distance of tools from exceeding to limit easily by eyes.

■ Down trust "semi-spherical segment" mechanism eliminates jaw liffing and work-piece liffing.

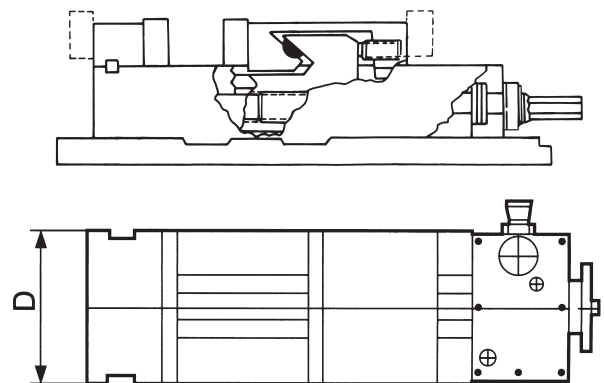
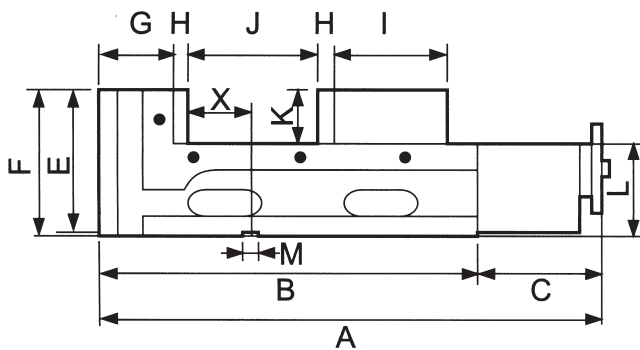


■ The material of the vise itself adopts the one-step design of highductility graphitized casting iron (FCD-60), and the starting rail of the two sides experiences hardening heat treatment (HRC-45\*) that can assure good performance on precision, wear-resisting, and tension-resisting.

■ If the source of air pressure is under low pressure exertion of 8kgf/cm<sup>2</sup>, it can achieve the super strong clamping capacity of 9000kg/cm<sup>2</sup>. The clamping capacity from 0~9000kg/cm<sup>2</sup> can be freely set and adjust via pressure regulator.

Automatically seeking the highest source of air pressure:

When the pressure regulator sets the regulator sets the required pressure, it will not be out of order because the source of air pressure is low.



Unit:mm

| ORDER NO. | A   | B   | C   | D   | E   | F   | G  | H  | I   | J     | K  | L   | M  | Gripping Force (kgf) | N.W. (kg) | G.W. (kg) | CODE NO. |
|-----------|-----|-----|-----|-----|-----|-----|----|----|-----|-------|----|-----|----|----------------------|-----------|-----------|----------|
| VMC-5P    | 520 | 380 | 140 | 130 | 157 | 160 | 86 | 15 | 110 | 0-150 | 55 | 105 | 18 | 6000                 | 45        | 50        | 4005-070 |
| VMC-6P    | 540 | 400 | 140 | 160 | 160 | 163 | 86 | 15 | 120 | 0-160 | 58 | 105 | 18 | 6000                 | 47        | 56        | 4005-071 |
| VMC-6PL   | 630 | 490 | 140 | 160 | 160 | 163 | 86 | 15 | 120 | 0-250 | 58 | 105 | 18 | 6000                 | 53        | 62        | 4005-072 |
| VMC-7P    | 600 | 460 | 140 | 180 | 170 | 173 | 90 | 18 | 130 | 0-200 | 63 | 110 | 18 | 9000                 | 65        | 72        | 4005-073 |
| VMC-8P    | 610 | 470 | 140 | 200 | 170 | 173 | 90 | 18 | 140 | 0-200 | 63 | 110 | 18 | 9000                 | 70        | 80        | 4005-074 |
| VMC-8PL   | 710 | 570 | 140 | 200 | 170 | 173 | 90 | 18 | 140 | 0-300 | 63 | 110 | 18 | 9000                 | 79        | 80        | 4005-075 |



# MC Power Machine Vise for machining center

Hydraulic Type



Mechanical Type



## FEATURES

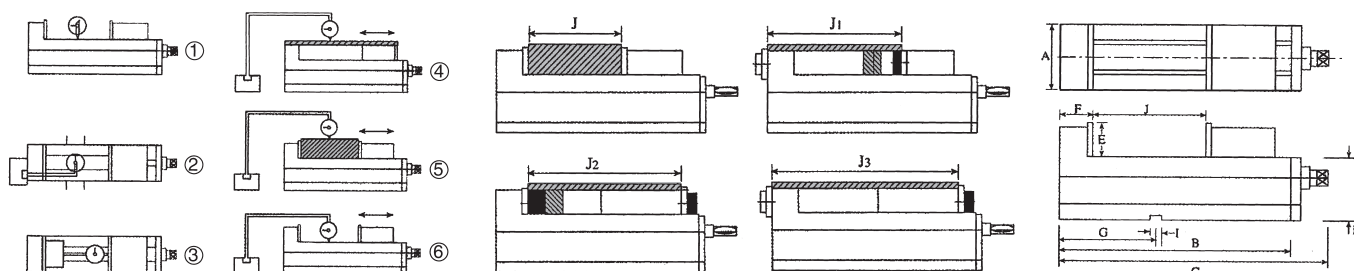
- 1.Angle fixed type super power precision hydraulic vise, suitable for vertical and horizontal combined cutting & processing machine for heavy cutting.
- 2.Angle fixed type spherical segment ball can produce the force for angle locking -- which can release the vise plate floating upward and make no slant of the workpiece.
- 3.Powerful material - cast iron, and has strong anti-tension, high abrasion, which can keep long durability for abrasion with high precision.
- 4.The slide surface of vise bench is treated by hardening above HRC45° which can keep long durability for abrasion with high precision.
- 5.Movable jaw adjusting screw can adjust the appropriate precision for the vise at any time.
- 6.Four setting positions of the jaw plate are available, widening the jaw plate opening.

Performed Sided Vertically.



## Accuracy testing standard

| NO. | Item                                                                                 | JIS grade 1 | Guaranteed  |
|-----|--------------------------------------------------------------------------------------|-------------|-------------|
| 1   | Vise side-lock on bottom to slide way square                                         | 0.020/100mm | 0.010/100mm |
| 2   | Keyways on bottom of vise bed square to clamping surface of jaw plate                | 0.020/100mm | 0.015/100mm |
| 3   | Both jaw plate parallel                                                              | 0.020/100mm | 0.020/100mm |
| 4   | Max opening test block parallel to bottom of vise body                               | 0.050/100mm | 0.030/100mm |
| 5   | Top of rectangular test block clamped tightly by jaw parallel to bottom of vise body | 0.030/100mm | 0.020/100mm |
| 6   | Surface of vise bed parallel to bottom of vise body                                  | 0.020/100mm | 0.015/100mm |



## Hydraulic Type

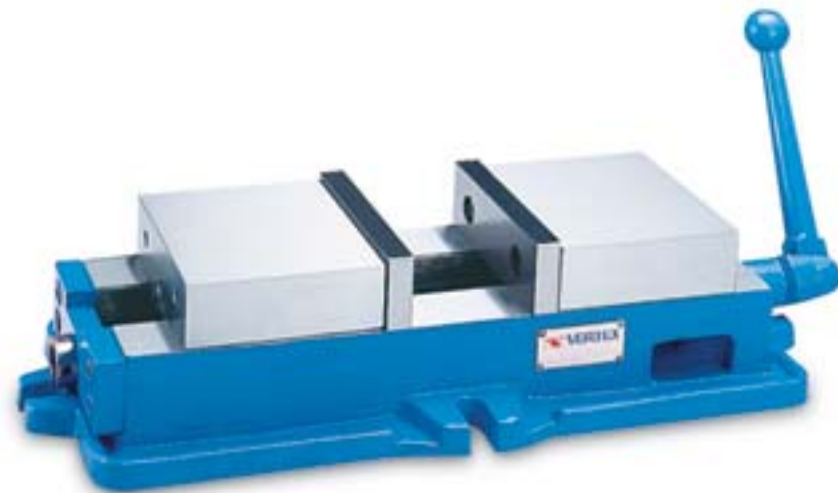
| ORDER NO. | A   | B   | C   | D   | E  | F   | G   | I  | Jaw Opening (Max.) |     |     |     | Clamping Force | Weight Body | CODE NO. |
|-----------|-----|-----|-----|-----|----|-----|-----|----|--------------------|-----|-----|-----|----------------|-------------|----------|
|           |     |     |     |     |    |     |     |    | J                  | J1  | J2  | J3  |                |             |          |
| VMC-100HV | 101 | 340 | 470 | 85  | 48 | 80  | 125 | 16 | 125                | 190 | 230 | 320 | 4000 kgf       | 27 kgs      | 4005-060 |
| VMC-130HV | 131 | 405 | 535 | 95  | 55 | 85  | 150 | 18 | 180                | 240 | 290 | 380 | 5000 kgf       | 40 kgs      | 4005-061 |
| VMC-160HV | 161 | 495 | 625 | 105 | 58 | 100 | 165 | 18 | 240                | 320 | 360 | 470 | 6500 kgf       | 58 kgs      | 4005-062 |
| VMC-200HV | 201 | 570 | 700 | 110 | 63 | 108 | 190 | 18 | 280                | 360 | 420 | 540 | 8000 kgf       | 87 kgs      | 4005-063 |

## Mechanical Type

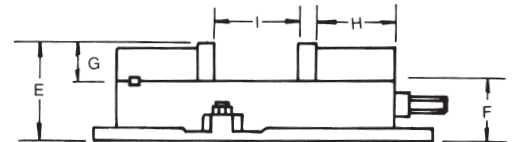
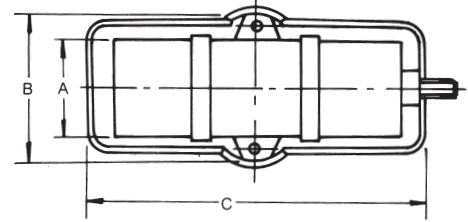
| ORDER NO. | A   | B   | C   | D   | E  | F   | G   | I  | Jaw Opening (Max.) |     |     |     | Weight Body | CODE NO. |
|-----------|-----|-----|-----|-----|----|-----|-----|----|--------------------|-----|-----|-----|-------------|----------|
|           |     |     |     |     |    |     |     |    | J                  | J1  | J2  | J3  |             |          |
| VMC-100M  | 101 | 340 | 430 | 85  | 48 | 80  | 125 | 16 | 125                | 190 | 230 | 320 | 26 kgs      | 4005-064 |
| VMC-130M  | 131 | 405 | 495 | 95  | 55 | 85  | 150 | 18 | 180                | 240 | 290 | 380 | 39 kgs      | 4005-065 |
| VMC-160M  | 161 | 495 | 585 | 105 | 58 | 100 | 165 | 18 | 240                | 320 | 360 | 470 | 57 kgs      | 4005-066 |
| VMC-200M  | 201 | 570 | 666 | 110 | 63 | 108 | 190 | 18 | 280                | 360 | 420 | 540 | 86 kgs      | 4005-067 |



# Compound Ang-Fixed Vise



Suitable for irregular workpiece. Rapid and convenient centralizing.

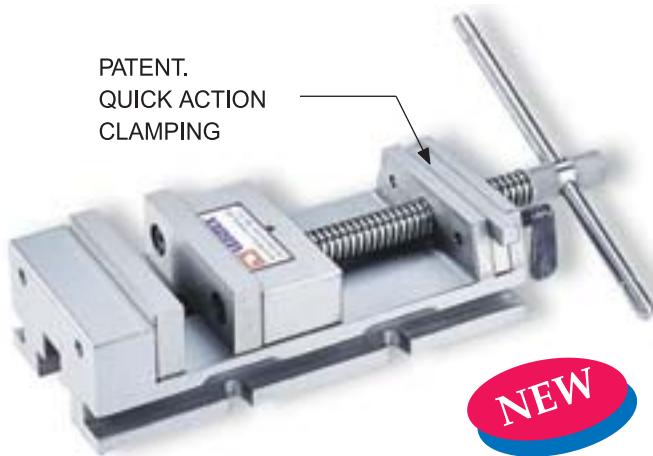


|       |     |     |     |     |    | G  | H   | I   | G.W.<br>kgs | CUFT | CODE.NO. |
|-------|-----|-----|-----|-----|----|----|-----|-----|-------------|------|----------|
| VCV-6 | 150 | 210 | 430 | 120 | 70 | 48 | 120 | 155 | 52          | 1.8  | 1002-260 |



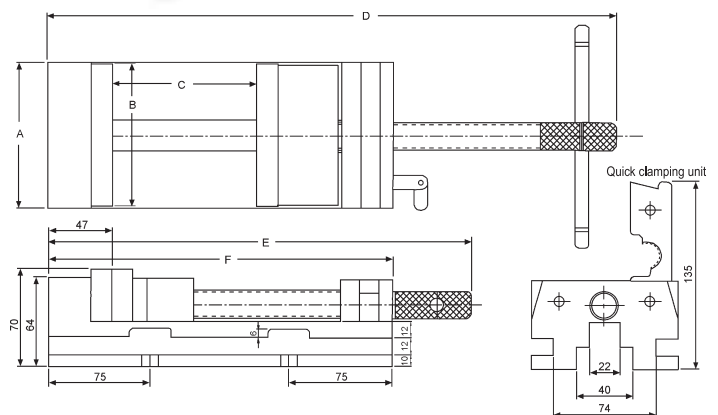
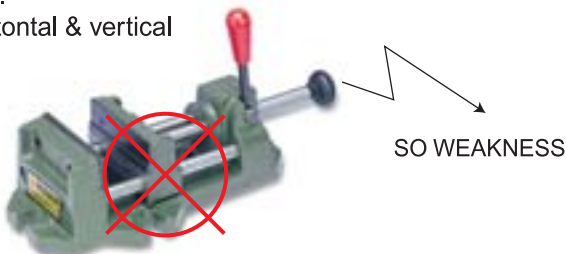
# Quick Setting Vise

PATENT.  
QUICK ACTION  
CLAMPING



## FEATURES

1. Special design for quick clamping. (From the acme thread shaft stationly)
2. Quick setting by moving sliding. Big clamping capability.
3. Operations very quick and easy, can be increased efficiency for works very much.
4. Good for production or prototype work.
5. Suit for milling machine, grinder machine, precision drilling machine using.
6. Accurate grounded and assembled.
7. Precision cut acme thread, it can get 900kgs high clamping force.
8. Horizontal & vertical



|       | A   | B   | C   | D   | E   | F   | G.W. | CODE<br>NO. |
|-------|-----|-----|-----|-----|-----|-----|------|-------------|
| VQS-3 | 82  | 80  | 80  | 365 | 285 | 224 | 7    | 1002-262    |
| VQS-4 | 106 | 104 | 104 | 411 | 309 | 250 | 8    | 1002-263    |
| VQS-5 | 132 | 130 | 130 | 465 | 333 | 274 | 10   | 1002-264    |



# B-Type Milling Vise

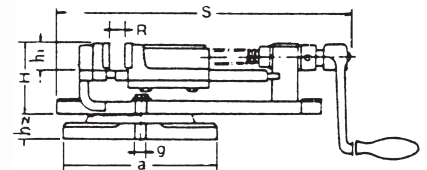
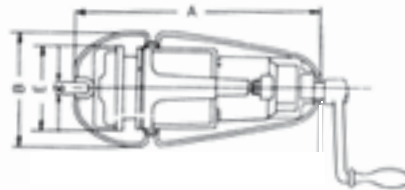


Please refer to page 11 Fig.2

Unit:mm

| ORDER NO. | E   | A   | B   | H   | R   | S   | a   | h1 | h2 | g1 | g2 | G.W. kgs | CODE NO. |
|-----------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----------|----------|
| VBV-4     | 100 | 270 | 140 | 79  | 65  | 305 | 212 | 33 | 28 | 12 | 12 | 13       | 1002-280 |
| VBV-5     | 125 | 350 | 180 | 96  | 100 | 410 | 280 | 37 | 35 | 15 | 15 | 25       | 1002-281 |
| VBV-6     | 150 | 400 | 210 | 105 | 114 | 460 | 245 | 40 | 40 | 16 | 16 | 41       | 1002-282 |

- A wider bottom to increase clamping force.
- Groove device to collect cutting oil.



# Free Vise



Unit:mm

| ORDER NO. | DIMENSION(WxHxL) | CLAMPING CAPACITY(HxL) | WEIGHT(2PCS) | CODE NO. |
|-----------|------------------|------------------------|--------------|----------|
| FV-350    | 75x67x150mm      | 140x350mm              | 4.5kgs       | 1002-290 |
| FV-450    | 100x90x200mm     | 180x450mm              | 9kgs         | 1002-291 |
| FV-550    | 125x120x250mm    | 250x550mm              | 21kgs        | 1002-292 |

FV TYPE IS LIGHT DUTY.

Unit:mm

| ORDER NO. | CLAMPING HEIGHT | SIZE        | N.W.   | CODE NO. |
|-----------|-----------------|-------------|--------|----------|
| SV-62     | 56              | 70X80X125   | 5.5kgs | 1002-293 |
| SV-85     | 82              | 85X92X200   | 11kgs  | 1002-294 |
| SV-125    | 130             | 130X145X245 | 22kgs  | 1002-295 |



# Quick Vise



| ORDER NO. | Width of Jaws | Jaws Opening | G.W. kgs | CODE NO. |
|-----------|---------------|--------------|----------|----------|
| DV-3"     | 3-1/4"        | 2-3/4"       | 3.5      | 1002-300 |
| DV-4"     | 4-5/16"       | 4-1/4"       | 6.0      | 1002-301 |

FOR DRILL MACHINE

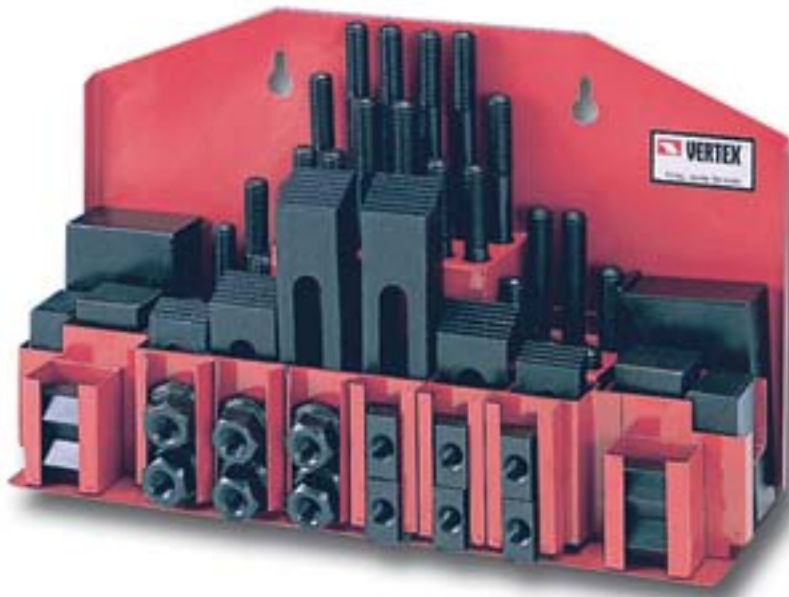
High tensile FC25 casting.

Instant setting by moving sliding

steel bar attached to movable jaw.



# 52-Pc Steel Clamping Kit



Heat treated steel black oxide finish.

Block size 1" (25mm). Set in plastic rack consists of:

24 pcs Studs(4 ea, 3/4/5/6/7/8 inches or 75/100/125/150/175/200mm.)

6 pcs T-Nuts

4 pcs Coupling Nuts

6 pcs Flange Nuts

6 pcs step Clamps

6 pcs Step Blocks

CK-18, CK20, CK206, Used Wooden Plate to keep.

The parts of every specification all can be purchased individually.

## Order No. & Dimensions

Unit:inch

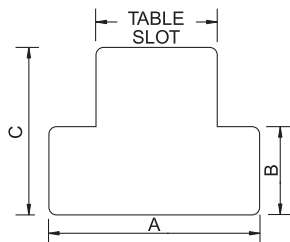
| ORDER NO. | Table Slot | Stud Size | G.W. kg | Meas. CFT | CODE NO. |
|-----------|------------|-----------|---------|-----------|----------|
| CK-103A   | 7/16"      | 3/8"-16w  | 7       | (C)       | 1003-009 |
| CK-103B   | 1/2"       |           | 7       | 0.8       | 1003-010 |
| CK-104A   | 9/16"      | 1/2"-12w  | 9.5     | (C)       | 1003-011 |
| CK-104B   | 5/8"       | 1/2"-13w  | 10      | 1.0       | 1003-012 |
| CK-105A   | 11/16"     | 5/8"-11w  | 13      | (C)       | 1003-013 |
| CK-105B   | 3/4"       |           | 13      | 1.5       | 1003-014 |
| CK-206    | 7/8"       | 3/4"-10w  | 25      | 2.0       | 1003-015 |

Unit:mm

| ORDER NO. | Table Slot | Stud Size | G.W. kg | Meas. CFT | CODE NO. |
|-----------|------------|-----------|---------|-----------|----------|
| CK-08     | 10         | 8-1.25P   | 7       | (C)       | 1003-001 |
| CK-10     | 12         | 10-1.25P  | 10      | 0.8       | 1003-002 |
| CK-12A    | 14         | 12-1.75P  | 9.5     | (C)       | 1003-003 |
| CK-12B    | 15.7       |           | 10      | 1.0       | 1003-004 |
| CK-14     | 16         | 14-2.0P   | 11      | (C)       | 1003-005 |
| CK-16     | 18         | 16-2.0P   | 13      | 1.5       | 1003-006 |
| CK-18     | 20         | 18-2.5P   | 25      | (C)1.6    | 1003-007 |
| CK-20     | 22         | 20-2.5P   | 26      | (C)2.0    | 1003-008 |

## INDIVIDUALLY PARTS

### T-SLOT NUT



| ORDER NO. | Table Slot | Tread Size | A  | B  | C  | WEIGHT (kg) | CODE NO. |
|-----------|------------|------------|----|----|----|-------------|----------|
| 3412M     | 10         | M8         | 16 | 6  | 12 | 0.023       | 1003-020 |
| 3423M     | 12         | M10        | 18 | 7  | 14 | 0.028       | 1003-021 |
| 3414M     | 14         | M12        | 22 | 8  | 16 | 0.048       | 1003-022 |
| A3424M    | 16         | M12        | 25 | 8  | 16 | 0.06        | 1003-023 |
| B3424M    | 16         | M14        | 25 | 8  | 16 | 0.06        | 1003-024 |
| 3415M     | 18         | M16        | 28 | 11 | 20 | 0.087       | 1003-025 |
| 3416M     | 20         | M18        | 32 | 12 | 24 | 0.142       | 1003-026 |
| 3417M     | 22         | M20        | 35 | 14 | 28 | 0.165       | 1003-027 |
| 3418M     | 28         | M24        | 44 | 18 | 36 |             | 1003-028 |

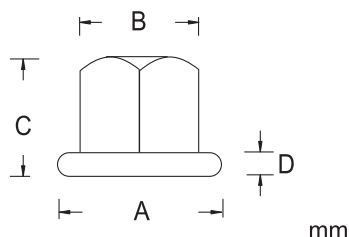
## STEP CLAMP



mm

| ORDER NO. | Bolt Size               | Length | Width | Thickness | Weight (kg) | CODE NO. |
|-----------|-------------------------|--------|-------|-----------|-------------|----------|
| 6113      | 5/16 or 3/8             | 64     | 25    | 12        | 0.25        | 1003-030 |
| 6123      | 5/16 or 3/8             | 100    | 25    | 16        | 0.49        | 1003-031 |
| 6133      | 5/16 or 3/8 (M8 or M10) | 150    | 28    | 19        | 0.99        | 1003-032 |
| 6214      | 1/2                     | 64     | 28    | 12        | 0.25        | 1003-033 |
| 6224      | 1/2                     | 100    | 32    | 19        | 0.67        | 1003-034 |
| 6234      | 1/2 (M12)               | 150    | 32    | 22        | 1.2         | 1003-035 |
| 6215      | 5/8                     | 64     | 32    | 22        | 0.31        | 1003-036 |
| 6225      | 5/8                     | 100    | 38    | 19        | 0.85        | 1003-037 |
| 6235      | 5/8 (M16)               | 150    | 38    | 22        | 1.47        | 1003-038 |
| 6316      | 3/4                     | 100    | 38    | 19        | 0.75        | 1003-039 |
| 6326      | 3/4                     | 150    | 38    | 25        | 1.43        | 1003-040 |
| 6336      | 3/4 (M18)               | 200    | 44    | 28        | 2.82        | 1003-041 |
| 6417      | 7/8 or 1                | 150    | 50    | 32        |             | 1003-042 |
| 6427      | 7/8 or 1                | 200    | 50    | 35        |             | 1003-043 |
| 6437      | 7/8 or 1 (M20 or M24)   | 250    | 50    | 38        |             | 1003-044 |

## FLANGE NUT



| ORDER NO. | Thread   | A  | B (M/M) | C  | D | Weight (kg) | CODE NO. |
|-----------|----------|----|---------|----|---|-------------|----------|
| 4512      | M8x1.25  | 19 | 13      | 10 | 2 | 0.013       | 1003-050 |
| 4513      | M10x1.5  | 22 | 17      | 12 | 3 | 0.023       | 1003-051 |
| 4514      | M12x1.75 | 28 | 21      | 16 | 4 | 0.043       | 1003-052 |
| 4514M     | M14x2.0  | 28 | 21      | 16 | 4 | 0.047       | 1003-053 |
| 4515      | M16x2.0  | 35 | 26      | 17 | 5 | 0.087       | 1003-054 |
| 4516      | M18x2.5  | 41 | 32      | 25 | 6 | 0.10        | 1003-055 |
| 4517      | M20x2.5  | 44 | 32      | 35 | 6 | 0.092       | 1003-056 |
| 4518      | M24x3.0  | 50 | 41      | 32 | 6 |             | 1003-057 |

## COUPLING NUT



| ORDER NO. | Thread   | Parallel | Length | Weight  | CODE NO. |
|-----------|----------|----------|--------|---------|----------|
| 2612M     | M8x1.25  | 13       | 22     | 0.033kg | 1003-060 |
| 2613M     | M10x1.5  | 17       | 25     | 0.035kg | 1003-061 |
| 2614M     | M12x1.75 | 21       | 32     | 0.065kg | 1003-062 |
| 2614M-1   | M14x2.0  | 21       | 32     | 0.06kg  | 1003-063 |
| 2615M     | M16x2.0  | 26       | 41     | 0.128kg | 1003-064 |
| 2616M     | M18x2.0  | 32       | 48     | 0.228kg | 1003-065 |
| 2617M     | M20x2.5  | 32       | 48     | 0.208kg | 1003-066 |
| 2618M     | M24x3.0  | 41       | 64     |         | 1003-067 |

## Clamping Studs

Heat Treated Steel

Studs

Black Oxide Finished



| Thread    |                      |          |                 |          |                 |          |                  |          |                  |          |                 |          |                  |          |
|-----------|----------------------|----------|-----------------|----------|-----------------|----------|------------------|----------|------------------|----------|-----------------|----------|------------------|----------|
| Size      | M8x1.25P             |          | M10x1.5P        |          | M12x1.75P       |          | M14x2.0P         |          | M16x2.0P         |          | M18x2.5P        |          | M20x2.5P         |          |
| Length mm | ORDER NO. / CODE NO. |          |                 |          |                 |          |                  |          |                  |          |                 |          |                  |          |
| 75        | 1323M<br>0.02kg      | 1003-071 | 1333M<br>0.01kg | 1003-081 | 1343M<br>0.01kg | 1003-091 | 1343MA<br>0.01kg | 1003-101 | 1353M<br>0.02kg  | 1003-111 | 1363M<br>0.03kg | 1003-120 | 1373M<br>0.03kg  | 1003-140 |
| 100       | 1324M<br>0.03kg      | 1003-072 | 1334M<br>0.01kg | 1003-082 | 1344M<br>0.02kg | 1003-092 | 1344MA<br>0.02kg | 1003-102 | 1354M<br>0.03kg  | 1003-112 | 1364M<br>0.04kg | 1003-121 | 1374M<br>0.05kg  | 1003-141 |
| 125       | 1325M<br>0.03kg      | 1003-073 | 1335M<br>0.01kg | 1003-083 | 1345M<br>0.02kg | 1003-093 | 1345MA<br>0.03kg | 1003-103 | 1355M<br>0.04kg  | 1003-113 | 1365M<br>0.05kg | 1003-122 | 1375M<br>0.06kg  | 1003-142 |
| 150       | 1326M<br>0.04kg      | 1003-074 | 1336M<br>0.01kg | 1003-084 | 1346M<br>0.02kg | 1003-094 | 1346MA<br>0.03kg | 1003-104 | 1356M<br>0.04kg  | 1003-114 | 1366M<br>0.06kg | 1003-123 | 1376M<br>0.07kg  | 1003-143 |
| 175       | 1327M<br>0.05kg      | 1003-075 | 1337M<br>0.02kg | 1003-085 | 1347M<br>0.03kg | 1003-095 | 1347MA<br>0.04kg | 1003-105 | 1357M<br>0.05kg  | 1003-115 | 1367M<br>0.07kg | 1003-124 | 1377M<br>0.08kg  | 1003-144 |
| 200       | 1328M<br>0.06kg      | 1003-076 | 1338M<br>0.02kg | 1003-086 | 1348M<br>0.03kg | 1003-096 | 1348MA<br>0.05kg | 1003-106 | 1358M<br>0.06kg  | 1003-116 | 1368M<br>0.08kg | 1003-125 | 1378M<br>0.10kg  | 1003-145 |
| 250       |                      |          |                 |          |                 |          |                  |          | 13510M<br>0.07kg | 1003-117 | 13610M          | 1003-126 | 13710M<br>0.12kg | 1003-146 |
| 300       |                      |          |                 |          |                 |          |                  |          | 13512M<br>0.09kg | 1003-118 | 13612M          | 1003-127 | 13712M<br>0.15kg | 1003-147 |



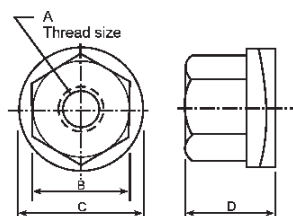
Swivel Type Flange Nut With Disc Spring



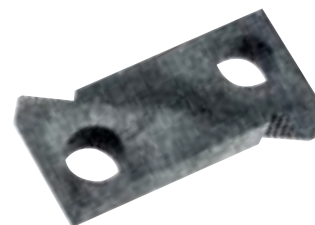
Step Block



RESISTANT LOOSEN



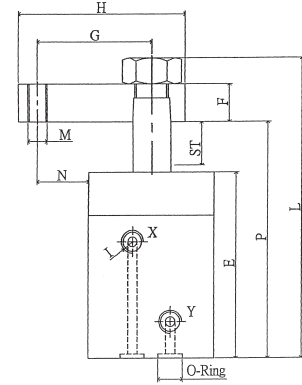
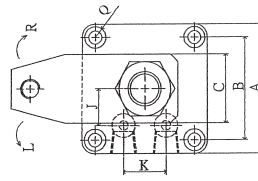
| ORDER NO. | THREAD   | A  | B   | C   | D  | WEIGHT | CODE NO. |
|-----------|----------|----|-----|-----|----|--------|----------|
| 7512      | M8x1.25  | 19 | 13M | 19  | 14 | 0.03kg | 1003-160 |
| 7513      | M10x1.5  | 22 | 17M | 22  | 17 | 0.03kg | 1003-161 |
| 7514      | M12x1.75 | 28 | 21M | 28  | 22 | 0.03kg | 1003-162 |
| 7514M     | M14x2.0  | 28 | 21M | 35  | 43 | 0.03kg | 1003-163 |
| 7515      | M16x2.0  | 35 | 28M | 41  | 32 | 0.03kg | 1003-164 |
| 7516      | M18x2.5  | 41 | 32M | 44  | 36 | 0.03kg | 1003-165 |
| 7517      | M20x2.5  | 44 | 32M | 150 | 36 | 0.2kg  | 1003-166 |
| 7518      | M24x3.0  | 50 | 41M | 36  | 36 | 0.3kg  | 1003-167 |



| STANDARD STEEL BLOCK(25 WIDE A)/(31 WIDE B) |                        |                    |         |          |
|---------------------------------------------|------------------------|--------------------|---------|----------|
| ORDER NO.                                   | CAPACITY OF FULL BLOCK | HEIGHT OF 13 BLOCK | WEIGHT  | CODE NO. |
| 5114                                        | 38 to 44               | 38                 | 0.14kg  | 1003-170 |
| 5124                                        | 44 to 63               | 44                 | 0.28kg  | 1003-171 |
| 5134                                        | 75 to 150              | 75                 | 1.245kg | 1003-172 |
| HEAVY DUTY STEEL BLOCK 38mm WIDE            |                        |                    |         |          |
| 5215                                        | 63 to 94               | 63                 | 0.53kg  | 1003-173 |
| 5225                                        | 75 to 200              | 75                 | 1.72kg  | 1003-174 |
| 5235                                        | 138 to 230             | 138                | 3.25kg  | 1003-175 |



# Swing Clamp Hydraulic Cylinder



R IS THE CLAMPING PLATE IS TURN RIGHT  
L IS THE CLAMPING PLATE IS TURN LEFT

| Order No. | D<br>Bore Size<br>mm | d<br>Piston Rod<br>Size mm | Pressure Area<br>cm <sup>2</sup><br>35Kg/cm <sup>2</sup> |     | Working<br>Pressure    | A  | B  | C  | Q   | Screw Size | E   | F  | G  |
|-----------|----------------------|----------------------------|----------------------------------------------------------|-----|------------------------|----|----|----|-----|------------|-----|----|----|
| VSH-25R   | ø25                  | ø16                        | 2.89                                                     | 75  | 5-50Kg/cm <sup>2</sup> | 53 | 42 | 28 | M5  | M5*85L     | 77  | 16 | 48 |
| VSH-25L   | ø25                  | ø16                        | 2.89                                                     | 75  |                        | 53 | 42 | 28 | M5  | M5*85L     | 77  | 16 | 48 |
| VSH-32R   | ø32                  | ø18                        | 5.49                                                     | 144 |                        | 55 | 42 | 28 | M6  | M6*85L     | 77  | 18 | 53 |
| VSH-32L   | ø32                  | ø18                        | 5.49                                                     | 144 |                        | 55 | 42 | 28 | M6  | M6*85L     | 77  | 18 | 53 |
| VSH-40R   | ø40                  | ø22                        | 8.76                                                     | 230 |                        | 66 | 53 | 32 | M6  | M6*100L    | 89  | 20 | 59 |
| VSH-40L   | ø40                  | ø22                        | 8.76                                                     | 230 |                        | 66 | 53 | 32 | M6  | M6*100L    | 94  | 20 | 59 |
| VSH-50R   | ø50                  | ø28                        | 13.47                                                    | 354 |                        | 75 | 58 | 38 | M8  | M8*100L    | 89  | 22 | 64 |
| VSH-50L   | ø50                  | ø28                        | 13.47                                                    | 354 |                        | 75 | 58 | 38 | M8  | M8*100L    | 94  | 22 | 64 |
| VSH-63R   | ø63                  | ø35                        | 21.55                                                    | 565 |                        | 88 | 67 | 48 | M10 | M10*120L   | 109 | 23 | 72 |
| VSH-63L   | ø63                  | ø35                        | 21.55                                                    | 565 |                        | 88 | 67 | 48 | M10 | M10*120L   | 109 | 23 | 72 |

| Order No. | H   | I     | J  | K  | (L) | M        | N    | O-Ring | P   | Swing<br>Stroke (mm) | Clamping<br>Stroke (mm) | CODE NO. |
|-----------|-----|-------|----|----|-----|----------|------|--------|-----|----------------------|-------------------------|----------|
| VSH-25R   | 70  | 1/8PT | 15 | 18 | 124 | M8*1.25  | 21.5 | P7     | 98  | 8                    | 10                      | 1003-501 |
| VSH-25L   | 70  | 1/8PT | 15 | 18 | 124 | M8*1.25  | 21.5 | P7     | 98  | 8                    | 10                      | 1003-502 |
| VSH-32R   | 75  | 1/8PT | 18 | 20 | 127 | M8*1.25  | 25.5 | P7     | 98  | 8                    | 10                      | 1003-503 |
| VSH-32L   | 75  | 1/8PT | 18 | 20 | 127 | M8*1.25  | 25.5 | P7     | 98  | 8                    | 10                      | 1003-504 |
| VSH-40R   | 85  | 1/8P  | 22 | 24 | 147 | M10*1.5  | 26   | P8     | 114 | 10                   | 12                      | 1003-505 |
| VSH-40L   | 85  | 1/8P  | 22 | 24 | 147 | M10*1.5  | 26   | P8     | 114 | 10                   | 12                      | 1003-506 |
| VSH-50R   | 95  | 1/4PT | 27 | 32 | 155 | M12*1.75 | 26.5 | P8     | 120 | 10                   | 12                      | 1003-507 |
| VSH-50L   | 95  | 1/4PT | 27 | 32 | 155 | M12*1.75 | 26.5 | P8     | 120 | 10                   | 12                      | 1003-508 |
| VSH-63R   | 110 | 1/4PT | 33 | 38 | 176 | M14*2    | 28   | P9     | 139 | 12                   | 14                      | 1003-509 |
| VSH-63L   | 110 | 1/4PT | 33 | 38 | 176 | M14*2    | 28   | P9     | 139 | 12                   | 14                      | 1003-510 |

## SAWING CLAMP HYDRAULIC CYLINDER

1. The clamp plate rotating angle is 90°, You can choice turn right or turn left of rotating direction.
2. The clamping arm will swing around the indicated angle when the piston is traveling down, And then keep straight on until the clamping arm clamps the work-piece tightly.
3. We suggest you to install a flow control valve for protecting cylinder in order to prevent the damage of cylinder barrel and internal components due to fast speed. please don't clamp the work-piece when the cylinder running.
4. This is an exclusive machine with MC clamp that is available for mass-producing spareparts. It is a great helper to raise the production efficiency.
5. Leverage structure designed. To operate on the equipment directly. Clamp easily, perform efficiently

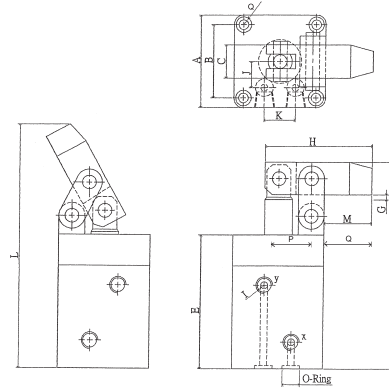


**CLAMPING FORCE: FOR VSH - TYPE IS  $\pi(D^2 - d^2) / 4 \times 35 \text{ kg} / \text{cm}^2 \times 0.75 = \text{___kg}$**  unit:kg

| Bore of<br>cylinder(mm) | Piston<br>rod(mm) | Pressure<br>area(cm <sup>2</sup> ) | Operation pressure kg/cm <sup>2</sup> to clamping force |     |     |     |      |      |      |
|-------------------------|-------------------|------------------------------------|---------------------------------------------------------|-----|-----|-----|------|------|------|
|                         |                   |                                    | 10                                                      | 20  | 30  | 40  | 50   | 60   | 70   |
| ø25                     | ø18               | 2.37                               | 24                                                      | 47  | 71  | 95  | 119  | 142  | 166  |
| ø32                     | ø20               | 4.9                                | 49                                                      | 98  | 147 | 196 | 245  | 294  | 343  |
| ø40                     | ø22.4             | 8.63                               | 86                                                      | 173 | 259 | 345 | 432  | 518  | 604  |
| ø50                     | ø28               | 13.47                              | 135                                                     | 269 | 404 | 539 | 674  | 808  | 943  |
| ø63                     | ø35               | 21.55                              | 216                                                     | 431 | 647 | 862 | 1078 | 1293 | 1509 |



# Lever Type Clamp Hydraulic Cylinder



LEFT HAND TYPE      RIGHT HAND TYPE

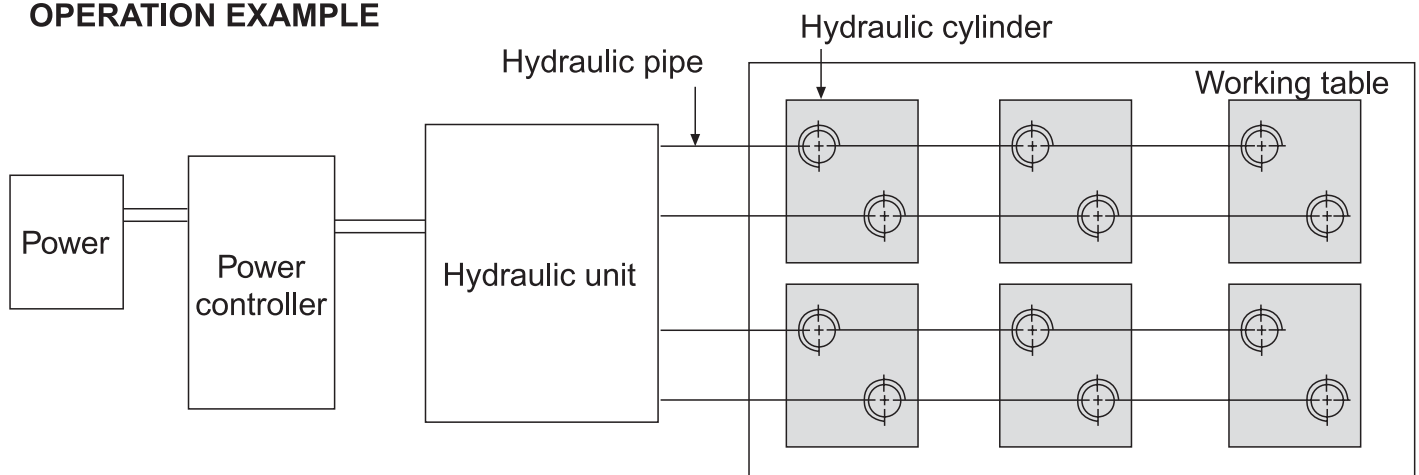
| Order No. | D<br>Broe Size<br>mm | d<br>Pressure<br>Area(cm <sup>2</sup> ) | Clamping<br>For CE<br>35Kg/cm <sup>2</sup> | Working<br>Pressure    | A  | B  | C    | Q  | Screw Size |
|-----------|----------------------|-----------------------------------------|--------------------------------------------|------------------------|----|----|------|----|------------|
| VLH-25R   | ø25                  | 4.9                                     | 80kg                                       | 5-50Kg/cm <sup>2</sup> | 53 | 42 | 19   | M5 | M5*85L     |
| VLH-25L   | ø25                  | 4.9                                     | 80kg                                       |                        | 53 | 42 | 19   | M5 | M5*85L     |
| VLH-32R   | ø32                  | 8.04                                    | 130kg                                      |                        | 55 | 42 | 19   | M6 | M6*85L     |
| VLH-32L   | ø32                  | 8.04                                    | 130kg                                      |                        | 55 | 42 | 19   | M6 | M6*85L     |
| VLH-40R   | ø40                  | 12.57                                   | 220kg                                      |                        | 66 | 53 | 22.2 | M6 | M6*100L    |
| VLH-40L   | ø40                  | 12.57                                   | 220kg                                      |                        | 66 | 53 | 22.2 | M6 | M6*100L    |
| VLH-50R   | ø50                  | 19.64                                   | 340kg                                      |                        | 75 | 58 | 25.4 | M8 | M8*100L    |
| VLH-50L   | ø50                  | 19.64                                   | 340kg                                      |                        | 75 | 58 | 25.4 | M8 | M8*100L    |

| Order No. | E  | F     | G<br>Stroke | H  | I     | J  | K  | (L) | M    | O-Ring | P  | Q  | CODE NO. |
|-----------|----|-------|-------------|----|-------|----|----|-----|------|--------|----|----|----------|
| VLH-25R   | 77 | 100.5 | 3           | 62 | 1/8PT | 15 | 18 | 141 | 27.5 | P7     | 19 | 35 | 1003-520 |
| VLH-25L   | 77 | 100.5 | 3           | 62 | 1/8PT | 15 | 18 | 141 | 27.5 | P7     | 19 | 35 | 1003-521 |
| VLH-32R   | 77 | 100.5 | 3           | 65 | 1/8PT | 18 | 20 | 143 | 29.5 | P7     | 20 | 37 | 1003-522 |
| VLH-32L   | 77 | 100.5 | 3           | 65 | 1/8PT | 18 | 20 | 143 | 29.5 | P7     | 20 | 37 | 1003-523 |
| VLH-40R   | 89 | 119   | 3           | 75 | 1/8PT | 22 | 24 | 168 | 32   | P8     | 24 | 41 | 1003-524 |
| VLH-40L   | 89 | 119   | 3           | 75 | 1/8PT | 22 | 24 | 168 | 32   | P8     | 24 | 41 | 1003-525 |
| VLH-50R   | 94 | 129.3 | 4           | 88 | 1/4PT | 27 | 32 | 187 | 38   | P8     | 28 | 48 | 1003-526 |
| VLH-50L   | 94 | 129.3 | 4           | 88 | 1/4PT | 27 | 32 | 187 | 38   | P8     | 28 | 48 | 1003-527 |

## LEVER TYPE CLAMP HYDRAULIC CYLINDER

1. Max. pressure: 70kg/cm<sup>2</sup>
2. The clamp structure of this model is based on the lever principle; it will be tightened as piston putting out.
3. Caution: Please make sure the clamping plate is then operate the machine. Please don't put the hand on the work-piece, when operate the hydraulic unit.
4. The clamping force: FOR VLH - TYPE IS  $\pi D^2 / 4 \times 35 \text{ kg} / \text{cm}^2 \times 0.45 = \underline{\hspace{1cm}} \text{ kg}$
5. Leverage structure design. To operate on the equipment directly. Clamp easily, perform efficiently.
6. Please don't exceed 1.5 times of the original length. If it is necessary to increase the length of the clamping arm.

## OPERATION EXAMPLE



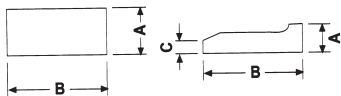


# Ground Parallels

To provide more convenient processing for milling vise.



VP-100



1. Hardness: HRC 50°-55°
2. Precision:  $W \times H \pm 0.01L \pm 0.5$
3. Accuracy: 0.01mm
4. Process: Four-side grinding
5. 1 set includes 18 pcs,
6. Packed by plastic case, G.W.: 11 kgs, Meas: 0.3 CFT.

| ORDER NO. | BODY SIZE                                                                                                         | CLAMP SIZE      | CODE NO. |
|-----------|-------------------------------------------------------------------------------------------------------------------|-----------------|----------|
|           | AxBxLxPcs                                                                                                         | AxBxCxLxPcs     |          |
| VP-100    | 5x16x100x2<br>6x18x100x2<br>8x24x100x2<br>10x30x100x2<br>12x36x150x2<br>14x48x150x2<br>18x60x150x2<br>22x62x150x2 | 15x31x2.5x200x2 | 1004-001 |

Unit:mm

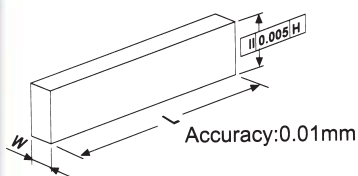


## Ground Parallels



## Ground Parallels

MADE OF HIGH GRADE ALLOY  
STEEL HARDENED AND GROUND.



VP-128A 10mm WIDTH

Unit:mm

| W x H x L x PCS |
|-----------------|
| 10x14x150x2     |
| 10x16x150x2     |
| 10x18x150x2     |
| 10x20x150x2     |
| 10x22x150x2     |
| 10x24x150x2     |
| 10x26x150x2     |
| 10x28x150x2     |
| 10x30x150x2     |
| 10x32x150x2     |
| 10x35x150x2     |
| 10x40x150x2     |
| 10x45x150x2     |
| 10x50x150x2     |

ORDER NO.VP-118A 8.5mm WIDTH 6kgs  
CODE NO. 1004-010

| W x H x L x PCS |              |
|-----------------|--------------|
| 8.5x14x150x2    | 8.5x32x150x2 |
| 8.5x16x150x2    | 8.5x36x150x2 |
| 8.5x20x150x2    | 8.5x40x150x2 |
| 8.5x24x150x2    | 8.5x44x150x2 |
| 8.5x30x150x2    |              |

Unit:mm

ORDER NO. VP-128A 28PCS/SET 11kgs  
CODE NO. 1004-020



## Precision Parallels

To provide more convenient processing for milling vise



ACCURACY:0.01mm  
WIDTH 8.0mm

13kgs

ORDER NO. VP-136 36PCS/SET CODE NO. 1004-030

| WxHxLxPCS        |                  |
|------------------|------------------|
| 8 x 16 x 150 x 2 | 8 x 34 x 150 x 2 |
| 8 x 18 x 150 x 2 | 8 x 36 x 150 x 2 |
| 8 x 20 x 150 x 2 | 8 x 38 x 150 x 2 |
| 8 x 22 x 150 x 2 | 8 x 40 x 150 x 2 |
| 8 x 24 x 150 x 2 | 8 x 42 x 150 x 2 |
| 8 x 26 x 150 x 2 | 8 x 44 x 150 x 2 |
| 8 x 28 x 150 x 2 | 8 x 46 x 150 x 2 |
| 8 x 30 x 150 x 2 | 8 x 48 x 150 x 2 |
| 8 x 32 x 150 x 2 | 8 x 50 x 150 x 2 |



# VP-018 Thin Type Parallels Set

3Wx150Lx20<sup>PCS</sup>/SET



ORDER NO. VP-018, CODE NO. 1004-040

| WxHxPCS    | WxHxL PCS  |
|------------|------------|
| 3x13x150x2 | 3x28x150x2 |
| 3x16x150x2 | 3x31x150x2 |
| 3x19x150x2 | 3x35x150x2 |
| 3x22x150x2 | 3x38x150x2 |
| 3x25x150x2 | 3x41x150x2 |

G.W 3kgs. PACKING:175x65x200 mm

ACCURACY: 0.01mm

THICKNESS 1/8"  $\div$  3mm



# VP-163 Precision Parallels

5Wx150Lx8<sup>PCS</sup>/SET



ORDER NO. VP-163, CODE NO. 1004-050

| WxHxPCS    |
|------------|
| 5x25x150x2 |
| 5x31x150x2 |
| 5x38x150x2 |
| 5x44x150x2 |

G.W 1.8kgs. PACKING:100x65x175 mm

ACCURACY: 0.01mm

THICKNESS 3/16"  $\div$  5mm



# VP-064 Precision Parallels

6Wx150Lx18<sup>PCS</sup>/SET



ORDER NO. VP-064, CODE NO. 1004-060

| WxHxPCS    | WxHxL PCS  |
|------------|------------|
| 6x19x150x2 | 6x35x150x2 |
| 6x22x150x2 | 6x38x150x2 |
| 6x25x150x2 | 6x41x150x2 |
| 6x28x150x2 | 6x44x150x2 |
| 6x31x150x2 |            |

G.W 4.5kgs. PACKING:210x178x68 mm

ACCURACY: 0.01mm

THICKNESS 1/4"  $\div$  6mm



# VP-050 Precision Parallels

13Wx150Lx8<sup>PCS</sup>/SET



ORDER NO. VP-050, CODE NO. 1004-070

| WxHxPCS     |
|-------------|
| 13x25x150x2 |
| 13x31x150x2 |
| 13x38x150x2 |
| 13x44x150x2 |

G.W 8.3kgs. PACKING:180x70x310mm

ACCURACY: 0.01mm

THICKNESS 1/2"  $\div$  13mm



# VP-033 Precision Parallels



NEW

ORDER NO. VP-033 200L x8 PCS/SET CODE NO. 1004-080

| ORDER NO.                   | WxHxLxPCS                    |
|-----------------------------|------------------------------|
| VP-033<br>(200L x 8)PCS/SET | 8x24x200x2                   |
|                             | 12x36x200x2                  |
|                             | 22x40x200x2                  |
|                             | 31x15x200x2x2.5 For Clamping |

G.W. 6kgs PACKING:180x65x230mm

LONGER TYPE, SUIT FOR BIGGER VISE.



## Adjustable Angle Plate

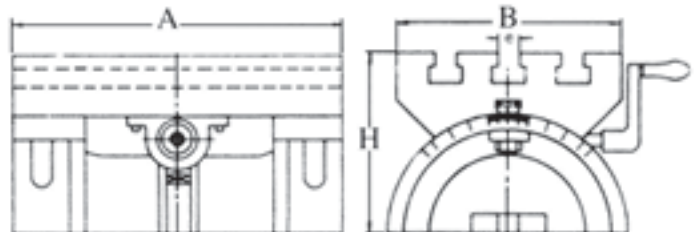
Unit:mm



| ORDER NO. | TABLE L X W |     |     | T-SLOT | APPROX WEIGHT | CODE NO. |
|-----------|-------------|-----|-----|--------|---------------|----------|
|           | A           | B   | H   | e      |               |          |
| VP-180    | 180         | 130 | 91  | 10     | 7.5kg         | 1004-089 |
| VP-250    | 250         | 178 | 133 | 12     | 22.5kg        | 1004-090 |
| VP-380    | 380         | 260 | 185 | 16     | 69kg          | 1004-091 |
| VP-600    | 600         | 300 | 205 | 16     | 100kg         | 1004-092 |

1.For angle setting on various machine tools.

2.Adjustable 45° each side.

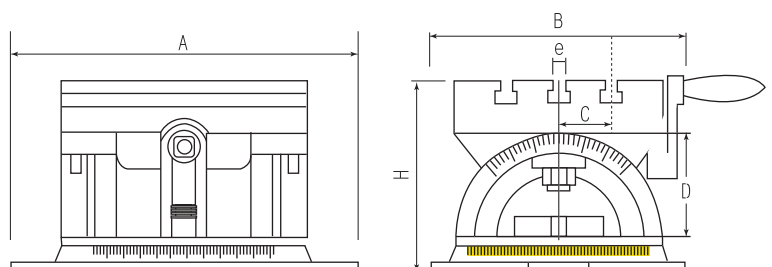


## Angle Plate With Swivel Base

Unit:mm



| ORDER NO. | TABLE L X W |     |     | T-SLOT |    |     | WEIGHT (kg) | CODE NO. |
|-----------|-------------|-----|-----|--------|----|-----|-------------|----------|
|           | A           | B   | H   | e      | C  | D   |             |          |
| VP-250S   | 250         | 220 | 177 | 10     | 50 | 90  | 40          | 1004-100 |
| VP-380S   | 350         | 305 | 233 | 12     | 68 | 127 | 80          | 1004-101 |





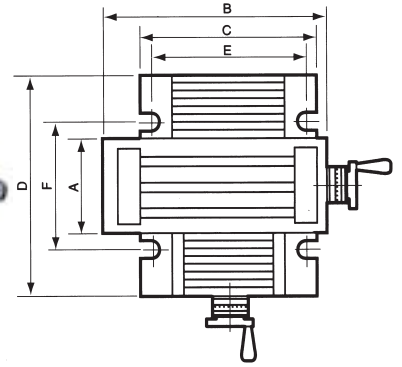
# Precision Cross Table



**VCT-407**



**VCT-514**



- Material:over FC-30
- Precision:0.02/100mm
- Feature:The sliding surfaces are treated by heat-treatment & precision ground

## Specifications

Unit:mm

| ORDER NO.       | A   | B   | C   | D   | E   | F   | Stroke  | T Slot | Total height | Dial graduation | PACKING<br>LxWxH m/m | WEIGHT<br>kgs | CODE NO. |
|-----------------|-----|-----|-----|-----|-----|-----|---------|--------|--------------|-----------------|----------------------|---------------|----------|
| <b>VCT-407</b>  | 100 | 185 | 130 | 100 | 115 | 50  | 50x80   | 3/8"   | 100          | 2mm/0.01        | 290x240x140          | 16            | 1007-001 |
| <b>VCT-514</b>  | 150 | 350 | 250 | 300 | 220 | 205 | 150x175 | 3/8"   | 130          | 4mm/0.02        | 510x450x240          | 38            | 1007-002 |
| <b>VCT-820</b>  | 200 | 500 | 300 | 400 | 250 | 290 | 200x250 | 3/8"   | 160          | 4mm/0.02        | 670x560x280          | 78            | 1007-003 |
| <b>VCT-1024</b> | 250 | 600 | 400 | 500 | 340 | 430 | 250x300 | 1/2"   | 210          | 4mm/0.02        | 790x680x310          | 141           | 1007-004 |



# Precision Cross Table



**VCT-830**

A heavy, rugged slide in all kinds of positioning, milling, drilling micro-scope viewing and staging, adjustable bases for heavy loads, small jig boring, precision cut-off.

(m/m)

| ORDER NO.             | VCT-830   |
|-----------------------|-----------|
| <b>TABLE:</b>         | 210X730MM |
| <b>HEIGHT:</b>        | 150MM     |
| <b>TRAVEL:</b>        | 350X165MM |
| <b>BASE:</b>          | 360X285MM |
| <b>DIAL GRADUATED</b> | 0.02MM    |
| <b>NET WEIGHT</b>     | 85KGS     |
| <b>CODE NO.</b>       | 1007-010  |



# Cross Table



**VCT-512**

**ORDER NO. VCT-512 CODE NO. 1007-020**

Table:300x140mm

Height:115mm

Travel:200mm longitudinal.

125mm transverse.

Base:225mmx200mm oval with U slots for up to 16 bolts on 190 to 210 bolts circle.

Dial Graduated:0.03mm

Net weight:16.6kgs.

Packing Volume of each unit:430X265X155mm

LIGHT DUTY ONLY



# Right Angle Head

## VRA-TYPE

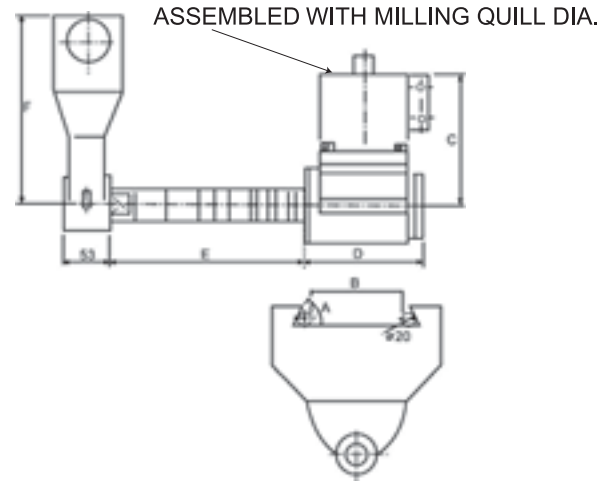
1. Used on Vertical Milling Machine to make horizontal work.
2. Rigidity constructed suitable for heavy-duty cutting.
3. The clamping bushing to suit milling machine

Please notify the quill dia. when ordering

| ORDER NO. | SUITABLE MILLING HEAD<br>QUILL DIAMETER | WEIGHT | CODE NO. |
|-----------|-----------------------------------------|--------|----------|
| VRA-R8    | 85.725mm~86mm                           | 12kgs  | 1008-001 |
| VRA-NT 30 | 85.725mm~86mm                           | 13kgs  | 1008-002 |
| VRA-NT 40 | 85.725,100,105,110,115mm                | 20kgs  | 1008-003 |



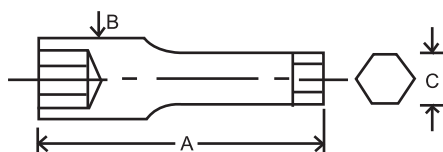
# Horizontal Milling Attachment



## •Horizontal Milling Arbor Support

| SPEC.<br>TYPE | SUITABLE M/C RAM<br>DOVETAIL WIDTH | WEIGHT |
|---------------|------------------------------------|--------|
| A 50°         | B 140mm~170mm                      | 26kgs  |
| A 55°         | B 140mm~170mm                      | 27kgs  |
| A 60°         | B 140mm~170mm                      | 29kgs  |

- 1.Special dovetail degree, also can supply....please notify.
2. VHA-TYPE including right angle head, long horizontal arbor and breaket. VHA-R-8-27m/m VHA-NT-30/NT-40-27m/m for The mm size, for inch size are same 25.4<sup>mm</sup>(1")
- 3.The quill diameter is same as VRA-Type



Unit:mm

| ORDER NO. | C   | D   | E   | F   | CODE NO. |
|-----------|-----|-----|-----|-----|----------|
| VHA-R-8   | 175 | 138 | 255 | 233 | 1008-010 |
| VHA-NT-30 | 175 | 160 | 270 | 233 | 1008-011 |
| VHA-NT-40 | 183 | 190 | 270 | 233 | 1008-012 |

| ORDER NO. | A   | øB | C  |
|-----------|-----|----|----|
| VHA-R-8   | 145 | 25 | 19 |
| VHA-NT-30 | 145 | 25 | 19 |
| VHA-NT-40 | 140 | 28 | 21 |



# Power Table Feed – Super Power Type



**For Longitudinal X Axis**

**For Cross Y Axis**

**For Vertical Z Axis**

**VPF-250X** The VERTEX vertical milling machines-model: VTM-2S/2V/3V/4V/5V and all milling machine without gearbox table feed device. All type milling/drilling machines high torque. Easy installation. Automatic shutoff. Superior thermal characteristic .Smooth operations. Safety option. Trouble-free performance. super power.

**VPF-250Y**

**VPF-250Z**

The max. torque is 650 in/1b

1. New super power design and construction materials.
2. Top quality. Long life span designed.

## VPF-235

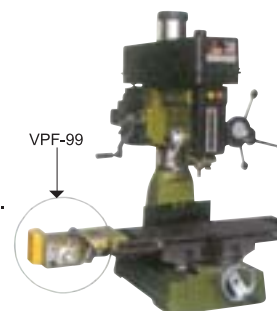
### Features

1. The VERTEX power table feed for 2V,3V,5V milling machine.
2. Easy to install, no modification needed.
3. Highest quality design and construction materials.
4. Circuit panel is designed with easily replaceable insert type connectors.
5. Assy-gear( nylon ) clutch has built in torque release to prevent damage to shaft and metal gear if too much resistance is met.

## VPF-99

### Features

1. Application:the VERTEX power table feed for Drill/Milling machine.
2. Easy to install, no modification needed.
3. Highest quality design and construction.
4. Circuit panel is designed for easy replacement with insert type connectors.
5. Assy-gear clutch has limit for twisting:When power feed is working and accepting tremendous obstacle, the assy-gear clutch will automatically become natural turning in order to reduce damage.



## OPTIONAL Transformer 110V 220V

ORDER NO. VPF-TF

CODE NO. 1009-006

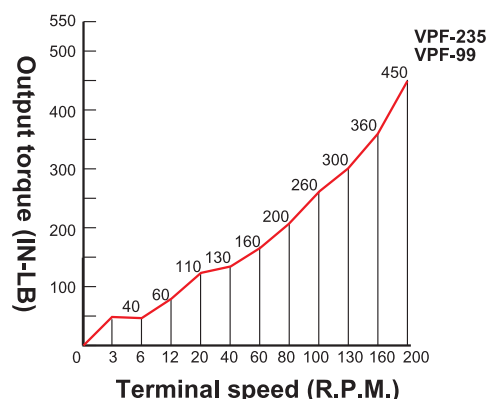
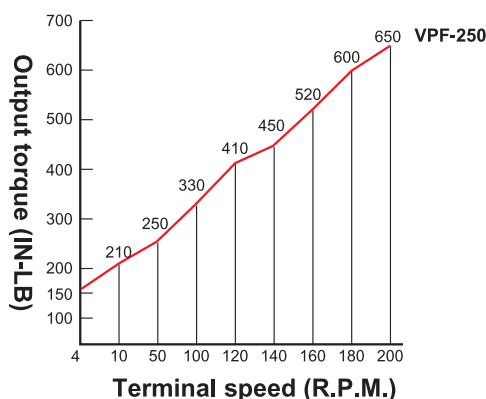
TR1:Output TR2:2 Output

Output: 110V 50/60Hz,  
power supply: 50/60Hz, 1-phase

220, 240, 380, 415, 440V

THIS TRANSFORMER IS

FOR VPF-TYPE USE ONLY.



| ORDER NO. | VOLTAGE | Speed Range | Rapid Speed | Max. Torque | LxWxH         | G.W.   | CODE NO. |
|-----------|---------|-------------|-------------|-------------|---------------|--------|----------|
| VPF-250 x | 110V    | 4-160rpm    | 200rpm      | 650 in/lb   | 290x200x320mm | 6.5kgs | 1009-001 |
| VPF-250 y |         |             |             |             |               |        | 1009-002 |
| VPF-250 z |         |             |             |             |               |        | 1009-003 |
| VPF-235 x | 110V    | 0-140rpm    | 200rpm      | 440 in/lb   | 290x200x320mm | 6.5kgs | 1009-004 |
| VPF-99 x  | 110V    | 0-165rpm    | 240rpm      | 450 in/lb   | 290x200x315mm | 6.8kgs | 1009-005 |



# Air Power Drawbar



- It will increase your productivity with more profits as cutter replacement needs only 3 sec and the speed of replacement is more than 10 times to compare with traditional cutter replacement.

## Air power drawbar

PD-150 PD-200

1. It can be installed in any kind of machine, of which the main spindle are R-8, NT #30, #40 or #50.
2. It is convenient for the machinist who wants increased production and performance from his machine.
3. It is suitable for NC and general milling machines.
4. This device is easily installed needs only 5 seconds to change the cutting tool.
5. Main power is air compression.
6. This machine is designed with safety device controlled with solenoid valve. The power drawbar cannot be operated while machine is running.

## Standard equipment

1. Power motor
2. Control box
3. Air filter and lubrication
4. Drawbar
5. Mounting hardware

| ORDER NO.     |       | SPEED      | TORQUE    | AIR PRESSURE                       | VOLTAGE FOR MAGNETIC VALVE      | G.W. kgs | PACKING L x W x H | CODE NO. |
|---------------|-------|------------|-----------|------------------------------------|---------------------------------|----------|-------------------|----------|
| PD-150<br>FOR | R-8   | 3000 R.P.M | 150 ft-lb | 90 psi<br>6.3 kg / cm <sup>2</sup> | AC 110V<br>OR<br>220V<br>DC 24V | 9.8      | 650x300x200       | 1010-001 |
|               | NT-30 |            |           |                                    |                                 |          |                   | 1010-002 |
|               | NT-40 |            |           |                                    |                                 |          |                   | 1010-003 |
| PD-200<br>FOR | NT-50 | 3000 R.P.M | 200 ft-lb | 90 psi<br>6.3 kg / cm <sup>2</sup> | AC 110V<br>OR<br>220V<br>DC 24V | 11       | 650x300x200       | 1010-004 |

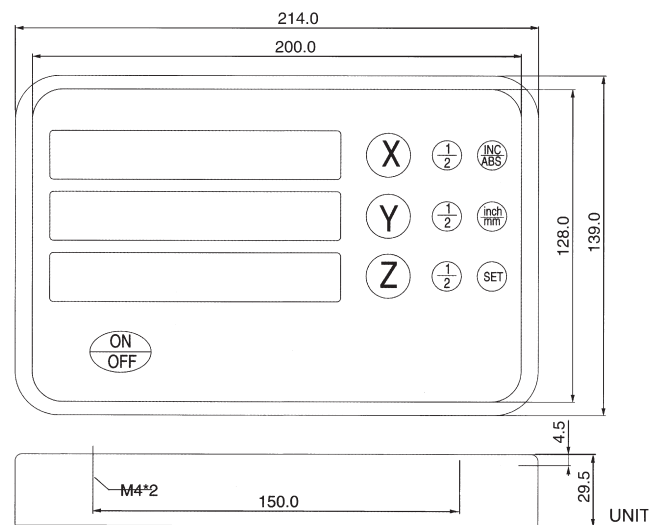


# Digital Readout & Linear Scale



- Using 5 sets of bearings assures excellent repeatability positioning, good sliding and durability
- High accuracy optical glass scale
- Excellent capability in interference resistance (2000V)
- Easy installation and maintenance.
- Special process of aluminum alloy for water/oil proof and anti-dust.

## Standard type Digital Readout



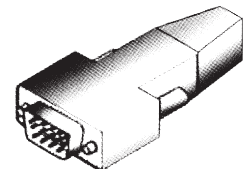
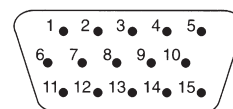
| ORDER NO. | AXIS OF NUMBER | WEIGHT (kg) | CODE NO. |
|-----------|----------------|-------------|----------|
| DR 3000-2 | 2              | 2.1         | 1011-001 |
| DR 3000-3 | 3              | 2.1         | 1011-002 |

## STANDARD 15 PIN D-TYPE ASSIGNMENTS

NC:NO CONNECTION  
 7.8:Aux. Power Pins  
 13.14:Reserved Pins  
 FG:Frame Ground

## DR 3000 Function

- Zero setting.
- 1/2 calculation, locating workpiece center.
- mm/inch conversion.
- INC/ABS conversion
- Resolution selection:  
 Scale: 0.0001, 0.0002, 0.0005, 0.001, 0.002, 0.005, 0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1, 5, 10 mm.
- Encoder: 1~0.0001
- Diameter/Radius selection.
- DIR:Setting the coordinate direction.
- Error compensation: Linear compensation and non linear compensation.
- Instant power failure memory.
- Self-diagnostic function for calculation error.
- RS232 output.
- Power consumption:DC 8V-30V , 0.8A



| 1   | 2  | 3  | 4  | 5  | 6  | 7   | 8  |
|-----|----|----|----|----|----|-----|----|
| +5V | OV | A  | B  | RI | FG | +5V | OV |
| 9   | 10 | 1  | 12 | 13 | 14 | 15  |    |
| NC  | NC | IG | OV | NC | NC | NC  |    |



# Linear Scale

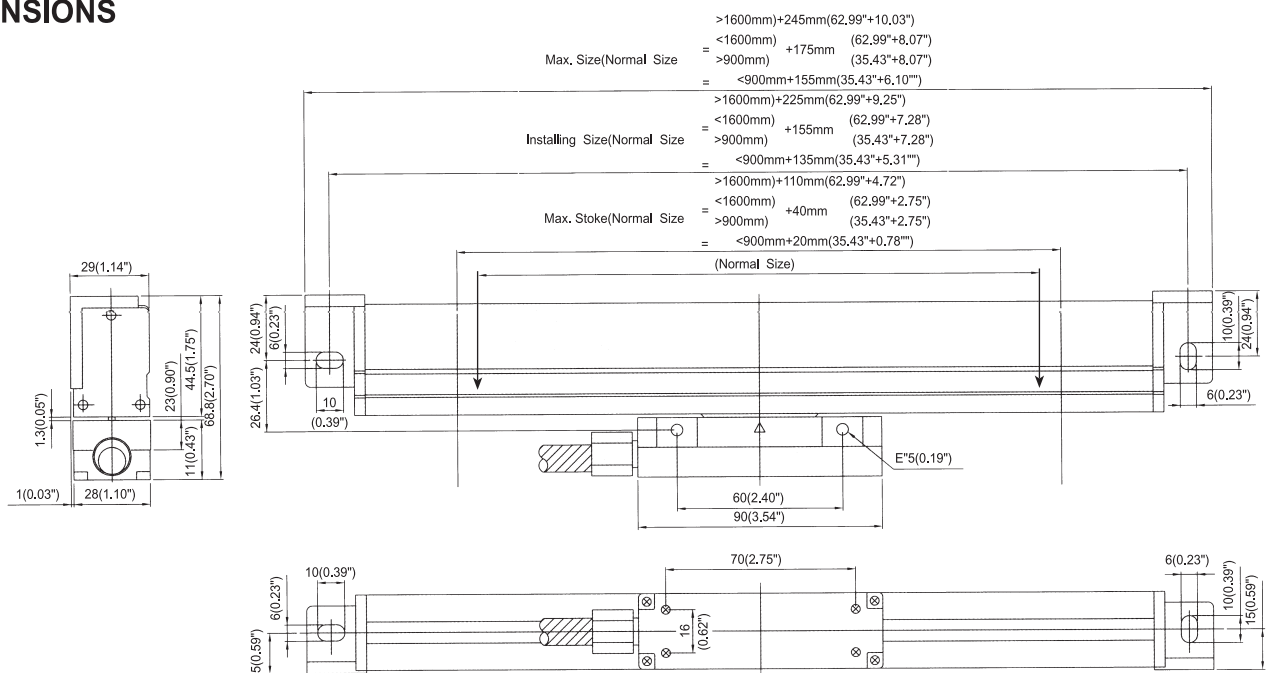


- Resolution: 0.005 mm;
- Measuring Length (ML): 50mm~3000mm
- Output signal: 5V, TTL; RS422 (optional)
- Accuracy:  $\pm (5+5L/1000) \mu\text{M}$
- Max. Response Speed: 72M/min.

| LENGTH     | 50mm       | 100mm      | 150mm      | 200mm      | 250mm      | 300mm      | 350mm      |
|------------|------------|------------|------------|------------|------------|------------|------------|
| ORDER NO.  | LS0050-5A3 | LS0100-5A3 | LS0150-5A3 | LS0200-5A3 | LS0250-5A3 | LS0300-5A3 | LS0350-5A3 |
| WEIGHT(kg) | 1.2        | 1.38       | 1.52       | 1.54       | 1.60       | 1.73       | 1.89       |
| CODE NO.   | 1011-010   | 1011-011   | 1011-012   | 1011-013   | 1011-014   | 1011-015   | 1011-016   |
| LENGTH     | 400mm      | 450mm      | 500mm      | 600mm      | 700mm      | 800mm      | 900mm      |
| ORDER NO.  | LS0400-5A3 | LS0450-5A3 | LS0500-5A3 | LS0600-5A3 | LS0700-5A3 | LS0800-5A3 | LS0900-5A3 |
| WEIGHT(kg) | 1.95       | 2.06       | 2.14       | 2.34       | 2.62       | 2.72       | 3.03       |
| CODE NO.   | 1011-020   | 1011-021   | 1011-022   | 1011-023   | 1011-024   | 1011-025   | 1011-026   |
| LENGTH     | 1000mm     | 1100mm     | 1200mm     | 1300mm     | 1400mm     | 1500mm     | 1600mm     |
| ORDER NO.  | LS1000-5A3 | LS1100-5A3 | LS1200-5A5 | LS1300-5A5 | LS1400-5A5 | LS1500-5A5 | LS1600-5A5 |
| WEIGHT(kg) | 3.26       | 3.46       | 3.55       | 3.83       | 4.05       | 4.32       | 4.60       |
| CODE NO.   | 1011-030   | 1011-031   | 1011-032   | 1011-033   | 1011-034   | 1011-035   | 1011-036   |

Standard signal cable length = 3.5 meter,, ML < 1200mm; 5 meter, ML \* 1200mm

## DIMENSIONS



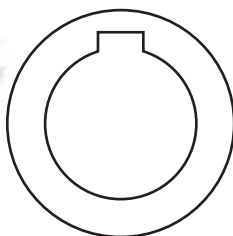
(MAX. TRAVEL) = ML + 20mm ML≤900mm, ML+ 40mm 1000mm≤ML≤1600mm, ML + 110mm M≥1800mm



# Slotting Head Unit



| ORDER NO. | CODE NO. |
|-----------|----------|
| VSH-R8    | 1012-001 |
| VSH-NT30  | 1012-002 |
| VSH-NT40  | 1012-003 |



This device's maximum up-and-down travel is 50mm. It can be mounted on general milling machine as Slotting Head.

1. IT IS QUICK AND HANDY FOR CHANGING THE TOOLS
2. PROCESS FUNCTION: RIGHT ANGLE.
3. IT'S SUITABLE FOR ALL THE MACHINE TOOLS (EXAMPLE: VERTICAL TURRET MILLING MACHINE, BORING MACHINE, MACHINING CENTER, ETC.)

| ORDER NO.     | VSH-           |
|---------------|----------------|
| SPINDLE TAPER | R8, NT30, NT40 |
| TRAVEL        | 50mm           |
| CUTTER        | 4mm, 5mm       |
| WEIGHT        | 9KGS           |
| L x B x H     | 240x250x150mm  |



# Precision Slotting Head

ORDER NO. VSH-125 CODE NO. 1012-010

## Features

1. Special design worm and worm gear with linkage transmission mechanism, well construction and highly power output.
2. The ram-sliding surface are hardened and precision ground
3. Built in lubricating system for smoothly running and prolong the life of head
4. Available mounting on any type milling m/c back side of the ram.

## Specification

Stroke: 125mm(5")

No. of stroke speed change: 5 steps

Stroke speed (stroke/min): 30, 47, 69, 98, 140 spm(50HZ)

Stroke speed (stroke/min): 35, 54, 79, 112, 160 spm(60HZ)

Driving Motor: 3/4HP-6P

G.WEIGHT: 150kgs

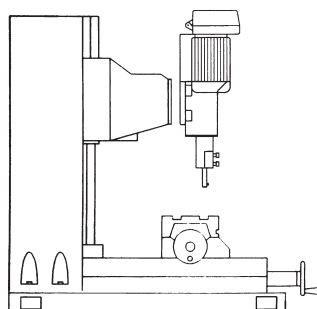
## Optional Accessories

1. Flange A
2. Flange B
3. Slotting bar & cutter  
4, 5, 6, 7, 8, 10mm

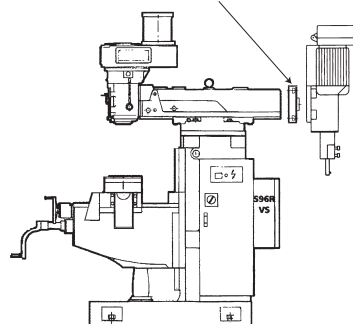
| ORDER NO. | CUTTER & DESCRIPTION | WEIGHT (kg) | CODE NO. |
|-----------|----------------------|-------------|----------|
| VSH-4C    | Slotting bar 4mm     | 0.07        | 1012-011 |
| VSH-5C    | Slotting bar 5mm     | 0.08        | 1012-012 |
| VSH-6C    | Slotting bar 6mm     | 0.09        | 1012-013 |
| VSH-7C    | Slotting bar 7mm     | 0.1         | 1012-014 |
| VSH-8C    | Slotting bar 8mm     | 0.1         | 1012-015 |
| VSH-10C   | Slotting bar 10mm    | 0.1         | 1012-016 |
| VSH-FGA   | FLANGE A             | 17          | 1012-017 |
| VSH-FGB   | FLANGE B             | 22          | 1012-018 |



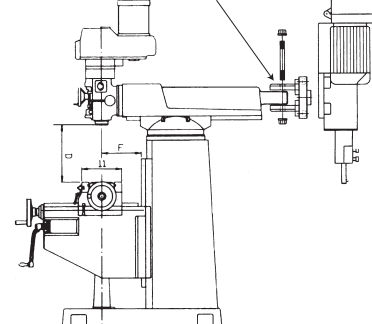
1. Direct mounting



2. Mounting with flange A

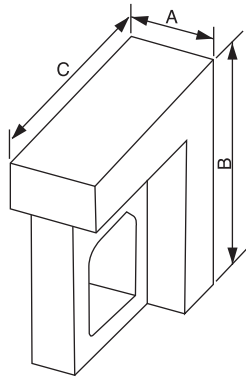


3. Mounting with flange B





# Precision Right Angle Plate



- Made of finest quality castings, stress relieved.
- All outside surfaces closely finished for square and parallel references:

Precision ground: Square within 0.01mm per 100mm

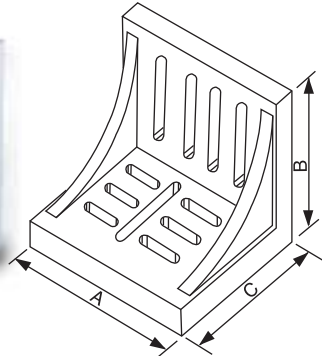
Parallel within 0.01mm per 100mm

Unit:mm

| ORDER NO. | Approx Dimensions |     |     | WEIGHT   | CODE NO. |
|-----------|-------------------|-----|-----|----------|----------|
|           | A                 | B   | C   |          |          |
| VRH-4     | 102               | 126 | 150 | 7 kgs    | 1013-001 |
| VRH-5     | 126               | 202 | 300 | 19 kgs   | 1013-002 |
| VRH-6     | 150               | 150 | 202 | 15 kgs   | 1013-003 |
| VRH-8     | 202               | 250 | 300 | 32,5 kgs | 1013-004 |



# Right Angle Plate



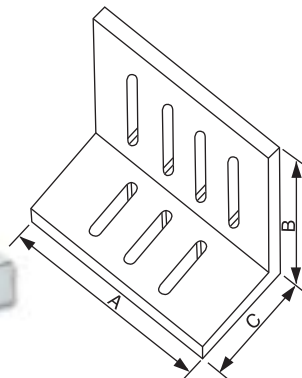
- Made of high tensile cast iron
- Webbed style accurately grounded, square and parallel on outside faces and ends within 0.01mm per 100mm

Unit:mm

| ORDER NO. | Approx Dimensions |     |     | WEIGHT  | CODE NO. |
|-----------|-------------------|-----|-----|---------|----------|
|           | A                 | B   | C   |         |          |
| VR-6      | 150               | 126 | 115 | 3.5 kgs | 1013-010 |
| VR-8      | 202               | 150 | 126 | 7 kgs   | 1013-011 |
| VR-10     | 250               | 202 | 126 | 12 kgs  | 1013-012 |
| VR-12     | 300               | 228 | 202 | 25 kgs  | 1013-013 |



# Slotted Angle Plates



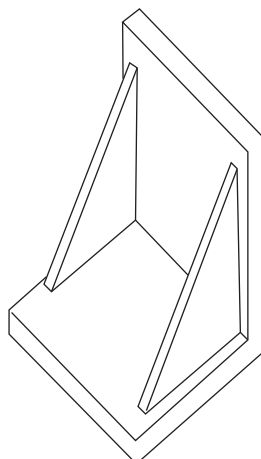
Many sizes also stocked with precision ground finish, prices on request.

- Made of high tensile cast iron properly seasoned against distortion.
- Open end style accurately machined square and parallel on all faces.

| ORDER NO. | Approx Dimensions |        |        | APPROX WEIGHT | CODE NO. |
|-----------|-------------------|--------|--------|---------------|----------|
|           | A                 | B      | C      |               |          |
| VR-45     | 4-1/2"            | 3-1/2" | 3"     | 1.6 kgs       | 1013-020 |
| VR-60     | 6"                | 5"     | 4-1/2" | 4.5 kgs       | 1013-021 |
| VR-80     | 8"                | 6"     | 5"     | 7 kgs         | 1013-022 |
| VR-100    | 10"               | 8"     | 6"     | 14.5kgs       | 1013-023 |
| VR-120    | 12"               | 9"     | 8"     | 24 kgs        | 1013-024 |



# Plain Angle Plates



## Machined or precision ground

- Made from high tensile cast iron - normalized and stress relieved.
- Machined: Flat and square within .002" per 6" for general work.
- Precision ground: Flat and square within .0005" per 6" for layout and inspection or precision machining.

| ORDER NO. | Size in inches | APPROX WEIGHT | CODE NO. |
|-----------|----------------|---------------|----------|
| VR-22     | 2 x 2 x 2      | 0.5 kgs       | 1013-030 |
| VR-33     | 3 x 3 x 3      | 1.1 kgs       | 1013-031 |
| VR-44     | 4 x 4 x 4      | 2.5 kgs       | 1013-032 |
| VR-55     | 5 x 5 x 5      | 4 kgs         | 1013-033 |
| VR-66     | 6 x 6 x 6      | 7 kgs         | 1013-034 |
| VR-88     | 8 x 8 x 8      | 13 kgs        | 1013-035 |
| VR-1010   | 10 x 10 x 10   | 26 kgs        | 1013-036 |
| VR-1212   | 12 x 12 x 12   | 43.5kgs       | 1013-037 |



## Screw Jack



| ORDER NO.      | ADJUSTABLE CAPACITY | DØ | K.G. | CODE NO. |
|----------------|---------------------|----|------|----------|
| <b>VSJ-70</b>  | 65-80mm             | 38 | 0.43 | 1014-001 |
| <b>VSJ-150</b> | 110-150mm           | 50 | 1.16 | 1014-002 |
| <b>VSJ-250</b> | 140-200mm           | 53 | 2.22 | 1014-003 |
| <b>VSJ-500</b> | 280-380mm           | 73 | 4.59 | 1014-004 |



## U-Clamp



PAIRS

| ORDER NO.      | STUD      | L x W x H   | K.G. | CODE NO. |
|----------------|-----------|-------------|------|----------|
| <b>VCA-404</b> | 1/2" x 4" | 105x45x35mm | 1.5  | 1015-001 |
| <b>VCA-405</b> | 5/8" x 5" | 126x54x40mm | 2.4  | 1015-002 |
| <b>VCA-406</b> | 3/4" x 6" | 202x60x50mm | 4.3  | 1015-003 |



## Pivot Clamp



PAIRS

| ORDER NO.      | Table T-Slot Size | Stud X L Size | Body      | Clamping height | G.W. | CODE NO. |
|----------------|-------------------|---------------|-----------|-----------------|------|----------|
| <b>VCB-404</b> | 16                | 1/2-12x5"     | 115x42x39 | 0 or 3 1/2"     | 1.6  | 1015-005 |
| <b>VCB-405</b> | 20                | 5/8-11x6"     | 133x50x49 | 0 or 4"         | 2.6  | 1015-006 |
| <b>VCB-406</b> | 22                | 3/4-10x7"     | 157x60x54 | 0 or 4 3/4"     | 4.5  | 1015-007 |
| <b>VCB-408</b> | 25                | 1-8x8"        | 7x27/8    | 1-1/2           | 8    | 1015-008 |

- The clamping height is adjustable
- With brass plate under the clamp arm for protecting the working material from damage
- By using spherical Flange nut, it will be assured to clamp the material tightly
- The clamping arm is forged



## Hand Drift



### An essential tool for machinery processing

Specially applied for :Vertical drill, radial drill, compounding miller, boring miller, and any drill drifting, etc.

- Easy and fast operation.
- Enhance the working efficiency.
- Protect toolings to be safe.
- Economical, practical & durable.

| ORDER NO.    | Suit For Spindle Notes | Length | Pc/Box Size | 30 Pcs/ Carton Size | N.W.   | CODE NO. |
|--------------|------------------------|--------|-------------|---------------------|--------|----------|
| <b>VHD-1</b> | M.T.#2 #3 #4 #5        | 375mm  | 385x45x37mm | 390x270x240mm       | 1.5 kg | 1016-001 |



# Eye Shield

VH-56



- The clamping height is adjustable  
With brass plate under the clamp arm for protecting the working material from damage

| ORDER NO. | GUIDER SIZE | K.G. | CODE NO. |
|-----------|-------------|------|----------|
| VH-56     | 300x180x2   | 1    | 1017-001 |



# Milling Table Slot Cover



- For milling machines with 5/8" T-slot Dimensions
- Save time cleaning chips from machine
- Protects table slots
- Prevents chips from interfering with coolant flow
- Made of hand anodized aluminum, The weight is light
- Available in 3 different sets



| ORDER NO. | W  | L    | Set  | WEIGHT | CODE NO. |
|-----------|----|------|------|--------|----------|
| VST-16    | 16 | 400  | 6PCS | 0.2kg  | 1018-001 |
| VST-18    | 18 | 450  | 6PCS | 0.2kg  | 1018-002 |
| VST-20    | 20 | 1000 | 5PCS | 0.8kg  | 1018-003 |
| VST-22    | 22 | 1000 | 5PCS | 0.8kg  | 1018-004 |
| VST-24    | 24 | 1000 | 5PCS | 0.8kg  | 1018-005 |
| VST-28    | 28 | 1000 | 5PCS | 1kg    | 1018-006 |
| VST-36    | 36 | 1000 | 5PCS | 1.1kg  | 1018-007 |



# Vee Blocks



## MACHINED ONLY

Material:High quality close-grained cast iron,streets-relieved.

Accuracy:Machining to 0.03mm/100mm

| ORDER NO. | Length | Width/Set | Height | V-Width | V-Depth | Weight/Set | CODE NO. |
|-----------|--------|-----------|--------|---------|---------|------------|----------|
| V-2V      | 51mm   | 48mm      | 32mm   | 25mm    | 12.5mm  | 0.40kgs    | 1019-001 |
| V-3V      | 76mm   | 62mm      | 53mm   | 34mm    | 17mm    | 1.16kgs    | 1019-002 |
| V-4V      | 102mm  | 82mm      | 60mm   | 48mm    | 24mm    | 2.04kgs    | 1019-003 |
| V-5V      | 126mm  | 102mm     | 79mm   | 58mm    | 29mm    | 4.02kgs    | 1019-004 |
| V-6V      | 150mm  | 124mm     | 88mm   | 80mm    | 40mm    | 6.32kgs    | 1019-005 |
| V-7V      | 178mm  | 152mm     | 115mm  | 92mm    | 46mm    | 10.9kgs    | 1019-006 |
| V-8V      | 202mm  | 174mm     | 140mm  | 114mm   | 57mm    | 18.6kgs    | 1019-007 |

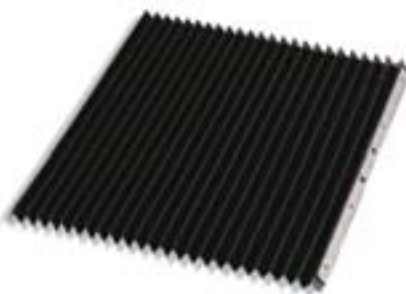


# Draw Bar

| ORDER NO.   | DRAW BAR<br>THREAD | LENGTH mm         |                       | WEIGHT<br>(kg) | CODE NO. |
|-------------|--------------------|-------------------|-----------------------|----------------|----------|
|             |                    | STEPS<br>(S) TYPE | VARIABLE<br>(A) SPEED |                |          |
| VDR-R8-S    | 7/16-20NC          | 518               | 598                   | 0.49           | 1020-001 |
| VDR-R8-A    |                    |                   |                       | 0.732          | 1020-002 |
| VDR-NT302-S | 1/2-12NC           | 555               | 635                   | 0.638          | 1020-003 |
| VDR-NT302-A |                    |                   |                       | 0.824          | 1020-004 |
| VDR-NT303-S | 1/2-13NC           | 555               | 635                   | 0.638          | 1020-005 |
| VDR-NT303-A |                    |                   |                       | 0.824          | 1020-006 |
| VDR-NT30M-S | M12 X 1.75P        | 555               | 635                   | 0.638          | 1020-007 |
| VDR-NT30M-A |                    |                   |                       | 0.824          | 1020-008 |
| VDR-NT40I-S | 5/8-11NC           | 545               | 630                   | 1.024          | 1020-009 |
| VDR-NT40I-A |                    |                   |                       | 1.266          | 1020-010 |
| VDR-NT40M-S | M16 X 2.0P         | 545               | 630                   | 1.024          | 1020-011 |
| VDR-NT40M-A |                    |                   |                       | 1.266          | 1020-012 |



# Expandable Machine Guard Cover

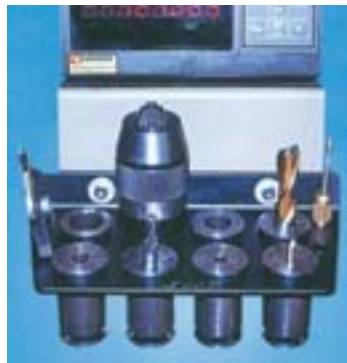


F IS FOR FRONT (X)  
B IS FOR BACK (Y)  
(MILLING MACHINE)  
B SERIES PLASTIC  
IS PLANE TYPE.

| ORDER NO. | W x L     | SUITFUL MILLING<br>SIZE | WEIGHT<br>(kg) | CODE NO. |
|-----------|-----------|-------------------------|----------------|----------|
| VGC-3833F | 380 x 330 | 1.5"                    | 0.304          | 1021-001 |
| VGC-3860F | 380 x 600 | 1.6" 1.7"               | 0.508          | 1021-002 |
| VGC-4550F | 450 x 500 | 1.6"                    | 0.61           | 1021-003 |
| VGC-3775B | 370 x 750 | 1.5"                    | 0.698          | 1021-004 |
| VGC-4585B | 450 x 850 | 1.6" 1.7"               | 1.002          | 1021-005 |
| VGC-6085B | 600 x 850 | 2.0"                    | 2.104          | 1021-006 |



# 5C.C32.OZ25 Collet Rack



SIZE: 220x110x6 m/m  
MATERIAL: PLASTIC  
G.W.0.6 kgs

| ORDER NO. | VMS-5    |
|-----------|----------|
| CODE NO.  | 1021-050 |



# Parts Storage

COLOR: RED,BLUE, YELLOW



| ORDER NO. | SIZE                  | PACKED     | EACH<br>WEIGHT | CODE NO. |
|-----------|-----------------------|------------|----------------|----------|
| VHB-1218  | 120W x 180D x 80H mm  | 60PCS/CASE | 0.125kg        | 1021-100 |
| VHB-1525  | 150W x 250D x 120H mm | 36PCS/CASE | 0.27kg         | 1021-101 |
| VHB-2035  | 200W x 350D x 150H mm | 18PCS/CASE | 0.585kg        | 1021-102 |
| VHB-2045  | 200W x 450D x 177H mm | 12PCS/CASE | 0.8kg          | 1021-103 |
| VHB-3045  | 300W x 450D x 177H mm | 8PCS/CASE  | 1.8825kg       | 1021-104 |
| VHB-1015  | 100W x 150D x 80H mm  | 80PCS/CASE | 0.074kg        | 1021-105 |
| VHB-1220  | 300W x 450D x 177H mm | 60PCS/CASE |                | 1021-106 |
| VHB-1526  | 150W x 260D x 128H mm | 36PCS/CASE | 0.201kg        | 1021-107 |



# Universal Cutter Grinder



## Standard Accessory

- 1.Wheel dresser with diamond..... 1pc
- 2.Wheel flange (mounted)..... 1pc
- 3.Grinding wheel.....1pc (U2-G)
- 4.Collect Ø4,6,8,10,12mm.....5pc
- 5.Aligning flinger..... 1pc
- 6.Drive belt(U2-B).....1pc (U2-B)
- 7.Lock pin..... 1pc
- 8.Tools.....1set

## Optional Accessory

- 1.Twist drill grinding attachment U2-T
- 2.END mill grinding attachment U2-E
- 3.Lathe tool grinding attachment U2-L
- 4.Grinding wheel balancing stand  
LBS-100 CODE NO. 2014-010
- 5.Diamond grinding wheel U2-D
- 6.Resinoid Diamond & CBN Wheels U2-R
- 7.Collect (extra 1,2,2.5,3,5,7,9,18,20,25mm  
and 1/8",3/16",1/4",5/16",3/8",1/2",5/8")



- 8.Tool cabinet stand U2-C, 900 x 500 x 400  
m/m G.W 40kgs  
CODE NO. 1022-015



## ORDER NO. U2 CODE NO. 1022-001

For grinding HSS and carbide engraving cutter as well as single lip or multiple lip cutters of various shapes such as radius cutters or negative taper angle of cutters. The universal index head is provided at 24 positions so that any particular angle or shape can be obtained, free 3600 or 100 rotation is allowed for grinding End Mills. Twist Drill. Lathe Tools, only replace the attachment to the index head without any complex setup.

### Technical Data

Max. Collet capacity Ø18mm

Max. Grinding dia. Ø25mm

Taper angle 0° \_ 180°

Relief angle 0° \_ 45°

Negative angle 0° \_ 26°

Grinding spindle 3600 r.p.m.

Cup grinding wheel 100X50X20mm

Motor 1/3Hp 220V50/60Hz, please notify volt & phase

Net weight 45kgs

G.W.:60kgs

Machine dimensions(LXWXH)45X40X35cm

Packing dimensions(LXWXH)55X45X47cm

| ORDER NO.    | CODE NO. |
|--------------|----------|
| U2-E         | 1022-010 |
| U2-T         | 1022-011 |
| U2-L         | 1022-012 |
| U2-D         | 1022-013 |
| U2-B BELT    | 1022-014 |
| U2-C CABINET | 1022-015 |
| U2-G WHEEL   | 1022-016 |
| U2-R         | 1022-017 |



WEIGHT: 1.75kg  
CODE NO. 1022-010 U2-E  
END mill grinding attachment



WEIGHT: 0.8kg  
CODE NO. 1022-011 U2-T  
Twist drill grinding attachment

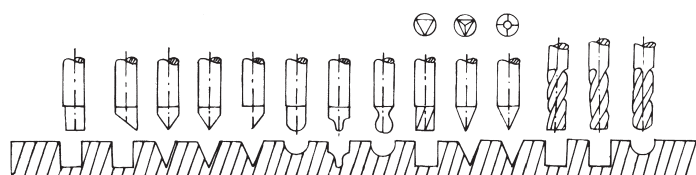


WEIGHT: 1.1kg  
CODE NO. 1022-012 U2-L  
Lathe tool grinding attachment



U2-R  
WEIGHT:0.6kg  
1022-017  
U2-D  
WEIGHT:0.3kg  
1022-013  
CODE NO. 1022-013  
Diamond grinding wheel  
CODE NO. 1022-017  
Resinoid Diamond & CBN Wheels

## ENGRAVING AND MILLING CUTTER





# Chamfering & Deburring Machine



**VCF-500**

SPMN 1203

Accessory: Side Mill Cutter Insert SPUN 422



**VCF-500W**

Accessory: Grinding Wheel  
125Ø x 50 x 31.75Ø



**VCF-500F**

Accessory: Face Milling Cutter  
Insert SEKN 1203

| ORDER NO. | CODE NO. |
|-----------|----------|
| VCF-500   | 1023-001 |
| VCF-500W  | 1023-002 |
| VCF-500F  | 1023-003 |

## PRACTICAL

- A. UNIVERSAL APPLICATION.
- B. SIMPLIFIED OPERATION.
- C. FAST-ACCURATE-RATIONAL
- D. TIME SAVED.

## FEATURES FOR VCF-

1. Simplified operation,  
suitable for unskilled personnel.
2. Easily to be bevelled for any length  
made of steel, cast iron, nonferious  
metals, plastics, acrylic etc.
3. 500 : With exchangeable carbide insents,  
knife can be changed easily to  
decrease cost and increase working  
ability.
4. 500W: With taper wheel or flange hot-  
processed parts also can be bevelled  
or chamferred.
5. 500F : Working base on surface milling  
principles, the deburring proccsing  
surface is same as the milling machine  
surface.

## TECHNICAL DATA

| Space<br>requirement     | 500                             | 500W                  | 500F                  |
|--------------------------|---------------------------------|-----------------------|-----------------------|
|                          | 500X320m/m                      | 500X440m/m            | 500X220m/m            |
| Weight                   | 29kgs                           | 31kgs                 | 31kgs                 |
| Voltage                  | 3Ø220V or 1Ø110V/220V 50HZ/60HZ |                       |                       |
| Motor output             | 0.7KW                           |                       |                       |
| Speed                    | 3500 r. p. m                    |                       |                       |
| Lenght of<br>guide rails | 500m/m<br>(Changable)           | 500m/m<br>(Changable) | 500m/m<br>(Changable) |
| Height of bevel          | 0-3m/m                          |                       |                       |
| Bevel angle              | 15° ~45°<br>(Changable)         | 45°                   | 45°                   |

PLEASE NOTIFY VOLTAGE & PHASE, WHEN YOU ORDERING.  
C.E MARK REQUESTED



# Chamfering & Deburring Machine



## VCF-500S

Accessory: Sanding Disc  
165Ø x 22Ø

| ORDER NO. | CODE NO. |
|-----------|----------|
| VCF-500S  | 1023-004 |
| VCF-600   | 1023-005 |
| VCF-700   | 1023-006 |

## PRACTICAL

- A. UNIVERSAL APPLICATION.
- B. SIMPLIFIED OPERATION.
- C. FAST-ACCURATE-RATIONAL
- D. TIME SAVED.

## FEATURES FOR VCF-

1. 500S : Uses sanding disc, can debur soft and rigid materials.
2. 600 : Easy to carry and time-saving. suitable for heavy workpiece which can't be easily moved. The tools can be chamfered 0-3mm bevel angle, radius, arc angle, irregular shape, straight line, outer curve and etc.
3. 700 : The machine is used to carry out chamfering operations on any kind of ferrous material in particular steel and cast iron. Equipped with square-shaped tungsten carbide inserts-12. 7x12. 7x3.18 ISO 1203 SPUN. Simplified operation suitable for unskilled personnel. 3Ø220V/3Ø380V

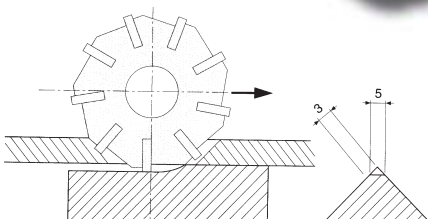


## VCF-600

Insert SPMW 321  
ZSPMW 090308



## VCF-700



## TECHNICAL DATA

| Space requirement     | VCF-500S<br>330X410                            | VCF-600<br>380X130 | VCF-700<br>360X200X260 |
|-----------------------|------------------------------------------------|--------------------|------------------------|
| Weight                | 27kgs                                          | 3.7kgs             | 13kgs                  |
| Voltage               | 3Ø220V or 1Ø110V/220V 50HZ/60HZ<br>3Ø380V/415V |                    |                        |
| Motor output          | 0.7KW                                          |                    | 0.37KW                 |
| Speed                 | 3500 r. p. m                                   | 12000 r. p. m      | 3500 r. p. m           |
| Lenght of guide rails | 320m/m                                         | 100m/m             | 200m/m                 |
| Height of bevel       | 0-3m/m                                         | 0-3m/m             | 0-7m/m                 |
| Bevel angle           | 45°                                            | 45°                | 15° ~45°<br>Adlustable |

PLEASE NOTIFY VOLTAGE & PHASE, WHEN YOU ORDERING.



# Ejector Pin Cutting-off Machine

A PRECISE & SHARP CUTTING TOOL FOR MOULD MAKING LINE

ORDER NO. VEC-100

CODE NO. 1024-001

## FEATURES

1. Moveable shaft bearing easy operation, safety.
2. For cutting ejector pin of mould. or machine key. round rod.
3. Heat-Treatment materials. Good-Looking cutting surface of stainless steel.
4. Handle device according law of lever, it's easy to move on.
5. Cause no vibration, no dust and noiseless.
6. Easy to exchange the emery wheel.

**ABLE TO CUT ALL THE MATERIAL WITH PLANE SURFACE ALMOST**



## STANDARD ACCESSORIES

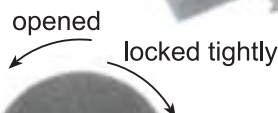
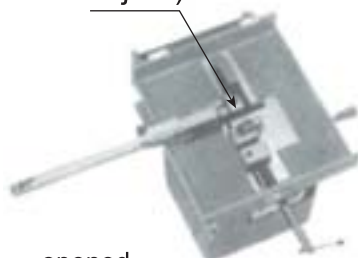
Emery wheel (Ø150X1X19.05mm) 5 PCS



## EMERY WHEEL ASSEMBLY BY HAND

## LARGE & SMALL V SLOT

(For clamping round object)



## SPECIFICATION

Unit:mm

| MAX.CUTTING CAPACITY | Ø25x300L      |
|----------------------|---------------|
| CUTTING TOLERANCE    | 20 ± 0.10MM   |
| EMERY WHEEL          | 150MM(O.D.)   |
|                      | 1MM(THICK)    |
|                      | 19.05MM(HOLE) |
| R.P.M                | 3600          |
| MOTOR                | 1/2HP         |
| MEASURE RULE         | 300MM         |
| WEIGHT (APPROX.)     | 94KGS         |
| MACHINE SIZE         | 620X420X450MM |
| PACKING SIZE         | 720X520X600MM |

PLEASE NOTIFY THE VOLTAGE & PHASE, WHEN YOU ORDERING.



# Rods Precision Cutting-Off And End Surface Grinding Machine



| ORDER NO. | CODE NO. |
|-----------|----------|
| VEC-300G  | 1024-010 |
| VEC-500G  | 1024-011 |
| VEC-600G  | 1024-012 |

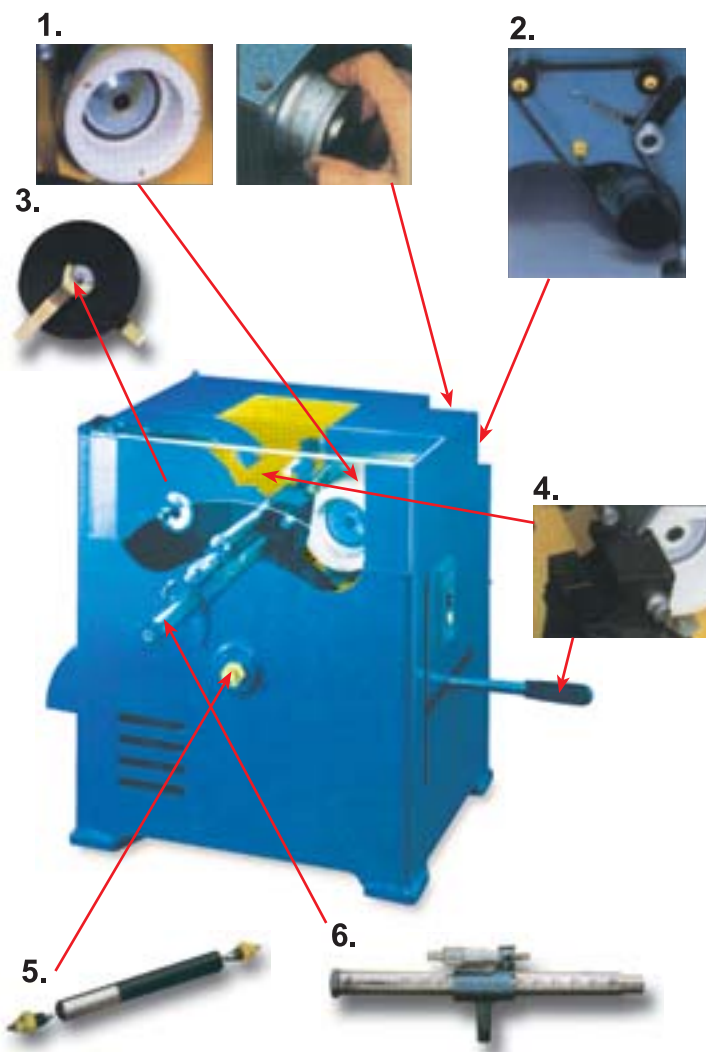
## FEATURES

1. During operation, the grinding sander may be micro adjusted and repaired without changing its dimensions.
2. The tightness of belt may be automatically adjusted and controlled (the larger the resistance, the tighter the belt.)
3. The dimensions precision of cutting off the length of working piece are not subject to the effect of the difference of thickness of cutting -off sander piece.
4. The rapid chuck is used to hold the working piece in place, opening or closing it is very quick, and  $\varnothing 1-25\text{mm}$  is the same.
5. When operation, a shaft with two tapered ends is used for transmission and characterized by high stability low wearing rate and long life.
6. The rapid positioning rule is in the unit of 20mm and provided with a micro rule (0mm to 25mm) of which the zeroing point is the dimensions at the rapid positioning point.
7. The minimum of cutting length is 60mm

## SPECIFICATION

|                         |                                                            |
|-------------------------|------------------------------------------------------------|
| Cut - off precision     | 25m/m $\varnothing$ x 300m/m $\pm 0.01$                    |
| Right - angle precision | 25m/m $\varnothing$ x 90 $^{\circ}$ $\pm 0.01$             |
| Cut - off sander lamina | 1m/m t x 180m/m $\varnothing$ (Hole) 31.8m/m $\varnothing$ |
| Grinding sander         | WA46K x 100 x 50 x 20                                      |
| R.P.M.                  | 3600                                                       |
| Motor                   | 3/4HP 110/220V 1 or 3 phase                                |
| Capacity                | 300m/m(500mm)(600mm)                                       |
| Weight(Approx.)         | 108.6Kgs(109.4Kgs)(110.5Kgs)                               |
| Machine Size            | L430m/m x W360m/m x H500m/m                                |

- The length of measure: 300mm is for VEC-300G  
500mm is for VEC-500G  
600mm is for VEC-600G  
Except the measure rule length is different, all items of body are same.
- Please notify the voltage & phase, when you ordering





# Dustproof Halogen Lamp UNIVERSAL TYPE

- Fitted with coil transformer resisting unstable voltage.
- Long service life.



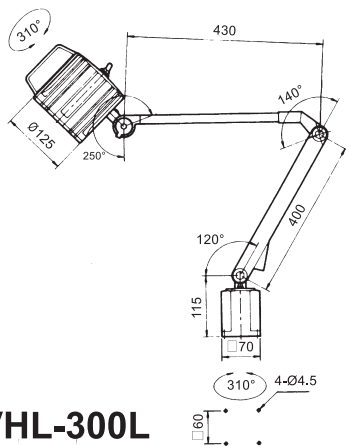
**VHL-300L**



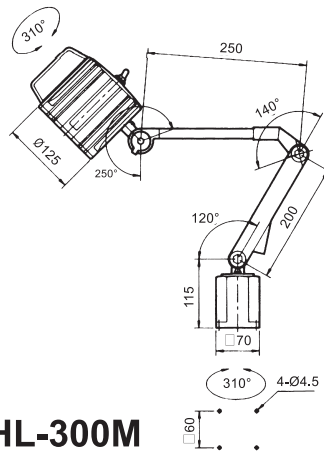
**VHL-300M**



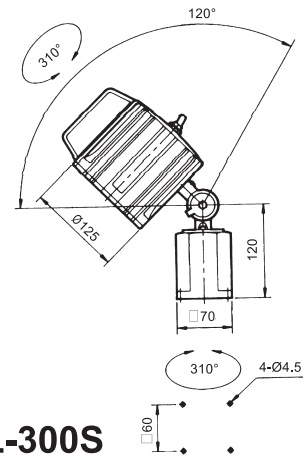
**VHL-300S**



**VHL-300L  
LONG ARM**

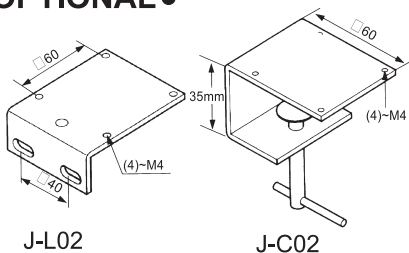


**VHL-300M  
MEDIUM ARM**



**VHL-300S  
SHORT ARM**

## • OPTIONAL •



**J-L02**

**J-C02**

- MOUNTING ANGLE PLATE J-L02
- MOUNTING CLAMP J-C02

Totally enclosed lighting head provides well prevention for explosion, dust, coolant, and lubricants.

Uses efficient quartz halogen bulb, great light output, soft illuminating without irritating to the eyes.

Unit:mm

| ORDER NO.       | ARM LENGTH<br>L x l | WEIGHT<br>(kg) | CODE NO. |
|-----------------|---------------------|----------------|----------|
| <b>VHL-300L</b> | 430X400             | 3.5            | 1025-001 |
| <b>VHL-300M</b> | 250X200             | 3.2            | 1025-002 |
| <b>VHL-300S</b> | 1 JOINT             | 2.4            | 1025-003 |
| <b>J-L02</b>    |                     | 0.4            | 1025-004 |
| <b>J-C02</b>    |                     | 0.4            | 1025-005 |

## FEATURES

- Coil transformer built in base for directly connect to voltage of Ac power. (110V, 220V, 380V.....)
- Specify voltage as desired when ordering.
- It accepts bulb 50W.
- Furnished with 1.8 meter cord with plug.



# Dustproof Halogen Lamp

UNIVERSAL TYPE

- Fitted with coil transformer resisting unstable voltage.
- Long service life. • With Water proof articulated arm.
- Round tube arm provides great lighting angles.



VHL-300LR



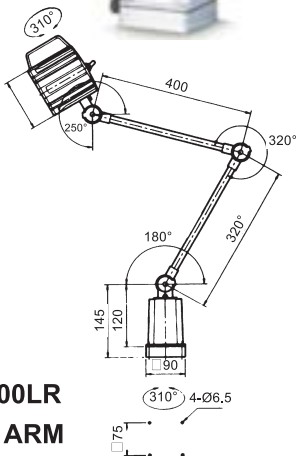
VHL-300MR



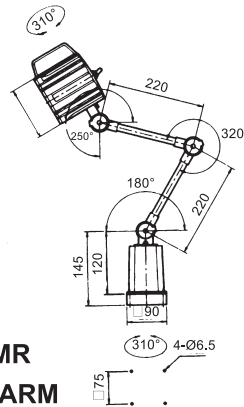
VHL-300SR



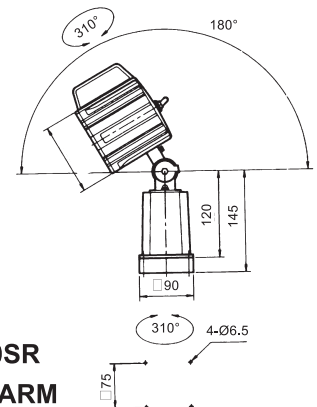
VHL-300 1/2MR



VHL-300LR  
LONG ARM

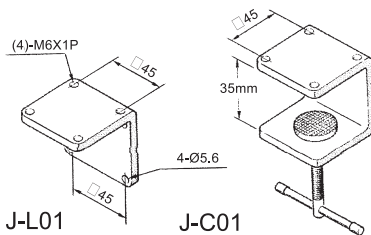


VHL-300MR  
MEDIUM ARM



VHL-300SR  
SHORT ARM

## • OPTIONAL •



- MOUNTING ANGLE PLATE J-L01
- MOUNTING CLAMP J-C01

Totally enclosed lighting head provides well prevention for explosion, dust, coolant, and lubricants.

Uses efficient quartz halogen bulb, great light output, soft illuminating without irritating to the eyes.

## FEATURES

- Coil transformer built in base for directly connect to voltage of Ac power. (110V, 220V, 380V.....)
- Specify voltage as desired when ordering.
- It accepts bulb 50W,55W,70W.
- Furnished with 1.8 meter cord with plug.

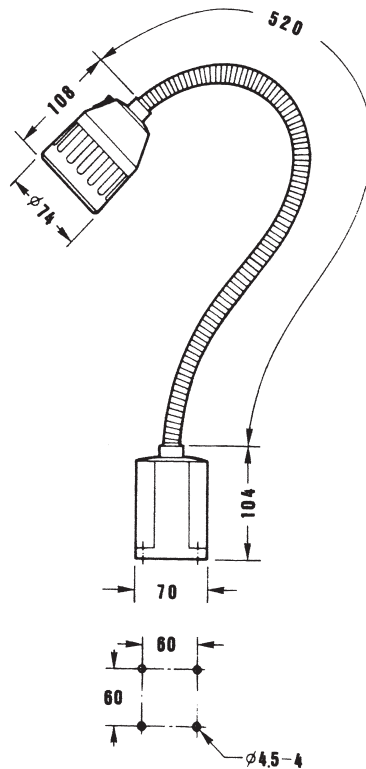
Unit:mm

| ORDER NO.     | ARM LENGTH<br>L x l        | WEIGHT<br>(kg) | CODE NO. |
|---------------|----------------------------|----------------|----------|
| VHL-300LR     | 400X400 (With Water Proof) | 4.8            | 1025-010 |
| VHL-300MR     | 200X200 (With Water Proof) | 4.5            | 1025-011 |
| VHL-300SR     | 1 JOINT (With Water Proof) | 3.5            | 1025-012 |
| VHL-300 1/2MR | 200 (With Water Proof)     | 4.3            | 1025-013 |
| J-L01         |                            | 0.4            | 1025-014 |
| J-C01         |                            | 0.4            | 1025-015 |



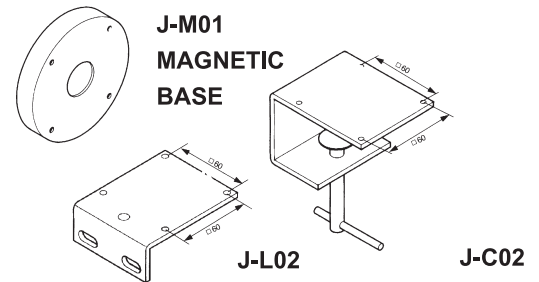
# Quartz Halogen Lamp

- Gooseneck arm for smooth lighting angle adjustment.
- Lighting reaches any direction.



|          | WEIGHT<br>(kg) | CODE NO. |
|----------|----------------|----------|
| VHL-20FT | 1.6            | 1025-020 |
| VHL-20F  | 1.3            | 1025-021 |
| J-M01    | 0.46           | 1025-006 |
| J-L02    | 0.4            | 1025-004 |
| J-C02    | 0.4            | 1025-005 |

## • OPTIONAL •



- MOUNTING CLAMP J-C02
- MOUNTING ANGLE PLATE J-L02

## VHL-20FT SERIES

- Engineering plastic shade and base provides complete insulation for maximum operator safety.
- Power source available: Any voltage on customer's request. Such as 110V, 220V, 240V, 380V, 415V.
- Transformer built in base.
- Accept 20,35 and 50 watt bulb. Included with 20 watt bulb, 35 and 50 watt bulb on request.
- Furnished with 1.8 meter (70") cord.
- Available with magnetic base.
- Engineering mounting angle plate. (optional)
- Double shades designed permits fast heat dissipation.

## VHL-20F SERIES

- The quartz halogen lamp has great light output, soft illuminating without irritating to the eyes.
- Low voltage 12 or 24 volt operation without danger of electric shock.
- The articulated arm provides vibration resistance performance.
- Articulated arm.
- Use top quality electric components.
- Accept 20,35,50 watt bulb. Included with 20 watt bulb, 35 and 50 watt bulb on request.
- Complete with 1.8 meters (70") cord.
- Economical model, jet quality constructed. Ideally suited to machine tools and machinery without big working area.
- Engineering plastic shade and base provides complete insulation.



# Cool Light Lamp

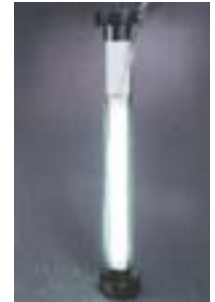
WATERPROOF TYPE



D SERIES



DB SERIES



• Outstanding Water-proof Performance

## Separate ballast series

| ORDER NO.   | LAMP LENG | WATT | DIA  | WEIGHT (kg) | CODE NO. |
|-------------|-----------|------|------|-------------|----------|
| VHL-W10D    | 518m/m    | 10   | 70mm | 3.2         | 1025-030 |
| VHL-W15D    | 632m/m    | 15   | 70mm | 3           | 1025-031 |
| VHL-W18D/PL | 425m/m    | 18   | 70mm | 2           | 1025-032 |
| VHL-W20D    | 765m/m    | 20   | 70mm | 3.6         | 1025-033 |
| VHL-W36D/PL | 621m/m    | 36   | 70mm | 2.9         | 1025-034 |
| VHL-W40D    | 1835m/m   | 40   | 70mm | 3.5         | 1025-035 |

## Built-in ballast series

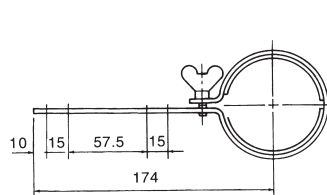
| ORDER NO.    | LAMP LENG | WATT | DIA  | WEIGHT (kg) | CODE NO. |
|--------------|-----------|------|------|-------------|----------|
| VHL-W10DB    | 611m/m    | 10   | 70mm | 3.2         | 1025-040 |
| VHL-W15DB    | 717m/m    | 15   | 70mm | 3           | 1025-041 |
| VHL-W18DB/PL | 525m/m    | 18   | 70mm | 2           | 1025-042 |
| VHL-W20DB    | 861m/m    | 20   | 70mm | 3.6         | 1025-043 |
| VHL-W36DB/PL | 715m/m    | 36   | 70mm | 2.9         | 1025-044 |
| VHL-W40DB    | 1529m/m   | 40   | 70mm | 3.5         | 1025-045 |

## FOUR MODELS TO CHOOSE FORM 10, 15, 20, AND 40 WATT. OUTSTANDING FEATURES

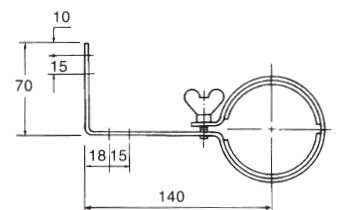
- Suited for machine lighting. indoor and outdoor lighting.
- Cool lighting performance.
- Anti-crack lamp.
- Swivelling mounting bracket (optional).
- Accommodates power source 110V or 220V. single voltage only.
- Specify HZ and voltage when ordering.
- The outer tube is manufactured from acrylic. When requested. the glass outer tube is available.
- Furnished with 1.8 meter (70") cord.

## OPTIONAL

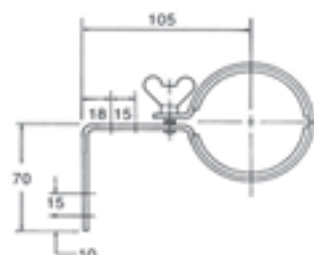
| ORDER NO. | WEIGHT(kg) | CODE NO. |
|-----------|------------|----------|
| JF-110    | 0.3        | 1025-050 |
| JF-111    | 0.3        | 1025-051 |
| JF-112    | 0.3        | 1025-052 |
| JF-115    | 0.1        | 1025-053 |



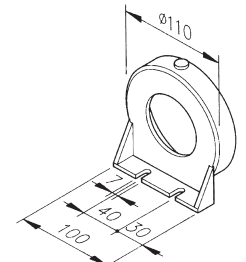
• JF-110  
MOUNTING FIXTURE



• JF-111  
MOUNTING FIXTURE



• JF-112  
MOUNTING FIXTURE



• JF-115  
MOUNTING STAND



# Magnifying Fluorescent Work Light



**VHL-30TEB**  
**BENCH TYPE**



**VHL-30TEBII**  
**BENCH TYPE**

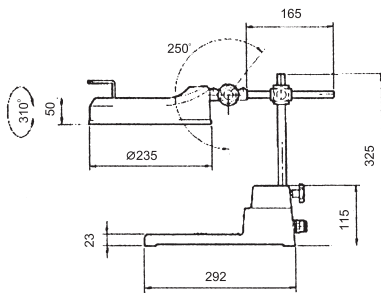


**VHL-30MEB**

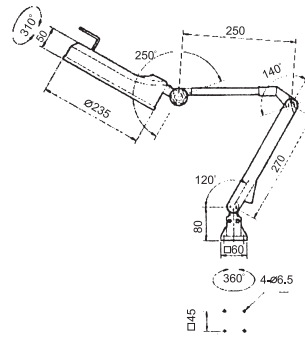


**VHL-30LEB**

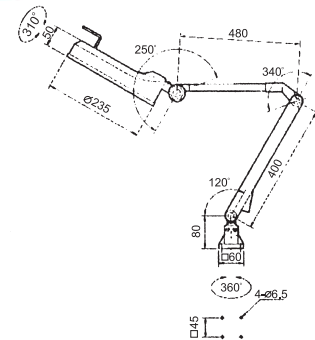
3X auxiliary lense(optional)



**VHL-30TEB VHL-30TEBII BENCH TYPE**

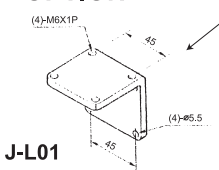


**VHL-30MEB MEDIUM ARM**



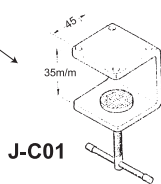
**VHL-30LEB LONG ARM**

● **OPTION**



**J-L01**  
● MOUNTING ANGLE  
PLATE

● **STANDARD**



**J-C01**  
● MOUNTING CLAMP

● **OPTIONAL**

ORDER NO. VHL-3X  
3X magnifier lense

| ORDER NO.          | WEIGHT (kg) | CODE NO. |
|--------------------|-------------|----------|
| <b>VHL-30TEB</b>   | 4           | 1025-060 |
| <b>VHL-30TEBII</b> | 4           | 1025-061 |
| <b>VHL-30MEB</b>   | 3.5         | 1025-062 |
| <b>VHL-30LEB</b>   | 3.5         | 1025-063 |
| <b>J-L01</b>       | 0.4         | 1025-014 |
| <b>VHL-3X</b>      | 0.4         | 1025-065 |

\* All work lights are with 3X magnifier lense, If you need 6 times, you have to choose VHL-3X extraly.

## VHL-30TEB

- Bench type model.
- Constructed with a wide base for placing object, allowing it especially suited for inspection lighting.
- Electronic ballast is built in arm.
- Accepts 22 watt fluorescent tube.
- 110V, or 220V operation. Supplied single voltage only. Specify desired voltage when ordering.
- Furnished with 1.8 meter cord with plug. Extended cord length is available when required.

## VHL-30TEBII

- Same as mode VHL-30TEB, but except with acrylic board on base for lighting through requirement.

## VHL-30 MEB

- Medium arm model.
- Electronic ballast is built in arm.
- Accepts 22 watt fluorescent tube.
- 110V, or 220V operation. Supplied single voltage only. Specify desired voltage when ordering.
- Furnished with 1.8 meter cord with plug. Extended cord length is available when required.

## VHL-30 LEB

- Long arm model.
- Electronic ballast is built in arm.
- Accepts 22 watt fluorescent tube.
- 110V, or 220V operation. Supplied single voltage only. Specify desired voltage when ordering.
- Furnished with 1.8 meter cord with plug. Extended cord length is available when required.

Designed with a magnifier lense on luminaire head giving 3 times of magnification 3x than acrual object.

The fluorescent lighting provides day light effect without flash.



# Water-Proof Halogen Lighting Lamp

## 400 SERIES



**VHL-400L**

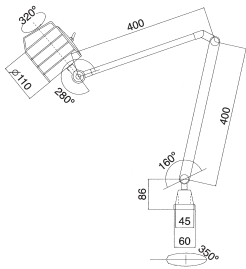
## 500 SERIES



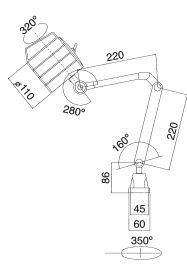
**VHL-500S**



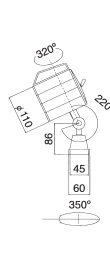
**VHL-500L**



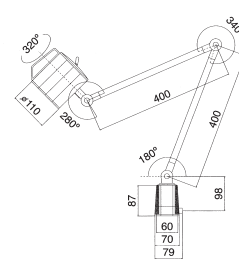
**VHL-400L**



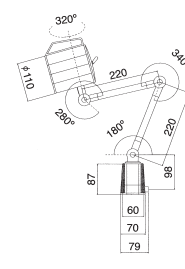
**VHL-400M**



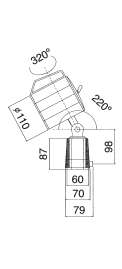
**VHL-400S**



**VHL-500L**



**VHL-500M**

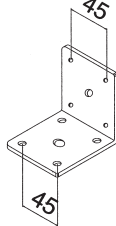


**VHL-500S**

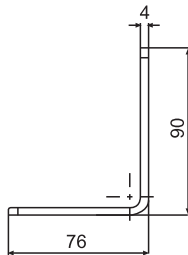
## OPTIONAL



**V-20**



**V-21**



**V-26**

## WATER-PROOF HALOGEN LIGHTING LAMP (VHL-400L SERIES)

LIGHTING HEADS OF THESE SERIES WITH SPECIFIC FEATURES OF WATER-PROOF, DUST-FREE, ANTI-LUBRICAT, ANIT-CUTTING OIL, ETC. THE LIGHTING UNITS ADPOTED WITH A BULB (24V/55W). CUSTOMERS' SPECIFICATIONS ALSO ACCEPTED.

| ORDER NO.   | CODE NO. |
|-------------|----------|
| <b>V-20</b> | 1025-106 |
| <b>V-21</b> | 1025-107 |
| <b>V-26</b> | 1025-108 |

| ORDER NO.       | VOLTS             | BULB              | ARM LENGTH<br>L x l | OPTIONAL<br>ACCESSORIES | WEIGHT<br>(N.W.) | CODE NO. |
|-----------------|-------------------|-------------------|---------------------|-------------------------|------------------|----------|
| <b>VHL-400L</b> | 12V 55W - 24V 70W | 12V 55W - 24V 70W | 400X400             | V-20 / V-21             | 2.45             | 1025-100 |
| <b>VHL-400M</b> | 12V 55W - 24V 70W | 12V 55W - 24V 70W | 220X220             | V-20 / V-21             | 2.17             | 1025-101 |
| <b>VHL-400S</b> | 12V 55W - 24V 70W | 12V 55W - 24V 70W |                     | V-20 / V-21             | 1.33             | 1025-102 |
| <b>VHL-500L</b> | 12V 55W - 24V 70W | 12V 55W - 24V 70W | 400X400             | V-20 / V-21             | 2.85             | 1025-103 |
| <b>VHL-500M</b> | 12V 55W - 24V 70W | 12V 55W - 24V 70W | 220X220             | V-20 / V-21             | 2.33             | 1025-104 |
| <b>VHL-500S</b> | 12V 55W - 24V 70W | 12V 55W - 24V 70W |                     | V-20 / V-21             | 1.44             | 1025-105 |

## VHL-400L

- Water-proof lighting head with reinforced glass resists big temperature fluctuations of cutting oil.
- 12V/24V Voltage.
- Flexible Arm (round arm), 420x420mm
- With universal Lighting Base.
- Specifications of Bulb: 24V/70W.
- Different conditions demand different lighting bases. Selected rectangular L-type (#V-20) base or C-type (#V-21) base.

## VHL-400M

- Performance & features: same as , but with shorter flexible arm at 220x185mm.

## VHL-400S

- Specially designed to fit particular locations and spaces, The flexible arm is very short.

## VHL-500L

- Performance & features of these series: same as . The main difference is that VHL-500L can be installed with a shorter arm, and connected with AC current below 240V.
- Please indicate the required voltage when placing the orders to us.
- Specifications of the bulb: 12V/50W

## VHL-500M

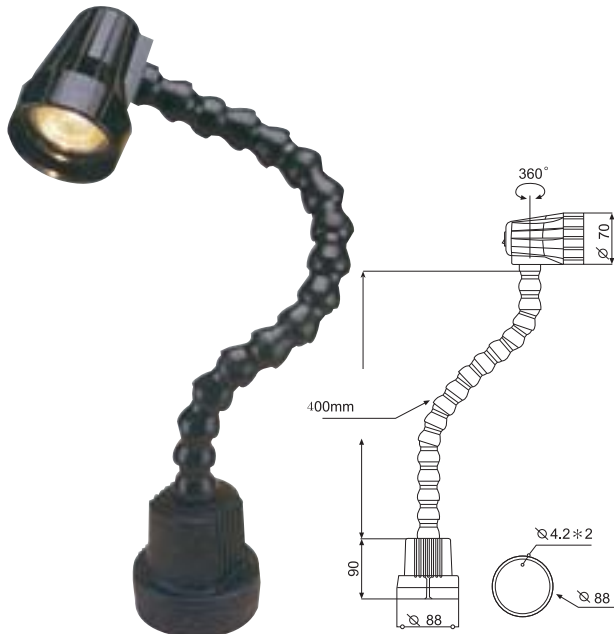
- Same specifications as VHL-500L, but with shorter flexible arm at 220x220mm.

## VHL-500S

- Specially designed to fit particular locations and spaces. The flexible arm is very short.



# Quartz Halogen Lamp WITH TRANSFORMER



**VHL-600FT**



**VHL-700FT**

## FEATURES

- VHL-600FT, VHL-700FT type ideal for work-place lighting if bright concentrated light is required in performance not too large area illumination. It is with transformer.
- Suitable for use at small machine such as CNC engraving machine, sewing machine, lathe machine, working benches and working table.....etc.
- VHL-700FT with flexible arm.

| ORDER NO.        | VOLTS       | BULB    | ARM LENGTH<br>L x $\ell$ | OPTIONAL<br>ACCESSORIES | WEIGHT<br>(N.W.) | CODE NO. |
|------------------|-------------|---------|--------------------------|-------------------------|------------------|----------|
| <b>VHL-600FT</b> | 110V - 220V | 12V 20W | 400                      | M-23                    | 1.9              | 1025-109 |
| <b>VHL-700FT</b> | 110V - 220V | 12V 20W | 400                      | M-23                    | 1.8              | 1025-110 |

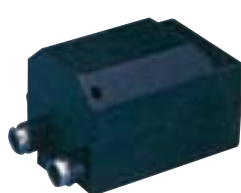
|              |                                                                         |                   |  |  |       |          |
|--------------|-------------------------------------------------------------------------|-------------------|--|--|-------|----------|
| <b>V-B15</b> |                                                                         | 12V 50W / 24V 50W |  |  | 0.009 | 1025-111 |
| <b>V-B16</b> |                                                                         | 12V 55W / 24V 70W |  |  | 0.009 | 1025-112 |
| <b>V-T17</b> | 415V - 12 / 415V - 24<br>380V - 12 / 380V - 24<br>230V - 12 / 230V - 24 |                   |  |  | 1.47  | 1025-113 |
| <b>V-T18</b> | 415V - 12 / 415V - 24<br>380V - 12 / 380V - 24<br>230V - 12 / 230V - 24 |                   |  |  | 1.4   | 1025-114 |
| <b>M23</b>   |                                                                         |                   |  |  |       | 1025-115 |

**V-T17**



TRADITIONAL  
TRANSFORMER V-T17  
SUITABLE FOR  
VHL-400 SERTES  
VHL-500 SERTES

**V-T18**



EXTERIOR KUST DUST-  
FREE TRANSFORMER  
V-T18 Voltage below  
415V. Cane be installed  
anywhere.  
Dust-Free, leakage-proof  
and oil-proof.

**V-B15**



V-B15  
12V/70W,  
24V/50W, 12V/50W  
Those bulb for VHL-400,  
VHL-500 series

**V-B16**



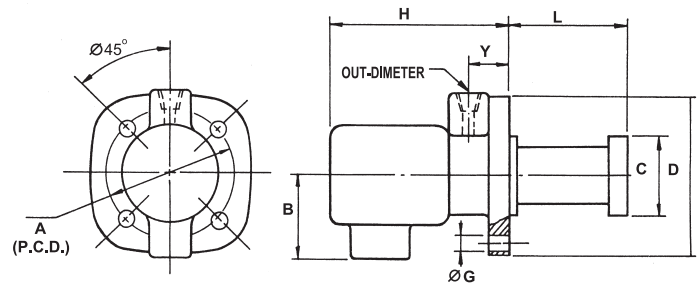
V-B16  
24V/70W, 12V/55W  
Those bulb for VHL-400,  
VHL-500 series



# 1/8 HP. Under Water Coolant Pump

## FEATURES

This is the pump in best quality with anti-rust treatment, use high grade material for the complete set and has been duly instected in five steps by precision electron device.



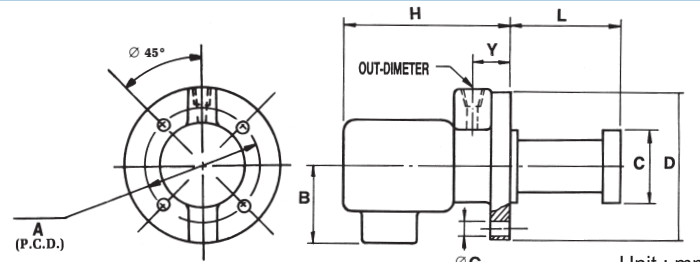
Unit:mm

| POWER | A       | B   | C   | D    | G  | H   | Y  | OUT-DIMETER |
|-------|---------|-----|-----|------|----|-----|----|-------------|
| 1/8HP | 128±0.2 | 105 | Ø92 | Ø155 | Ø8 | 160 | 19 | PT 3/8      |

| ORDER NO. | TYPE        | POWER | Lm/m | PUMPING WATER |         | WEIGHT (kg) | CODE NO. |
|-----------|-------------|-------|------|---------------|---------|-------------|----------|
|           |             |       |      | 1 m/min       | 2 m/min |             |          |
| VWP-0810  | UNDER WATER | 1/8HP | 100  | 27ℓ-28ℓ       | 25ℓ-26ℓ | 5           | 1026-001 |
| VWP-0813  |             |       | 130  |               |         | 5.4         | 1026-002 |
| VWP-0815  |             |       | 150  |               |         | 5.7         | 1026-003 |
| VWP-0818  |             |       | 180  |               |         | 5.7         | 1026-004 |



# 1/4 HP. Under Water Coolant Pump



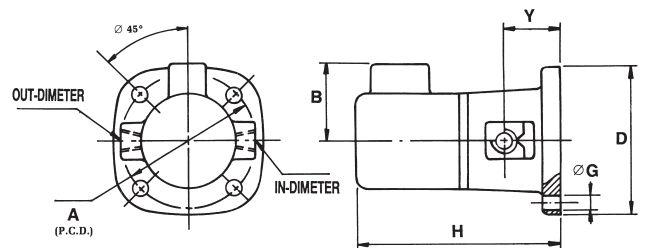
Unit : mm

| POWER | A       | B   | C    | D    | G  | H   | Y  | OUT-DIMETER |
|-------|---------|-----|------|------|----|-----|----|-------------|
| 1/4HP | 158±0.2 | 125 | Ø122 | Ø180 | Ø8 | 180 | 26 | PT 1/2      |

| ORDER NO. | TYPE        | POWER | Lm/m | PUMPING WATER |         | WEIGHT (kg) | CODE NO. |
|-----------|-------------|-------|------|---------------|---------|-------------|----------|
|           |             |       |      | 1 m/min       | 2 m/min |             |          |
| VWP-0415  | UNDER WATER | 1/4HP | 160  | 74ℓ-76ℓ       | 71ℓ-72ℓ | 11          | 1026-010 |
| VWP-0418  |             |       | 180  |               |         | 11          | 1026-011 |
| VWP-0420  |             |       | 200  |               |         | 11          | 1026-012 |
| VWP-0424  |             |       | 240  |               |         | 12.5        | 1026-013 |
| VWP-0427  |             |       | 270  |               |         | 13          | 1026-014 |



# Self Priming Coolant Pump 1/8 HP. 1/4 HP



Unit:mm

| POWER  | A       | B   | D   | G  | H   | Y      | IN-DIMETER | OUT-DIMETER |
|--------|---------|-----|-----|----|-----|--------|------------|-------------|
| 1/8 HP | 140±0.2 | 105 | 165 | Ø8 | 195 | 50±0.5 | PT 3/8     | PT 3/8      |
| 1/4 HP | 185±0.2 | 125 | 225 | Ø8 | 240 | 65±0.5 | PT 1/2     | PT 1/2      |

| ORDER NO. | TYPE         | POWER | PUMPING WATER |         | WEIGHT (kg) | CODE NO. |
|-----------|--------------|-------|---------------|---------|-------------|----------|
|           |              |       | 1 m/min       | 2 m/min |             |          |
| VWP-089   | SELF PRIMING | 1/8HP | 26ℓ-27ℓ       | 24ℓ-25ℓ | 6           | 1026-020 |
| VWP-049   |              | 1/4HP | 73ℓ-75ℓ       | 70ℓ-71ℓ | 11          | 1026-021 |



# Coolant Pump Kits

1/8 HP & 1/4 HP



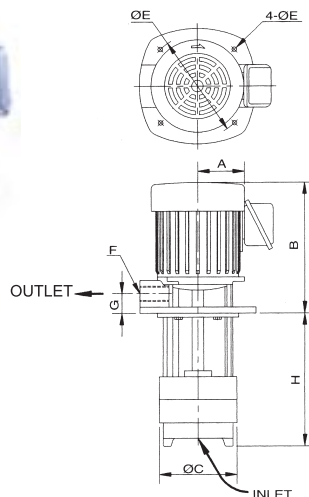
## SET INCLUDING

- 1.Coolant pump
- 2.Coolant tank
- 3.Connecting cable (w/plug for 1ph)
- 4.Coolant hose dit w/magnetic base
- 5.Flexible conveying hose
- 6.Drain hose
- 7.Tool kits
- 8.ON/OFF switch (for 1ph)

| ITEM                                    | ORDER NO. | VWP- 81-150K   | VWP- 41-180K   |
|-----------------------------------------|-----------|----------------|----------------|
| Coolant pump (HPxH)                     |           | 1/8 HP X 150mm | 1/4 HP x 180mm |
| Tank size (LxWxH)                       |           | 350x250x185mm  | 500x350x200mm  |
| volume of coolant tank                  |           | 16ℓ            | 35ℓ            |
| Connecting cable                        |           | 2000mm         | 2000mm         |
| Coolant hose kits w/magnetic base (ØxL) |           | 1/4"x330mm     | 3/8"x360mm     |
| flexible conveying hose ( xL) Ø         |           | 3/8"x1500mm    | 3/8"x1500mm    |
| Drain hose (ØxL)                        |           | 1"x300mm       | 1-1/4"x400mm   |
| Weight                                  |           | 10kgs          | 29kgs          |
| CODE NO.                                |           | 1026-030       | 1026-031       |



# Under Water Type Multi-stage High Pressure Coolant Pump



## SPECIAL FEATURES

- Discharge available in either N.P.T / P.T.
- Heavy duty bearings greased for long life and easy maintenance.
- Multi-stages., up to 6 stages for pressure over 9kg/cm<sup>2</sup> staggered discharge ports equalize radial loads for increasing pump life.
- Stainless steel made enclosed impeller., increasing pump efficiency and flow volumn.
- Rigid and strong one-piece shaft.

## SPECIFICATION

| ORDER NO.   | STAGE | HP                            | A   | B   | C   | D | E   | F                     | G  | H   | PRESSURE<br>kg/cm <sup>2</sup> (PSI) | VOLUMETRIC DELIVERY<br>( ℓ / min) |             | DELIVERY<br>HEAD(m) | WEIGHT<br>(kg) | CODE<br>NO. |
|-------------|-------|-------------------------------|-----|-----|-----|---|-----|-----------------------|----|-----|--------------------------------------|-----------------------------------|-------------|---------------------|----------------|-------------|
|             |       |                               |     |     |     |   |     |                       |    |     |                                      | EMULSION                          | COOLING OIL |                     |                |             |
| VWP-MS2-180 | 2     | 3/4                           | 135 | 255 | 135 | 9 | 170 | 3/4" or<br>1"(option) | 28 | 180 | 3 (42)                               | 140                               | 116         | 30                  | 15             | 1026-040    |
| VWP-MS2-250 |       |                               |     |     |     |   |     |                       |    | 250 |                                      |                                   |             |                     | 15.5           | 1026-041    |
| VWP-MS3-200 | 3     | 1                             | 135 | 275 | 135 | 9 | 170 | 3/4" or<br>1"(option) | 28 | 200 | 4.5 (64)                             | 140                               | 116         | 45                  | 16             | 1026-042    |
| VWP-MS3-270 |       |                               |     |     |     |   |     |                       |    | 270 |                                      |                                   |             |                     | 17             | 1026-043    |
| VWP-MS4-230 | 4     | 1 <sup>1</sup> / <sub>4</sub> | 135 | 275 | 135 | 9 | 170 | 3/4" or<br>1"(option) | 28 | 230 | 6 (85)                               | 140                               | 116         | 60                  | 18             | 1026-044    |
| VWP-MS4-260 |       |                               |     |     |     |   |     |                       |    | 260 |                                      |                                   |             |                     | 19             | 1026-045    |
| VWP-MS5-210 | 5     | 1 <sup>1</sup> / <sub>2</sub> | 135 | 275 | 135 | 9 | 170 | 3/4" or<br>1"(option) | 28 | 210 | 7.5 (106)                            | 140                               | 116         | 75                  | 20             | 1026-046    |
| VWP-MS5-250 |       |                               |     |     |     |   |     |                       |    | 250 |                                      |                                   |             |                     | 21             | 1026-047    |



# Hand Lubrication Pumps



LT - 4

- Rattling hand pump LT model Rattle the lever of the pump reiteratively and the oil will be pressured into the main pipe. When the lever is released, it will return to the original position automatically.

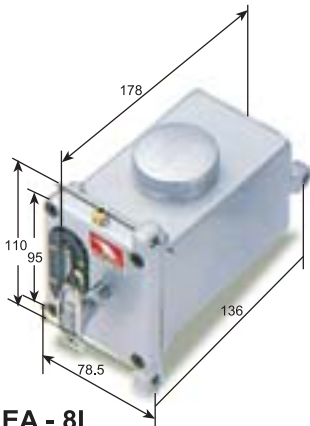
| ORDER NO. | Discharged amount (c.c/st) | Max. discharged pressure (kg/cm <sup>2</sup> ) | capacity (c.c) | Efficient capacity (c.c) | WEIGHT (kg) | CODE NO. |
|-----------|----------------------------|------------------------------------------------|----------------|--------------------------|-------------|----------|
| LT- 4     | 4                          | 15                                             | 230            | 200                      | 0.8         | 1026-050 |



LT - 6

- Rattling hand pump LT model The discharged amount and pressure are higher than those of LT-4 and the operation method is just the same.

| ORDER NO. | LT-6  | LT-8   | LT-8A   |
|-----------|-------|--------|---------|
| Size      | 85x85 | 98x107 | 100x110 |
| Weight    | 1.2kg |        |         |



EA - 8L

- Pulling type hand pump EA model Pull the lever of the pump reiteratively and the oil will be discharged at the up or down port.

| ORDER NO. | Discharged amount (c.c/st) | Max. discharged pressure (kg/cm <sup>2</sup> ) | capacity (c.c) | Efficient capacity (c.c) | WEIGHT (kg) | CODE NO. |
|-----------|----------------------------|------------------------------------------------|----------------|--------------------------|-------------|----------|
| EA-8 R    | 8                          | 3.5                                            | 600            | 500                      | 1           | 1026-070 |
| EA-8 L    |                            |                                                |                |                          |             | 1026-071 |

The installation machine could be selected either the right side marked "R" or the left side marked "L"



SMA MODEL (AUTOMATIC)

- Electrical automatic pump SMA model The out standing performances of SMA models belong to intermittent oil supply pumps whose specification are classed into four kinds by the intermittent time and the discharged amount is adjustable within the range of 1~3c.c.

| ORDER NO.                           | Intermittent time (min) | Discharged amount (c.c/st) | Max. discharged pressure (kg/cm <sup>2</sup> ) | Capacity (ℓ) | WEIGHT (kg) | CODE NO. |
|-------------------------------------|-------------------------|----------------------------|------------------------------------------------|--------------|-------------|----------|
| SMA-3                               | 5, 10, 15<br>30, 60     | 1~3                        | 3                                              | 2            | 1.8         | 1026-090 |
| SMA-6                               |                         | 3~                         | 3                                              | 2            |             | 1026-091 |
| SMA-8.5                             |                         | 4~8.5                      | 3                                              | 2            |             | 1026-092 |
| Motor's voltage is AC 110V or 220V. |                         |                            |                                                |              |             |          |

| ORDER NO. | Discharged amount (c.c/st) | Max. discharged pressure (kg/cm <sup>2</sup> ) | capacity (c.c) | Efficient capacity (c.c) | CODE NO. |
|-----------|----------------------------|------------------------------------------------|----------------|--------------------------|----------|
| LT- 6     | 6                          | 15                                             | 350            | 250                      | 1026-061 |
| LT- 8     | 8                          | 15                                             | 600            | 400                      | 1026-062 |
| LT- 8A    | 8                          | 15                                             | 650            | 450                      | 1026-063 |



LA - 8L

- Depressing type hand pump model LA Depress the lever repeatedly and the oil will be pressured when it is depressed. Only after is released the lever, the pressured oil will be discharged.

| ORDER NO. | Discharged amount (c.c/st) | Max. discharged pressure (kg/cm <sup>2</sup> ) | capacity (c.c) | Efficient capacity (c.c) | WEIGHT (kg) | CODE NO. |
|-----------|----------------------------|------------------------------------------------|----------------|--------------------------|-------------|----------|
| LA-8R     | 1~8                        | 5                                              | 1000           | 800                      | 1.3         | 1026-082 |
| LA-8L     |                            |                                                |                |                          |             | 1026-083 |

The installation position of a machine could be selected either the right side marked "R" or the left side marked "L"



# Coolant Pump Kits

## COOLANT SYSTEM



### SET INCLUDING

- 1.Coolant pump
- 2.Coolant tank
- 3.Connecting cable
- 4.Coolant hose
- 5.Flexible conveying hose
- 6.Drain hose
- 7.Tool kits
- 8.ON/OFF switch (for 1ph)



| ORDER NO.  | COOLANT PUMP    | TANK VOLUME | LIET / METER | DIMENSION LXWXH   | WEIGHT                             | CODE NO. |
|------------|-----------------|-------------|--------------|-------------------|------------------------------------|----------|
| VWP-81-100 | 1/8 HP, 1 PHASE | 9L          | 2.5M         | 390mmX260mmX320mm | GROSS wt. 8.5kgs<br>NET wt. 7.5kgs | 1026-032 |

## FEATURES

- It can be applied to drilling machine drilling & milling machine, small size lathe, or any other machines that need cooling and washing.

Компания "**ИНТЕРТУЛМАШ**" - поставщик оборудования

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