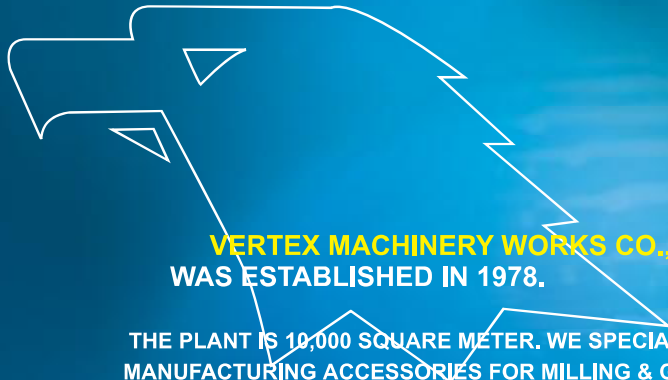


VERTEX



VERTEX MACHINERY WORKS CO.,LTD.
WAS ESTABLISHED IN 1978.

THE PLANT IS 10,000 SQUARE METER. WE SPECIALIZE IN
MANUFACTURING ACCESSORIES FOR MILLING & GRINDING & LATHE
MACHINE & MACHINE CENTER.

REGARDING MARKET SALES, **80%** IS FOREIGN AND **20%** IS DOMESTIC
CUSTOMERS IN **90** COUNTRIES.

ACCORDING TO TAITRA TAIWAN'S TRADE PROMOTION ORGANIZATION, VERTEX
IS THE LARGEST MACHINE TOOL ACCESSORIES EXPORTER IN TAIWAN
VERTEX'S SPIRIT IS ACCURATE & QUICK & RESPONSIBILITY & SERVICEABLE.

OUR TEAM ARE ALWAYS FOCUS ON REAEARCHING AND DEVELOPING NEW
PRODUCTS & INNOVATING DESIGNS TO MEET THE MARKET TRENDS . WE
ALSO PAY ATTENTION TO SUFFICIENT STOCK TO MAKE SHORTLY DELIVERY
AND SUPPLY HIGH QUALITY PRODUCTS.

IT GIVE CUSTOMERS MORE CONFIDENCE AND SATISFACTION.

**WE ARE NOT ONLY MANUFACTURE BUT ALSO RELIABLE BUSINESS
PARTNER.**

R E S P O N S I B I L I T Y

S P E E D



A C C U R A C Y

C O O P E R A T I V E

ACCORDING TO TAITRA,
TAIWAN'S TRADE PROMOTION ORGANIZATION, WE ARE THE LARGEST OF TAIWAN MADE MACHINE
TOOL ACCESSORIES.

- ◆ THE PRODUCTS SUPPLIED BY "VERTEX" ARE ALL PASSED STRICT INSPECTION . TOLERANCE IS WITHIN ± 0.01 PER 100mm.
- ◆ **95% OF GENERAL PRODUCTS ARE AVAILABLE IN THE STOCK** . THE SIZES THAT MARKET YELLOW ARE SPECIAL SIZES OR RARE IN THE MARKET. THE DELIVER TIME IS SUBJECT TO OUR COFIR MATION.
- ◆ THE PICTURE OF THE CATALOGUE IS JUST ONE FOR YOUR REFERENCE . ACCORDING TO THE DIFFERENT SIZES, THE APPERANCES ARE DIFFERENT .
- ◆ SPECIFICATION AND CONTENT ARE SUBJECTED TO CHANGE WITHOUT NOTICE.
- ◆ THE OFFER IS SUBJECT TO MARKET FLUCTUATION AND THE COST OF THE MATERIALS. THE PRICE MAY BE ADJUSTED HIGHER OR LOWER.
- ◆ IF THE QUANTITY IS LARGE, WE WILL OFFER SPECIAL DISCOUNT.
- ◆ IF THE GOODS ARE DEFECTIVE AND YOU WOULD LIKE TO SEND THE GOODES BACK, PLEASE PACK THE GOODS AS SAME AS ORIGINAL.
- ◆ THE PHOTO IS FOR YOUR REFERENCE ONLY; VERTEX RESERVED THE RIGHT TO CHANGE THE SHAPE, COLORS AND QUANTITY. ALL SPECIFICATIONS AND DESIGNS IN THE CATALOGUES ARE SUBJECT TO CHANGE WITHOUT NOTICE.



ISO 9001 CERTIFIED

R E S P O N S I B I L I T Y S P E E D

VERTEX

THE LARGEST MAKER OF TAIWAN MADE MACHINE TOOL ACCESSORIES

- MILLING MACHINE ACCESSORIES
- GRINDING MACHINE ACCESSORIES
- TOOLING SYSTEM
- MACHINING CENTER ACCESSORIES
- LATHE MACHINE ACCESSORIES
- CUTTING TOOL
- SMALL TYPE MACHINE



A C C U R A C Y

C O O P E R A T I V E


VERTEX, THE BEST YOU CAN TRUST!



R E S P O N S I B I L I T Y


S P E E D



A01 Horizontal/Vertical Rotary Table

 HV-4~12

A02 Rotary Table Special Accessories

 DP-1~5


A03 Tilting Rotary Tables

 VUT-6~12


A04 Semi-Universal Dividing Head

 BS-0, 1

A05 Universal Dividing Head

 BS-2

A06 Super Indexing Spacer

 CS-6, 8


A07 Simple Indexing Spacer

 CC-12


A08 Precision Index Table

 VIT-

A09 Economical Type Rapid Index


 VSI-4~5

A09 Simple Rotary Chuck

 NEW
 VSR-6, 8

A10 Universal Tilting Rotary Table

 VU-100~200

A10 Universal Tilting Rotary Table

 VU-300


A11 Hydraulic Machine Vise

 VH-4~8

A12 Tilting Hydraulic Machine Vise

 VHT-4, 6

A12 Universal Tilting Hydraulic Machine Vise

 NEW
 VHT-4U,6U

A14 K-Type Milling Vise

 VK-4~8

A13 Ang-Fixed Vise

 VA-6F

A15 Super Open Vise

 VJ-600

A15 2-Way Angle Milling Vise

 VWT-4,6

A16 3-Way Angle Milling Vise

 VW-3~5

A16 2-Way Machine Vise

 VWT-5, 6

A16 Quick Bench Vise


 NEW
 VQS-40


A17 U/N Work Stopper


 VWS-

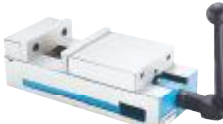
A17 Universal Vise Jaws With Work Stopper

 VWSJ-

A18 Modular Precision Machine Vises

 VMP-


A19 Modular Precision Hydraulic Machine Vises

 NEW
 VMP-


A20 Modular Machine Free Vise

 VMP-

A21 Lock-Fixed II Precision Machine Vise

 VMC-4,6

A21 Compound Precision Vise


 NEW
 VCV-44

A22 Hydraulic Machine Vise

 VHO-

A22 Double Clamp Vise

 VMC-6D

A23 MC Power Vise

 NEW
 VQX-

A27 MC Power Vise Hydraulic Type

 NEW
 VQX-

A29 Upright MC Power Vise

 NEW
 VQX-

A30 Combination MC Power Free Vise


 NEW
 VQX-

A31 NC Hydro Machine Vises

 NEW
 VNC-

A33 Precision pneumatic Ang-Fixe Power Vise

 VMC-

A34 Quick Setting Vise

 VQS-3~5

A34 Machine Vise for Shaping & Milling Use

 VSM-

A35 V-Type Milling Vise

 VBV-4~6



A35 Free Vise
FV-
SV-

A35 T Slot Clamps
NEW
CK-

A36 52-Pc Steel Clamping Kit
CK-

A36 Individually Parts T-Slot Nut

A37 Coupling Nut

A37 Flange Nut

A38 Clamping Studs

A39 Step Clamp

A39 Step Block

A40 Ground Parallels
VP-100

A40 Ground Parallels
VP-118A

A40 Ground Parallels
VP-128A

A41 Precision Parallels
VP-136

A41 VP-018 Thin Type Parallels Set
VP-018

A41 VP-163 Precision Parallels
VP-163

A41 VP-064 Precision Parallels
VP-064

A42 VP-050 Precision Parallels
VP-050

A42 VP-033 Precision Parallels
VP-033

A42 VP-112 Ground Parallels
NEW
VP-146

A42 VP-114 Ground Parallels
NEW
VP-168

A43 VP-200 Ground Parallels
NEW
VP-200

A43 Adjustable Angle Plate
VP-180-600

A43 Angle Plate With Swivel Base
VP-250S,380S

A44 Precision Cross Table
VCT-

A44 Precision Cross Table
VCT-830

A44 Cross Table
VCT-512

A45 Right Angle Head
VRA-

A45 Horizontal Milling Attachment
VHA-

A46 Power Table Feed X,Y,Z Axis
VPF-

A47 Air Power Drawbar
PD-

A48 Precision Slotting Head
VSH-

A49 Precision Right Angle Plate
VRH-4-8

A49 Right Angle Plate
VR-6-12

A49 Slotted Angle Plates
VR-45-120

A49 Plain Angle Plates
VR-22-1212

A50 Screw Jack
VSJ-

A50 Screw Jack With Magnets
VSJM-

A50 Screw Jack Sets
NEW
VSJ-A-B

A51 U-Clamp
VCA-

A51 Pivot Clamp
VCB-



A51 Hand Drift
VHD-

A52 Eye Shield
VH-56

A52 Milling Table Slot Cover
VST-10-36

A52 Vee Blocks
V-2V-8V

A52 Auto Center Punch
VACP-1

A53 Draw Bar
VDR-

A53 Expandable Machine Guard Cover
VGC-

A53 5C,C32,OZ25 Collet Rack
VMS-5

A53 Parts Storage
VHB-

A54 Universal Cutter Grinder
U2

A55 Chamfering & Deburring Unit
VCF-500

A55 Chamfering & Deburring Unit
VCF-500W

A55 Chamfering & Deburring Unit
VCF-500F

A56 Chamfering & Deburring Unit
VCF-500S

A56 Chamfering & Deburring Unit
VCF-600

A56 Chamfering & Deburring Unit
VCF-700

A57 Chamfering & Deburring Unit
VCF-300A

A57 Ejector Pin Cutting-off Unit
VEC-100

A58 Rods Precision Cutting-Off And End Surface Grinding Unit
VEC-

A59 Dustproof Halogen Lamp Beams
VHL-

A60 Dustproof Halogen Lamp Beams
VHL-

A61 Quartz Halogen Lamp Beams
VHL-

A62 Cool Light Beams
VHL-

A63 Magnifying Fluorescent Work Light Beams
VHL-

A64 Water-Proof Halogen Lighting Beams
VHL-

A65 Dustproof Halogen Lamp Beams
VHL-

A66 1/8 HP. Under Water Coolant Pump
VWP-

A66 1/4 HP. Under Water Coolant Pump
VWP-

A66 Self Priming Coolant Pump 1/8 HP, 1/4 HP
VWP-

A67 Coolant Pump Kits
VWP-

A67 Under Water Type Multi-stage High Pressure Coolant Pump
VWP-

A68 Hand Lubrication Pumps
LT-4

A68 Hand Lubrication Pumps
LT-6

A68 Hand Lubrication Pumps
EA-8R

A69 Hand Lubrication Pumps
LA-8

A69 Hand Lubrication Pumps
SMA-

A69 Hand Lubrication Pumps
VL-



<p>B01 Punch Former</p>  <p>V-PB</p>	<p>B01 Punch Former</p>  <p>V-PS</p>	<p>B02 3-Jaws Punch Former</p>  <p>V-PS-80J</p>	<p>B02 ER Collet Dividing Punch Former</p>  <p>V-PS-ER</p>	<p>B02 Sine Plate For all Type Punch Former</p>  <p>V-PS-SP</p>
<p>B02 ER Collet Dividing Punch Former</p>  <p>V-PS-ER32S</p>	<p>B02 ER Collet Dividing Punch Former</p>  <p>V-PS-ER50S</p>	<p>B02 3-Jaws Punch Former With Sine Plate</p>  <p>V-PS-80JS</p>	<p>B03 Punch Grinder</p>  <p>V-PGS</p>	<p>B03 Punch Grinder</p>  <p>V-PG</p>
<p>B03 Punch Grinder</p>  <p>V-PGM</p>	<p>B03 Punch Grinder</p>  <p>V-PGA</p>	<p>B04 Mine Tool Maker Vise</p>  <p>VMV-10</p>	<p>B04 Tool Maker Vise</p>  <p>VMV-15-60</p>	<p>B04 Tool Maker Vise</p>  <p>VDV-20-40</p>
<p>B05 Sine Vise</p>  <p>SVB-20-30</p>	<p>B05 Sine Vise</p>  <p>SVD-200-300</p>	<p>B05 Precision Universal Angle Vise</p>  <p>VUA-3,4</p>	<p>B06 Precision Universal Angle Vise</p>  <p>VUA-408,510</p>	<p>B06 Tool Makers Vise</p>  <p>VC-20-30</p>
<p>B06 Tool Makers Vise</p>  <p>V-VE20-VE30</p>	<p>B07 Precision Sine Vise</p>  <p>SVC-100</p>	<p>B07 Precision Sine Vise</p>  <p>SVL-50</p>	<p>B07 Two Way Vise</p>  <p>SVS-100</p>	<p>B07 Modular Precision Machine Vise</p>  <p>VMP-</p>
<p>B08 Sine Bar With Magnetic</p>  <p>V-S50M,S100M</p>	<p>B08 Sine Bar</p>  <p>VS-100</p>	<p>B08 Sine Bar-Inch</p>  <p>V-S25,S50</p>	<p>B09 Angle Plate</p>  <p>VAP-1-3</p>	<p>B09 Micro-Adjustable Angle Plate</p>  <p>VAPM-1-3</p>
<p>B09 Precision V Block</p>  <p>V-3VA-5VA</p>	<p>B10 Precision Angle Blocks</p>  <p>AB-130</p>	<p>B10 Universal Angle Block Set</p>  <p>AB-163,164</p>	<p>B10 Micrometric Tangent Bar & Angle Gauge Block Set</p>  <p>AB-166</p>	<p>B10 Solid Angle Plates</p>  <p>AB-167</p>
<p>B11 Precision Angle Blocks</p>  <p>AB-113</p>	<p>B11 Hardened Steel Squares</p>  <p>SS-304-312</p>	<p>B11 Precision Steel Angle Plates</p>  <p>VRS-</p>	<p>B12 Squares</p>  <p>FS-204-208</p>	<p>B12 V-Block With Clamps</p>  <p>VBC-</p>



<p>B12 V-Block With Clamps</p> <p>VBC-003</p>	<p>B12 V-Block With Clamps</p> <p>VBC-006</p>	<p>B12 V-Block With Clamps</p> <p>VBC-243</p>	<p>B12 V-Block With Clamps</p> <p>VBC-009</p>	<p>B13 Electrode Vise</p> <p>VEH-20</p>
<p>B13 Electrode Holder</p> <p>VRA-20-100</p>	<p>B13 Electrode Holders</p> <p>VEH-20MS</p>	<p>B13 Electrode Holders</p> <p>VEH-20DS</p>	<p>B14 Tool Maker Vise (STAINLESS)</p> <p>VSTV-10V</p>	<p>B14 Tool Maker Vise (STAINLESS)</p> <p>VBST-30</p>
<p>B14 Tool Maker Vise (STAINLESS)</p> <p>VSTV-25</p>	<p>B15 EDM Tool Marker Vise (STAINLESS)</p> <p>VSTV-50W</p>	<p>B15 EDM Tool Marker Vise (STAINLESS)</p> <p>VSTV-100W</p>	<p>B15 EDM Tool Marker Vise (STAINLESS)</p> <p>VSTV-150W</p>	<p>B16 EDM Wire (BRASS & COPPER)</p> <p>VEW-</p>
<p>B17 Wire Dies Guide</p>	<p>B18 Electrode (Copper & Brass Pipe Electrode)</p> <p>VEB-</p>	<p>B18 EDM Filter For EDM (Oil)</p> <p>NH-</p>	<p>B19 Tangimatic Dresser</p> <p>V-TDA</p>	<p>B19 Tangimatic Dresser Handy Type</p> <p>V-TDH</p>
<p>B19 Radius And Angle Dresser</p> <p>V-TDB</p>	<p>B20 Universal Wheel Dresser</p> <p>V-TDC</p>	<p>B21 Precision duplex Dresser</p> <p>V-TDF</p>	<p>B21 Radius And Angle Dresser</p> <p>V-TDG</p>	<p>B21 Radius And Angle Dresser</p> <p>V-TDE</p>
<p>B22 Optical Radius Angle Dresser</p> <p>V-TDT</p>	<p>B22 Matco Sine Dresser</p> <p>VP-50</p>	<p>B22 Matco Sine Dresser</p> <p>V-50D</p>	<p>B23 Diamond Wheel Dresser</p> <p>V-TDD</p>	<p>B23 Motor type CBN Flat Wheel Dresser</p> <p>V-TDM</p>
<p>B23 Wheel Hanger</p> <p>VWH-</p>	<p>B23 Grinding Wheel Flang</p> <p>FKT-250,FTA-350</p>	<p>B24 Wheel Balancing Stand</p> <p>WBS-300</p>	<p>B24 Level Balancing Stand</p> <p>LBS-</p>	<p>B24 Driving Carrier</p> <p>VDC-</p>
<p>B25 Sine Plates</p> <p>V-47~</p>	<p>B25 Compound Sine Plate</p> <p>V-47S~</p>	<p>B26 Magnetic Sine Plate</p> <p>V-47M~</p>	<p>B26 Magnetic Sine Plate With Fine Pole</p> <p>V-47MF~</p>	<p>B27 Ajustable Sine Plate With Fine Pole Magnetic Chuck</p> <p>V-66SA</p>



B27 double Way Sine Plate With Permanent Magnetic Chuck




V-47MS

B27 Double Way Sine Plate With Fine Pole Magnetic Chuck




V-47MSF

B28 Rotary Permanent Magnetic Plate



VLU-

B28 Rotary Fine Pole Permanent Magnetic Plate




VLU-

B28 Hi-Power Mini Type Permanent Magnetic Plate



VG-

B29 Angular Permanent Magnetic Plate




VG-

B29 Middle Pitch Permanent Magnetic Chuck



VGf-

B30 Fine Pole Magnetic Plate



VRTW-

B30 Round Type Magnetic Plate



VGD-

B30 Fine Pole Round Type Magnetic Plate




VGDW-

B31 Permanent-Electro Magnetic Chuck



VPE-

B33 Permanent Magnetic Lifter (ON/OFF Type)



VML-

B35 Standard Pole Electro Magnetic Chuck



VEM-

B35 Super-Powerful Electric Magnetic Chuck



VEM-

B36 Chuck Controller (For Rectify & Denagnetize)



VCC-705

B36 Chuck Controller (For Rectify & Denagnetize)



VCC-805A,815

B36 Chuck Controller (For Rectify & Denagnetize)



VCC-820

B37 Magnetic Lifter




VGP-

B37 Magnetic Lifter



VML-

B38 Magnetic Transisting Block



VCP-

B38 Magnetic Transisting Block Set



VCP-6

B38 Magnetic Adjustable Link



VCP-5

B39 Magnetic Steel Sheet Separator



VCP-10,11

B39 Magnetic Chip Collector



VCP-15

B39 Magnetic Separating Bar Unit



VMS-7B,9B

B40 Demagnetizer



VDM-40

B40 Demagnetizer



VDM-50

B40 Demagnetizer



VDM-68

B41 Demagnetizer



VDM-8,11

B41 Mini Type Demagnetizer



VDM-9

B41 Tunnel type Demagnetizer And Magnetizer



VDM-

B42 Chip collector Mini Handy Type



VCC-16

B42 Chip Collector With Adjustable Arm Type



VCC-17A

B42 Chip Collector With Wheels



VCC-19

B42 Chip Collector With Flexible Arm




VCC-20

B42 Chip Collector With LED



VCC-21

B43 Magnetic V Block




VCP-25

B43 Magnetic V Block




VCP-26,27

B43 Magnetic V Block



VCP-29,30

B43 Magnetic Square Block



VCP-31,32



B44 Magnetic Tools

VMB-

B44 Magnetic Tools

VMB-

B45 Magnetic Tools

VMB-
VML-

B45 Magnetic Tools

VMB-

B46 Magnetic Tools

VMF-, VMS-

B46 Magnetic Tools

VMH-

B47 Multi-Function Mist Coolant System

VCS-500

B47 Mist Coolant With Magnetic Base

VMH-71

B47 Adjustable Magnetic Nozzle Kit

CL-

B48 Adjustable Coolant Hoses & Valves

VHK-

B49 Paper Filter

PF-

B49 Magnetic Separator

MC-

B50 Magnetic Separator & Paper Filter

MC+PF-

B51 Coolant Tank

VC-601

B51 Dust Collector

VC-602

B51 Dust-Suction And Coolant Tank

VC-603

B51 Dust-Suction & Coolant Tank W/Magnetic Separator

VC-606

B52 Oil Skimmer With Belt Type

VOS-820,830

B52 Oil Skimmer With Belt Type

VOS-800,810

B52 Oil Skimmer With Rotary Plate Type

VOS-850

B53 Precision Gauge Blocks

VGB-

B54 Ceramic Gauge Blocks

VGB-

B55 Cast Iron Surface Plates

VS-

B55 Black Granite Surface Plates

VSG-

B56 Granite Square Rulers

VQR-400,500

B56 Granite Straight Rulers

VSR-630,1000

B56 Granite Triangle Ruler

VGT-

B56 Granite V-Block

VGV-63,100

B57 Granite Surface Stand

VH-41~45

B57 Cylindrical Squares Steel

VCS-300,400

B57 Horizontal Leveling Instrument

VLI-

B57 Precision Square Level

VSL-

B57 Cleaning Paper

P-1000

B58 Concentric Test Stand

VCI-

B58 Concentric Test Stand

VCI-

B58 Fixed Speed Punch Former

V-PS-80M

B58 Pin Gauge

VPG-

B59 Precision Vernier Caliper

VVC-6"-12"

B59 Digital Electronic Caliper

VEC-6"-12"

B59 Dial Caliper

VDC-6~12




B59 Outside Micrometer

VOM-


B59 Inside Micrometer

VIM-

B60 Dial Indicator

VDI-1

B60 Dial Test Indicator

VDI-0.8A

B60 Height Vernier Caliper

VHG-12-24

B60 Height Dial Caliper

VHD-12,24

B60 Micrometer Stand

VH-19

B60 Micrometer Stand

VH-19

B60 Measuring Tool Kits

VVC-20

B61 Angle Level

VAL-



<p>C01 ER Spring Collet Chuck System</p>	<p>C02 ER Spring Collet Chuck System</p> <p>ER-</p>	<p>C04 ER Spring Collet Chuck System</p>	<p>C06 ER Spring Collet Chuck System</p>	<p>C08 ER-GB Top Collets</p>
<p>C09 Collet Chuck Kit With ISO Taper Shank</p> <p>V-101~226</p>	<p>C10 Extended Collet Holder With ISO Shank</p> <p>V-231~250</p>	<p>C11 Collet Holders With R-8 Shank</p> <p>V-301~318</p>	<p>C12 Collet Holders With Morse Taper Shank</p> <p>V-401~437</p>	<p>C13 Collet Holders With Straight Shank</p> <p>V-501~530</p>
<p>C14 Collet Holders With Straight Shank</p> <p>V-601~684</p>	<p>C15 MiniType Straight Shank Holder</p> <p>V-551~698</p>	<p>C16 Clamping Nuts For Collets</p> <p>V-800~810</p>	<p>C17 Clamping Wrench For Collets</p> <p>V-811~824</p>	<p>C18 Collet Holders With BT Taper Shank</p> <p>V-700~727</p>
<p>C19 Collet Holders With BT Extension Type BT Taper Shank ER-16,ER-20</p> <p>V-733~779</p>	<p>C20 Collet Chuck Kit With BT Taper Shank</p>	<p>C21 ST/ER Straight Shank With Double Head Spindle</p> <p>V-830~837</p>	<p>C21 ST/ER Straight Shank With Single Head Spindle</p> <p>V-841~848</p>	<p>C22 ER-SK Taper Shank</p> <p>V-741~763</p>
<p>C23 Collet Holder With CAT-Shank</p> <p>V-870~890</p>	<p>C24 Milling Chuck</p> <p>VB-</p>	<p>C25 DIN 6388 Collet For Milling Chuck</p> <p>OZ-</p>	<p>C26 DIN 6388 Nuts & Wrench</p> <p>OZ-</p>	<p>C27 OZ-25 Collet Holder With BT-Shank</p> <p>VB-</p>
<p>C28 Collet Holder With BT-Shank OZ-32 MAS 403</p> <p>VB-</p>	<p>C29 Collet Holder With ISO-Shank OZ-32</p> <p>VB-</p>	<p>C30 Collet Holder With DIN 69871A & Cat Type</p> <p>VB-261~291</p>	<p>C31 Posi-Lock Milling Collet Chuck</p> <p>VC</p>	<p>C32 Multi-Lock Milling Chuck</p> <p>VB-431~452</p>
<p>C33 Multi-Lock Milling Chuck</p> <p>VB</p>	<p>C34 C-20,25,32,42 Collet</p>	<p>C34 C-20,25,32,42 Wrenches</p>	<p>C35 Double Face Contact Multi Lock Milling Chuck</p>	<p>C35 Quick-Change Tooling System</p> <p>VD</p>
<p>C36 TG 100 Collet System</p> <p>TG10</p>	<p>C37 5C Collet System</p> <p>5C</p>	<p>C37 R8 Collet System</p> <p>R8</p>	<p>C38 U2 Collet System</p> <p>VE</p>	<p>C38 MT3 Collet System</p> <p>MT3</p>



<p>C39 Drill Chucks Arbor</p> <p>VJ</p>	<p>C39 Morse Taper Sleeve</p> <p>VQ</p>	<p>C39 R8 With Morse Taper Sleeve</p> <p>VQ-122,123</p>	<p>C40 Face Mill Arbor</p> <p>VF-101~137</p>	<p>C41 Morse Taper Adapter</p> <p>VI-101~111,VI-131~138</p>
<p>C41 Jacobs Taper Drill Chuck Arbor</p> <p>VJ-103,106,109</p>	<p>C42 Right Angle Heads For Machining Center</p> <p>VHA</p>	<p>C42 Oil-Feed Holder / S/o</p> <p>OC,BT</p>	<p>C43 Face Mill Arbor</p> <p>BT-101~121 BT-150~166</p>	<p>C44 Drill Chuck Holder / APU</p> <p>BT-180~188</p>
<p>C44 Morse Taper Adaptor</p> <p>BT</p>	<p>C44 Lever Checking Holders WELTON TYPE</p> <p>BT40-M8,BT50-M8</p>	<p>C44 Test Arbor</p> <p>A30,40,50</p>	<p>C45 Sidelock End Mill Holder</p> <p>BT</p>	<p>C46 Pull Studs BT30,40,50</p> <p>BT-501~512</p>
<p>C46 Pull Studs BT40,50</p> <p>BT-516~521</p>	<p>C47 Pull Studs DIN 69872, A Type</p> <p>BT-522</p>	<p>C47 Pull Studs ISO-A Type And B Type</p> <p>BT-529~532</p>	<p>C48 Pull Studs</p> <p>BT-533~548</p>	<p>C49 Complete NC Tooling Set</p> <p>VBT</p>
<p>C50 Complete NC Tooling Set</p>	<p>C52 Face Mill Holder</p> <p>SK-112~120</p>	<p>C52 Morse Taper Holder- DIN 6383</p> <p>SK-214~220</p>	<p>C53 Sidelock End Mill Holder</p> <p>SK-417~431</p>	<p>C53 Drill Chuck Holder / APU</p> <p>SK-509~514</p>
<p>C54 Face Mill Holder</p> <p>CAT</p>	<p>C54 Side Lock Holders</p> <p>CAT</p>	<p>C54 Morse Taper Holders</p> <p>CAT</p>	<p>C55 HSK-A63(DIN-69893) Tool Holder</p> <p>HSK-A63</p>	<p>C55 HSK-A63(DIN69893A) ER Collet Chucks</p> <p>HSK</p>
<p>C55 HSK-A63(DIN69893A) OZ Collet Chucks</p> <p>HSK</p>	<p>C56 HSK-A63 Morse Taper Holders</p> <p>HSK</p>	<p>C56 HSK-A63 Face Mill Holders</p> <p>HSK</p>	<p>C56 HSK-A63 Face Mill Holders</p> <p>HSK</p>	<p>C57 DC High Speed slim Chuck System</p>
<p>C57 Slim Collet Chuck With Double Face Contact</p> <p>BTD</p>	<p>C58 MAS BT30/40 Collet Chuck</p>	<p>C58 Cylindrical Shank Of DC Slim Chuck</p>	<p>C58 Set Of DC Collets And Collet Chuck</p>	<p>C59 Small Collet Of Slim Collet Chuck</p> <p>DC6</p>



<p>C59 Collet For End Mill Shank</p>  <p>DC6-3E,4E,6E</p>	<p>C60 High Speed Chuck</p> 	<p>C61 SK Spring Collet System</p>  <p>SK</p>	<p>C63 BT-SK Collet Chuck System</p>  <p>SKB-201-233</p>	<p>C63 Set Of SK Collet And MAS BT Chuck</p>  <p>SKB-301-315</p>
<p>C64 ST-SK Straight Chuck</p>  <p>SKS-210-214</p>	<p>C64 Set Of SK Collet And Straight Chuck</p>  <p>SKS-231-234</p>	<p>C64 SK Nut And Wrench</p>  <p>SKN,SKW</p>	<p>C65 ER Collet Chuck System</p>  <p>BT30,40</p>	<p>C66 3D-Taster</p>  <p>V-3D</p>
<p>C66 Integrated Type Keyless Drill Chucks</p>  <p>INT-</p>	<p>C66 Integrated Type Keyless Drill Chucks</p>  <p>BT40,SK40</p>	<p>C67 Integrated Type Keyless Drill Chucks</p>  <p>INT-</p>	<p>C68 Keyless Drill Chucks</p>  <p>TYPE:XHSP</p>	<p>C68 Keyless Drill Chucks</p>  <p>TYPE:H</p>
<p>C69 Keyless Drill Chucks</p>  <p>TYPE:S</p>	<p>C69 Keys</p> 	<p>C70 Key Type Drill Chucks</p>  <p>TYPE:G</p>	<p>C70 Ball Bearing Key Type Super Chucks</p>  <p>TYPE:H</p>	<p>C71 Key Type Drill Chucks</p> 
<p>C72 Powerful Integrated Drill Chucks</p>  <p>PNT-</p>	<p>C73 Modular Boring Systems</p> 	<p>C73 Taper Shank For Boring Heads Series BST,VBK</p> 	<p>C74 Large Diameter Twin-Bit Rough Boring</p> 	<p>C75 Large Diameter Finish Boring Head</p> 
<p>C76 Indexable Twin-Bit Rough boring Head RBH</p> 	<p>C77 Taper Shank For Boring Heads Series BST,VBK</p> 	<p>C77 Extension (Reduced)</p> 	<p>C77 Extension (Constant Diameter)</p> 	<p>C78 Indexable Twin-Bit Rough Boring Head RBH-LA</p> 
<p>C78 FBH Finish Boring Head</p> 	<p>C79 FBH Finish Boring Head</p> 	<p>C79 Small diameter Boring Head CB14</p> 	<p>C80 Carbide tool Holder</p> 	<p>C80 Insert Holder For Carbide Tool Holder</p> 
<p>C80 RBH Indexable Twin-Bit Rough Boring Head</p> 	<p>C80 Indexable Twin-Bit Rough Boring Head RBH-LA</p> 	<p>C80 Large Diameter Modular Rough Boring Head With Diameter Over Ø200mm</p> 	<p>C81 Precision finish Boring Head Sets</p>  <p>VBHD- NEW</p>	<p>C82 Precision finish Boring Head Sets</p>  <p>VBHE- NEW</p>



C83 High Precision Boring Head Set
 VBH620-

C84 High Precision Boring Head Set
 VBH2084-

C85 Universal boring And Facing Master Hand
 VBHU-

C86 Interchangeable Shanks

C87 Boring Head Sets
 VBH-

C88 Boring Head Set C-Type
 VBHC-

C88 Boring Head Shank C-Type
 VBC-

C89 C-Type Boring Head
 VBC-2,3

C90 Touch Point Sensor
 VPS-20B,32B

C90 Touch Point Sensor
 VPS-20,32

C91 Touch Point Sensor
 VPS-201,201C

C91 Touch Point Sensor
 VPS-401,401C

C92 Touch Point Sensor
 VPS-301,302

C92 Centering Indicator
 VCI-170

C93 Height Presetter
 HP-50Z

C93 Height Presetter (For Machining Center)
 HP-100

C94 Z-Zero-Setter
 HP-50A,50B

C94 Electronic Tool Length Setter
 HP-50EM,100EM

C95 Reversible Tapping Attachment For Drilling & Milling Machine

C95 Drill Tapper
 VDT-24,33

C96 Reversible Tapping Attachments
 VTA7-

C96 Tap Chuck Series
 VTA-13,16

C97 Tap Chuck
 VTA-35000,35002

C97 Expansible Tapping Holder

C98 Expansible Tapping Holder

C99 Quick Change Tapping Chucks
 VQT-

C100 Quick Change Tapping Chucks

 Converting Chuck

C101 Quick Change Tapping Chucks
 TC-320,820,1433-

C103 Quick Change Tapping Chucks

 Converting Chuck

C104
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C105 Mini Type Arm Type Air Tapping Unit
 VAT-

C105 Small Arm Type Air Tapping Unit
 VAT-

C106 Arm Type Air Tapping Unit
 VAT-

C107 Air Tapping Unit
 VAT-

C107 Air Tapping Spindle
 VAT-SP

C107 Parallel Arm For Air Tapping Unit
 VAT-ARM

C108 Adjustable Angle Head For Air Tapping Unit

C108 Magnetic Base For Air Tapping Unit
 VLM-300A,600A

C109 Mist Coolant System For Air Tapping Unit
 VAC-08

C109 Collet Rack For Air Tapping Unit
 VCR-08



C109 Working Table
 **NEW**
 VAT-912T

C110 Deluxe Type tool Setting Stand

 VTD-

C110 Simple type Tool Setting Stand

 VTS-

C111 Tool Holder Locking Device

 VTG-

C111 Tool Holder Locking Device

 VTL-

C111 Tool Holder Locking Fixtures

 VTL-

C112 End Mill Sheath Rack

 VMS-2

C112 Spindle Taper Wiper

 VTW-

C112 Spindle Taper Wiper

 VTW-


C112 Tooling Carts
 **NEW**
 VTT

C113 Tooling Trolleys

 VTT-2,5,6

C113 Tooling Sheath Rack

 VTTR-

C113 Tooling Sheath

 VTTs-

C114 Tool Presetter

 TP-3040E

C114 Tool Presetter

 TP-3040

C115 Tool Cabinet

 VTC-23,25

C115 Tooling Trolleys
 **NEW**
 VTC-100

C115 Tooling Trolleys
 **NEW**
 VTC-200

C116 Workbench
 **NEW**
 VWB-59C

C116 Workstation
 **NEW**
 VWB-592

C116 Tool Cabinet
 **NEW**
 VTT-10

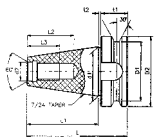
C116 Tooling Trolleys
 **NEW**
 VTT-7

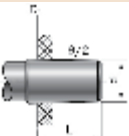
C117 Parts Cabinet

 VA6-

C117 Tool Box

 VTB-102,901

C118 Standard


C118 Drill Chuck Taper




<p>D01 NC-Rotary Table</p>  <p>VNCM-</p>	<p>D03 NC-Rotary Table</p>  <p>VNCM-</p>	<p>D04 NC-Rotary Table</p>  <p>VNCX-10</p>	<p>D05 NC-Rotary Table</p> 	<p>D05 NC-Rotary Table</p> 
<p>D05 NC-Rotary Table</p> 	<p>D05 NC-Rotary Table</p> 	<p>D06 Tailstock For NC Rotary Table</p>  <p>TS-</p>	<p>D07 MC Power vise</p>  <p>VQX-</p>	<p>D11 Base Plate Series</p>  <p>TBP-</p>
<p>D11 Base Plate Series</p>  <p>SBP-</p>	<p>D11 Base Plate Series</p>  <p>HBP-</p>	<p>D12 M/C Angle Plate 90°</p>  <p>BP20-</p>	<p>D12 M/C Angle Plate 90°</p>  <p>BP22-</p>	<p>D13 M/C Clamping Cube</p>  <p>BP07-</p>
<p>D14 Angular Hollow Block 45°</p>  <p>BC45-</p>	<p>D14 Angular Hollow Block 30°</p>  <p>BC30-</p>	<p>D15 Flexible Line Up Vice</p>  <p>VFS-</p>	<p>D17 Flexible Line Up Vice</p>  <p>VFL-</p>	<p>D19 Oil Mist Cleaner</p>  <p>VOM-</p>



E01 Light Duty Live Center



VPC-

E01 Live Lathe Center



VLC-

E02 High-Speed NC Live Center



VLC-

E02 High-load NC Live Center



VCF-

E03 Inter-Changeable Points Live Center




VLC-

E03 High-Speed NC Interchangeable Points Live Center



VCS-

E04 High-Load Interchangeable Points Live Center



VCP-

E04 Bull Nose Center



VLC-

E05 Lathe Centers



VLC-

E05 Work-Driving Center



VDK-

E05 Work-Driving Center-Changeable Tips



VDC-30-MT4

E06 3 Jaw Self Centering Chuck




VSC-

E06 3 Jaw Powerful Self Centering Chuck



VSK-

E07 4 Jaw Self Centering Chucks



VPS-

E07 4 Jaw Self Centering Chucks



VPS-

E08 DIN-Type 3-Jaw Self-Centering Chucks




VSC-

E08 4 Jaw Independent Chuck Plain Back




VKC-

E09 3 Jaw Scroll Chuck




VSC-

E09 3 Jaw Powerful Scroll Chuck



VSK-

E10 Machining Jaw Chuck




VMJ-

E10 Super Thin Chucks



VNBK-

E11 Soft Jaw For SK-Type Chuck




VSJ-6-16

E12 Soft Jaw Hydraulic Power Chucks



VHC-5-15

E13 Soft Jaw Forming Ring




VFR-

E13 Hard Jaw For Hydraulic Power Chucks




HJ-

E14 3-Jaw Wedge Type Through-Hole Power Chuck




N-205A4-

E15 2-Jaw Wedge Type Through-Hole Power Chuck




NT205-

E16 3-Jaw Wedge Type Non Through-Hole Power Chuck



V-206A5

E17 Super High Speed Through Hole Rotary Hydraulic Cylinder




M1036-

E18 Non Through Hole Rotary Hydraulic Cylinder




MS105-

E18 Collet Chucks



CR42A5-

E19 4-Jaw Wedge Type Through-Hole Power Chuck



VNIT-208-

E19 6-Jaw Awl Type Chucks



VAS-4,6

E20 2-Jaw Steel Body Chucks



VTNT-07,09

E20 3-Jaw Steel Body Chucks



VNT-07-12

E21 Tool Post Grinder ON Lathe



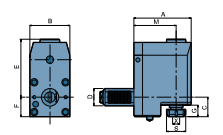
VGR-

E25 Axial Drilling And Milling Heads



VDI-

E26 Axial Drilling And Milling Heads



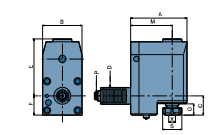
VDI-

E28 Axial Drilling And Milling Heads



VDI-

E29 Axial Drilling And Milling Heads



VDI-



E32 Axial Drilling And Milling Heads
VDI-

E33 Axial Drilling And Milling Heads

E35 Axial Drilling And Milling Heads-For"Baruffaldi" Type
VDI-

E36 Axial Drilling And Milling Heads-For"Baruffaldi" Type

E39 Axial Drilling And Milling Heads-For"Duplomatic" Type

E40 Axial Drilling And Milling Heads-For"Duplomatic" Type

E42 Radial Stacit Holders

E42 Radial Stacit Holders

E43 Radial Stacit Holders

E43 Radial Stacit Holders

E44 Axial Stacit Holders

E44 Axial Stacit Holders

E45 Combined Stacit Holders

E45 Combined Stacit Holders

E46 Combined Stacit Holders

E46 Stacit Holders

E47 Stacit Holders

E47 Stacit Holders

E48 Stacit Holders

E48 Stacit Holders

E49 Stacit Holders

E49 Axial Stacit Holders

E49 Axial Stacit Holders

E50 Reducing Sleeves

E51 Reducing Sleeves

E51 Test Mandrel

E52 H Type Milling Drilling Head

E53 H Type Milling & Drilling Head

E53 V Type Milling & Drilling Head

E56 forward Turning Holder RH
MF SERIES SQI SERIES

E57 Reverse Turning Holder LH
SQI SERIES MF SERIES

E57 Double Turning Holder

E58 Boring Bar Holder

E59 Double Boring Bar Holder

E59 U Drill Holder

E60 Facing Holder RH


E61 Quick Change Tool Post & Holders
NEW VTP-

E62 Individually Piece Italian Style
NEW VTP-

E63 Quick Change Tool Post & Holders
NEW VTP-

E64 Quick Change Tool Post & Holders
NEW VTP-



<p>F01 Face Milling Cutter 45°</p>  <p>SE545-, SE445-</p>	<p>F01 Face Milling Cutter 65°</p>  <p>SP535-, SP435</p>	<p>F02 Face Milling Cutter 75°</p>  <p>FP-</p>	<p>F02 Face Milling Cutter 90°</p>  <p>TP-</p>	<p>F03 Round Insert Milling Cutter</p>  <p>RM-</p>
<p>F03 Powerful Face Milling Cutter</p>  <p>VC-4033</p>	<p>F03 Shoulder End Mills</p>  <p>SAE-</p>	<p>F04 Round Insert End Mills</p> 	<p>F04 Drilling & Milling Cutter</p> 	<p>F05 High Speed Shoulder Mills</p> 
<p>F05 Ball End Mills</p> 	<p>F05 High-Speed Rough Endmill</p>  <p>VAPX-</p>	<p>F06 CAP400R High Speed Shoulder Mills</p>  <p>CAP400R-</p>	<p>F06 CRT Round Insert End Mills</p>  <p>CRT-</p>	<p>F06 Face End Mills</p> 
<p>F06 Shoulder Face Milling Cutter</p>  <p>TPS-</p>	<p>F07 45° Chamfering End Mills</p>  <p>TC12</p>	<p>F07 45° Chamfering Endmill</p>  <p>VCE-</p>	<p>F07 T-Slot Endmill</p>  <p>VTE-</p>	<p>F08 Side Milling Cutter</p>  <p>VSM-</p>
<p>F08 Cutting Holder</p> 	<p>F08 Cutting Blocks</p>  <p>SUB20,25</p>	<p>F09 Power Super Drill 2D</p>  <p>VCD-</p>	<p>F09 Power Super Drill 3D</p>  <p>VCD-</p>	<p>F10 Tool holders</p> 
<p>F11 Tool holders</p> 	<p>F12 Tool holders</p> 	<p>F13 Tool holders</p> 	<p>F14 Boring Bars</p> 	<p>F15 Boring Bars</p> 
<p>F17 Insert For Face Mill Cutter</p> 	<p>F18 Solid Carbide End Mills For<48HRC</p>  <p>VE112,122,125</p>	<p>F19 Solid Carbide End Mills For<48HRC</p>  <p>VE114,124,126</p>	<p>F20 Solid Carbide Ball Nose End Mills For<48HRC</p>  <p>VB221,222,232</p>	<p>F21 Solid Carbide End Mills For<68HRC</p>  <p>VE166,167</p>
<p>F21 4 Flute Carbide End Mill Set VE124 18 PCS/SET In Wooden Box With</p>  <p>VE124-A</p>	<p>F21 2 Flute Carbide Ball Nose End Mill Set VB222 9 PCS/SET In Wooden Box With</p>  <p>VB222-A</p>	<p>F22 Solid Carbide NC/CNC Spot Drills</p>  <p>VD903,904,913,914</p>	<p>F23 Finishing End Mills<56HRC</p>  <p>VE164,165</p>	<p>F24 Ball Nose End Mills<56HRC</p>  <p>VB262,263</p>



<p>F25 Machine Reamers In Steps Of 0.5mm</p> <p>VR301-</p>	<p>F26 Machine Reamers Carbide Tipped</p> <p>VR303-</p>	<p>F27 Universal End Mills</p> <p>VE133,135</p>	<p>F28 Universal End Mills</p> <p>VEA72,82</p>	<p>F29 Finishing End Mills</p> <p>VEA74,84</p>
<p>F30 Ball Nose End Mills</p> <p>VBB12,80</p>	<p>F30 End Mills With Corner Radius</p> <p>VB625</p>	<p>F31 End Mills For Aluminium</p> <p>VEA92</p>	<p>F31 Finishing End Mills</p> <p>VEC40,VED40</p>	<p>F32 Ball Nose End Mills</p> <p>VBB61-</p>
<p>F32 Roughing End Mills</p> <p>VFF08,09</p>	<p>F33 Twist Drills</p> <p>VDD12-</p>	<p>F34 Twist Drills</p> <p>VDD13-</p>	<p>F35 High Performance Drills</p> <p>VDD30-</p>	<p>F36 High Performance Drills</p> <p>VDD31-</p>
<p>F37 High Performance Drills</p> <p>VDD32-</p>	<p>F38 Combined Drill And Countersink</p> <p>VDT08-</p>	<p>F38 Machine Reamers Long Length</p> <p>VRC02-</p>	<p>F39 Hand Reamers-HSS</p> <p>VHM-</p>	<p>F39 Adjustable Reamers</p> <p>VAR-</p>
<p>F40 Outside Radius Shape End Mills</p> <p>VCR-</p>	<p>F40 Counterbore End Mills</p> <p>VCB-</p>	<p>F41 Metal Slitting Saws</p> <p>VSS</p>		



G01 Shock Absorber
TK-

G01 Shock Absorber
SB-

G01 Shock Absorber
SC-

G01 Shock Absorber
SY-

G02 Arbor Press
VAR-

G02 Arbor Press
VARR-

G02 Flat End Movable Handle
VFE- *NEW*

G02 Ellipse Movable Handle
VEM- *NEW*

G03 Ball Knobs
VKB- *NEW*

G03 Hand Knobs
VKB- *NEW*

G03 Revolving Handles
VRL- *NEW*

G03 Adjustable Hand Levers
VAH- *NEW*

G03 Adjustable Hand Levers
VAH- *NEW*

G04 Ball Crank Handle
VBK- *NEW*

G04 360° Swivelling Lock Handle
VSA-, VSB-, VSD- *NEW*

G04 PU-Hammer Series
VHM- *NEW*

G05 Universal Drill & Cutter Grinder
VDG-32N

G05 Horizontal Band Saws
HBS-7

G05 Horizontal Band Saws
HBS-7CE

G06 Multi-Purpose Milling & Drilling Machine
MD-30N, 30B

G07 All Geared Head Drill Press
GMB-

G08 Vertical Band Sawing Machine
Y-310-500

G09 Air Die Tool
VAG-

G10 Air Die Tool
VAG-

G11 Air Die Tool
VAG-

G12 Abrasive Mounted Point & Wheel For Air Tool
WA-, WF-, WR-, WE-

G12 Diamond Tools For Air Tool
WG-30D

G13 Magnetic De-Burring & Polishing Machine
VDB-

G14 Magnetic De-Burring & Polishing Machine

G15 Precision Drill Grinder
VDG-13A, 20, 25A

G17 Left Hand Drill Grinder
VDG-13L *NEW*

G18 Sheet Metal Drill Grinder
VDG-13S *NEW*

G19 Precision End Mill Grinder
VEG-13A, 25A *NEW*

MEMO

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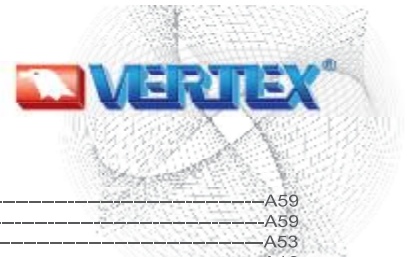
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ACCURACY

ACCURACY

SPEED

RESPONSIBILITY

COOPERATIVE

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MILLING MACHINE ACCESSORIES

Horizontal / Vertical Rotary Table

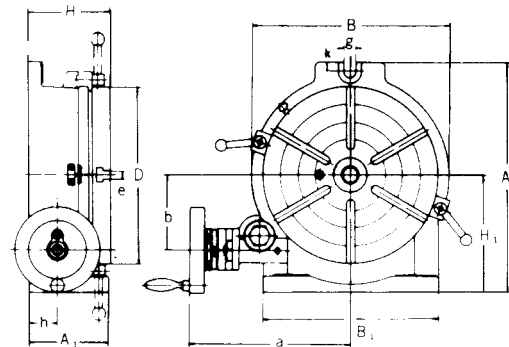


HV-6, 8, 10, 12, 14, 16

Special Accessories (Details on page 2)



HV-4



Specifications

Unit:mm/inches

ORDER NO.	Table			Base dimension			Width of T-slot		Bolt slots	The Load Capacity For Rotary Table		Center sleeve	Gross Weight kg wooden case(W) Carton(C)	Meas. CFT	CODE NO.
	Outer diameter		Height	Base dimension			Width of T-slot			Horizontal	Vertical				
	A1	D	H	H1	A	B	e	Type							
HV-4	70	110	80	85	145	115	11	⊕	12	35 KGS	18 KGS	MT-2	(C) 7.6kgs	0.3	1001-000
HV-6	78 3.07	150 5.91	80 3.11	100 3.94	200 7.87	160 6.30	11 0.43	⊕	15 0.59	40 KGS	20 KGS	MT-2	(C) 12.7kgs	0.4	1001-001
HV-8	100 3.94	200 7.87	105 4.13	135 5.31	265 10.43	220 8.66	14 0.55	⊕	17 0.67	80 KGS	40 KGS	MT-3	(C) 26.9kgs	0.8	1001-002
HV-10	110 4.33	250 9.84	115 4.53	165 6.50	325 12.80	280 11.02	14 0.55	⊗	17 0.67	90 KGS	50 KGS	MT-3	(C) 37.7kgs	2	1001-003
HV-12	130 5.12	300 11.81	135 5.32	195 7.68	388 15.27	330 12.99	16 0.63	⊗	18 0.71	120 KGS	60 KGS	MT-4	(C) 60.6kgs	2.6	1001-004
HV-14	130 5.12	350 13.78	140 5.51	230 9.06	450 17.72	380 14.95	16 0.63	⊗	18 0.71	130 KGS	70 KGS	MT-4	(C) 79.5kgs	3.2	1001-005
HV-16	150 5.90	406 15.98	155 6.10	255 10.03	500 16.69	430 16.93	16 0.63	⊗	18 0.71	140 KGS	70 KGS	MT-4	(W) 118.4kgs	4.2	1001-006

- Our Tables are made of high density Meehanite and use "HEIDENHAIN" electronic equipment to inspect angle to assure the excellent quality and durability.
- Use excellent machining center to process. Spindle end be applied accuracy bearing. Can be assured to keep very steady under load cutting.
- 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.
- 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.

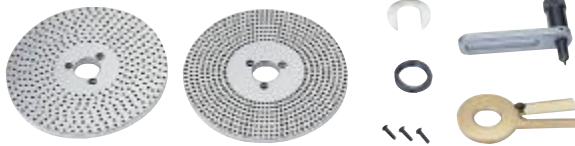
Test Report

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"	

Rotary Table 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: 3.5kg.
Meas.: 0.13 CFT.
Number of the holes of Dividing Plates

ORDER NO.	SUIT FOR MODEL	WEIGHT kg	CODE NO.
*DP-1	for HV-4, HV-6, VUT-6, VU-100, 150	1.4	1001-030

ORDER NO.	SUIT FOR MODEL	WEIGHT kg	CODE NO.
* DP-2	for HV RT -8, VU-200	4.5	1001-031
DP-3	for HV -10, 12, 14, 16, VUT-10, RT -12	4.6	1001-032
DP-4	for CS-6, 8	4.6	1001-033
DP-5	for VU-300	4.6	1001-034

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

A-PLATE	26, 30, 34, 38, 41, 44, 47, 51, 57, 28, 32, 37, 39, 43, 46, 49, 53, 59
B-PLATE	61, 67, 71, 77, 81, 87, 91, 97, 63, 69, 73, 79, 83, 89, 93, 99

Unit:mm

B. TAILSTOCK



TS-1

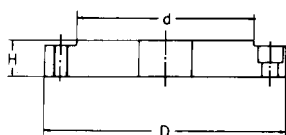
ORDER NO.	adjustable		SUIT FOR MODEL	G.W. kg	Meas. CFT	CODE NO.
	highest	lowest				
TS-1	110	80	HV-4, HV-6, VSI-4, VSI-5, BS-0, VUT-6, VU-100, VU-150	3.9	0.4	1001-022
TS-2	145	115	BS-1, CC-6, CS-6, HV-8	5.5	0.4	1001-023
TS-3	200	130	CS-8, HV-10, HV-12, CC-8, VUT-10, VUT-12, VU-200	8.1	0.4	1001-024
TS-4	260	190	HV-14, HV-16	11.9	0.7	1001-025

Unit:mm

C. FLANGE



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



ORDER NO.	D	d	H	SUIT FOR 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

Precision 3-Jaw Scroll Chuck

- Detail specification & Order NO. shown on page E5



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

Reversible type



For indexer, The fixing hole is from front.

- 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 could be used alternately.
- Hard jaws could be used as both internal jaws and external jaws.

ORDER NO.

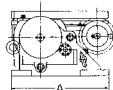
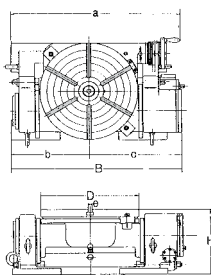
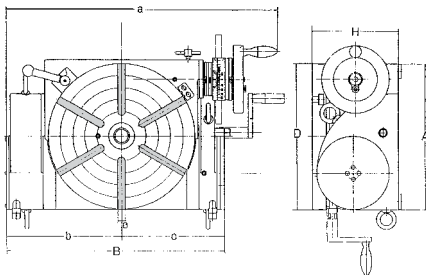
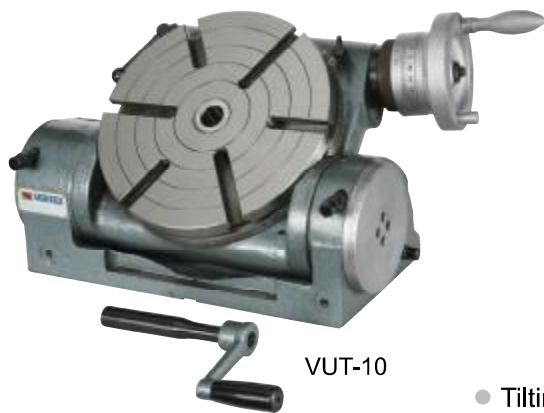
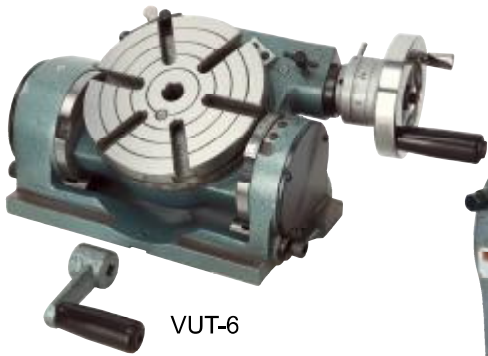
VSC-5A SUIT FOR BS-0 OR HV-6, VUT-6, VU-150
VSC-6A SUIT FOR BS-1 OR HV-8, 10, VUT-6, VU-200
VSC-7A, 8A SUIT FOR BS-2 OR HV-10, 12, 14, VUT-10, 12
VSC-10A SUIT FOR HV-14, 16

ORDER NO.

VSK-6A SUIT FOR CS-6, CC-6
VSK-8A SUIT FOR CS-8, CC-8
VSK-12A SUIT FOR CC-12

NEW

Heavy Duty Type, Rigid & Strong Design



- Tilting by rigid & strong design, 2 supporter & rigid clamping system construction.
- Minimum set-up time.
- Tilting angle can adjusted by worm & worm gear system.
- Accurate and built for use in milling, boring and other machines.
- Indexing, facing and other operations can be done rapidly with extreme precision.
- Worm shafts are hardened and ground.
- Indexing can be done with optional dividing plates.
- DP-1 for VUT-6, DP-3 for VUT-10, VUT-12.
- Tailstock TS-1 for VUT-6, TS-3 for VUT-10, VUT-12.

MAIN SPECIFICATIONS		VUT-6	VUT-10, VUT-12
TILTING	Degree per one handle rotation	6°	1°
	vernier reading	1'	2'
TABLE	Degree per one handle rotation	4°	4°
	Scale of micro collar	1'	1'
	vernier reading	10"	10"
	Gear ratio	1:90	1:90

Specifications

ORDER NO.	TABLE DIAMETER & TABLE HEIGHT			MOUNTING SURFACE		OVER ALL SIZE			T-SOLT WIDTH	CENTER HOLE	CENTER HEIGHT (Tilted at 90°)	WEIGHT (kg)	CODE NO.
	D	H	h	A	B	a	b	c	e				
VUT-6	150	115	165	180	268	380	143	125	10	MT-2	90	23.2	1001-014
VUT-10	250	155	275	255	397	495	210	187	12	MT-3	150	75.2	1001-015
VUT-12	300	178	319	300	447	551	235	212	14	MT-4	169	100	1001-016

Semi-Universal Dividing Head



THREAD SPINDLE:
BS-0. 1 1/8 - 12TPI
BS-0. 1 1/2 - 8TPI

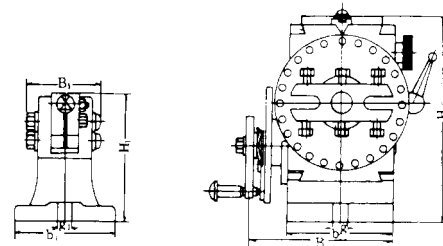
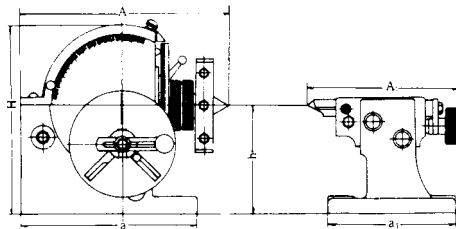
ORDER NO.	WEIGHT(kgs)	CODE NO.
BS-0	18.9	1001-050
BS-1	33.3	1001-051
BS-0-J-5	23.7	1001-053
BS-1-J-6	42	1001-054

Standard Accessories



Dividing Plate A, B, C

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 7 7/16	140 5 23/64	173 6 13/16	100 3 15/16	160 6 19/64	91 3 37/64	13 33/64	MT-2	18
BS-1	293 11 17/32	156 6 9/64	220 8 21/32	128 5 5/64	207 8 5/32	114 4 31/64	16 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 6 37/64	80 3 5/32	107.5 4 15/64	100 3 15/16	130 5 1/8	92 3 2/8	13 33/64
BS-1	191 7 33/64	88 3 15/32	137 5 25/64	128 5 5/64	150 5 29/32	108 4 1/4	16 5/8

- Dividing Head can divide in any angle by the direct, indirect, or different methods. The ratio between the worm and the worm gear is 40:1.
- Hardened and ground spindle is rigidly held in a taper roller bearing. Worm is hardened and ground also.
- The swivel head can be locked of any angle from 10° below horizontal to 90° vertical-precision fitting to base assures smooth rotation.
- 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.
- 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.
- Accurate precision, little backlash, fine appearance and strong structure so can assure smooth rotation.

NEW MODEL FOR NEXT



BS-0-J is
BS-0 fitted with 5" 3-Jaw Chuck & Standard Accessories



THREAD SPINDLE: 2 1/4" - 8TPI

ORDER NO.	WEIGHT(kgs)	CODE NO.
BS-2	64.8	1001-052
BS-2-J-6	78.5	1001-055
BS-2-J-8	80	1001-056

Standard Accessories



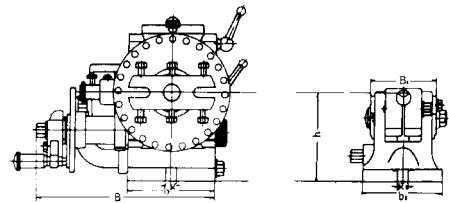
NEW MODEL FOR NEXT



NEW MODEL FOR NEXT



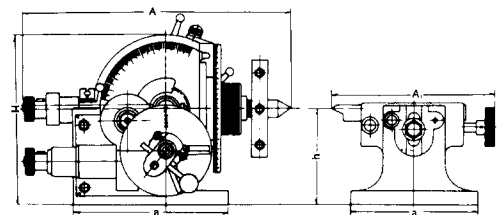
BS-2-J IS BS-2 WITH 6" 3 JAW CHUCK & STANDARD ACCESSORIES



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 14 13/32	272 10 45/64	236 9 13/64	132.7 5 15/64	213 5 25/64	134 5 9/32	16 5/8	MT-4	25.4 1



BS-2 (Tail-stock)

Unit:mm/inches.

ORDER NO.	A1	B1	H1	h1	a1	b1	g1
BS-2	205~255 8 5/64~10 9/64	86 3 15/32	139 5 15/32	132.7 5 15/64	175 6 57/64	124 4 7/8	16 5/8

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

Test Report

ITEM NO.	TESTING OBJECTIVE	VARIATION (INCHES)(MM) MAXIMUM TESTED	
1	TRUE RUNNING OF CENTER	0.0006(0.015)	
2	TRUE RUNNING OF INSIDE TAPER OF DIVIDING SPINDLE (1) MEASURED AT SPINDLE NOSE (2) MEASURED AT ARBOR 8-IN.LONG	(1) 0.0004(0.01) (2) 0.0012(0.03)	(1) (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



Standard Accessories



Special Accessories

The same as Rotay table
Please see page A2

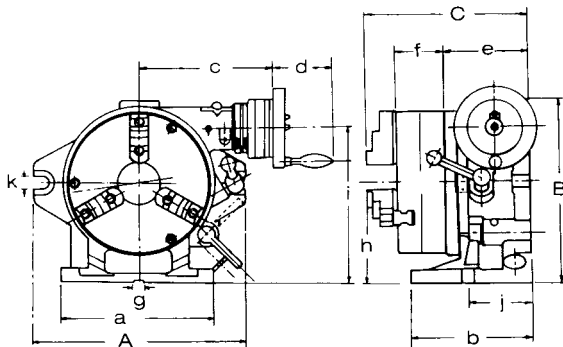


CS-8 with VSK-8 3-JAW

MASKING PLATE & FACE PLATE

This product 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.

- Super spacer index include 3 jaw chuck, 10"/250mm face plate, masking plates 2, 3, 4, 6, 8, 12.



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

Specifications

Unit:mm

ORDER NO.	Numbers of dividing	Chuck				Face plate		A	B	C	a
		Outer diameter	Inner jaw	Outer jaw	Inner dia	Outer dia	Thickness				
CS-6	2, 3, 4, 6 8, 12, 24	167 VSK-6	4~42	10~156	44	203	50	250	235	221	220
CS-8		210 VSK-8	4~62	10~180	63	254	58	310	285	243	225

Unit:mm

ORDER NO.	b	c	d	e	f	g	h	i	j	k	Gross Weight kg	Meas. CFT	CODE NO.
CS-6	150	184	82	112	66	16	123	186	80	18	(W)44.6	1.2	1001-060
CS-8	160	201	82	125	75	16	155	232	90	18	(W)71.4	3.1	1001-061

(W)Wooden Case (C)Carton Case

Simple Indexing Spacer

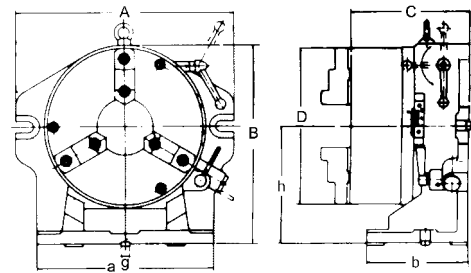


CC-12
BIG HOLE DESIGN



CC-8

- The center through hole is big to be suitable for the large and long workpiece.
- Hardened and ground 24 position master plate, can index the special angle of 15 with excellent accuracy.
- CS-Type can be used with 2 pcs type 3-Jaw Chuck. Especially, it does similar work. as rotary table when it match with face plate.
- Rapid indexing and easy operation. It's a sharp equipment for mass-production.
- Simple index include 3-jaw chuck, Masking Plates 2, 3, 4, 6, 8, 12
- Used the key guide block, the center can be corrected quickly and accurately.
- CC-6 WITH VSK-6A CHUCK
CC-8 WITH VSK-8A CHUCK
CC-12 WITH VSK-12 CHUCK



Special Accessories



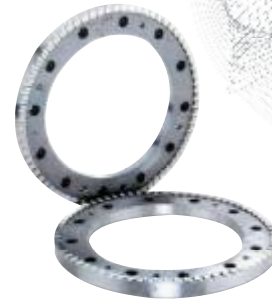
STANDARDS OF ACCURACY for Simple Index for Super-Dex.		
NO.	Testing Objective	Tolerances Unit: inches Permitted Max.
1	Parallelism of table surface to base per 12"	.0006
2	True running of axial movement of table surface	.0006
3	True running of center boss	.0004
4	Squareness of base to angle face per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

Specifications

Unit:mm

ORDER NO.	Dividual number	A	B	C	D	a	b	h	Inner jaw	Guide black g	Outer jaw	Diameter of hole (turret)	Diameter of hole (chuck)	Gross weight kg	Meas. CFT	CODE NO.
CC-6	2, 3, 4, 6	260	218	156.2	167	220	130	123	4~42	16	10~156	44	44	(C)29.4	0.9	1001-062
CC-8	8, 12, 24	312	257	173.3	200	258	148	155	4~62	16	10~180	63	58	(C)51.6	1.3	1001-063
CC-12	2, 3, 4, 6 8, 12, 16 24, 48	433.2	391	232.5	310	353.8	198.3	228	5~108	16	15~265	106	105	(W)90.7	3.6	1001-066

Precision Index Table



2 PCS HIRTH Coupling

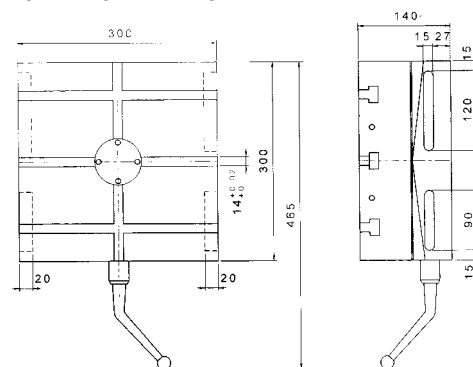
VIT-450~1200 PICTURE

ORDER NO.	VIT-300-15	VIT-450-1	VIT-600-1	VIT-700-1			
		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					
	Revolving	Air Pressure 5~8kgs/cm ²					
Number of division (degree)	15°	1° or 5°					
Division (sec.) Accuracy	±3						
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)	93.8	205	400	600	900	1200	2000
CODE NO. 1°	1001-070(15)	1001-071	1001-072	1001-073			
CODE NO. 5°		1001-081	1001-082	1001-083	1001-084	1001-085	1001-086

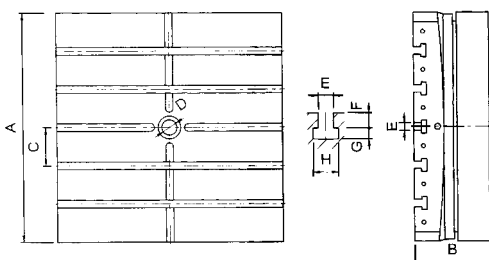
- The body is FC-35 cast iron, durable and will last longer without deformation.
- Clamping/Unclamping by pneumatic, easy operation.
- Powerful clamping design, allow heavy cutting and boring.
- Build-in 2 pieces hirth coupling for positioning, indexing accuracy +/-3 sec, ensure a long-term operation.
- Suitable for the high accuracy machining such as Boring-Milling, Grinding-Machine.

DIMENSION

VIT-300 (PICTURE)

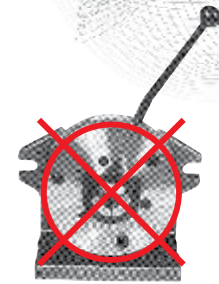
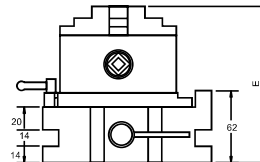
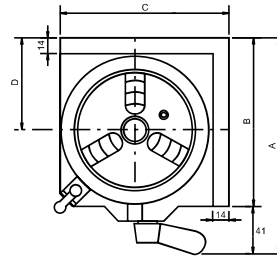


VIT-450~1200



	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

Economical Type Rapid Index



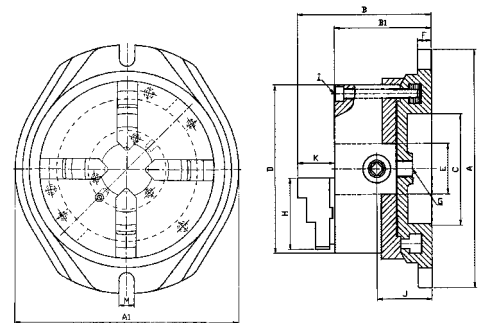
5C COLLET INDEXER
NON ECONOMICAL

- 3 JAW CHUCK VSC-4A, for VSI-4 / VSC-5A for VSI-5, the big range clamping capacity $\varnothing 3 - \varnothing 100$, it's better than collet fixing type.
- Simple & rapid operation.
- Dividual number 24-notch (15° each)
- Table scale 1° , for angular indexing.
- Table bore 30mm.
- Horizontal / vertical & 2 direction
- Suit for milling & drilling machine using.
- Optional: tailstock TS-1, Please see page A2

ORDER NO.	A	B	C	D	E	kgs	CODE NO.
VSI-4	187	146	146	80	135	10.5	1001-064
VSI-5	202	161	161	87	142	14.5	1001-065

Simple Rotary Chuck

NEW

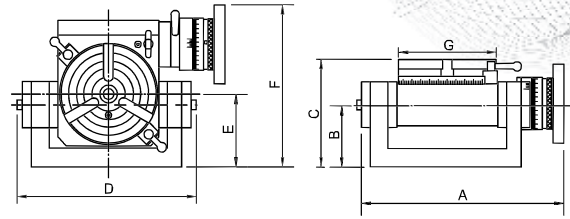


VSR-6 WITH VPS-6A CHUCK
VSR-8 WITH VPS-8A CHUCK

- 4-jaw chuck (include reversable and removable jaw) is designed with swivel base for multifunctional purpose.
- VERTEX simple rotary chuck can be placed and fixed on your desired position.
- 360° vernier scale: smooth swival motion and easy locking by screws.
- Both horizontal and vertical position could be used on milling and machining center.

ORDER NO.	A	A1	B	B1	C	D	F	G	H	I	J	K	M	kgs	CODE NO.
VSR-6	244.6	233.2	139.3	110.4	100	160	14.9	25	70.6	3-M8	69	28.9	14	17.9	1001-066
VSR-8	340	269.4	159	124.6	115	200	18.4	25	86	3-M10	75.7	34.4	18.4	30.4	1001-067

Universal Tilting Rotary Table



OPTIONAL: 1. TAILSTOCK

ORDER NO.	CODE NO.
TS-1	1001-022
TS-3	1001-024

2. DIVIDING PLATE

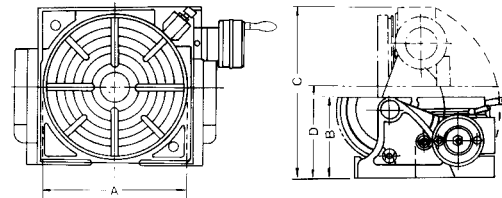
ORDER NO.	CODE NO.
*DP-1 for VU-100, 150	1001-030
*DP-2 for VU-200	1001-031

- Tilting range 0-90 degrees from horizontal to vertical position, It is high rigidity.
- Minimum Set-up time: It 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.....

ORDER NO.	A	B	C	D	E	F	G	SUITABLE TAILSTOCK	SUITABLE 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	429	111	177	432	141	283	205	TS-3	DP-2	50kgs/2.5	1001-013

Universal Tilting Rotary Table

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



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.)	102kgs
WEIGHT (N.W.)	99.5kgs

Special Accessories

1. DIVIDING PLATE DP-5
2. TAILSTOCK

TSU-2 ECONOMICAL TYPE

ORDER NO.	WEIGHT kgs	CODE NO.
TSU-2	12	1001-021



This is an accurate designed table for 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 that insures Rapid & Accurate Spacing.
- Minimum Set-Up time.
- Rugged Construction.

Hydraulic Machine Vise



PAT NO. 98202966



- New design: Adjustable pressure device.
- Suit for processing of brass, AL, plastic, steel.

- New design: lock proof system: prevent wrong clamping force sticks the vise.
- Ruggedly constructed for milling, drilling, shaping, grinding and many other machine shop applications.
- Sliding bed ways flame hardened and ground.
- Concealed spindle for protection against chips and dirt.
- Hydraulic-booster system for maximum clamping pressure with minimum force.
- Quick of clamping & locking and easy of operation.
- Accuracy within 0.02mm.
- Furnished with or without swivel base.
- Hydraulic-booster system is guaranteed for using 1 years limited.
- The hydraulic oil number is #68.
- For Hydraulic-booster trouble shooting, please see manual.

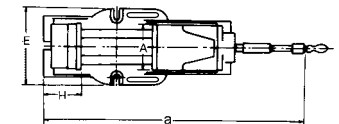
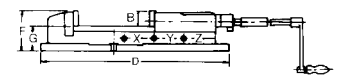


Hydraulic controller:
provide stable pressure,
hydro indexer.

Order No. & Dimensions

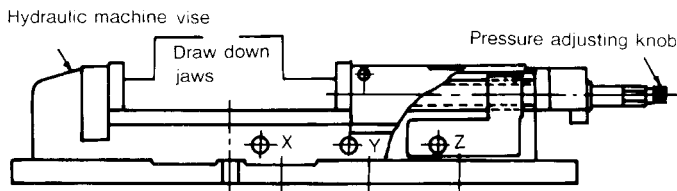
Unit:mm

ORDER NO.	A	B	C OPEN	a	D	E	F	G	H	Max. Clamp Force	G.W. (kg)	Meas CFT	CODE NO.
VH-4	105	36	170	525	440	170	95	58	95	2500kgs	(C)27.2	0.8	1002-001
VH-5	130	48	210	670	550	207	120	70.5	107	4500kgs	(C)47.4	1.5	1002-002
VH-6	150	53	300	800	620	225	135	82.5	117	4500kgs	(C)63	2.2	1002-003
VH-8	200	62	300	900	680	280	162	100	150	7500kgs	(W)106.6	3.6	1002-004

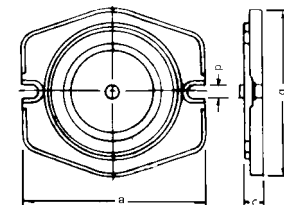


CLAMPING CAPACITY

(3 STEPS CLAMPING POSITION FIG)



Swivel base



Max. Opening Size Clamping Capacity

Unit:mm

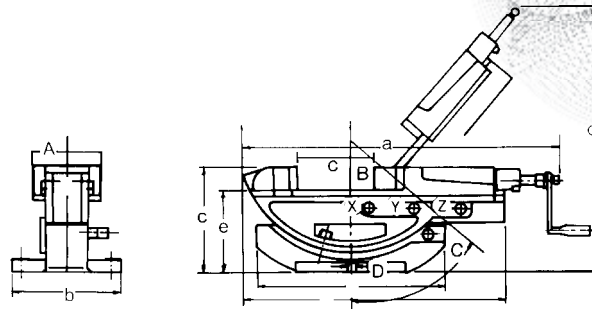
ORDER NO.	X	Y	Z
VH-4, VHT-4	0-60	57-115	110-170
VH-5	0-70	68-144	142-210
VH-6, VHT-6	0-100	95-200	195-300
VH-8	0-100	98-200	195-300

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



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

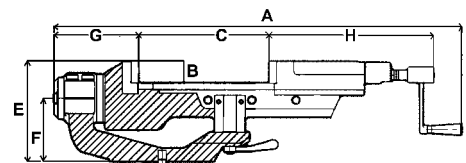
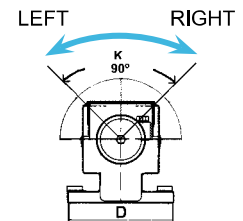
Unit:mm

ORDER NO.	A	B	θ	C OPEN	D	a	b	c	d	e	Max. Clamp Force	G.W. (kg)	Meas CFT	CODE NO.
VHT-4	105	36	50°	170	14	505	165	191	MAX. 450	155	2500kgs	(W)33.3	1.2	1002-020
VHT-6	150	53	50°	600	14	790	225	250	MAX. 580	197	4500kgs	(W)88	4.4	1002-021

Universal Tilting Hydraulic Machine Vise

PAT NO. 98202966

NEW



- NEW DESIGN: ADJUSTABLE PRESSURE DEVICE.
- SUIT FOR PROCESSING OF BRASS, AL, PLASTIC, STEEL.
- NEW DESIGN: SUPER OPEN JAW SIZE, SMALLEST OPEN JAW SIZE.
- LOCK PROOF SYSTEM: PREVENT WRONG CLAMPING FORCE STUCKS THE VISE.
- 45 DEGREE TILTING FUNCTION, ALLOW 90 DEGREE PROCESSING!
- TILTING FUNCTION HAS MORE WORK FREE ALLOWANCE WILL NOT BLOCK OR HIT MACHINE!
- LOWER OVERALL HEIGHT PROVIDES MORE SPACE FOR HEAVY CUTTING STABILITY AND BIGGER WORKPIECE!
- TILTING STRUCTURE HAS STRONG TIGHTENING DESIGN.
- ALL FUNCTION SAME AS VH SERIES. EXCEPT THE TILTING STRUCTURE.

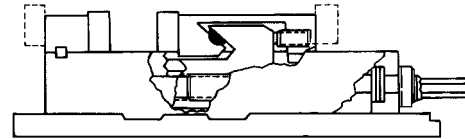
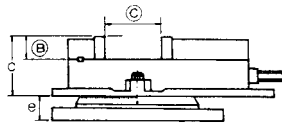
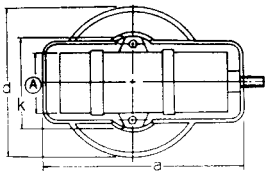
ORDER NO	A	B	C OPEN	D	E	F	G	H	i	j	K MAX. degree	CODE NO.
VHT-4U	653	36	170	ø162	165	104	169	263	141	80	90°	1002-025
VHT-6U	942	51	300	ø242	231	145	196	380	199	125	90°	1002-026

Ang-Fixed Milling Vise



VD-675, VA-8L is NEW
 VD-675 6" opened 7 1/2"
 VA-8L 8" opened 10 1/4"

VA-8L



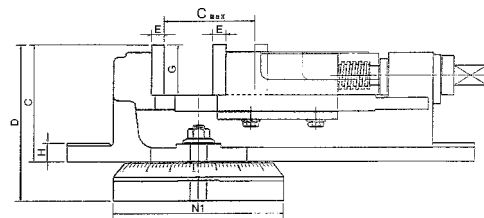
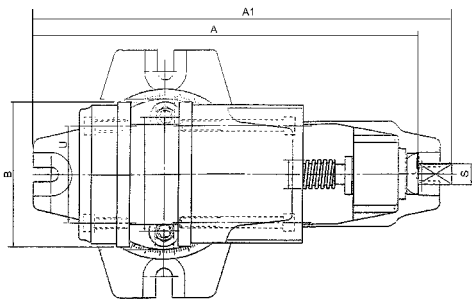
- The enclosed lead screw and sliding surface are harden and ground.
- Highest clamping power. It's very accurate and durable.
- This Vise is so designed that the horizontal Force generated by tightening the handle pushes the semisphere within the movable jaw and thus thrusts the movable jaw downward.
- There fore, the workpiece does not lift, even if it is held at the top of the jaw plates.
- Four setting positions of the jaw plates are available, widening the jaw plates opening.
- The new VD675, VA-8L 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%
- ACCURACE WITHIN 0.02mm

Order No. & Dimensions

Unit:mm/inches

ORDER NO.	A	B	C OPEN	a	k	c	d	e	f	Gross weight kg		Meas. CFT	CODE NO.
										plain	with swivel base		
VA-4	102 4 1/64	36 1 27/64	103 4 1/16	325 12 13/16	165 6 1/2	96 3 25/32	243 9 9/16	31 1 7/32	6 1/4	16 36	(C)20.4	0.5	1002-030
VA-5	131 5 5/32	36 1 13/32	110 4 21/64	357 14 1/16	193 7 5/8	101 3 31/32	278 11	32 1 3/4	7 5/16	25 55	(C)29.7	0.9	1002-031
VA-6	152 6	46 2	142 5 9/32	418 16 7/16	209 8 1/4	119 4 11/16	328 12 29/32	39 1 7/32	9 3/8	36 80	(C)42.6	1.5	1002-032
VA-8	200 7 7/8	62 2 7/16	197 7 3/4	548 21 9/16	295 11 5/8	147 5 13/16	416 16 3/8	45 1 25/32	11 7/16	70 155	(W)80.8	2.7	1002-033
VD-675	152 6	38 1 1/2	190 7 1/2	552 21 3/4	295 11 5/8	134 5 5/16	381 15	47 1 7/8	11 7/16	37 82	(C)45.6	1.5	1002-034
VA-8L	203 8	60 2 3/8	260 10 1/4	596 23 1/2	203 8	148 5 13/16	330 13	40 1 1/2		72 155	(W)71.6	2.7	1002-035

K-Type Milling Vise



- It's a practical piece of equipment with excellent precision and a high quality finished.
- Body, movable jaw and swivel base made of closes-grained high tensile iron castings. Built for heavy duty machining and retained accuracy.
- Jaw plates were made of hardened and grounded tool steel.
- It's the most suitable for the Milling, Grinding and Drilling.
- ACCURACE WITHIN 0.02mm

Order No. & Dimensions

Unit:mm

ORDER NO.	A	A1	B	c	D	E	C OPEN	G	H	N1	Q	S □	U	G.W. (kg)	Meas CFT	CODE NO.
VK-4	280	310	102	84	113	9	62	36	14	123	11	15	68	(C)10	0.2	1002-040
VK-5	355	380	131	96	130	9	80	36	16	148	12	15	80	(C)16.6	0.5	1002.041
VK-6	435	470	152	107	150	9	112	42	18	182	13	17	90	(C)27.8	1.1	1002-042
VK-8	560	600	204	148	191	13	146	62	24	233	18	21	120	(C)56	1.5	1002-043

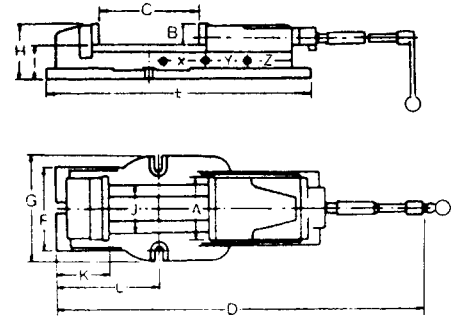
Super Open Vise



MECHANICAL TYPE



VJ-600



Order No. & Dimensions

Unit:mm

EXCEPT THE HYDRAULIC SYSTEM,
THE FEATURE IS SAME AS VH-TYPE
ACCURACE WITHIN 0.02mm

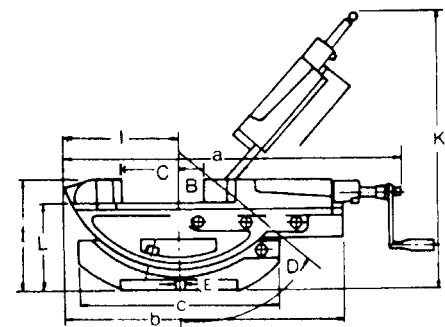
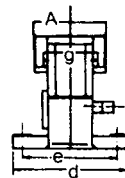
VJ-400 JAW OPENED 185mm
VJ-500 JAW OPENED 245mm
VJ-600 JAW OPENED 305mm

ORDER NO.	A	B	C OPEN	D	E	F	G	H	I	J	K	L	G.W. (kg)	Meas CFT	CODE NO.
VJ-400	110	37	185	522	440	133	168	94	58	80	97	150	(C) 24.8	0.8	1002-050
VJ-500	130	48	245	580	455	168	192	114	65	97	75	157	(C) 33.4	1.5	1002-051
VJ-600	154	54	305	695	540	186	200	131	78	116	90	182	(C) 46.1	2.2	1002-052

2-Way Angle Milling Vise

VWT-4

VWT-6



Order No. & Dimensions

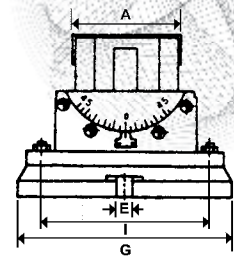
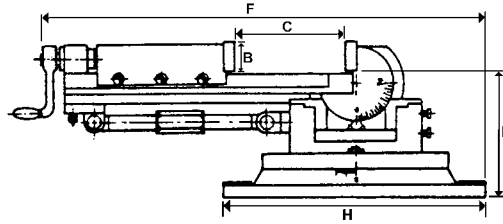
Unit:mm

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

VWT-4 JAW OPENED 100mm
VWT-6 JAW OPENED 300mm

ORDER NO.	A	B	C OPEN	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) 22.6	1.2	1002-060
VWT-6	154	51	300	50	16	801	585	415	237	121	241	186	(W) 79.7	4.4	1002-061

3-Way Angle Milling Vise



- 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.
- Tilting of any angle all keep the workpiece steady, smooth.
- Particularly the clamping part of screw is strengthened by a bush made of gunmetal.

Specifications

Unit:mm

ORDER NO.	A	B	C OPEN	D	E	F	G	H	I	Total Height	Gross Weight kg	Meas CFT	CODE NO.
VW-3	82	30	85	125	14	400	185	240	210	475	(C)16.7	0.7	1002-080
VW-4	110	38	116	140	16	530	238	317	280	595	(C)32.7	1.2	1002-081
VW-5	135	38	145	167	18	620	270	357	320	690	(W)49.4	1.6	1002-082

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.	Jaw		C Max. opening	Alignment slot	Height	L x W x H (OVERALL)	Weight (kgs)	Packing	CODE NO.
	Width	Height							
VWT-5	125	46	100	16	160mm	410x315x160	31.7	420x315x280	1002-090
VWT-6A	160	51	120	16	195mm	430x320x195	47	510x365x240	1002-091

Quick Bench Vise

ORDER NO.VQS-40 CODE NO.1002-096

NEW



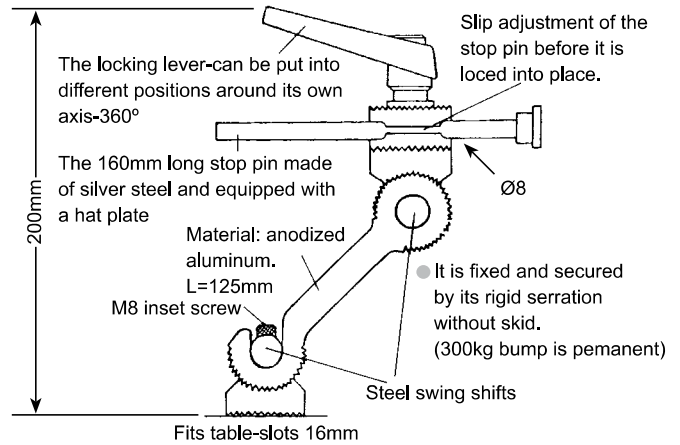
- Hardened & Ground Jaw
- Jaw Width 100 m/m
- Jaw Height 29 m/m
- Opened Capacity 100 m/m
- 8 m/m Distance of Quick Clamping System
- Can Be Move By Handle & By Quick Action Arm

U/N Work Stopper



NON TEETH TYPE
ORDER NO. VWS-123
CODE NO. 1002-105
WEIGHT: 0.9kg

ORDER NO. VWS-125
CODE NO. 1002-106
WEIGHT: 1.1kg



Universal Vise Jaws With Work Stopper

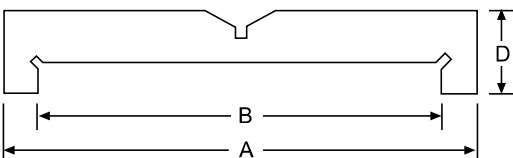
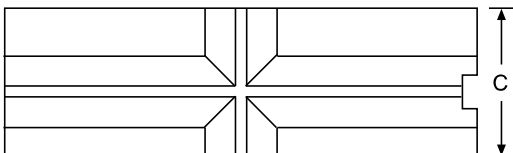


Unit:mm

ORDER NO.	A	B	C	D	WEIGHT kgs	CODE NO.
VWSJ-4	145	110	49	38	1.6	1002-170
VWSJ-5	175	140	49	39	1.7	1002-171
VWSJ-6	190	160	53	40	2	1002-172
VWSJ-8	245	210	76	42	4.2	1002-173

ORDER NO. VWSJ-4, 5, 6, 8

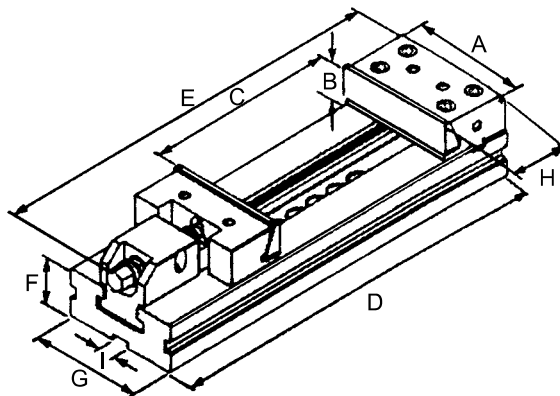
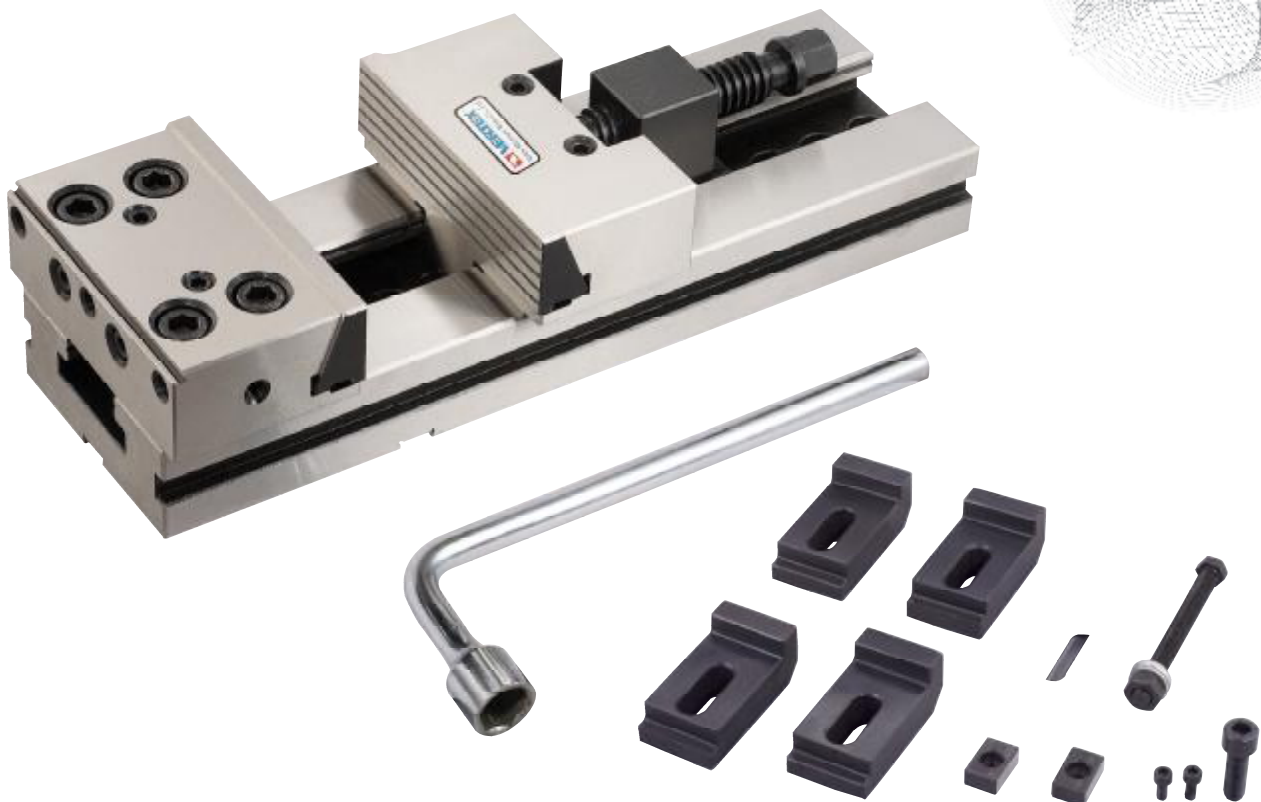
- Can be fixed on any vise jaw by the two screws on the side.
- One jaw in multiple- function features.
- V-type jaw can fix workpiece at horizontal and vertical position.
- Can be performed as work stopper.
- Quick, save your time.



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

4 FOR THE JAW WIDTH 100-105m/m
 5 FOR THE JAW WIDTH 125-130m/m
 6 FOR THE JAW WIDTH 150-160m/m
 8 FOR THE JAW WIDTH 200-210m/m

Modular Precision Machine Vises



Features

- High Accuracy 0.01/100 m/m
- Unlimited Clamping Range
- High Quality Alloy Steel with HRC 59
- High Clamping Pressure
- EACH ONE IS SAME AS HEIGHT.
- CAN BE USED IN MULTIPLE STYLE.
- No Length of Height Limitation
- No Jaw Lift
- Low Profile
- All Vises are Matched parallelism $\pm 0.01/100$ m/m
- Optional=Swivel base

ORDER NO.	VMP -4	VMP -5	VMP -6	VMP -6B	VMP -6C	VMP -7A	VMP -7B	VMP -7C	VMP -8A	VMP -8B	VMP -8C	VMP -8D	VMP -12C	VMP -12E
A	100	125	150	150	150	175	175	175	200	200	200	200	300	300
B	30	40	50	50	50	60	60	60	65	65	65	65	80	80
C OPEN	100	150	200	300	400	200	300	400	200	300	400	500	400	600
D	270	345	420	520	620	455	555	655	573	595	695	795	735	935
E	325	146	530	600	700	620	620	620	718	718	718	880	830	1030
F	35	40	50	50	50	58	58	58	70	70	70	70	78	78
G	75	96	125	125	125	145	145	145	170	170	170	170	195	195
H	78	78	90	89.4	89.4	97	97	97	114	114	114	113.4	120.4	120.4
I	16	16	16	16	16	16	16	16	16	16	16	16	16	16
KG	9.2	16	28.5	34.8	38.1	43.7	48.3	53.5	66.3	73.2	81.3	87.2	125	143
CODE NO.	1002-190	1002-191	1002-192	1002-201	1002-202	1002-193	1002-194	1002-195	1002-196	1002-197	1002-198	1002-203	1002-204	1002-205



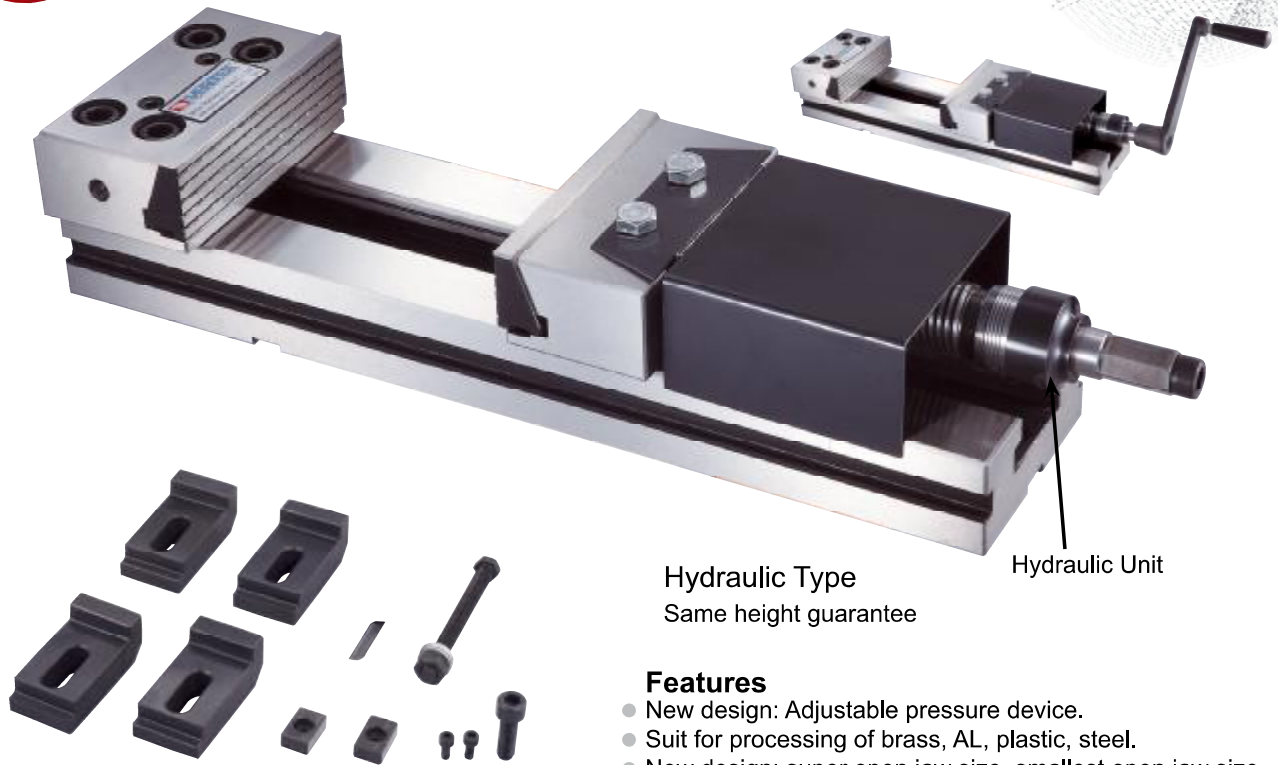
Modular Precision Hydraulic Machine Vises



VERTEX®

PAT NO. 98202966

NEW

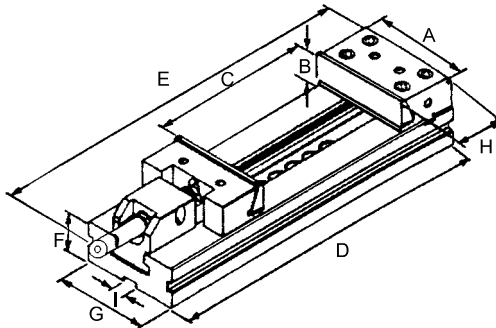


Hydraulic Type
Same height guarantee

Hydraulic Unit

Features

- New design: Adjustable pressure device.
- Suit for processing of brass, AL, plastic, steel.
- New design: super open jaw size, smallest open jaw size.
lock proof system: prevent wrong clamping force sticks the vise.
- Hydraulic clamping force 4500kg for heavy duty cutting.
The screw mechanism type clamping force is 2200 kgs
- Smooth & light operation for the handle.
- High accuracy 0.01/100 m/m
- Unlimited clamping range
- High quality alloy steel with HRC 59
- High clamping pressure
- Eachone is same as height.
- Can be used in multiple style.
- No length of height limitation
- No jaw lift
- Low profile
- All vises are matched parallelism $\pm 0.01/100$ m/m

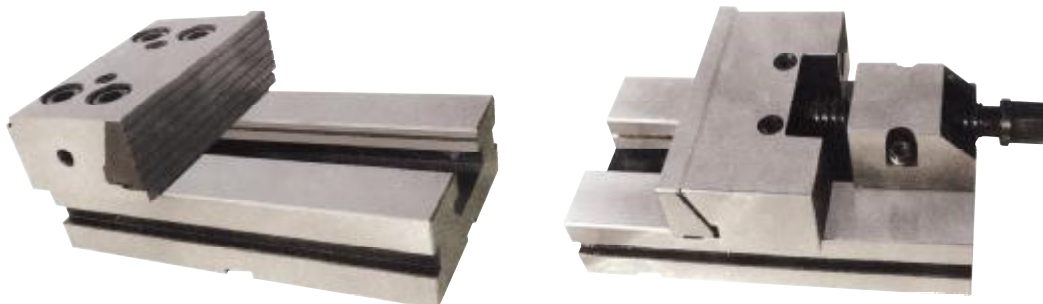


ORDER NO.	VMP -6BH	VMP -6CH	VMP -7AH	VMP -7BH	VMP -7CH	VMP -8AH	VMP -8BH	VMP -8CH	VMP -8DH	VMP-12CH	VMP -12EH
A	150	150	175	175	175	200	200	200	200	300	300
B	50	50	60	60	60	65	65	65	65	80	80
C OPEN	300	400	200	300	400	200	300	400	500	400	600
D	520	620	455	555	655	573	595	695	795	735	935
E	800	900	820	820	820	918	918	918	1080	1030	1230
F	50	50	58	58	58	70	70	70	70	78	78
G	125	125	145	145	145	170	170	170	170	195	195
H	89.4	89.4	97	97	97	114	114	114	113.4	120.4	120.4
I	16	16	16	16	16	16	16	16	16	16	16
KG	29	33	38	43	48	65	69	74	79	115	135
CODE NO.	1002-201H	1002-202H	1002-193H	1002-194H	1002-195H	1002-196H	1002-197H	1002-198H	1002-203H	1002-204H	1002-205H

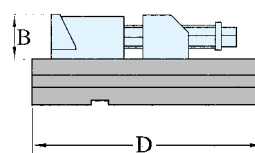
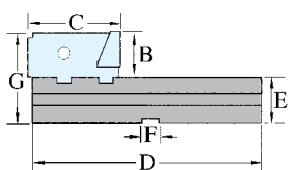
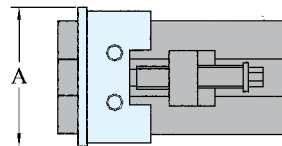
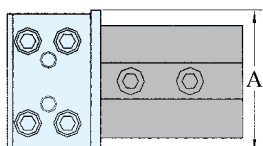
Modular Machine Free Vise



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.



Free head stock & fixed stock can for large wider workpiece use.



ORDER NO.	VMP-4L	VMP-5L	VMP-6L	VMP-7L
A	100	125	150	175
B	30	40	50	60
C	78	78	90	97
D	140	160	230	240
E	35	40	50	58
F	16	16	16	16
G	65	80	100	118
CODE NO.	1002-206	1002-207	1002-208	1002-209

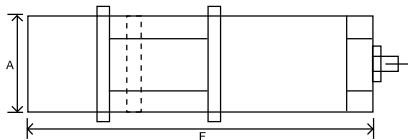
Lock-Fixed II Precision Machine Vise



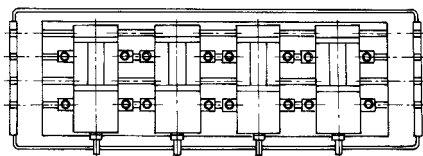
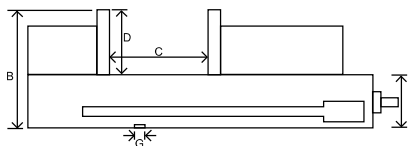
ORDER NO.
VMC-4
VMC-6



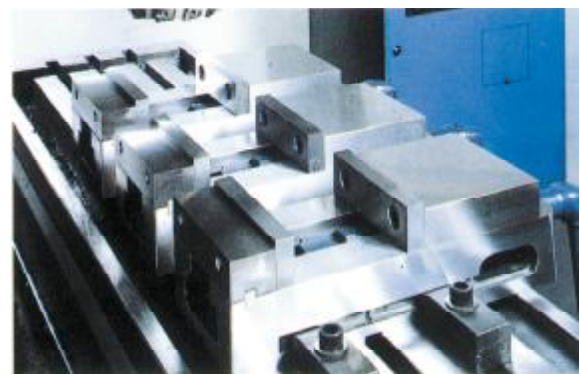
- With the ability of lock-fixed III 2, 3, 4, 5.
- Use the semi-sphere segment principle.
- When operate several vises (in a row) put on one machine bed, the operating situation is showed as below:



Performed sided vertically.



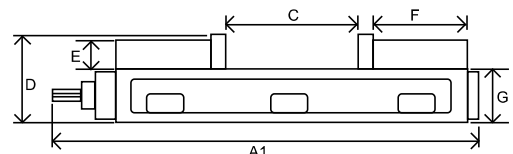
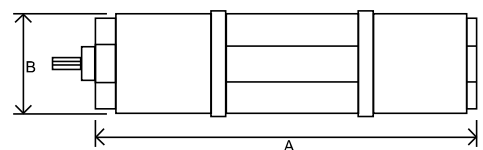
Performed jointly.



ORDER NO.	A	B	C OPEN	D	E	F	G	MEAS CUFT	WEIGHT (kg)	CODE NO.
VMC-4	108	100	100	37	63	285	16	0.4	14.2	1002-185
VMC-6	156	120	142	46	74	368	16	1.1	29.8	1002-186

Compound Precision Vise

NEW



- Self centering. Suit for rough or irregular workpiece.
 - Compact design
 - High Accuracy
 - Super open capacity
 - Suitable for irregular workpiece.
- Rapid and convenient centralizing.

ORDER NO.	A	A1	B	C OPEN	D	E	F	G	kgs	CODE NO.
VCV-44	415	462	102	195	95	30	102	60	17.7	1002-240

Hydraulic Machine Vise

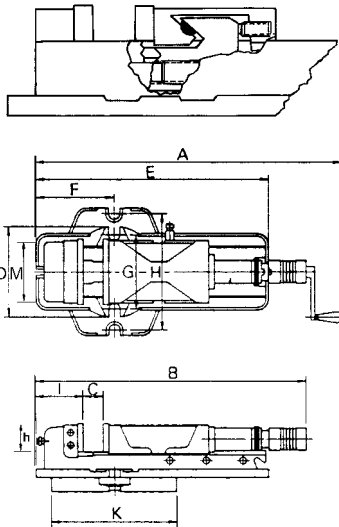


Build Out Type



Features

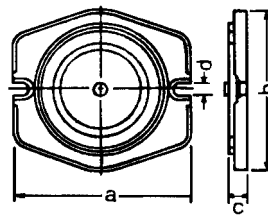
- Rigid material-vise body of ductile iron FCD 60JIS (equal to GGG 60) with 60 kgs/mm² or 80,000 psi tensile strength.
- Vise bed flame hardened to HRC 45 and up, takes up wear and maintain accuracy for long.
- For multiple use plural vises are available on tolerance of 0.01mm in the height of vise bed and in alignment of the clamping surface of the vise jaw at extra cost.
- Mechanical/hydraulic spindle without original clutch mechanism.
- Down thrust "Semi-sphere Segment" mechanism-eliminates jaw lifting and work flitting.
- All surface ground.



Unit:mm

ORDER NO.	A	B	C OPEN	D	E	F	G	H	I	K	M	h	CLAMPING FORCE	N.W. kgs	CODE NO.
VHO-5	695 920	570 795	0-220	190	505	180	160	250	105	260	130	55	3500kg	36.5	1002-220
VHO-6	750 1060	625 935	0-300	240	625	208	196	300	125	320	160	58	4000kg	59.1	1002-221
VHO-8	830 1140	725 1035	0-310	280	700	265	240	360	165	365	200	63	6000kg	94.3	1002-228

Swivel Base Optional



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

Double Clamp Vise

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



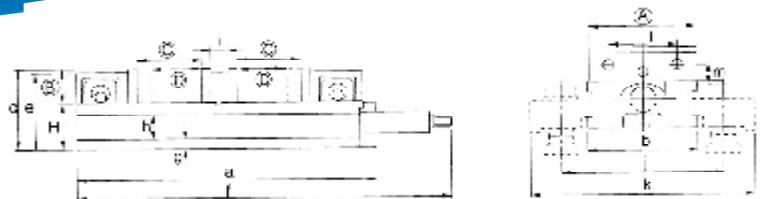
HIGH & EXCELLENT RIGIDITY.

The vise is made of FCD. 80000 PSI (55 kg/cm²) Ductile iron, and the slide ways are hardened to HRC45. The rigid construction prevents the base from distortion. Precision made to high accuracy standard.

- The movable jaws provide alignment to workpiece without jaw lifting.
- The height of jaw plate is 30% higher than the other vise with the same size.
- There are 6 kinds of clamping ways to meet workpieces of different shapes and sizes.

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.



Unit:mm

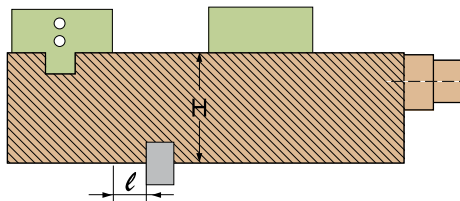
ORDER NO.	A	B	C OPEN	D	a	b	c	H	e	f	g	h	i	j	k	l	m	Guide Block	Weight (kgs)	CODE NO.
VMC-6D	152	58	34-102	0-68	495	154	140	90	135	610	18	46	30	165	220	98.4	31.8	18	62.1	4005-021



NEW

**Great Capacity, Wide Clamping Range
Constant Full Length**

- **Ultra clamping length more than other VMC-vise**
- Big jaw opening.
- Easy operation, compact design.
- Even if the jaw is opened, it does not interfere with the cover of the mounting machine.
- Quick set up, time saving.



H-Accurance 0.01mm
l-Accurance 0.01mm

SAME HEIGHT GUARANTEE

Flexible Clamp System

- High precision system keep the dimension tolerance within 0.01/100mm.
- Vise clamps long size workpieces securely & steady.

High power & fine balanced body structure stable clamping force

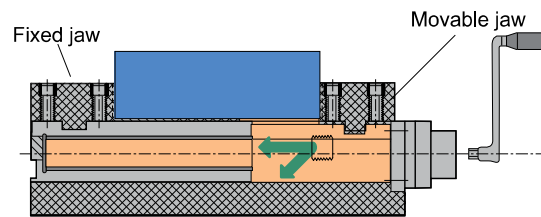
- The clamping force can be easily adjusted due to the preset mechanism.
- Mechanical type toggle enhancement mechanism.
- Clamping force can adjust to suit for different material, such as steel, brass and aluminum



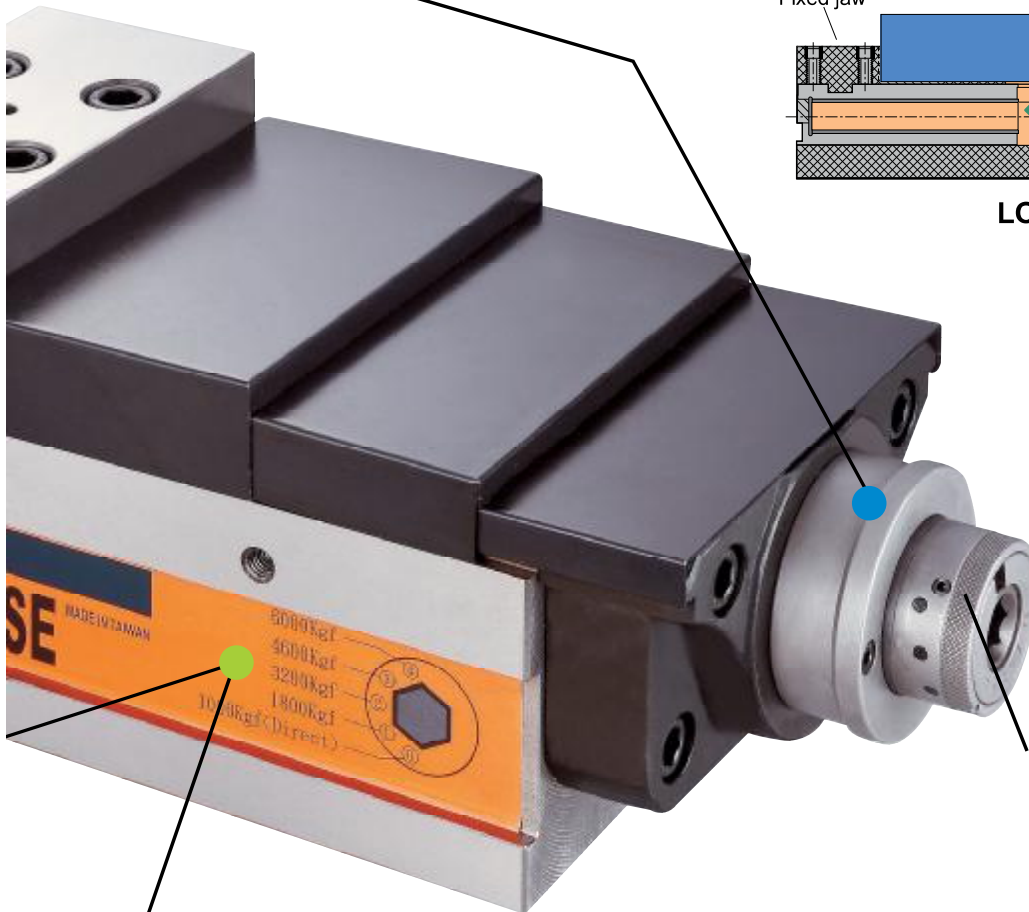
Now to adjust the clamping force

MC Power vises guarantee the lifting of workpiece is within of 0.02/100mm.

- Adapt a blinding beam system with workpiece lift
- prevention mechanism. Pull-in effect.



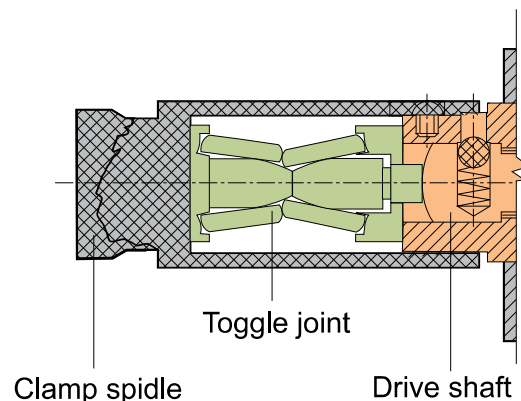
LOCK DOWN DESIGN



CLAMPING FORCE ADJUSTABLE DESIGN

Toggle joint mechanism.

- **One of the best vise mechanism design**
- After the moveble jaw touch,turning the handle, onl the drive shaft is transmitted to the enhancement process of toggle joint mechanism unit and the movable jaw clamps the work through the clamp spindle at the preset force.



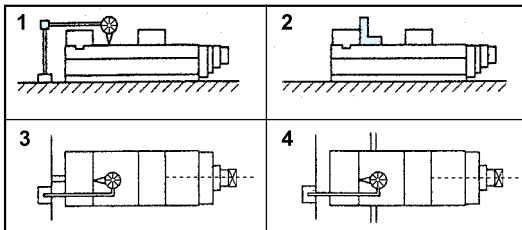


**TOGGLE JOINT MECHANISM
DESIGN FOR HEAVY DUTY
WORKING**

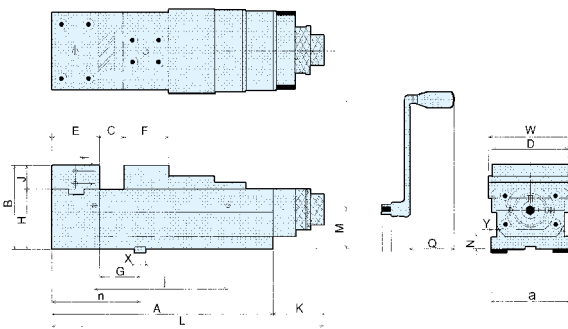
Features

- Compact design. Great clamping capacity & rigid.
- "Toggle joint mechanism". 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.
- Strong clamping force.
- Large jaw stroke range.
- Exclusive Power Vise provide same height same position for horizontal and vertical MC, NC, Machine.
- Body is made of FCD60 high quality ductile cast iron, resists deflection or bending.
- Sliding bed ways flame hardened and ground.
- Concealed spindle for protection against chips and dirt.
- Quick of clamping & locking and easy of operation.

INSPECTION SPECIFICATION



NO.	Inspection Item	Per (100mm)	Guaranteed
1	Parallelism: running face to bottom of bed.		0.01/100mm
2	Squareness :between running face and jaw plate.		0.02/100mm
3	Squareness: keways on bottom of bed to jaw plate.		0.02/100mm
4	Parallelism: running face of the test block to bottom of bed.		0.02/100mm



L TYPE IS ULTRA OPEN TYPE

ORDER NO.	JAW H	JAW Open Z	H	MAX. Clamping Force (KN)	G.W. kg
VQX-125	40	205	140	40	40.4
VQX-160	50	275	165	60	72.3
VQX-160L	50	355	165	60	64
VQX-200L	70	405	190	60	108

ORDER NO.	A	B	a	D	E	F	G	H	J	K	L
VQX-125	365	140	126	124.5	78	74	66	100	40	86.5	451.5
VQX-160	455	165	161	159.5	86	86	58	120	45	98.5	553.5
VQX-160L	535	160	162	160	86	86	58	115	45	98.5	633.5
VQX-200L	615	180	202	200	102	98	74	110	70	95	710

ORDER NO.	M	N	Q	W	X	Y	C OPEN	f	j	n	CODE NO.
VQX-125	65	21	73	135	18	7	205	20	215	145	4005-005
VQX-160	78	21	93	170	18	7	275	20	285	145	4005-006
VQX-160L	78	21	93	174	18	7	355	20	285	145	4005-007
VQX-200L	75	21	95	217	18	7	405	20	385	177	4005-008



CLAMPING FORCE CHART

ORDER NO.	SCALE				
	4	3	2	1	0
VQX-125	-	40KN	28KN	16KN	8KN
VQX-160	60KN	46KN	32KN	18KN	10KN
VQX-160L	60KN	45KN	32KN	20KN	10KN
VQX-200L	60KN	45KN	32KN	20KN	10KN

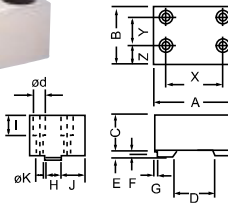
ADJUSTING METHOD
 1. FIXED COLLOR
 2. TURN BY WENCH TO GET NO.
 1, 2, 3, 4.

OPTIONAL:

FJ



Fixed side



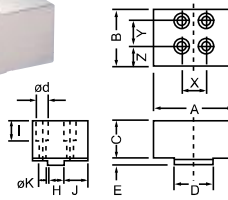
FIXED JAW

ORDER NO.	A	B	C	D	E	F	G	X	Y	Z	I	J	K	H	ød	CODE NO.
VQX-125FJ	124.5	91	60	63	8	7.7	6	88	45	29.5	33.5	40	13	24	19	4005-014
VQX-160FJ	159.5	102	60	84	9	-	-	124	50	34	30	45	15	28	22	4005-015
VQX-160L-FJ	159.5	102	60	84	9	-	-	124	50	34	30	45	15	28	22	4005-016

MJ



Movable side



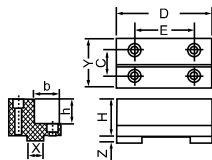
MOVEABLE JAW

ORDER NO.	A	B	C	D	E	X	Y	Z	I	J	K	H	ød	CODE NO.
VQX-125MJ	124.5	87	60	59.5	8	35	42	29	33.5	38	13	24	13	4005-017
VQX-160MJ	159.5	102	60	80.5	9	56	50	34	30	45	15	28	15	4005-018
VQX-160L-MJ	159.5	102	60	80.5	9	56	50	34	30	45	15	28	15	4005-019



VQX-160 WITH L TYPE FIXED JAW & MOVEABLE JAW

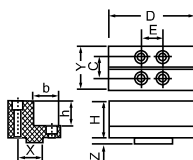
FJL



L TYPE FIXED JAW

ORDER NO.	X	Y	b	Z	C	E	H	h	D	CODE NO.
VQX-125FJL	24	78	39	8	42	88	50	32	125	4005-008A
VQX-160FJL	28	86	43	9	50	124	60	40	160	4005-009
VQX-160L-FJL	28	86	50	9	62	140	85	61	160	4005-010

MJL



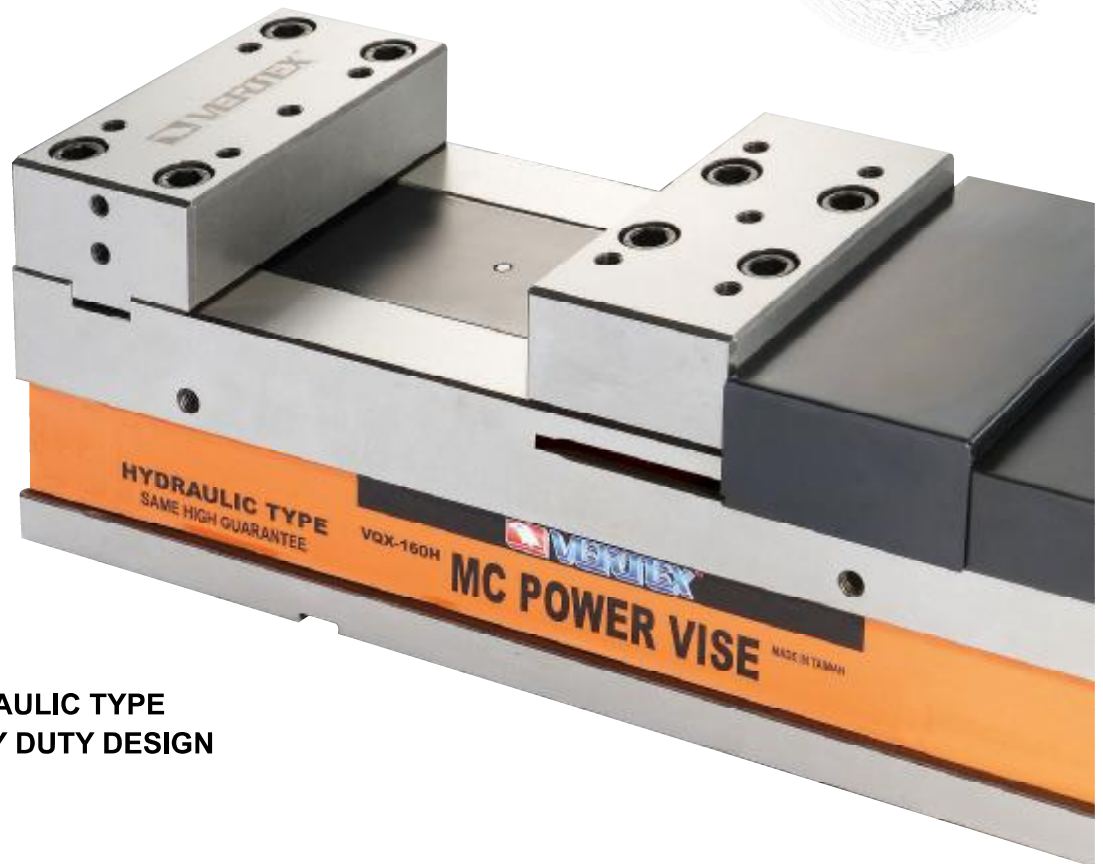
L TYPE MOVEABLE JAW

ORDER NO.	X	Y	b	Z	C	E	H	h	D	CODE NO.
VQX-125MJL	24	78	39	8	42	35	50	30	125	4005-011
VQX-160MJL	28	86	43	9	50	56	60	40	160	4005-012
VQX-160L-MJL	28	100	50	9	59	62	85	61	200	4005-013

MC Power Vise Hydraulic Type



NEW

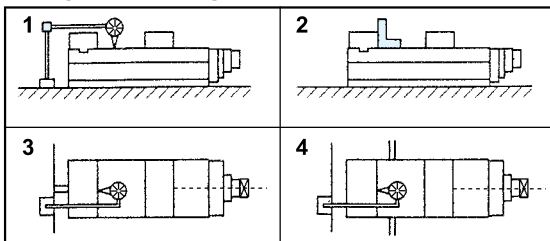


**HYDRAULIC TYPE
HEAVY DUTY DESIGN**

Features

- Compact design. Great clamping capacity & rigid. Light & smooth operation.
- Constructed for milling, drilling, machining center, grinding and many other machine shop applications.
- Body is made of FCD60 ductile cast iron, HIGH deflection/bending resistant.
- Sliding bed ways flame hardened and ground.
- Concealed spindle for protection against chips and dirt.
- Hydra-booster system for maximum clamping pressure with minimum force.
- Quick of clamping & locking and easy of operation.
- Accuracy within 0.01/100mm.
- Hydra-booster system is guaranteed for using 2 years limited.
- The hydraulic oil number is 68#

AA GRADE VISE



INSPECTION SPECIFICATION

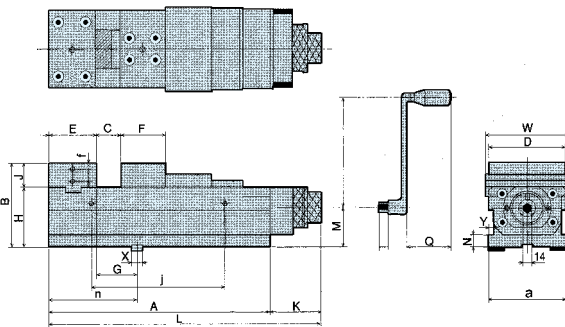
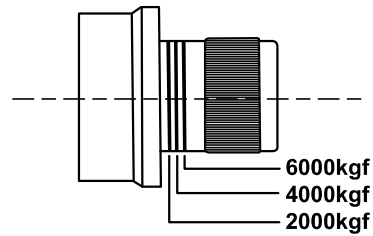
NO.	Inspection Item	Per (100mm)	Guaranteed
1	Parallelism: running face to bottom of bed.		0.01/100mm
2	Squareness :between running face and jaw plate.		0.02/100mm
3	Squareness: keyways on bottom of bed to jaw plate.		0.02/100mm
4	Parallelism: running face of the test block to bottom of bed.		0.02/100mm

MC Power Vise Hydraulic Type



COMPACT DESIGN-
SMALL LENGTH BODY BUT
SUPER OPEN CAPACITY

HYDRAULIC UNIT-
GREAT SMOOTH OPERATION



ORDER NO.	JAW H	JAW Open Z	H	MAX. Clamping Force (8#KN)	G.W. kg
VQX-125H	40	205	140	40	42.5
VQX-160H	50	275	165	60	66
VQX-160LH	50	365	165	60	64
VQX-200LH	70	405	190	60	108

ORDER NO.	A	B	a	D	E	F	G	H	J	K	L
VQX-125H	365	140	126	124.5	78	74	66	100	40	113.5	478.5
VQX-160H	455	165	161	159.5	86	86	58	120	45	125.5	580.5
VQX-160LH	535	160	162	160	86	86	58	115	45	125.5	660.5
VQX-200LH	615	180	202	200	102	98	74	110	70	122	737

ORDER NO.	M	N	Q	W	X	Y	C OPEN	f	j	n	CODE NO.
VQX-125H	65	21	73	135	18	7	205	20	215	145	4005-005H
VQX-160H	78	21	93	170	18	7	275	20	285	145	4005-006H
VQX-160LH	78	21	93	174	18	7	355	20	285	145	4005-007H
VQX-200LH	75	21	95	217	18	7	405	20	385	177	4006-007AH

NEW



FOR HEAVY DUTY WORKING



Same height guarantee toggle joint type & hydraulic type the size same as VQX-system Page A23 & A26.

UPRIGHT TYPE

ORDER NO.	NUMBER VISE	CODE NO.
VQX-125U2	2 NO. TOGGLE JOINT TYPE	4005-040
VQX-125U4	4 NO. TOGGLE JOINT TYPE	4005-041
VQX-125HU2	2NO. HYDRAULIC TYPE	4005-042
VQX-125HU4	4 NO. HYDRAULIC TYPE	4005-043
VQX-160U2	2NO. TOGGLE JOINT TYPE	4005-044
VQX-160U4	4 NO. TOGGLE JOINT TYPE	4005-045
VQX-160LU2	2 NO. LONG WITH TOGGLE JOINT TYPE	4005-046
VQX-160LU4	4 NO. LONG WITH TOGGLE JOINT TYPE	4005-047
VQX-160HU2	2NO. HYDRAULIC TYPE	4005-048
VQX-160HU4	4 NO. HYDRAULIC TYPE	4005-049
VQX-160LH2	2NO. LONG WITH HYDRAULIC TYPE	4005-050
VQX-160LH4	4 NO. LONG WITH HYDRAULIC TYPE	4005-051
VQX-200L2	2NO. LONG WITH TOGGLE JOINT TYPE	4005-052
VQX-200L4	4 NO. LONG WITH TOGGLE JOINT TYPE	4005-053
VQX-200LH2	2NO. LONG WITH HYDRAULIC TYPE	4005-054
VQX-200LH4	4 NO. LONG WITH HYDRAULIC TYPE	4005-055

Combination MC Power Free Vise



NEW



VQX-125FV
TOGGLE JOINT POWER FORCE TYPE



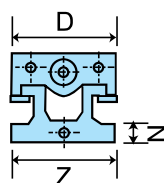
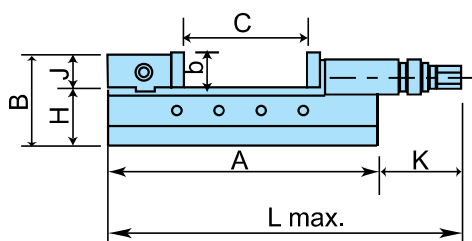
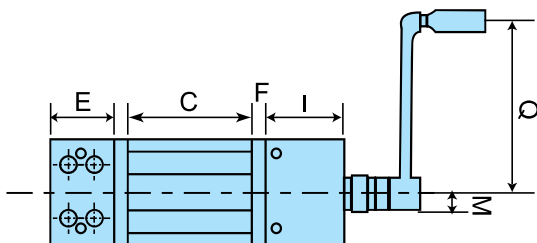
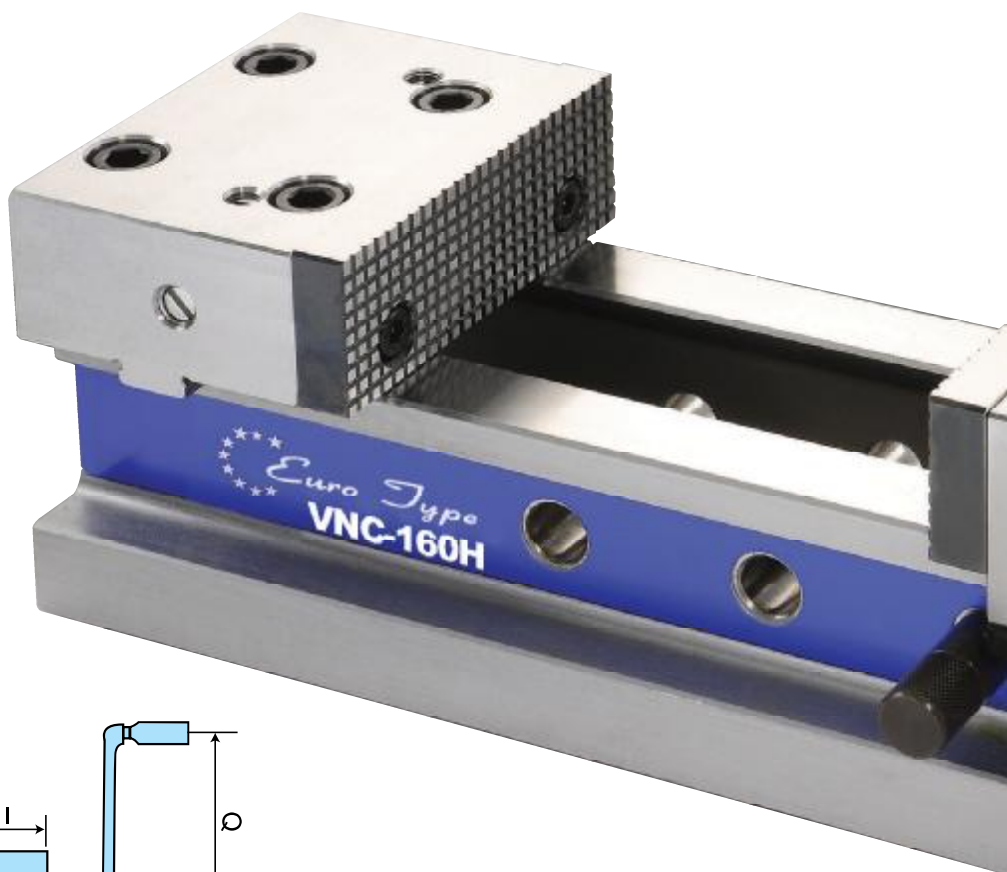
VQX-125HFV
HYDRAULIC TYPE



- Heavy duty, high accuracy.
- Free style clamping, for large workpiece.
- Rigidity design, easy setting.

ORDER NO.	JAW WIDTH	JAW HEIGHT	BASE HEIGHT	GUIDE BLOCK	JAW STROKE	CLAMPING FORCE	CODE NO.
VQX-125FV	125	40	100	18	65	40KN	4005-066
VQX-125HFV	125	40	100	18	65	40KN	4005-067
VQX-160FV	275	50	120	18	70	60KN	4005-068
VQX-160HFV	275	50	120	18	70	60KN	4005-069

NEW



ORDER NO.	MAX. OPENED C	Clamping force KN	L MAX. mm	A	B	D	E	F	b	H	J	N	I	Z	weight kgs	CODE NO.
VNC-100H	205	25	464	380	103.5	99.6	67	13	34	70	33.5	24	133	100	19	4005-100
VNC-125H	225	40	556	432	126	124.6	85	15	45	82	44	27	147	125	32	4005-101
VNC-160H	309	50	684	550	148	159.6	102	18	54	95	53	27	189	160	59	4005-102
VNC-160LH	509	50	884		148	159.6	102	18	54	95	53	27	189		76	4005-103



Features

- Hydro-booster system for maximum clamping pressure with minimum force.
- Sliding bed ways flame hardened and ground.
- Compact design. Great clamping capacity. Light & smooth operation.
- Body is made of FCD60 ductile cast iron, High deflection/bending resistant.
- Constructed for machining center, milling, drilling, grinding and many other machine shop applications.



Precision Pneumatic Ang-Fixed Power Vise

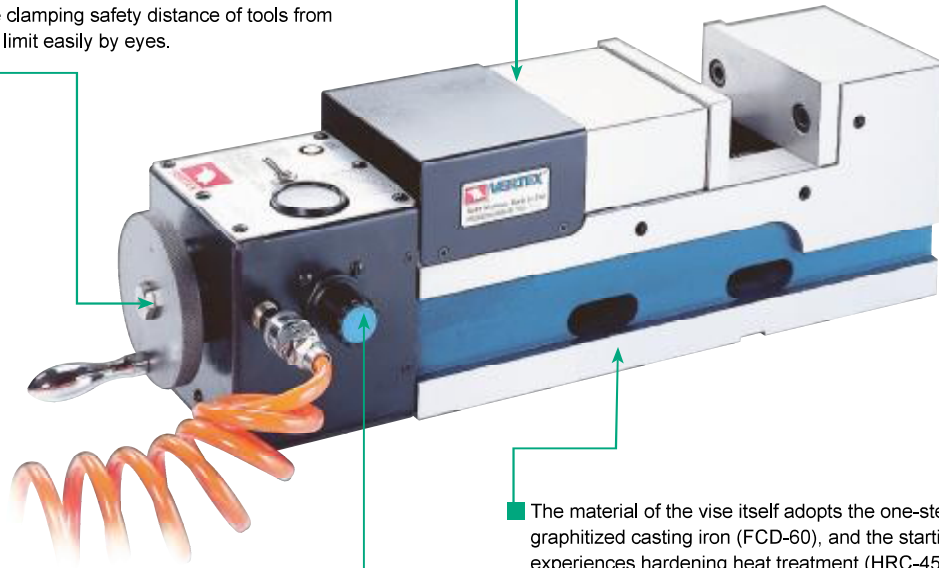


Suitable for mass production and to be used on machine centers, milling machines, drilling machines and special purpose machines.



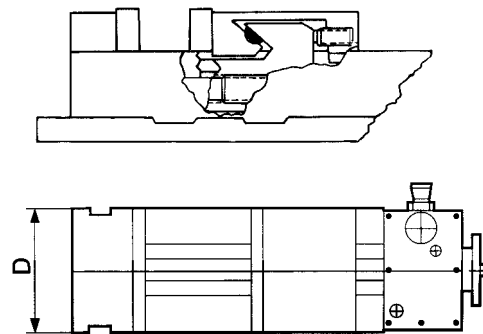
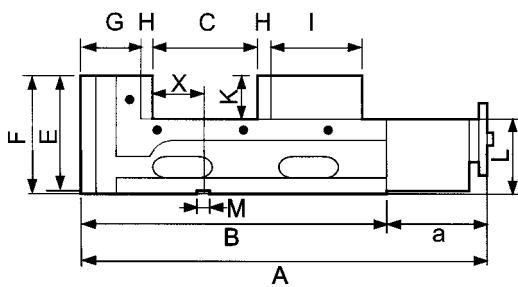
The greatest safety distance of clamping:
The switch speed is only 1.5 seconds, and the safety distance of clamping can be up to 8mm. We design the hand wheel safety line in addition for anyone to distinguish the clamping safety distance of tools from exceeding the limit easily by eyes.

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.

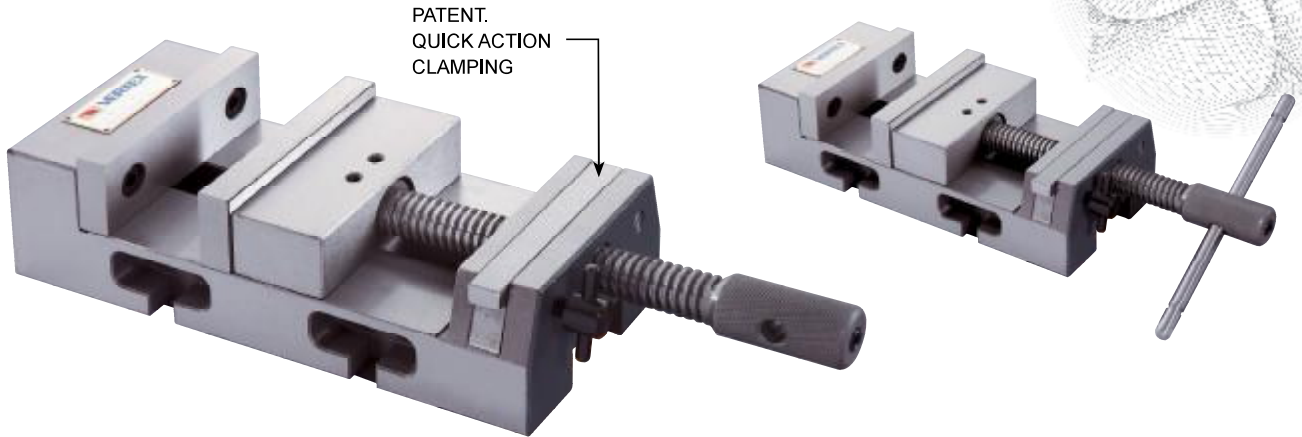
If the source of air pressure is under low pressure exertion of 8 kgf/cm², it can achieve the super strong clamping capacity of 9000 kg/cm². The clamping capacity from 0~9000 kg/cm² can be freely set and adjust via pressure regulator. Automatically seeking the highest source of air pressure:
When the 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

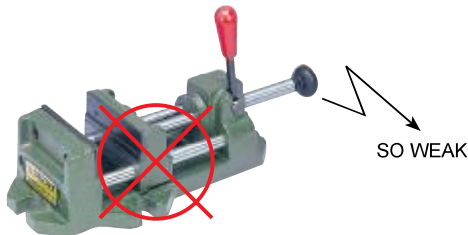
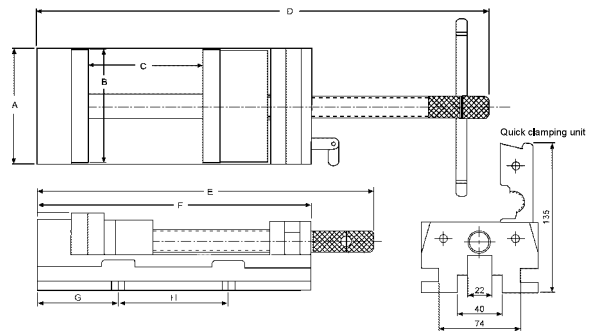
ORDER NO.	A	B	a	D	E	F	G	H	I	C OPEN	K	L	M	X	Gripping Force (kgf)	N.W. (kg)	G.W. (kg)	CODE NO.
VMC-5P	520	380	140	130	157	160	86	15	110	0-150	55	105	18	45	6000	38	40.8	4005-070
VMC-6P	540	400	140	160	160	163	86	15	120	0-160	58	105	18	45	6000	48	50	4005-071
VMC-6PL	630	490	140	160	160	163	86	15	120	0-250	58	105	18	45	6000	51	56.6	4005-072
VMC-7P	600	460	140	180	170	173	90	18	130	0-200	63	110	18	72	9000	65	66.6	4005-073
VMC-8P	610	470	140	200	170	173	90	18	140	0-200	63	110	18	72	9000	70	76.6	4005-074
VMC-8PL	710	570	140	200	170	173	90	18	140	0-300	63	110	18	72	9000	79	86	4005-075

Quick Setting Vise



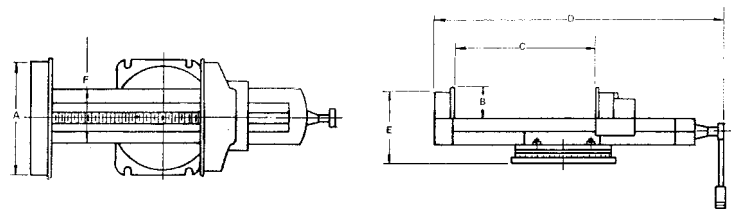
Features

- Special design for quick clamping. (From the acme thread shaft stationly)
- Quick setting by sliding movement. Big clamping capability.
- Operating very quick and easy, can increase so much working efficiency than you can image.
- Good for short term and massive production or proto type work.
- Suit for milling machine, grinder machine, precision drilling machine using.
- Accurate grounded and assembled.
- Precision cut acme thread, it can get 900kgs high clamping force.
- Horizontal & vertical



ORDER NO.	A	B	C OPEN	D	E	F	G	H	G.W.	CODE NO.
VQS-3	82	81	86	374	288	230	75	80	6.8	1002-262
VQS-4	106	105	105	422	317	256	78	100	9.6	1002-263
VQS-5	132	131	125	490	366	297	98	100	14.4	1002-264

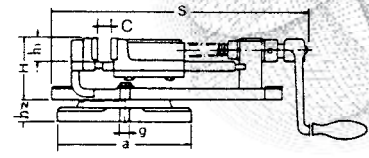
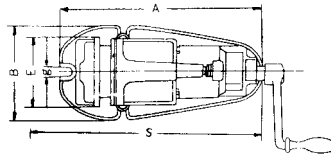
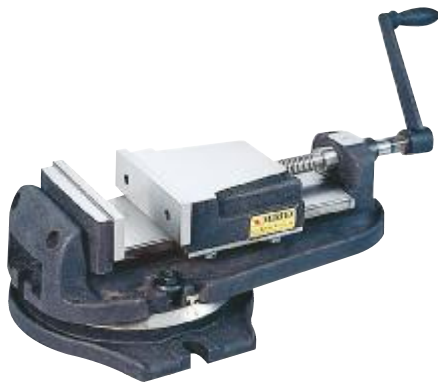
Machine Vise For Shaping & Milling Use



The vise is made of the high tension cast iron, rigidity, large range of clamping spans and more bigger clamping force at draw down jaws, especially suitable for the heavy duty cutting and the heavy duty planer milling machine to clamp large workpiece.

ORDER NO.	A	B	C OPEN	D	E	F	N.W./G.W. (KGS)	CODE NO.
VSM-12	300	70	300	650	210	220	80/83.9	1002-270
VSM-16	410	90	410	790	240	250	135/141.7	1002-271
VSM-20	500	90	500	910	250	305	175/200	1002-272

B-Type Milling Vise



- A wider bottom to increase clamping force.
- Groove device to collect cutting oil.
- Full 360° swivel base with line, accurate graduation.

Please refer to page 11 Fig.2

Unit:mm

ORDER NO.	E	A	B	H	C OPEN	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	21.6	1002-281
VBV-6	150	400	210	105	114	460	245	40	40	16	16	37.8	1002-282

Free Vise

Unit:mm



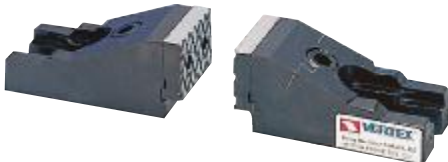
ORDER NO.	DIMENSION (WxHxL)	CLAMPING CAPACITY (HxL)	WEIGHT (kgs/2PCS)	CODE NO.
FV-350	75x67x150mm	140x350mm	7.7	1002-290
FV-450	100x90x200mm	180x450mm	14	1002-291
FV-550	125x120x250mm	250x550mm	23.1	1002-292

ORDER NO.	BOLT SIZE
FV-350	M12 x 75L x 2PCS. M12 x 100L x 2PCS
FV-450	M12 x 75L x 2PCS. M12 x 125L x 2PCS
FV-550	M16 x 75L x 2PCS. M16 x 150L x 2PCS

FV TYPE IS LIGHT DUTY.

- Free style clamping.

Unit:mm



ORDER NO.	CLAMPING HEIGHT	SIZE	N.W.(kgs)	CODE NO.
SV-62	56	65x140x60	5.8	1002-293
SV-85	82	90x193x85	11	1002-294
SV-125	130	124x220x95	21.1	1002-295

ORDER NO.	BOLT SIZE
SV-62	M12 x 75L x 4PCS
SV-85	M16 x 75L x 4PCS
SV-125	M16 x 75L x 4PCS

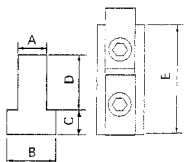
- Free style clamping.
- Heavier duty.

T Slot Clamps

For Thin Work Piece



- 1 Set consist of 4 vices.
- For thin or small workpiece.
- Good clamping force.
- Quick setting
- Suit for light duty cutting on the milling drilling / EDM machine.



ORDER NO.	A	B	C	D	E	N.W.	CODE NO.
CK-3712	11.5	18	7	16	38	0.6	1002-311
CK-3714	13.5	22	8	18	40	0.8	1002-312
CK-3716	15.5	25	8	21	45	0.9	1002-313
CK-3718	17.5	28	11	24	45	1.1	1002-314
CK-3720	19.5	32	12	26	50	1.5	1002-315

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, CK-20, CK-206, Pack in wooden box.
- The parts of every specification all can be purchased individually.

Specifications

Inch Size

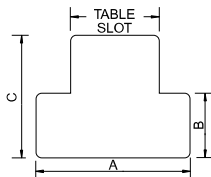
ORDER NO.	Table Slot	Stud Size	G.W. kg	Meas. CFT	CODE NO.
CK-103A	7/16"	3/8"-16w	6.7	(C) 0.8	1003-009
CK-103B	1/2"		6.7		1003-010
CK-104A	9/16"	1/2"-12w 1/2"-13UNC	9.7	(C) 1.0	1003-011
CK-104B	5/8"		10.4		1003-012
CK-105A	11/16"	5/8"-11w	12.5	(C) 1.5	1003-013
CK-105B	3/4"		11.8		1003-014
CK-206	7/8"	3/4"-10w	26.3	2.0	1003-015

Metric Size

ORDER NO.	Table Slot	Stud Size	G.W. kg	Meas. CFT	CODE NO.
CK-08	10	M8-1.25P	7.4	(C) 0.8	1003-001
CK-10	12	M10-1.25P	7.6		1003-002
CK-12A	14	M12-1.75P	9.4	(C) 1.0	1003-003
CK-12B	15.7		9.5		1003-004
CK-14	16	M14-2.0P	11.1	(C) 1.5	1003-005
CK-16	18	M16-2.0P	12.7		1003-006
CK-18	20	M18-2.5P	25.3	(C) 1.6	1003-007
CK-20	22	M20-2.5P	27	(C) 2.0	1003-008

INDIVIDUALLY PARTS T-SLOT NUT

HRC 34°



Metric Size

ORDER NO.	Table Slot	Thread 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	0.23	1003-028

Inch Size

ORDER NO.	Table Slot	Thread Size	A	B	C	Length	WEIGHT (kg)	CODE NO.
3413I	7/16	3/8-16	11/16	7/32	1/2	7/8	0.023	1003-180
3423I	1/2		7/8	9/32	1/2	7/8	0.032	1003-181
3433I	9/16		7/8	11/32	5/8	1-1/8	0.048	1003-182
3414I	9/16	1/2-12 1/2-13	7/8	11/32	5/8	1-1/8	0.048	1003-183
3424I	5/8		1	11/32	5/8	1-1/8	0.06	1003-184
3434I	11/16		1-1/8	7/16	3/4	1-1/4	0.087	1003-185
3415I	11/16	5/8-11	1-1/8	7/16	3/4	1-1/4	0.087	1003-186
3425I	3/4		1-1/4	15/32	3/4	1-1/4	0.102	1003-187
3435I	13/16		1-1/4	9/16	1	1-1/2	0.142	1003-188
3416I	13/16	3/4-10	1-1/4	9/16	1	1-1/2	0.142	1003-189
3426I	7/8		1-1/2	9/16	1	1-1/2	0.175	1003-190
3436I	1		1-5/8	5/8	1	1-3/4	0.2	1003-191
3446I	1-1/16	7/8-9	1-5/8	11/16	1-1/2	2	0.23	1003-192
3417I	1		1-5/8	5/8	1	1-1/2	0.21	1003-193
3418I	1-1/16		1-8	1-5/8	11/16	1-1/2	2	0.25

Coupling Nut

HRC 34°



Metric Size

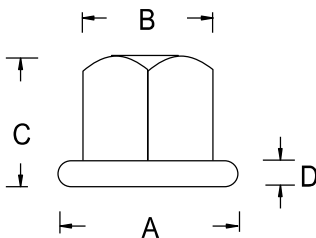
ORDER NO.	Thread	Parallel	Length	Weight (kg)	CODE NO.
2612M	M8x1.25	13	22	0.033	1003-060
2613M	M10x1.5	17	25	0.035	1003-061
2614M	M12x1.75	21	32	0.065	1003-062
2614M-1	M14x2.0	21	32	0.06	1003-063
2615M	M16x2.0	26	41	0.128	1003-064
2616M	M18x2.0	32	48	0.228	1003-065
2617M	M20x2.5	32	48	0.208	1003-066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

Inch Size

ORDER NO.	Thread	Parallel	Length	Weight	CODE NO.
2612I	5/16-18	9/16	7/8	0.033	1003-060I
2613I	3/8-16	11/16	1	0.035	1003-061I
2614I	1/2-12 1/2-13	7/8	1-1/4		1003-062I
2615I	5/8-11	1-1/16	1-5/8	0.128	1003-064I
2616I	3/4-10	1-1/4	1-7/8	0.22	1003-065I
2617I	7/8-9	1-7/16	1-7/8		1003-066I
2618I	1-8	1-5/8	2-1/2		1003-067I

Flange Nut

HRC 34°



Metric Size

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	19	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	0.12	1003-057

Inch Size

ORDER NO.	Thread	A	B (M/M)	C	D	Weight (kg)	CODE NO.
4512I	5/16-18	3/4	9/16	3/8	3/32	0.013	1003-050I
4513I	3/8-16	7/8	11/16	1/2	1/8	0.023	1003-051I
4514I	1/2-12NC 1/2-13NC	1-1/8	7/8	5/8	5/32	0.043	1003-052I
4515I	5/8-11	1-3/8	1-1/16	11/16	3/16	0.087	1003-054I
4516I	3/4-10	1-5/8	1-1/4	1	1/4	0.092	1003-055I
4517I	7/8-9	1-3/4	1-7/16	1-1/8	1/4	0.12	1003-056I
4518I	1-8	2	1-5/8	1-1/4	1/4	0.12	1003-057I

Clamping Studs

HRC 27°



Heat Treated Steel

Studs

Black Oxide Finished



Metric Size

Thread																
Size	M8x1.25P		M10x1.5P		M12x1.75P		M14x2.0P		M16x2.0P		M18x2.5P		M20x2.5P		M24x3.0P	
Length mm	ORDER NO. / CODE NO.															
75	1323M 0.023kg	1003-071	1333M 0.04kg	1003-081	1343M 0.06kg	1003-091	1343MA 0.07kg	1003-101	1353M 0.09kg	1003-111	1363M 0.12kg	1003-120	1373M 0.15kg	1003-140		
100	1324M 0.03kg	1003-072	1334M 0.05kg	1003-082	1344M 0.07kg	1003-092	1344MA 0.10kg	1003-102	1354M 0.13kg	1003-112	1364M 0.16kg	1003-121	1374M 0.20kg	1003-141	1384M 0.25kg	1003-150
125	1325M 0.04kg	1003-073	1335M 0.06kg	1003-083	1345M 0.09kg	1003-093	1345MA 0.13kg	1003-103	1355M 0.16kg	1003-113	1365M 0.20kg	1003-122	1375M 0.25kg	1003-142	1385M 0.35kg	1003-151
150	1326M 0.05kg	1003-074	1336M 0.07kg	1003-084	1346M 0.11kg	1003-094	1346MA 0.15kg	1003-104	1356M 0.19kg	1003-114	1366M 0.25kg	1003-123	1376M 0.30kg	1003-143	1386M 0.45kg	1003-152
175	1327M 0.06kg	1003-075	1337M 0.09kg	1003-085	1347M 0.13kg	1003-095	1347MA 0.18kg	1003-105	1357M 0.23kg	1003-115	1367M 0.30kg	1003-124	1377M 0.35kg	1003-144	1387M 0.53kg	1003-153
200	1328M 0.07kg	1003-076	1338M 0.10kg	1003-086	1348M 0.15kg	1003-096	1348MA 0.20kg	1003-106	1358M 0.25kg	1003-116	1368M 0.32kg	1003-125	1378M 0.40kg	1003-145	1388M 0.60kg	1003-154
250									13510M 0.31kg	1003-117	13610M 0.40kg	1003-126	13710M 0.50kg	1003-146		
300									13512M 0.38kg	1003-118	13612M 0.50kg	1003-127	13712M 0.65kg	1003-147		

Inch Size

Thread													
Size	3/8-16		1/2-12 1/2-13		5/8-11		3/4-10		7/8-9		1"-8		
Length INCH	ORDER NO. / CODE NO.												
3"	1333I 0.04kg	1003-081I	1343I 0.06kg	1003-091I	1353I 0.09kg	1003-111I	1363I 0.12kg	1003-120I	1373I 0.183kg	1003-140I			
4"	1334I 0.05kg	1003-082I	1344I 0.07kg	1003-092I	1354I 0.13kg	1003-112I	1364I 0.16kg	1003-121I	1374I 0.25kg	1003-141I	1384I 0.25kg	1003-150I	
5"	1335I 0.06kg	1003-083I	1345I 0.09kg	1003-093I	1355I 0.16kg	1003-113I	1365I 0.20kg	1003-122I	1375I 0.30kg	1003-142I	1385I 0.35kg	1003-151I	
6"	1336I 0.07kg	1003-084I	1346I 0.11kg	1003-094I	1356I 0.19kg	1003-114I	1366I 0.25kg	1003-123I	1376I 0.40kg	1003-143I	1386I 0.45kg	1003-152I	
7"	1337I 0.09kg	1003-085I	1347I 0.13kg	1003-095I	1357I 0.23kg	1003-115I	1367I 0.30kg	1003-124I	1377I 0.45kg	1003-144I	1387I 0.53kg	1003-153I	
8"	1338I 0.10kg	1003-086I	1348I 0.15kg	1003-096I	1358I 0.25kg	1003-116I	1368I 0.32kg	1003-125I	1378I 0.50kg	1003-145I	1388I 0.60kg	1003-154I	
9"													
10"					13510I 0.31kg	1003-117I	13610I 0.40kg	1003-126I					
12"					13512I 0.38kg	1003-118I	13612I 0.50kg	1003-127I					
14"							13614I 0.62kg	1003-128I					
16"							13616I 0.75kg	1003-129I					
18"							13618I 0.87kg	1003-130I					
20"							13620I 1.00kg	1003-131I					

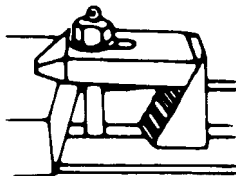
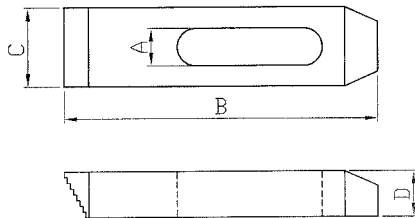
Step Clamp

HRC 37°



Metric Size

ORDER NO.	Bolt Size	A slot	B Length	C Width	D Thickness	Weight (kg)	CODE NO.
6113M	M8 or M10	11	64	25	12	0.25	1003-030M
6123M	M8 or M10		100	25	16	0.49	1003-031M
6133M	M8 or M10		150	28	19	0.99	1003-032M
6214M	M12	14	64	28	12	0.25	1003-033M
6224M	M12		100	32	19	0.35	1003-034M
6234M	M12		150	32	22	0.60	1003-035M
6215M	M16	18	64	32	22	0.31	1003-036M
6225M	M16		100	38	19	0.85	1003-037M
6235M	M16		150	38	22	1.47	1003-038M
6316M	M20 or M18	20	100	38	19	0.75	1003-039M
6326M	M20 or M18		150	38	25	1.43	1003-040M
6336M	M20 or M18		200	44	28	2.82	1003-041M
6417M	M24	26	150	50	32	1.9	1003-042M
6427M	M24		200	50	35	2.75	1003-043M
6437M	M24		250	50	38	3.8	1003-044M



Inch Size

ORDER NO.	Bolt Size	A slot	B Length	C Width	D Thickness	Weight (kg)	CODE NO.
6113	5/16 or 3/8	11	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		150	28	19	0.99	1003-032
6214	1/2	14	64	28	12	0.25	1003-033
6224	1/2		100	32	19	0.35	1003-034
6234	1/2		150	32	22	0.60	1003-035
6215	5/8	18	64	32	22	0.31	1003-036
6225	5/8		100	38	19	0.85	1003-037
6235	5/8		150	38	22	1.47	1003-038
6316	3/4	20	100	38	19	0.75	1003-039
6326	3/4		150	38	25	1.43	1003-040
6336	3/4		200	44	28	2.82	1003-041
6417	7/8 or 1	26	150	50	32	1.9	1003-042
6427	7/8 or 1		200	50	35	2.75	1003-043
6437	7/8 or 1		250	50	38	3.8	1003-044

Step Block

HRC 37°



mm

STANDARD STEEL BLOCK (25 WIDE A)(31 WIDE B)				
ORDER NO.	CAPACITY OF FULL BLOCK	HEIGHT OF BLOCK	WEIGHT (kg)	CODE NO.
5114	32 to 46	30	0.14	1003-170
5124	50 to 75	48	0.28	1003-171
5134	100 to 150	97	1.245	1003-172
HEAVY DUTY STEEL BLOCK 33mm WIDE				
5215	63 to 94	63	0.53	1003-173
5225	75 to 200	75	1.72	1003-174
5235	138 to 230	138	3.25	1003-175



Ground Parallels

ORDER NO.VP-100 CODE NO.1004-001

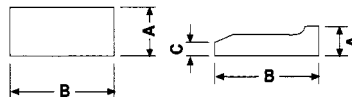
To provide more convenient processing for milling vise.



Unit:mm



- Hardness: HRC 50°-55°
- Precision: $W \times H \pm 0.01L \pm 0.5$
- Accuracy: 0.01mm
- Process: Four-side ground
- 1 set includes 18 pcs
- Packed by plastic case,
G.W.: 11.6 kgs, Meas: 0.3 CFT.



BODY SIZE	CLAMP SIZE
AxBxLxPcs	AxBxCxLxPcs
5x16x100x2	15x31x2.5x200x2
6x18x100x2	
8x24x100x2	
10x30x100x2	
12x36x150x2	
14x48x150x2	
18x60x150x2	
22x62x150x2	



Ground Parallels

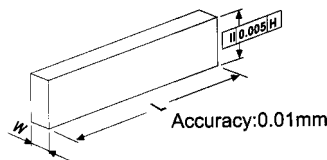
ORDER NO.VP-118A CODE NO.1004-010

8.5mm WIDTH, 5.8kgs



MADE OF HIGH GRADE
ALLOY STEEL
HARDENED AND
GROUND.

Unit:mm



WxHxLxPcs	
8.5x14x150x2	8.5x32x150x2
8.5x16x150x2	8.5x36x150x2
8.5x20x150x2	8.5x40x150x2
8.5x24x150x2	8.5x44x150x2
8.5x30x150x2	



Ground Parallels

ORDER NO.VP-128A CODE NO.1004-020

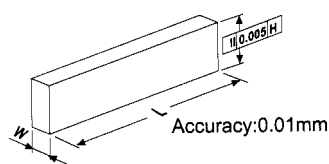
28 PCS/SET 10.7kgs

VP-128A 10mm WIDTH

Unit:mm



MADE OF HIGH GRADE
ALLOY STEEL
HARDENED AND
GROUND.



WxHxLxPcs	
10x14x150x2	10x28x150x2
10x16x150x2	10x30x150x2
10x18x150x2	10x32x150x2
10x20x150x2	10x35x150x2
10x22x150x2	10x40x150x2
10x24x150x2	10x45x150x2
10x26x150x2	10x50x150x2



Precision Parallels

ORDER NO.VP-136 CODE NO.1004-030

To provide more convenient processing for milling vise



ACCURACY:0.01mm

WIDTH 8.0mm

36 PCS/SET 12.3kgs

Unit:mm



WxHxLxPcs	
8x16x150x2	8x34x150x2
8x18x150x2	8x36x150x2
8x20x150x2	8x38x150x2
8x22x150x2	8x40x150x2
8x24x150x2	8x42x150x2
8x26x150x2	8x44x150x2
8x28x150x2	8x46x150x2
8x30x150x2	8x48x150x2
8x32x150x2	8x50x150x2



VP-018 Thin Type Parallels Set

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

3Wx150Lx20 PCS/SET

G.W. 2.2kgs.

PACKING: 175x65x200 mm

ACCURACY: 0.01mm

THICKNESS 1/8" ≒ 3mm



WxHxLxPcs	WxHxLxPcs
3x13x150x2	3x28x150x2
3x16x150x2	3x31x150x2
3x19x150x2	3x35x150x2
3x22x150x2	3x38x150x2
3x25x150x2	3x41x150x2



VP-163 Precision Parallels

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

5Wx150Lx8 PCS/SET

G.W. 1.7kgs.

PACKING: 100x65x175 mm

ACCURACY: 0.01mm

THICKNESS 3/16" ≒ 5mm



WxHxLxPcs
5x25x150x2
5x31x150x2
5x38x150x2
5x44x150x2



VP-064 Precision Parallels

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

6Wx150Lx18 PCS/SET

G.W. 4.5kgs.

PACKING: 210x178x68 mm

ACCURACY: 0.01mm

THICKNESS 1/4" ≒ 6mm



WxHxLxPcs	WxHxLxPcs
6x19x150x2	6x35x150x2
6x22x150x2	6x38x150x2
6x25x150x2	6x41x150x2
6x28x150x2	6x44x150x2
6x31x150x2	

VP-050 Precision Parallels

ORDER NO.VP-050 CODE NO.1004-070 13Wx150Lx8 PCS/SET



G.W. 4.5kgs.
PACKING: 180x70x310 mm
ACCURACY: 0.01mm
THICKNESS 1/2" \div 13mm

WxHxLxPcs
13x25x150x2
13x31x150x2
13x38x150x2
13x44x150x2



VP-033 Precision Parallels

ORDER NO:VP-033 CODE NO:1004-080



200Lx8 PCS/SET
Accuracy: 0.01 mm

G.W. 6.2kgs.
PACKING: 180x65x230 mm
LONGER TYPE,
SUIT FOR BIGGER VISE.

WxHxLxPCS
8x24x200x2
12x36x200x2
22x40x200x2
31x15x200x2x2.5 For Clamping

VP-112 Ground Parallels

ORDER NO:VP-146 CODE NO:1004-082

NEW



4.6Wx150Lx12 PCS/SET
Accuracy: 0.01 mm

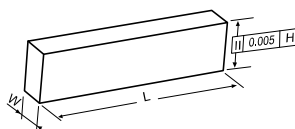
G.W. 3kgs.
Material: S45C
Hardness: HRC50°~55°

WxHxLxPCS
4.6x32x150x2
4.6x34x150x2
4.6x36x150x2
4.6x38x150x2
4.6x40x150x2
4.6x44x150x2

VP-114 Ground Parallels

ORDER NO:VP-168 CODE NO:1004-083

NEW



6.8Wx150Lx14 PCS/SET
Accuracy: 0.01 mm

G.W. 3.5kgs.
Material: S45C
Hardness: HRC50°~55°

WxHxLxPCS
6.8x15x150x2
6.8x18x150x2
6.8x21x150x2
6.8x25x150x2
6.8x27x150x2
6.8x31x150x2
6.8x35x150x2

VP-200 Ground Parallels

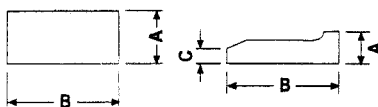
ORDER NO.VP-200 CODE NO.1004-085



NEW



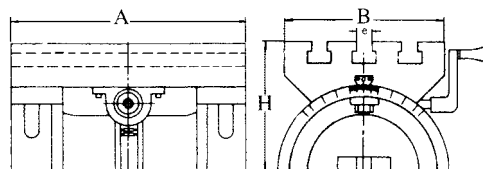
MADE OF HIGH GRADE
ALLOY STEEL
HARDENED AND
GROUND.
ACCURACY: 0.01/100 MM



FOR OVER 150 m/m, 200m/m
JAW PLATE VISE USING

BODY SIZE	CLAMP SIZE
AxBxLxPcs	AxBxCxLxPcs
5x16x150x2	31x15x200x2x2.5
6x18x150x2	
8x24x150x2	
10x30x150x2	
12x36x200x2	
14x48x200x2	
18x60x200x2	
22x62x200x2	

Adjustable Angle Plate

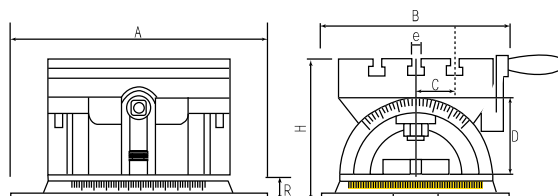


Unit:mm

ORDER NO.	TABLE LxW			T-SLOT	APPROX WEIGHT(kg)	CODE NO.
	A	B	H	e		
VP-180	180	130	91	10	7.4	1004-089
VP-250	255	181	133	12	28.7	1004-090
VP-380	380	254	185	16	56.3	1004-091
VP-600	600	300	205	16	85.3	1004-092

1. For angle setting on various machine tools.
2. Adjustable 45° each side.
3. Material: FC30
4. Lower plate and bigger working space.

Angle Plate With Swivel Base



Unit:mm

ORDER NO.	Table LxW			T-SLOT			R	WEIGHT (kg)	CODE NO.
	A	B	H	e	C	D			
VP-250S	243	230	177	10	50	90	40	40	1004-100
VP-380S	360	270	233	12	68	127	48	76	1004-101

360° SWIVEL BASE.

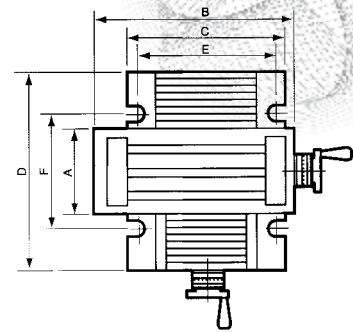
Precision Cross Table



VCT-407



VCT-514



- Material: over FC-30
- Precision: 0.02/100mm
- Feature: The sliding surfaces are treated by heat-treatment & precision ground
- Can be used as measurement table

Specifications

Unit:mm

ORDER NO.	A	B	C	D	E	F	Stroke	T Slot	Total height	Dial graduation	PACKING LxWxH m/m	WEIGHT kgs	CODE NO.
VCT-407	100	180	130	100	115	50	50x80	3/8"	100	2.5mm/0.02	290x240x140	11.9	1007-001
VCT-514	150	350	250	300	206	208	156x170	3/8"	134	4mm/0.02	510x450x240	33.4	1007-002
VCT-820	200	500	300	400	250	290	200x250	3/8"	155	4mm/0.02	640x520x200	72	1007-003
VCT-1024	250	600	400	500	340	430	250x300	1/2"	210	4mm/0.02	790x680x310	141	1007-004

Precision Cross Table

ORDER NO.VCT-830 CODE NO.1007-010



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.

Specifications

Unit:mm

ORDER NO.	A	B	C	D	E	F	Stroke	T Slot	Total height	Dial graduation	PACKING LxWxH m/m	WEIGHT kgs	CODE NO.
VCT-830	210	730	345	410	310	230	190x350	16	185	2.5mm/0.05	991x584x292	99.9	1007-010

Cross Table

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



VCT-512

Table: 300x140mm
Height: 115mm
Travel: 200mm longitudinal.
125mm transverse.

Base: 225mm x 200mm oval with U slots for up to 16 bolts on 190 to 210 bolts circle.

Dial Graduated: 0.03mm

Net weight: 16.4kgs.

Packing Volume of each unit: 430x265x155mm

LIGHT DUTY ONLY

Right Angle Head



VRA-TYPE

- Used on Vertical Milling Machine to make horizontal work.
- Rigidity constructed suitable for horizontal cutting.
- The clamping bushing to suit milling machine.
- Maximum spindle speed allowed right angle. 2000 R.P.M.

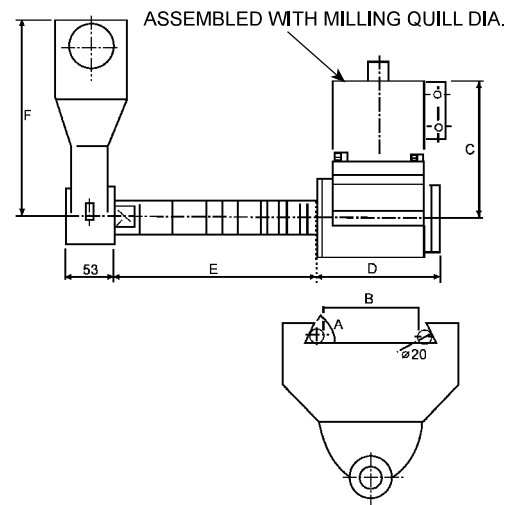
※ Please notify the quill dia. when ordering

ORDER NO.	SUITABLE MILLING HEAD QUILL DIAMETER	WEIGHT (kgs)	CODE NO.
VRA-R8	85.725mm~86mm	12.6	1008-001
VRA-NT 30	85.725mm~86mm	13.1	1008-002
VRA-NT 40	85.725, 100, 105, 110, 115mm	18	1008-003

ARBOR FOR CUTTER INCH OF MERTIC SIZE

VRA-R8	R8-SCA1"	R8-SCB22
VRA-NT 30	NT30-SCA1"	NT30-SCB27
VRA-NT 40	NT40-SCA1"	NT40-SCB27

Horizontal Milling Attachment



- Special dovetail degree, also can supply.....please notify.
- VHA-TYPE including right angle head, long horizontal arbor and breaker. VHA-R-8-27mm VHA-NT-30/NT-40-27mm for The mm size, for inch size are same 25.4mm (1")
- The quill diameter is same as VRA-Type
- Maximum spindle speed allowed right angle. 2000 R.P.M.

- Benefit: convert your vertical mill to a horizontal mill. Designed to simplify right anglework by reducing the need for special tooling and complex fixtures, gains your efficiency, save your time and money.

Horizontal Milling Arbor Support

TYPE	SPEC.	SUITABLE M/C RAM DOVETAIL WIDTH	WEIGHT(kgs)
A 50°		B 140mm~170mm	25.7
A 55°		B 140mm~170mm	26.5
A 60°		B 140mm~170mm	30.8

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



Power Table Feed - Super Power Type 500SX, 500SY, 500SZ Series



For Longitudinal X Axis

For Cross Y Axis

For Vertical Z Axis

500S Type series

VPF-250X

VPF-250Y

VPF-250Z

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.

The max. torque is 650 in/lb

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



VPF-235

Features

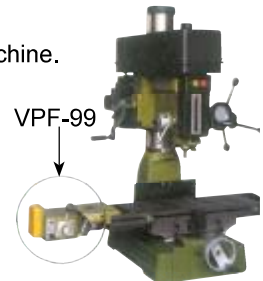
- The VERTEX power table feed for 2V, 3V, 5V milling machine.
- Easy to install, no modification needed.
- Highest quality design and construction materials.
- Circuit panel is designed with easily replaceable insert type connectors.
- Assy-gear (nylon) clutch has built in torque release to prevent damage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



VPF-99

Features

- Application: the VERTEX power table feed for Drill/Milling machine.
- Easy to install, no modification needed.
- Highest quality design and construction.
- Circuit panel is designed for easy replacement with insert type connectors.
- 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

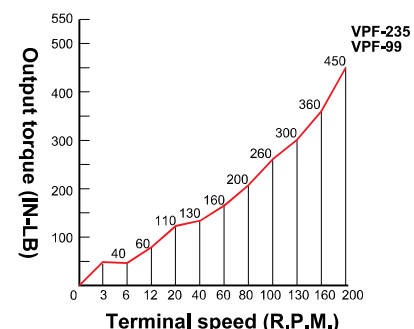
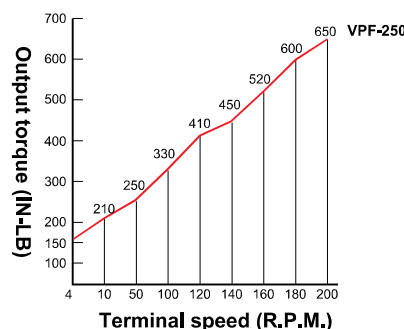
Output: 110V 50/60Hz,

power supply: 50/60Hz, 1-phase

220, 240, 380, 415, 440V

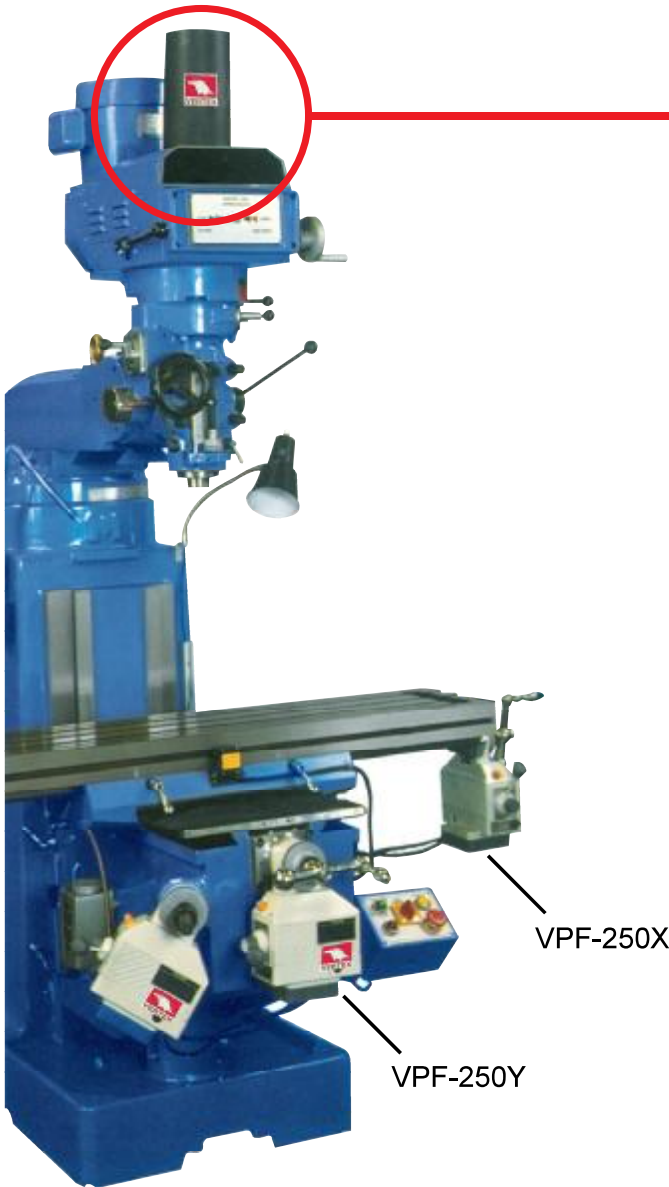
THIS TRANSFORMER IS

FOR VPF-TYPE USE ONLY.



ORDER NO.	VOLTAGE	Speed Range	Rapid Speed	Max. Torque	LxWxH	G.W.(kgs)	CODE NO.
VPF-250 x	110V	4-160rpm	200rpm	650 in/lb	290x200x320mm	6.3	1009-001
VPF-250 y						6.7	1009-002
VPF-250 z						6.9	1009-003
VPF-235 x	110V	0-140rpm	200rpm	440 in/lb	290x200x320mm	6.2	1009-004
VPF-99 x	110V	0-165rpm	240rpm	450 in/lb	290x200x315mm	6.2	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

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

Standard equipment

- Power motor
- Control box
- Air filter and lubricant
- Drawbar
- Mounting hardware

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



Precision Slotting Head

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



Features

- Special design worm and worm gear with linkage transmission mechanism, well construction and highly power output.
- The ram-sliding surface are hardened and precision ground
- Built in lubricating system for smoothly running and prolong the life of head
- 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)

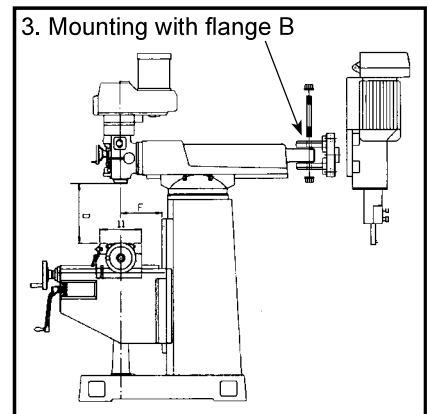
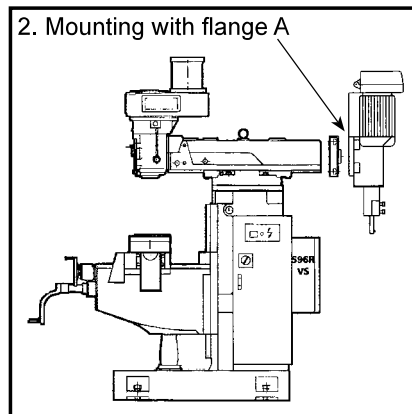
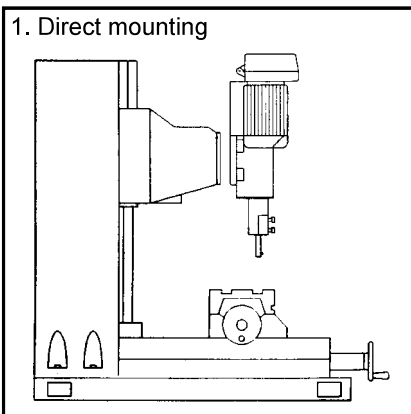
Driving Motor: 3/4HP-6P

WEIGHT: 150kgs

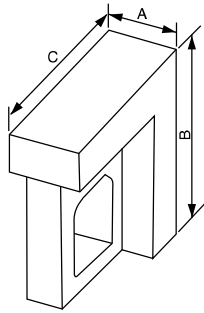
Optional Accessories

- Flange A
- Flange B
- Slotting bar & cutter 4, 5, 6, 7, 8, 10mm

ORDER NO.	CUTTER & DESCRIPTION	WEIGHT (kg)	CODE NO.
VSH-4C	Slotting bar 4mm	0.32	1012-011
VSH-5C	Slotting bar 5mm	0.32	1012-012
VSH-6C	Slotting bar 6mm	0.56	1012-013
VSH-7C	Slotting bar 7mm	0.62	1012-014
VSH-8C	Slotting bar 8mm	0.80	1012-015
VSH-10C	Slotting bar 10mm	0.81	1012-016
VSH-FGA	FLANGE A	11	1012-017
VSH-FGB	FLANGE B	23	1012-018



Precision Right Angle Plate

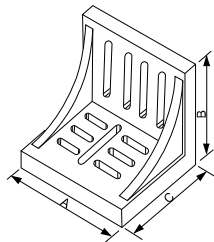


- Made of finest quality castings, stress relieved.
- All outside surfaces closely finished for square and parallel references:
Precision ground: Square within 0.01mm per 100mm
Parallel within 0.01mm per 100mm

Unit:mm

ORDER NO.	Approx Dimensions			WEIGHT (kgs)	CODE NO.
	A	B	C		
VRH-4	102	126	150	6.3	1013-001
VRH-5	126	202	300	16.9	1013-002
VRH-6	150	150	202	14.5	1013-003
VRH-8	202	250	300	32.5	1013-004

Right Angle Plate

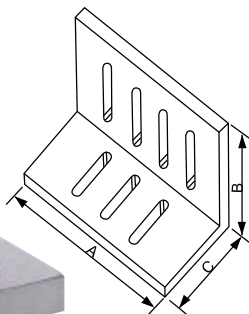
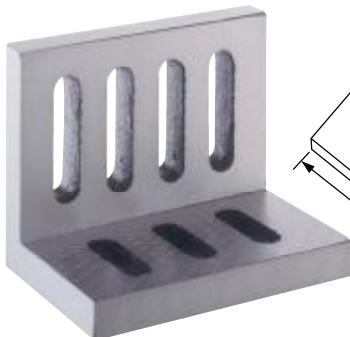


- Made of high tensile cast iron
- Webbed style accurately grounded, square and parallel on outside faces and ends within 0.01mm per 100mm

Unit:mm

ORDER NO.	Approx Dimensions			WEIGHT (kgs)	CODE NO.
	A	B	C		
VR-6	150	126	115	3.8	1013-010
VR-8	202	150	126	7.4	1013-011
VR-10	250	202	126	12.1	1013-012
VR-12	300	228	202	23.7	1013-013

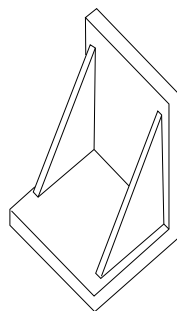
Slotted Angle Plates



- Many size 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 (kgs)	CODE NO.
	A	B	C		
VR-45	4-1/2"	3-1/2"	3"	1.3	1013-020
VR-60	6"	5"	4-1/2"	3.2	1013-021
VR-80	8"	6"	5"	7.4	1013-022
VR-100	10"	8"	6"	12	1013-023
VR-120	12"	9"	8"	19.4	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 (kgs)	CODE NO.
VR-22	2x2x2	0.4	1013-030
VR-33	3x3x3	1.2	1013-031
VR-44	4x4x4	2.6	1013-032
VR-55	5x5x5	4.3	1013-033
VR-66	6x6x6	7	1013-034
VR-88	8x8x8	15.2	1013-035
VR-1010	10x10x10	27.7	1013-036
VR-1212	12x12x12	42.9	1013-037

Screw Jack



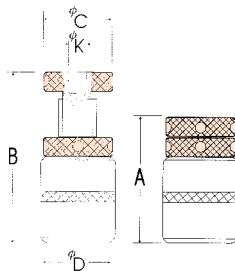
- Material: S45C
- Support heavy weight

ORDER NO.	ADJUSTABLE CAPACITY	ØD	K.G.	CODE NO.
VSJ-70	70-95mm	38	0.5	1014-001
VSJ-150	100-150mm	50	1.2	1014-002
VSJ-250	140-230mm	53	2.3	1014-003
VSJ-500	280-375mm	73	4.6	1014-004

Screw Jack With Magnets



MAGNETS



- Cross type fixture gives best positioning.
- Heat treatment in parts contact face.
- Built-in magnets designed, easy to clean chips.

ORDER NO.	A	B	C	D	K	K.G.	CODE NO.
VSJM-50	40	50	35	40	11.5	0.32	1014-010
VSJM-70	50	65	35	40	11.5	0.40	1014-011
VSJM-85	65	85	40	45	11.5	0.62	1014-012
VSJM-110	85	110	40	45	11.5	0.79	1014-013
VSJM-165	110	165	45	50	11.5	1.37	1014-014

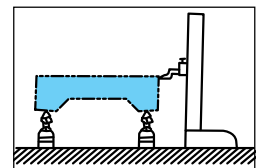
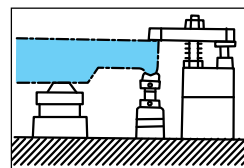
Screw Jack Sets

NEW



SUITABLE FOR IRREGULAR WORKPIECE.
RAPID SETTING & FIXED.

EXAMPLE:



PADS:



VSJ-1A



VSJ-2A



VSJ-3A



VSJ-4A



VSJ-5A



VSJ-6A

6 PADS For different work piece shape

ORDER NO.	SIZE	CODE NO.
VSJ-1A	Ø25xØ11x10mm	1014-030
VSJ-2A		1014-031
VSJ-3A		1014-032
VSJ-4A		1014-033
VSJ-5A		1014-034
VSJ-6A		1014-035

ORDER NO.	SET INCLUDING		WEIGHT K.G.	CODE NO.
	JACKS	PARTS EACH ONE		
VSJ-A	VSJ-70x2 VSJ-150x2	VSJ-1A, VSJ-2A, VSJ-3A VSJ-4A, VSJ-5A, VSJ-6A	4.0	1014-020
VSJ-B	VSJ-150x2 VSJ-250x2	VSJ-1A, VSJ-2A, VSJ-3A VSJ-4A, VSJ-5A, VSJ-6A	7.5	1014-021

U-Clamp



- Material: S45C
- Easy adjustment

ORDER NO.	STUD	LxWxH	K.G.	CODE NO.
VCA-404	M12x5"	105x45x35mm	1.5	1015-001
VCA-405	M16x6"	126x54x40mm	2.6	1015-002
VCA-406	M20x7"	155x58x55mm	4.2	1015-003
VCA-408	M24x8"	190x70x65mm	8.2	1015-004

Pivot Clamp



- 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
- Material: S45C

ORDER NO.	Table T-Slot Size	Stud X L Size	Body	Clamping height	G.W.	CODE NO.
VCB-404	16	M12x5"	115x42x39	0 or 3 1/2"	1.6	1015-005
VCB-405	20	M16x6"	133x50x49	0 or 4"	2.7	1015-006
VCB-406	22	M20x7"	157x60x54	0 or 4 3/4"	4.6	1015-007
VCB-408	28	M24x8"	7x2 7/8	0 or 6"	8.6	1015-008

Hand Drift

ORDER NO.VHD-1 CODE NO.1016-001



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.

Suit For Spindle Notes	Length	30pcs/Box Size	30pcs/ Carton Size	N.W.(kg)
M.T.#2 #3 #4 #5	375mm	385x45x37mm	390x270x240mm	1.3



Eye Shield

ORDER NO.VH-56 CODE NO.1017-001



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

GUIDER SIZE	K.G.
300x180x2	1



Milling Table Slot Cover



- Save time cleaning chips from machine
- Protects table slots
- Prevents chips from interfering with coolant flow
- Made of hand anodized aluminum, Light weight.



ORDER NO.	Table Slot	L	Set	WEIGHT(kg)	CODE NO.
VST-10	10	300	6PCS	0.1	1018-011
VST-12	12	400	6PCS	0.4	1018-012
VST-14	14	400	6PCS	0.5	1018-013
VST-16	16	400	6PCS	0.5	1018-001
VST-18	18	450	6PCS	0.6	1018-002
VST-20	20	500	10PCS	1	1018-003
VST-22	22	1000	5PCS	1.1	1018-004
VST-24	24	1000	5PCS	1.2	1018-005
VST-28	28	1000	5PCS	1	1018-006
VST-36	36	1000	5PCS	1.1	1018-007



Vee Blocks



MACHINED ONLY

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

Accuracy: Machining to 0.03mm/100mm

ORDER NO.	Length	Width/Set	Height	V-Width	V-Depth	Weight(kgs)/Set	CODE NO.
V-2V	51mm	48mm	32mm	25mm	12.5mm	0.5	1019-001
V-3V	76mm	62mm	53mm	34mm	17mm	1.5	1019-002
V-4V	102mm	82mm	60mm	48mm	24mm	2.5	1019-003
V-5V	126mm	102mm	79mm	58mm	29mm	4.3	1019-004
V-6V	150mm	124mm	88mm	80mm	40mm	6.4	1019-005
V-7V	178mm	152mm	115mm	92mm	46mm	12	1019-006
V-8V	202mm	174mm	140mm	114mm	57mm	16.7	1019-007



Auto Center Punch

ORDER NO.VACP-1 CODE NO.1019-020



L: 120MM

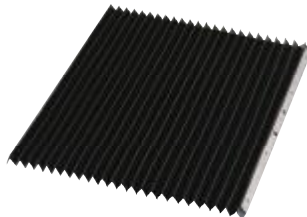
Automatic point marker is the best tool final the central point before punching. It's operated to aim at the central line and be pressed downward; the central point will appear. The size of the point can be adjusted by the pressure lid, no need to use hammers.

Draw Bar



ORDER NO.	DRAW BAR THREAD	LENGTH mm		WEIGHT (kg)	CODE NO.
		STEPS (S) TYPE	VARIABLE (A) SPEED		
VDR-R8-S	7/16-20NC	518	598	0.4	1020-001
VDR-R8-A				0.8	1020-002
VDR-NT302-S	1/2-12NC	555	635	0.6	1020-003
VDR-NT302-A				0.9	1020-004
VDR-NT303-S	1/2-13NC	555	635	0.6	1020-005
VDR-NT303-A				0.9	1020-006
VDR-NT30M-S	M12x1.75P	555	635	0.6	1020-007
VDR-NT30M-A				0.9	1020-008
VDR-NT40I-S	5/8-11NC	545	630	1	1020-009
VDR-NT40I-A				1.3	1020-010
VDR-NT40M-S	M16x2.0P	545	630	1	1020-011
VDR-NT40M-A				1.3	1020-012

Expandable Machine Guard Cover



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

ORDER NO.	WxL	SUITFUL MILLING SINE	WEIGHT (kg)	CODE NO.
VGC-3833F	380x330	1.5#	0.3	1021-001
VGC-3860F	380x600	1.6# 1.7#	0.6	1021-002
VGC-4550F	450x500	1.6#	0.7	1021-003
VGC-3775B	370x750	1.5#	0.7	1021-004
VGC-4585B	450x850	1.6# 1.7#	1.1	1021-005
VGC-6085B	600x850	2.0#	2	1021-006

5C. C32. OZ25 Collet Rack

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



SIZE: 220x110x6 mm
MATERIAL: PLASTIC
G.W.: 0.2 kgs

Parts Storage

COLOR: RED, BLUE, YELLOW



ORDER NO.	SIZE	PACKED	EACH WEIGHT (kg)	CODE NO.
VHB-1218	120Wx180Dx80H mm	60 PCS/CASE	8.6	1021-100
VHB-1525	150Wx250Dx120H mm	36 PCS/CASE	9.6	1021-101
VHB-2035	200Wx350Dx150H mm	18 PCS/CASE	0.585	1021-102
VHB-2045	200Wx450Dx177H mm	12 PCS/CASE	0.8	1021-103
VHB-3045	300Wx450Dx177H mm	8 PCS/CASE	1.8825	1021-104
VHB-1015	100Wx150Dx80H mm	80 PCS/CASE	0.074	1021-105
VHB-1220	120Wx200Dx80H mm	60 PCS/CASE	6.7	1021-106
VHB-1526	150Wx260Dx128H mm	36 PCS/CASE	0.201	1021-107



Universal Cutter Grinder

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 radiused 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.: 58kgs
Machine dimensions (LxWxH) 45x40x35cm
Packing Dimensions (LxWxH) 55x45x47cm

Standard Accessory Included

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

Optional Accessory

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

ORDER NO.	CODE NO.
U2-E	1022-010
U2-T	1022-011
U2-L	1022-012
U2-D #100	1022-013
U2-B BELT	1022-014
U2-C CABINET	1022-015
U2-G WHEEL	1022-016
U2-R #200	1022-017
U2-R-1 #400	1022-017-1

WEIGHT: 2kg



CODE NO. 1022-010 U2-E
END mill grinding attachment



WEIGHT: 0.9kg

CODE NO. 1022-011 U2-T
Twist drill grinding attachment



- Tool cabinet stand U2-C, 900x500x400mm G.W.:40kgs
CODE NO. 1022-015



WEIGHT: 0.9kg

CODE NO. 1022-012 U2-L
Lathe tool grinding attachment



U2-D
WEIGHT: 0.7kg
1022-013



U2-R
WEIGHT: 0.5kg
1022-017

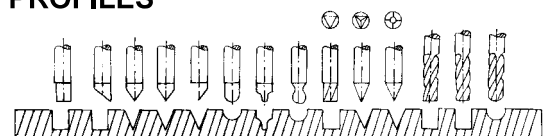
CODE NO. 1022-013
diamond grinding wheel
CODE NO. 1022-017
Resinoid Diamond & CBN Wheels



DIAMOND GRINDING WHEEL

ORDER NO.	SIZE	GRAIN
U2-D	100Dx10Wx5Ux20Hx22T	#100
U2-R	100Dx8Wx2Xx20H	#200
U2-R-1	100Dx8Wx2Xx20H	#400

ENGRAVING AND MILLING CUTTER PROFILES



Chamfering & Deburring Unit



VCF-500
Accessory: Side Mill Cutter Insert SPUN 422

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.



VCF-500W
Accessory: Grinding Wheel
100Øx50x17Ø

FEATURES FOR VCF-

1. Simplified operation, suitable for unskilled personnel.
2. Easily to be bevelled for any length made of steel, cast iron, nonferrous metals, plastics, acrylic etc.
3. 500 : With exchangeable carbide inserts, 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 chamfered.
5. 500F : Working base on surface milling principles, the deburring processing surface is same as the milling machine surface.



VCF-500F
Accessory: Face Milling Cutter
Insert SEKN 1203

TECHNICAL DATA

	500	500W	500F
Space requirement	500	500W	500F
	500x320m/m	500x440m/m	500x220m/m
Weight(kgs)	28.4	29.1	28.9
Voltage	3Ø 220V or 1Ø 110V/220V 50HZ/60HZ 3Ø 380V/415V		
Motor output	0.7KW		
Speed	3500 r.p.m		
Length of guide rails	500m/m	500m/m	500m/m
Height of bevel	0-3m/m		
Bevel angle	15°~45° (Changable)	45°	45°

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

Chamfering & Deburring Unit



VCF-500S

Accessory: Sanding Disc
165Øx22Ø

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

PRACTICAL

- A. USING SAND-CLOTH ROLLER FOR CUTTING.
- B. GOOD FOR STEEL. CAST IRON HARDEN PARTS.
- C. NOT FOR SOFT IRON OR ALUMINUM.
- D. IF USED BENT WORKPIECE, THE CHAMFERING SURFACE WOULD NOT SMOOTHLY STRAIGHT.



VCF-600

Insert SPMW 321
ZSPMW 090308

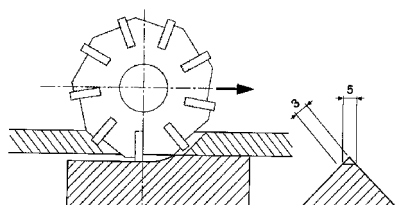
FEATURES FOR VCF-

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-700

Side mill cutter



TECHNICAL DATA

	VCF-500S	VCF-600	VCF-700
Space requirement	330x410	380x130	360x200x260
Weight(kgs)	25.8	3.7	14
Voltage	3Ø220V or 1Ø110V/220V	3Ø380V/415V	50HZ/60HZ
Motor output	0.7KW		0.37KW
Speed	3500 r.p.m	12000 r.p.m	3500 r.p.m
Length 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° Adjustable

PLEASE NOTIFY VOLTAGE & PHASE, WHEN YOU ORDERING.



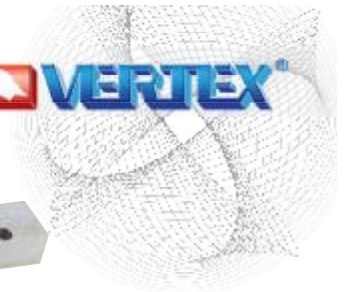
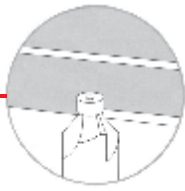
Chamfering & Deburring Unit

ORDER NO.VCF-300A CODE NO.1023-007



VERTEX

NEW



- Process by carbide end mill.
- The range of chamfer: inner dia. 6mm, inner gap width 6mm and 3R arc.
- The chamfer a bility by: 2C/2R.
- The adjustable speed (0-6000rpm) can use for all kinds of materials cutting. (except harden parts)
- This machine was designed for regular and irregular parts such as curved surface, inner gap, and complex of inner and outter parts.
- All bevel angle comes to 45° by 45° carbide end mill.

SPECIFICATION

Accessory	Carbide end mills
Machine size	L330mm x W330mm x H300m
Voltabe	1ø, 220V; 50Hz/60Hz
Speed	0~6000 r.p.m.
Distance of Bevel	0~3mm
Bevel angle	45°
N.W. / G.W.	30kgs / 34kgs
Box size	550mm x 440mm x 380mm
Motor	0.5HP
Track Size	300mm x 250mm x 10mm



Ejector Pin Cutting-off Unit

ORDER NO.VEC-100 CODE NO.1024-001

A PRECISE & SHARP CUTTING TOOL FOR MOULD MAKING LINE



Features

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

ABLE TO CUT ALL THE MATERIAL WITH PLANE SURFACE ALMOST

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.)	94.2KGS
MACHINE SIZE	620x420x450MM
PACKING SIZE	720x520x600MM

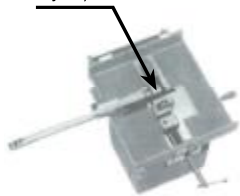
STANDARD ACCESSORIES

Emery wheel (Ø150x1x19.05mm) 5 PCS



LARGE & SMALL V SLOT

(For clamping round object)



EMERY WHEEL ASSEMBLY BY HAND

opened locked tightly



PLEASE NOTIFY THE VOLTAGE & PHASE, WHEN YOU ORDERING.



Rods Precision Cutting-Off And End Surface Grinding Unit



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

Features

- During operation, the grinding sander may be micro adjusted and repaired without changing its dimensions.
- The tightness of belt may be automatically adjusted and controlled (the larger the resistance, the tighter the belt.)
- 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.
- 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.
- When operation, a shaft with two tapered ends is used for transmission and characterized by high stability low wearing rate and long life.
- 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.
- The minimum of cutting length is 60mm



For Clamping



For Cutting & Grinding

1.



2.



3.



4.



5.



6.



The measure rule

SPECIFICATION

Cut-off precision	25m/m \varnothing x 300m/m \pm 0.01
Right-angle precision	25m/m \varnothing x 90° \pm 0.01
Cut-off sander lamina	1m/m t x 180m/m \varnothing (Hole) 31.8m/m \varnothing
Grinding sander	WA46K x100 x 50 x 20
R.P.M.	3600
Motor	3/4HP 110/220V 1 or 3 phase
Capacity	VEC-300G 300mm VEC-500G 500mm VEC-600G 600MM
Weight (Approx.)	105.4kgs (107kgs) (110kgs)
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 Beams

UNIVERSAL TYPE



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



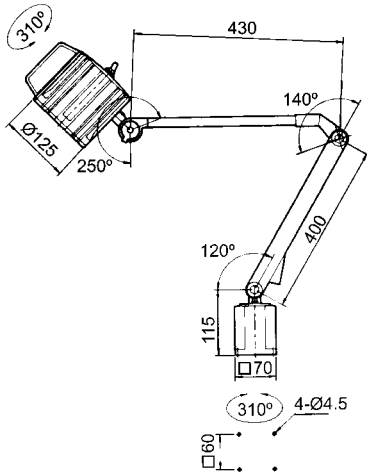
VHL-300L



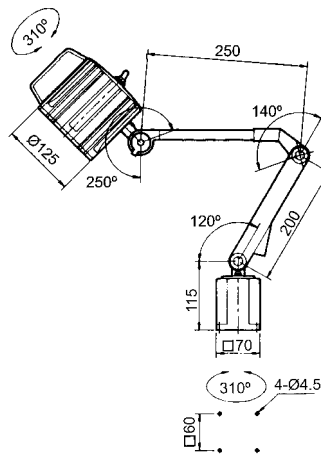
VHL-300M



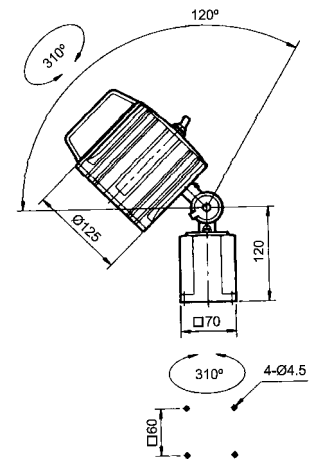
VHL-300S



VHL-300L
LONG ARM

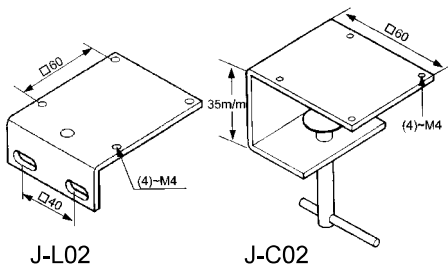


VHL-300M
MEDIUM ARM



VHL-300S
SHORT ARM

●OPTIONAL●



- 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.

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.

Unit:mm

ORDER NO.	ARM LENGTH L x l	WEIGHT (kg)	CODE NO.
VHL-300L	430x400	2.4	1025-001
VHL-300M	250x200	2.1	1025-002
VHL-300S	1 JOINT	2.3	1025-003
J-L02		0.4	1025-004
J-C02		0.4	1025-005



Dustproof Halogen Lamp Beams



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



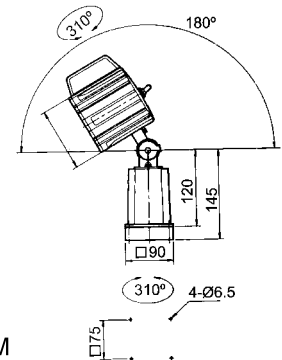
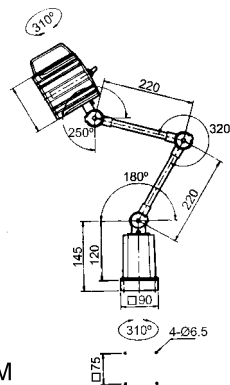
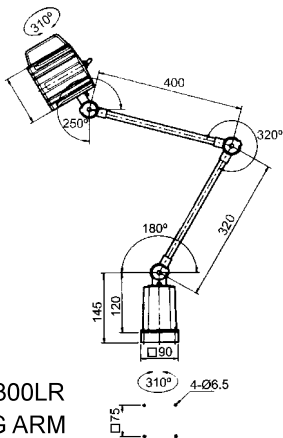
VHL-300MR



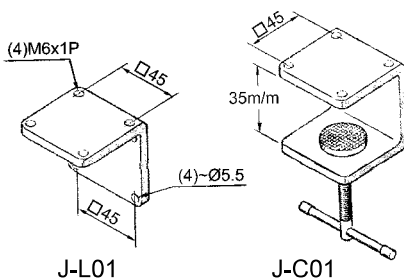
VHL-300SR



VHL-300 1/2MR



●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 L x l	WEIGHT (kg)	CODE NO.
VHL-300LR	400x400 (With Water proof)	4.4	1025-010
VHL-300MR	200x200 (With Water proof)	3.6	1025-011
VHL-300SR	1 JOINT (With Water proof)	2.9	1025-012
VHL-300 1/2MR	200 (With Water proof)	3.4	1025-013
J-L01		0.4	1025-014
J-C01		0.4	1025-015

Quartz Halogen Lamp Beams



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



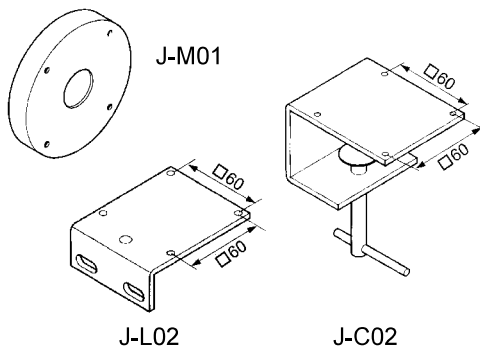
VHL-20FT SERIES

- 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. (optional)
- 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.
- 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.

● OPTIONAL ●



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

ORDER NO.	WEIGHT (kg)	CODE NO.
VHL-20FT	1.6	1025-020
VHL-20F	1.1	1025-021
J-M01	0.46	1025-006
J-L02	0.4	1025-004
J-C02	0.4	1025-005

WATER RESIST



D SERIES



DB SERIES



- Outstanding Water-resist Performance

Separate ballast series

ORDER NO.	LAMP LENGTH	BULB LENGTH	WATT	DIA	WEIGHT (kg)	CODE NO.
VHL-W10D	518m/m	345m/m	10	70mm	3.2	1025-030
VHL-W15D	632m/m	451m/m	15	70mm	3	1025-031
VHL-W18D/PL	425m/m	195m/m	18	70mm	2	1025-032
VHL-W20D	765m/m	580m/m	20	70mm	3.6	1025-033
VHL-W36D/PL	621m/m	385m/m	36	70mm	2.9	1025-034
VHL-W40D	1835m/m	1200m/m	40	70mm	3.5	1025-035

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

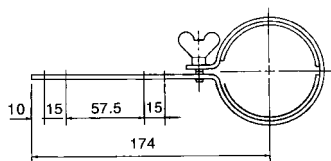
Built-in ballast series

ORDER NO.	LAMP LENGTH	BULB LENGTH	WATT	DIA	WEIGHT (kg)	CODE NO.
VHL-W10DB	611m/m	330m/m	10	70mm	3.2	1025-040
VHL-W15DB	717m/m	436m/m	15	70mm	3	1025-041
VHL-W18DB/PL	525m/m	195m/m	18	70mm	3.5	1025-042
VHL-W20DB	861m/m	580m/m	20	70mm	3.6	1025-043
VHL-W36DB/PL	715m/m	385m/m	36	70mm	2.9	1025-044
VHL-W40DB	1529m/m	1200m/m	40	70mm	3.5	1025-045

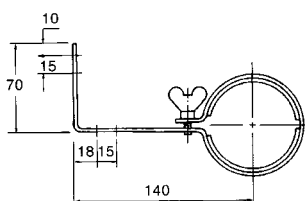
- Suited for machine lighting, indoor and outdoor lighting.
- Cool lighting performance.
- Anti-crack lamp.
- Swivelling mounting bracket (optional).
- Accommodates power source 110V or 220V, single voltage only.
- Specify HZ and voltage when ordering.
- The outer tube is manufactured from acrylic. When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

OPTIONAL

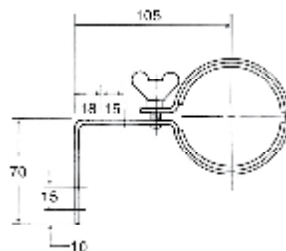
ORDER NO.	WEIGHT (kg)	CODE NO.
JF-110	0.3	1025-050
JF-111	0.3	1025-051
JF-112	0.65	1025-052
JF-115	0.1	1025-053



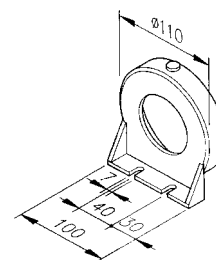
● JF-110 MOUNTING FIXTURE



● JF-111 MOUNTING FIXTURE



● JF-112 MOUNTING FIXTURE



● JF-115 MOUNTING STAND



Magnifying Fluorescent Work Light Beams



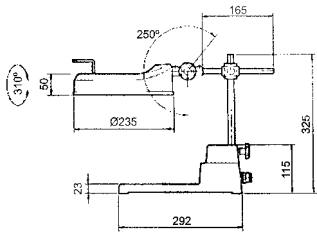
VHL-30TEB
BENCH TYPE



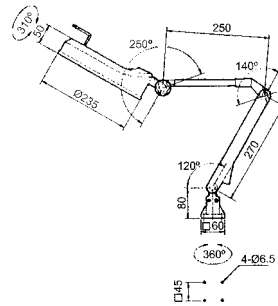
VHL-30MEB



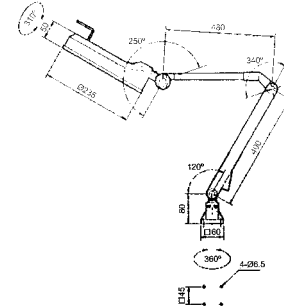
3X auxiliary lens (optional)
VHL-30LEB



VHL-30TEB BENCH TYPE



VHL-30MEB MEDIUM ARM



VHL-30LEB LONG ARM

VHL-30TEB

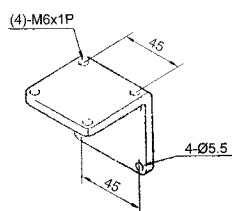
- Bench type model.
- Constructed with a wide base for placing object, allowing it especially suited for inspection lighting.
- Electronic ballast is built in arm.
- Accepts 22 watt fluorescent tube.
- 110V, or 220V operation. Supplied single voltage only. Specify desired voltage when ordering.
- Furnished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

Designed with a magnifier lens on luminaire head giving 3 times of magnification 3x than actual object. The fluorescent lighting provides day light effect without flash.

●OPTIONAL●

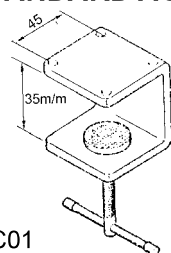
ORDER NO. VHL-3X
3X magnifier lens

●OPTION



J-L01
MOUNTING ANGLE
PLATE

●STANDARD ACC.



J-C01
MOUNTING CLAMP

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.

ORDER NO.	WEIGHT (kg)	CODE NO.
VHL-30TEB	3.5	1025-060
VHL-30MEB	2.9	1025-062
VHL-30LEB	2.9	1025-063
J-L01	0.6	1025-014
VHL-3X	0.3	1025-065

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



Water-Proof Halogen Lighting Beams



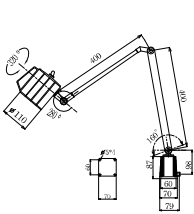
VHL-400L



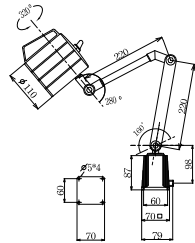
VHL-500S



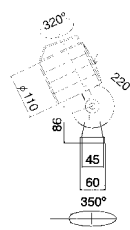
VHL-500L



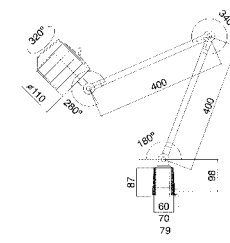
VHL-400L



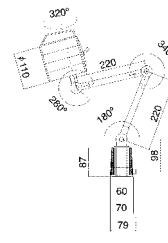
VHL-400M



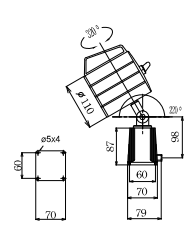
VHL-400S



VHL-500L



VHL-500M



VHL-500S

VHL-400L

- Water-proof lighting head with reinforced glass resists big temperature fluctuations of cutting oil.
- 12V/24V Voltage.
- Flexible Arm (round arm), 400x400mm
- With universal Lighting Base.
- Specifications of Bulb: 12V/50W.
- Different conditions demand different lighting bases. Selected rectangular L-type (#V-20) base or C-type (#V-21) base.

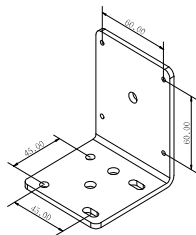
VHL-400M

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

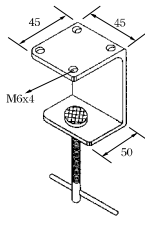
VHL-400S

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

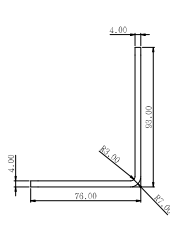
OPTIONAL



V-20



V-21



V-26

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.

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 (12V/50W). CUSTOMERS' SPECIFICATIONS ALSO ACCEPTED.

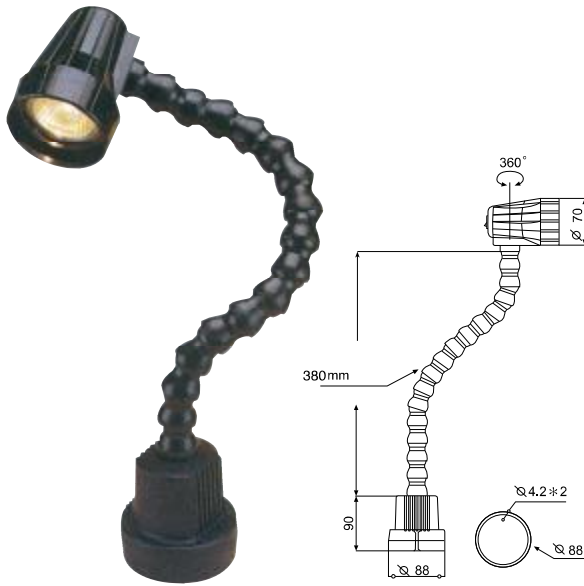
ORDER NO.	CODE NO.
V-20	1025-106
V-21	1025-107
V-26	1025-108

ORDER NO.	VOLTS	BULB	ARM LENGTH L x l	OPTIONAL ACCESSORIES	WEIGHT (N.W.)	CODE NO.
VHL-400L	110V - 220V	12V 50W	400x400	V-20 / V-21	3.8	1025-100
VHL-400M	110V - 220V	12V 50W	220x220	V-20 / V-21	3.5	1025-101
VHL-400S	110V - 220V	12V 50W		V-20 / V-21	2.8	1025-102
VHL-500L	110V - 220V	12V 50W - 24V 50W	400x400	V-20 / V-21	4	1025-103
VHL-500M	110V - 220V	12V 50W - 24V 50W	200x220	V-20 / V-21	3.8	1025-104
VHL-500S	110V - 220V	12V 50W - 24V 50W		V-20 / V-21	2.7	1025-105

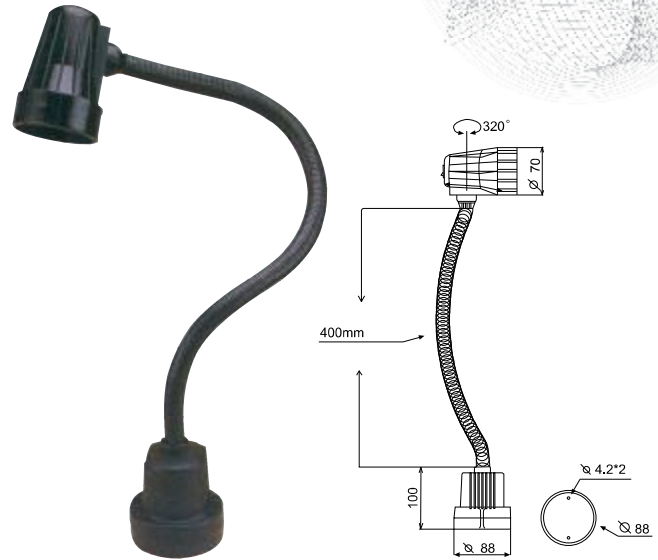


Dustproof Halogen Lamp Beams

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. Built in 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 L x l	OPTIONAL ACCESSORIES	WEIGHT (N.W.)	CODE NO.
VHL-600FT	110V - 220V	12V 20W	380	M-23	1.7	1025-109
VHL-700FT	110V - 220V	12V 20W	400	M-23	1.7	1025-110

V-B15		12V 50W / 24V 50W			0.009	1025-111
V-B16		12V 55W / 24V 70W			0.009	1025-112
V-T17	415V - 12 / 415V - 24 380V - 12 / 380V - 24 230V - 12 / 230V - 24				1.47	1025-113
V-T18	415V - 12 / 415V - 24 380V - 12 / 380V - 24 230V - 12 / 230V - 24				1.4	1025-114

V-T17



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

V-T18



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

V-B15



V-B15
12V/50W, 24V/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

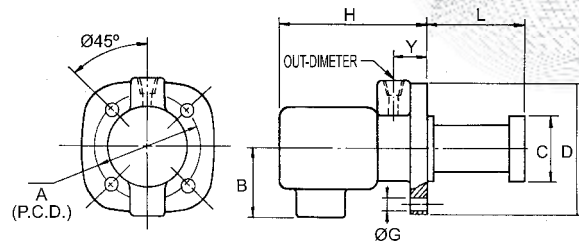


1/8 HP. Under Water Coolant Pump



Features

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



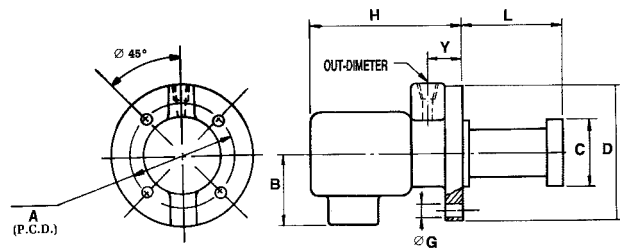
Unit:mm

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

ORDER NO.	TYPE	POWER	L m/m	PUMPING WATER		WEIGHT (kg)	CODE NO.
				1 m/min	2 m/min		
VWP-0810	UNDER WATER	1/8 HP	100	27ℓ-28ℓ	25ℓ-26ℓ	5.5	1026-001
VWP-0813			130			5.6	1026-002
VWP-0815			150			5.9	1026-003
VWP-0818			180			6	1026-004



1/4 HP. Under Water Coolant Pump



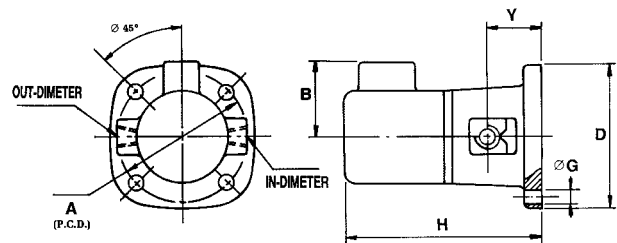
Unit:mm

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

ORDER NO.	TYPE	POWER	L m/m	PUMPING WATER		WEIGHT (kg)	CODE NO.
				1 m/min	2 m/min		
VWP-0415	UNDER WATER	1/4 HP	160	74ℓ-76ℓ	71ℓ-72ℓ	11.1	1026-010
VWP-0418			180			11.3	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

Unit:mm

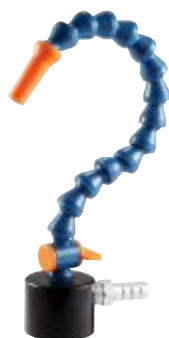
POWER	A	B	D	G	H	Y	IN-DIMETER	OUT-DIMETER
1/8 HP	140±0.2	105	165	Ø8	195	50±0.5	PT 3/8	PT 3/8
1/4 HP	185±0.2	125	225	Ø8	240	65±0.5	PT 1/2	PT 1/2

ORDER NO.	TYPE	POWER	PUMPING WATER		WEIGHT (kg)	CODE NO.
			1 m/min	2 m/min		
VWP-089	SELF	1/8 HP	26ℓ-27ℓ	24ℓ-25ℓ	5.9	1026-020
VWP-049	PRIMING	1/4 HP	73ℓ-75ℓ	70ℓ-71ℓ	11.6	1026-021

Coolant Pump Kits



1/8 HP & 1/4 HP

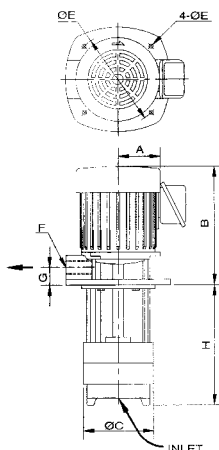


SET INCLUDING

- Coolant pump
- Coolant tank
- Connecting cable (w/plug for 1 ph)
- Coolant hose kit w/magnetic base
- Flexible conveying hose
- Drain hose
- Tool kits
- 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" x 330mm	3/8" x 360mm
Flexible conveying hose (ØxL)		3/8" x 1500mm	3/8" x 1500mm
Drain hose (ØxL)		1" x 300mm	1-1/4" x 400mm
Weight(kgs)		10.8	33
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/cm² 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 kg/cm ² (PSI)	VOLUMETRIC DELIVERY (ℓ/min)		DELIVERY HEAD (m)	WEIGHT (kg)	CODE NO.
												EMULSION	COOLING OIL			
VWP-MS2-180	2	3/4	135	255	135	9	170	3/4" or 1" (option)	28	180	3 (42)	140	116	30	15	1026-040
VWP-MS2-250										250						
VWP-MS3-200	3	1	135	275	135	9	170	3/4" or 1" (option)	28	200	4.5 (64)	140	116	45	16	1026-042
VWP-MS3-250										250						
VWP-MS4-230	4	1 1/4	135	275	135	9	170	3/4" or 1" (option)	28	230	6 (85)	140	116	60	18	1026-044
VWP-MS4-180										180						
VWP-MS5-210	5	1 1/2	135	275	135	9	170	3/4" or 1" (option)	28	210	7.5 (106)	140	116	75	20	1026-046

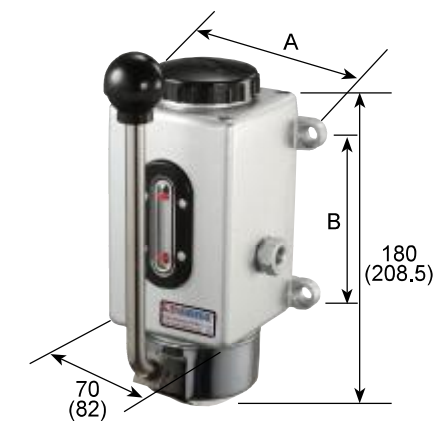


LT-4

● **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 ²)	capacity (c.c)	Efficient capacity (c.c)	WEIGHT (kg)	CODE NO.
LT-4	4	15	230	200	0.7	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-18	LT-18A
Size	85x85	100x110	98x107
Weight	1.2kg		

ORDER NO.	Discharged amount (c.c/st)	Max. discharged pressure (kg/cm ²)	capacity (c.c)	Efficient capacity (c.c)	CODE NO.
LT-6	6	15	350	250	1026-061
LT-18	8	15	600	400	1026-062
LT-18A	8	15	650	450	1026-063



EA-8L

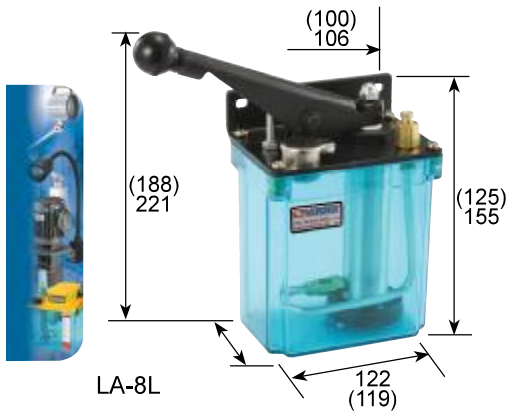
● **Pulling type hand pump EA model**

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 ²)	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"

Hand Lubrication Pumps



● Depressing type hand-pump model LA

Depress the lever repeatedly, first. The oil will be pressured out when it's depressed. Only after the lever is released, the pressured oil will be discharged.

ORDER NO.	Discharged amount (c.c/st)	Max. discharged pressure (kg/cm ²)	capacity (c.c)	Efficient capacity (c.c)	WEIGHT (kg)	CODE NO.
LA-8 R	1~8	5	1000	800	1.4	1026-082
LA-8 L						1026-083

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

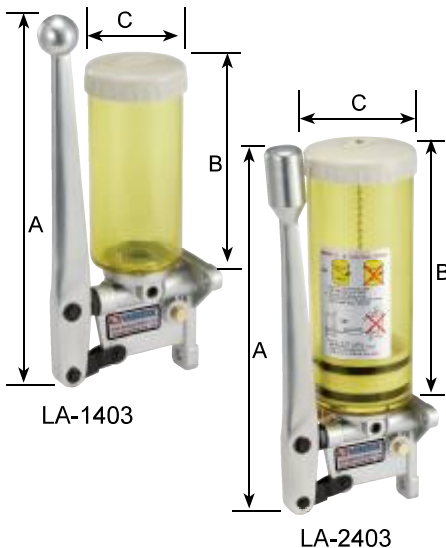


● Electrical automatic pump SMA model

The outstanding 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 ²)	Capacity (ℓ)	WEIGHT (kg)	CODE NO.
SMA-3	5, 10, 15, 30, 60	1~3	3	2	1.8	1026-090
SMA-6		3~	3	2	1.8	1026-091
SMA-8.5		4~8.5	3	2	1.9	1026-092

Motor's voltage is AC 110V or 220V



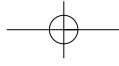
● Operation Instructions:

When move the operating rod, the plunger (iron core) will be moved simultaneously so as to make cylinder become under negative pressure. Then, due to closed air pressure of the tank, the grease will get into the cylinder from the suction port. Now, operate the rod to extrude out the grease through pipe in the cylinder by principle of the plunger pushing open the check valve. When inside pressure reaches to the specific pressure of 100kg/cm², down pressure valve will start to return the grease to the oil tank. The operating rod is to use of a spring to link on the injector, while the oil tank is tightly fixed on the injector as a round storage tank to prevent from oil leaking.

Advantages:

- Has smooth stickness to the lubricating surface with proper oiling capacity, so no surplus oil will be leaked out to stain with the surface of bench.
- No need to worry about the dirt & impurities entered into the oiling port, so it is more clean than other ways of lubrication.
- Manual type pump. Use of single pipe, so no need of pipe return device. With simple piping for best effect.

ORDER NO.	A	B	C	OIL	c.c./stork	VOLUME c.c.	PRESSURE kg/cm ²	VALVE	SPRAY MOUTH	CODE NO.
LA-1403	290	150	70	MACHINE OIL	2	300	60	SD	60 □	1026-100
LA-1408	310	205	90			800				1026-101
LA-2403	290	150	70	GREASE	2	300	100	SD	60 □	1026-102
LA-2408	310	205	90			800				1026-103



MEMO

