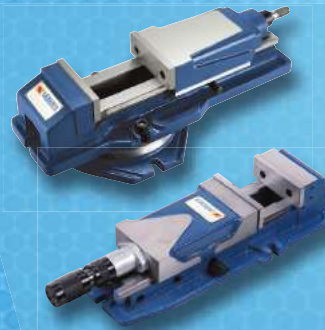
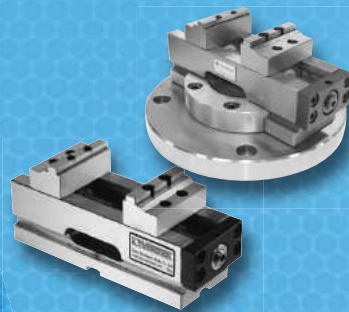
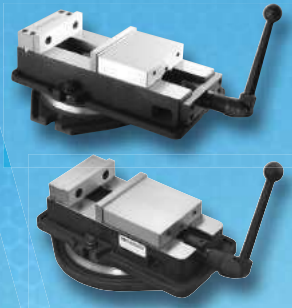
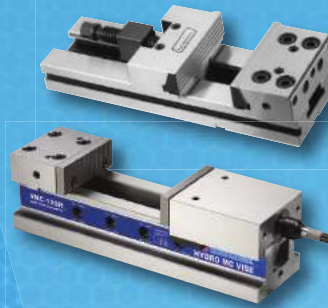
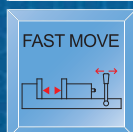
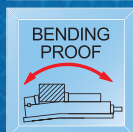
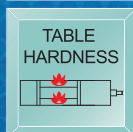
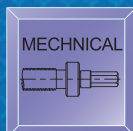
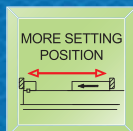
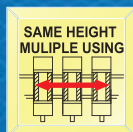
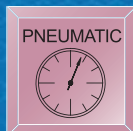
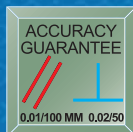
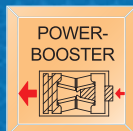
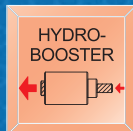
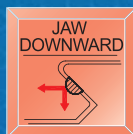




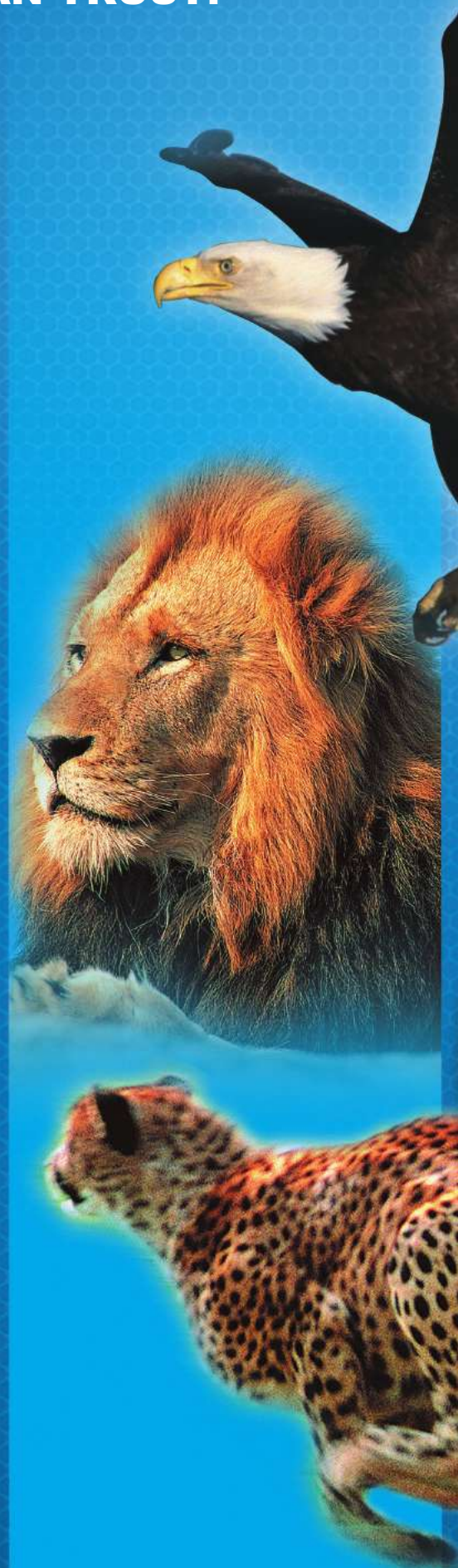
COOPERATIVE
ACCURACY
RESPONSIBILITY
SPEED
C.A.RE.S.



VERTEX, THE BEST YOU CAN TRUST!



- OUR PRODUCTS SUPPLIED BY "VERTEX" ARE ALL PASSED STRICT INSPECTION. TOLERANCE IS WITHIN ± 0.01 PER 100mm. IF END USER (TRAINED ENGINEER) OPERATE IT RIGHT, OUR PRODUCT HAS ONE YEAR GUARANTEE.
- CUSTOMERS IN GERMANY ARE SATISFIED WITH VERTEX QUALITY FOR OVER 15 YEARS.
- 95% OF GENERAL PRODUCTS ARE AVAILABLE IN STOCK. THE SIZES THAT MARK YELLOW ARE SPECIAL SIZES OR RARE IN THE MARKET. THE DELIVER TIME WILL BE SUBJECT TO CHANGE.
- THE PICTURE IN THE CATALOGUE IS JUST FOR YOUR REFERENCE ONLY. ACCORDING TO THE DIFFERENT SIZES, THE APPERANCES WILL BE DIFFERENT.
- SPECIFICATION AND CONTENT ARE SUBJECTS TO CHANGE WITHOUT NOTICE.
- WHEN YOU NEED TO CHECK THE ACCURACY, PLEASE USE A GRANITE PLATE AND LIABLE INSTRUMENT TO PERFORM THE CHECKING PROCESS.
- ANY CHECKING RESULT FROM MACHINE IS NOT ACCURATE.
- THE OFFER IS SUBJECT TO MARKET FLUCTUATION AND THE COST OF THE MATERIALS. THE PRICE MAY BE ADJUSTED HIGHER OR LOWER. VERTEX ALWAYS TRY TO KEEP PRICE STABLE FOR YEARS.
- ALL INSERTS & CUTTING TOOLS ARE FLOATING PRICES CONTACT US BEFORE ORDERING.
- IF THE QUANTITY IS LARGE, WE WILL OFFER SPECIAL DISCOUNT. CONTACT US FOR DETAILS.
- IF THE GOODS ARE DEFECTIVE AND YOU WOULD LIKE TO SEND THE GOODS BACK, PLEASE PACK THE GOODS AS SAME AS ORIGINAL, COMPLETE THE GOODS RETURN FORM ON VERTEX WEB Q&A.
- VERTEX RESERVED THE RIGHTS TO CHANGE THE SHAPE, COLORS AND QUANTITY. ALL SPECIFICATIONS AND DESIGNS IN THE CATALOGUES ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- EVERY VERTEX PRODUCT IS GUARANTEED FOR ITS FUNCTION NOT APPEARANCE.





ACCURACY
SPEED
PROFESSIONAL



Rotary Table System

A01 Horizontal / Vertical Rotary Table

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

A01 Horizontal / Vertical Rotary Table

HV-4

A02 Horizontal / Vertical Rotary Table**A03** Optional For Rotary Table

TS-1, 2, 3, 4

A05 Tilting Rotary Table

VUT-6

A05 Tilting Rotary Table

VUT-10

A05 Tilting Rotary Table

VUT-12

A06 Multiple Tilting Rotary Table

VUT-250, 300

A06 Optional For Rotary Table

DP-3, TS-3

Dividing Head System

A07 Semi-Universal Dividing Head

BS-0, 1

A07 Semi-Universal Dividing Head

BS-0-J-5

A08 Universal Dividing Head

BS-2

A08 Universal Dividing Head

BS-2-J-8

A08 Universal Dividing Head

BS-2A

A09 Super Indexing Spacer

CS-6, 8

A09 Super Indexing Spacer

CS-6, 8

A10 Simple Indexing Spacer

CC-12

A10 Simple Indexing Spacer

CC-8

Index Table

A11 Precision Index Table

VIT-450, 600, 700, 800

A11 Precision Index Table

VIT-1000, 1200

A11 Precision Index Table

VIT-300

Rotary Chuck

A12 Economical Type Rapid Index

VSI-4, 5

A12 Simple Rotary Chuck

VSR-6, 8, 63, 83

A12 Simple Rotary Chuck

VSR-63

Angle Chuck

A13 Precision Universal Angle Chuck

VUA-100J

A13 Precision Universal Angle Chuck

VUA-ER40

A13 Free Angle Rotary Chuck

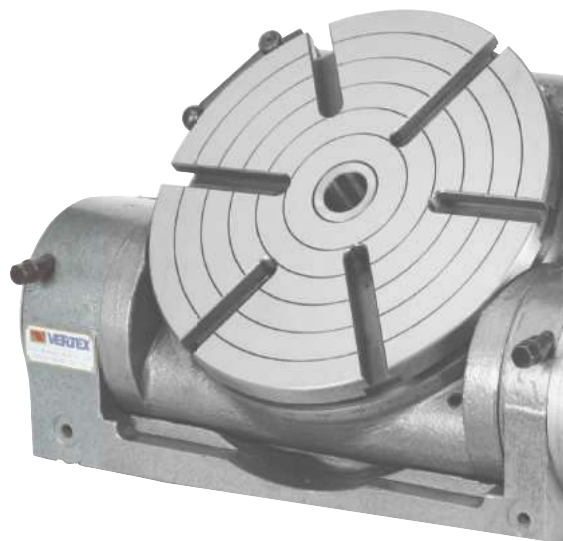
VAV-4J,5J

A14 Universal Tilting Rotary Table

VU-100, 150, 200

A14 Universal Tilting Rotary Table

VU-300





Vise System

A15

Hydraulic Machine Vise



VH-4, 5, 6, 8, 8L

A15

Hydraulic Machine Vise



VH-12

A16

Tilting Hydraulic Machine Vise



VHT-4, 6

A17

Universal Tilting Hydraulic Machine Vise



VHT-4U, 6U

A18

Hydraulic Machine Vise



VHO-5, 6, 8

Angle Milling Vise System

A19

Ang-Fixed Milling Vise



VA-4, 5, 6, 8

A19

Ang-Fixed Milling Vise



VD-675, 690, 810

A20

K-Type Milling Vise



VK-4, 5, 6, 8

A20

K-Type Milling Vise



VK-4, 5, 6, 8

A21

Super Open Vise



VJ-400, 500, 600

A21

2-Way Angle Milling Vise



VWT-4B

A21

2-Way Angle Milling Vise



VWT-6B

A22

3-Way Angle Milling Vise



VW-3, 4, 5

A22

Quick Index Holder



VFV-40H

A22

Quick Index Holder



VFV-41S

Tilting Vise

A23

Power Tilting Vise



VUT-4NC, 5NC, 6NC

A23

Power Tilting Vise



VUT-4NC, 5NC, 6NC

A24

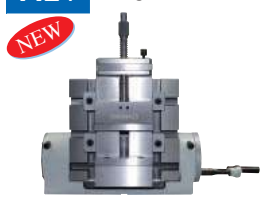
Tilting Quick Vise



VUT-3QS, 4QS, 5QS

A24

Tilting Quick Vise



VUT-3QS, 4QS, 5QS

Centering Vise

A25

Self Centering Vise



VCV-1090

A25

Self Centering Vise



VCV-0611

A25

Self Centering Vise



VCV-0611S

Modular Vise

A26

Modular Precision Machine Vise



VMP-4 ~ VMP-12E

A27

Modular Precision Hydraulic Machine Vise



VMP-6BH ~ VMP-12EH

A28

Modular Machine Free Vise - L Type Vise



VMP-4L, 5L, 6L, 7L

A28

Modular Machine Free Vise - D Type Vise



VMP-44D, 55D, 66D, 77D

Vise System

A29

Free Angle Vise



VAV-3, 4

A29

Lock-Fixed II Precision Machine Vise



VMC-4, 6

A30

Double Clamp Vise



VCV-4D

A30

Compound Precision Vise



VCV-44





MC Power Vise

A34 MC Power Vise

NEW



VQC-100 ~ 200L

A36 MC Power Vise Hydraulic Type

NEW



VQC-100H ~ 200LH

A37 MC Power Vise

NEW



VQC-100LC ~ 2002LC

A38 MC Power Vise Hydraulic Type

NEW



VQC-100HC ~ 200LHC

A39 Universal MC Power Vise

NEW



VQCV-125H-L, R, 160H-L, R

A43 Precision MC Power Vise

VMC-100HV~200HV

A43 Precision MC Power Vise

VMC-100HV~200HV

A43 Precision MC Power Vise

VMC-100HV~200HV

A44 Precision Compact MC Vise

VMC-100M~200M

A44 Precision Compact MC Vise

VMC-100M~200M

VNC Vise

A45 NC Hydro Machine Vises

NEW



VNC-100H, 125H, 160H, 160LH

A47 Combination MC Power Free Vise

NEW



VNC-100FV, 125FV, 160FV

A48 VNC Axial Drive & Plain Jaw

NEW



VNC-4AD, 5AD, 6AD

A48 VNC Axial Drive & Plain Jaw

NEW



VNC-4AD, 5AD, 6AD

Convenient / Quick / Milling Vise

A49 Super-High Jaw MC Vise

NEW



VQHJ-5, 6

A50 Precision Pneumatic Ang-Fixed Power Vise

VMC-5P, 6P, 6PL, 7P, 8P, 8PL

A50 Precision Pneumatic Ang-Fixed Power Vise

VMC-6PD

A51 Convenience Type Machine Vise

NEW



VCM-47

A51 Super Opened Ang-Fixed Machine Vise

NEW



VMC-4L

A52 Horizontal Moving Quick Vise

NEW



VQW-80, 100, 130

A52 Quick Setting Vise

VQS-3, 4, 5

A53 Machine Vise For Shaping & Milling Use

VSM-12, 16, 20

A53 B-Type Milling Vise

VBV-4, 5, 6

A54 Super Open Drill Vise

NEW



VRV-4, 5, 6

A54 Free Vise

FV-350, 450, 550

A54 Free Vise

SV-62, 85, 125

A55 Drill Vise

NEW



DV-85, 100, 120

A55 Steel Bench Vise With Base

NEW



BVV-3, 4, 5, 6, 8, 10

A55 Quick Bench Vise

NEW



VQS-40



Work Clamping

A56 Universal Work Stopper



VWS-123, 125

A56 T Slot Clamps



CK-3712, 3714, 3716, 3718, 3720

A57 Universal Jaws With Down Press Clamp



VWSJ-R100, R130, R160, R200

A57 Universal Vise Jaws With Work Stopper



VWSJ-4, 5, 6, 8

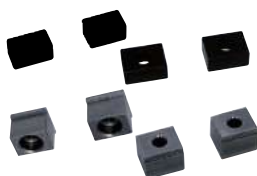
A57 Prisma Jaw



VWS-

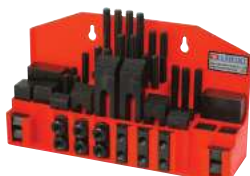
Clamping Kit

A58 Screw Guide Block



12TO12, 16TO14, 14TO16

A59 52-PCS Steel Clamping Kit



CK-103A~206, 08~18

A59 T-Slot Nut



3142M~, 3413I~

A60 Coupling Nut



2612M/I~

A60 Flange Nut



2512/I~

A60 Clamping Studs



1323M~

A61 Step Clamp



6113~

A62 Step Block



5114~

A63 Flange Nut



CFN1017~1827

A63 C-Clamp Cast Steel



VCL-2C ~ 8C

Screw Jack

A63 Screw Jack



VSJ-40, 70, 150, 250, 500

A64 Screw Jack With Magnet



VSJM-50, 70, 85, 110, 165

A64 Screw Jack Set



VSJ-A, B

A64 Screw Jack Set



VSJ-1A, 2A, 3A

A64 Screw Jack Set



VSJ-4A, 5A, 6A

Ground Parallels System

A65 Ground Parallels



VP-100

A65 Ground Parallels



VP-118A

A65 Ground Parallels



VP-128A

A66 Precision Parallels



VP-136

A66 VP-018 Thin Type Parallels Set



VP-018

A66 VP-163 Precision Parallels



VP-163

A67 VP-064 Precision Parallels



VP-064

A67 VP-050 Precision Parallels



VP-050

A67 VP-033 Precision Parallels



VP-033

A68 VP-146 Ground Parallels



VP-146

A68 VP-168 Ground Parallels



VP-168

A68 VP-200 Ground Parallels



VP-200



Plate System

A69 Heavy Duty Tilting Plate

NEW



VUT-1515, 2726, 3230

A70 Light Duty Tilting Plate

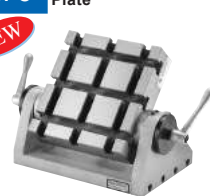
NEW



VU-1517

A70 Light Duty Tilting Plate

NEW



VU-2122

A71 Adjustable Angle Plate


VP-180, 250, 380, 600

A71 Angle Plate With Swivel Base


VP-250S, 380S

A72 Precision Cross Table


VCT-407

A72 Precision Cross Table


VCT-514, 820, 1024

A72 Precision Cross Table


VCT-830

A73 Cross Table


VCT-512

A73 Precision Cross Table


VCT-520RT

Angle Plate

A74 Right Angle Plate


VR-6, 8, 10, 12

A74 Precision Right Angle Plate


VRH-4, 5, 6, 8

A74 Slotted Angle Plate


VR-45, 60, 80, 120

A74 Slotted Angle Plate


VR-100

A74 Plain Angle Plate


VR-22 ~ 1212

A75 U-Clamp


VCA-404, 405, 406, 408

A75 Pivot Clamp


VCB-404, 405, 406, 408

A75 Hand Drift


VHD-1

A76 Eye Shield


VH-56

A76 Eye Shield With Magnetic Base


VH-57

A76 Milling Table Slot Cover


VST-10 ~ 36

A76 Vee Blocks


V-2V, 3V, 4V, 5V, 6V, 7V, 8V

A77 Auto Center Punch


VACP-1

A77 Draw Bar


VDR-R8, NT30, NT40

A77 Expandable Machine Guard Cover


B TYPE

VGC-3775B ~ 6085B

A77 Expandable Machine Guard Cover


F TYPE

VGC-3775F ~ 6085F

A78 5C. C32. OZ25 Collet Rack


VMS-5

A78 Table Slot Plate


TP-90-18 ~ TP-150-24

A78 Parts Storage


VHP-1218 ~ 3045

A79 Right Angle Head


VRA-R8, NT 30, NT 40

A79 Horizontal Milling Attachment


VHA-R-8, NT-30, NT-40

A80 Power Table Feed


VPF-500 X, 500 Y, 500 X, 99 X

A81 Air Power Drawbar


PD-150, 200

A82 Precision Slotting Head


VSH-125



Chamfering & Deburring

A83 Universal Cutter Grinder

U2

A84 Tool Cabinet Stand

NEW



VTC-20

A85 Chamfering & Deburring Unit

VCF-500

A85 Chamfering & Deburring Unit

VCF-500W

A85 Chamfering & Deburring Unit

VCF-500F

A86 Chamfering & Deburring Unit

VCF-500S

A86 Chamfering & Deburring Unit

VCF-600

A86 Chamfering & Deburring Unit

VCF-700

A87 Chamfering & Deburring Unit

VCF-300A

A87 Ejector Pin Cutting-off Unit

VEC-100

A88 Rods Precision Cutting-Off And End Surface Grinding Unit

VEC-300G, 500G, 600G



Pump System

A101 1/8 HP. Under Water Coolant Pump

VMP-0810, 0813, 0815, 0818

A101 1/4 HP. Under Water Coolant Pump

VMP-0415, 0418, 0420, 0424, 0427

A101 Self Priming Coolant Pump 1/8 HP. 1/4 HP

VMP-089, 049

A102 Coolant Pump Kit

VWP-81-150K, VWP-41-180K

A102 Under Water Type Multi-stage High Pressure Coolant Pump

VWP-

A103 Hand Lubrication Pump

LT-4

A103 Hand Lubrication Pump

LT-6, 18, 18A

A103 Hand Lubrication Pump

EA-8 R, 8 L

A104 Hand Lubrication Pump

LA-8 R, 8 L

A104 Hand Lubrication Pump

LA-1403, 1408

A104 Hand Lubrication Pump

LA-2403, 2408

A104 Electrical automatic pump SMA model

SMA-3, 6, 8.5

Shock Absorber

A105 Shock Absorber

NEW



VSA-150K

A105 Shock Absorber

NEW



VSA-150H

A106 Shock Absorber

NEW



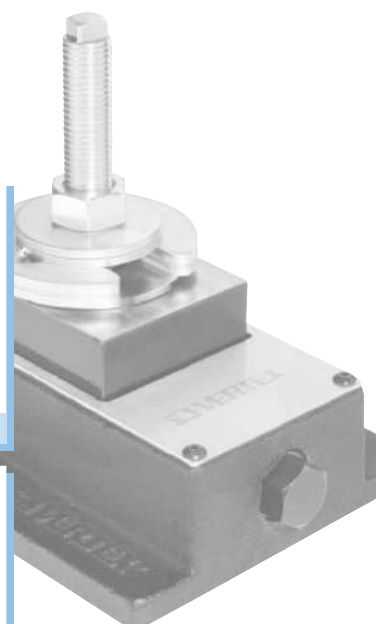
VSA-35K, VSA-35K-6RU

A106 Shock Absorber

NEW



VSA-25K





Lamp Beam

A89 Dustproof Halogen Lamp Beam


VHL-300L

A89 Dustproof Halogen Lamp Beam


VHL-300M

A89 Dustproof Halogen Lamp Beam


VHL-300S

A91 Dustproof Halogen Lamp Beam


VHL-300LR

A91 Dustproof Halogen Lamp Beam


VHL-300MR

A91 Dustproof Halogen Lamp Beam

NEW



VHL-300SR

A91 Dustproof Halogen Lamp Beam


VHL-300 1/2MR

A92 Quartz Halogen Lamp Beam


VHL-20FT, 20F

A92 Water - Proof Bright LED Signal Light

NEW



VLED-SL

A93 Cool Light Beam


VHL-

A93 Waterproof Reflector LED Lamp

NEW



VLED-W13, W18, W36

A93 Workshop LED Lmap

NEW



VLED-1080,2160

A94 Magnifying Fluorescent Work Light Beam


VHL-30TEB

A94 Magnifying Fluorescent Work Light Beam


VHL-30MEB

A94 Magnifying Fluorescent Work Light Beam


VHL-30LEB

A95 Water-Proof Halogen Lighting Beam


VHL-400L

A95 Water-Proof Halogen Lighting Beam


VHL-500S

A95 Water-Proof Halogen Lighting Beam


VHL-500L


A96 Water-Proof Halogen Lighting Beam


VHL-500L

A96 Water-Proof Halogen Lighting Beam


VHL-500L

A96 Water-Proof Halogen Lighting Beam


VHL-500L

A97 Dustproof Halogen Lamp Beam


VHL-600FT

A97 Dustproof Halogen Lamp Beam


VHL-700FT

A98 Water Proof LED Lamp


VLED-400L

A98 Water Proof LED Lamp

NEW



VLED-400M

A98 Water Proof LED Lamp

NEW



VLED-500L

A98 Water Proof LED Lamp

NEW



VLED-500M

A98 Water Proof LED Lamp

NEW



VLED-500S

A99 Concentrate LED Lamp

NEW



VLED-30L,30L

A99 Wide Range LED Lamp


VHL-50FT

A100 Wide Range LED Lamp

NEW



VHL-37FT

A100 Concentrate LED Lamp

NEW



VLED-20L

A100 Concentrate LED Lamp

NEW



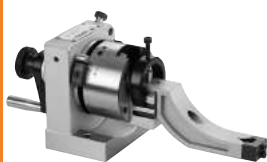
VLED-50FT

LED Lamp



Punch Former System

B01 Punch Former



V-PB

B01 Punch Former



V-PB

B02 Punch Former



V-PS

B02 Punch Former



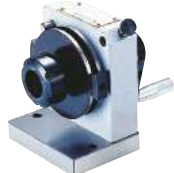
V-PS

B02 Special Part Accessory
For Angular Dressing

V-PF

B03 3-Jaws Punch
Former

V-PS-80J

B03 ER Collet Dividing
Punch Former

V-PS-ER32

B03 ER Collet Dividing
Punch Former

V-PS-ER40

B04 ER Collet Dividing Punch
Grinder With Sine Plate

V-PS-ER32S

B04 ER Collet Dividing Punch
Grinder With Sine Plate

V-PS-ER50S

B04 3-Jaws Punch Former
With Sine Plate

V-PS-80JS

B05 Punch Former With
Sine Plate

V-PB-BS, V-PS-SS

B05 Punch Former With
Sine Plate

V-PB-BS, V-PS-SS

B05 Sine Plate For All
Type Punch Former

V-PS-SP

B06 Concentric Test Stand



VCI-150P, 250P, 350P

B06 Fixed Speed Punch
Former

V-PS-80M

B07 Punch Grinder



V-PGS

B07 Punch Grinder



V-PG

B08 Punch Grinder

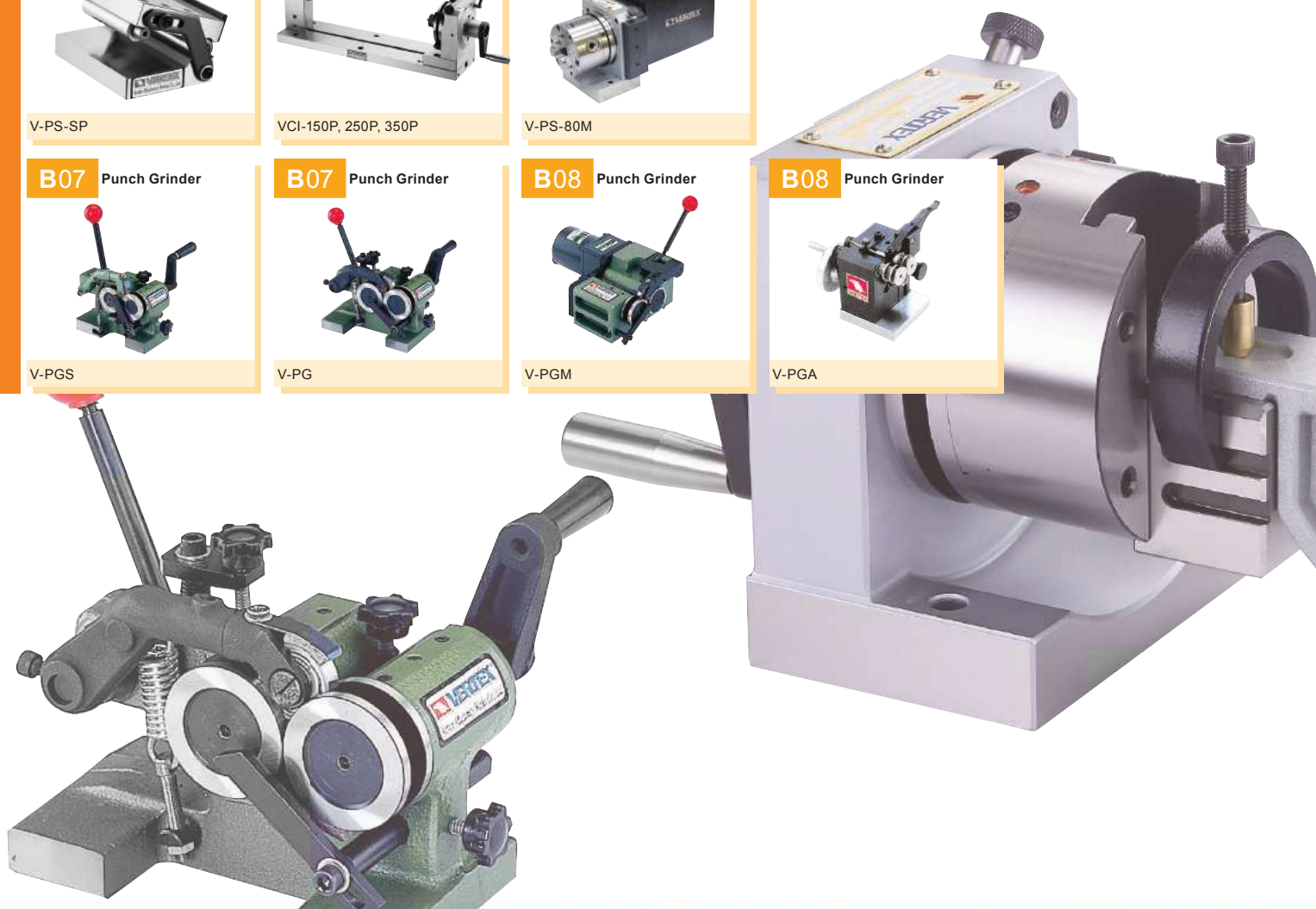


V-PGM

B08 Punch Grinder



V-PGA

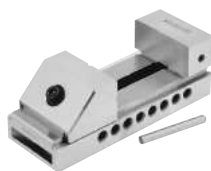




Tool Maker Vise System

B09 Mine Tool Maker Vise

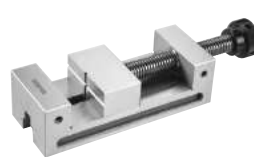
VMV-10

B09 Tool Maker Vise

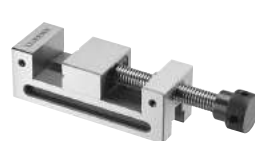
VMV-15~60

B09 Tool Maker Vise

VMV-15~60

B10 Tool Makers Vise

VDV-20~40

B10 Tool Makers Vise

VDV-20~40

B11 Sine Vise

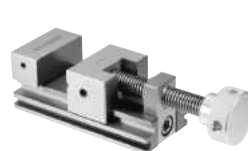
SVB-20~30

B11 Sine Vise

SVD-200~300

B12 Tool Makers Vise

VC-20~40

B12 Tool Makers Vise

V-VE20~VE30

B13 Precision Universal Angle Vise

VUA-3, VUA-4

B13 Precision Universal Angle Vise

VUA-3, VUA-4

B13 Precision Universal Angle Plate

VUA-408, VUA-510

B14 Precision Universal Angle Chuck

VUA-100J

B14 Precision Universal Angle Collet Chuck

VUA-ER40

B15 Precision Sine Vise

SVC-100

B15 Precision Sine Vise

SVL-50

B15 Two Way Vise

SVS-100

B16 Sine Bar With Magnetic

V-S50M, S100M

B16 Sine Bar

VS-100

B16 Sine Bar-Inch

V-S25, S50

Stainless Vise System

B17 EDM Tool Marker Vise (STAINLESS)

VSTV-50W

B17 EDM Tool Marker Vise (STAINLESS)

VSTV-100W

B18 EDM Tool Marker Vise (STAINLESS)

VSTV-150W

B18 EDM Tool Marker Vise (STAINLESS)

VSTV-320W

B19 Electrode Vise (Stainless)

VEH-20MS

B19 Electrode Vise (Stainless)

VEH-20DS

B20 Tool Maker Vise (STAINLESS)

VSTV-10V

B20 Tool Maker Vise (STAINLESS)

VBST-30

B20 Tool Maker Vise (STAINLESS)

VSTV-20, VSTV-25

B21 Electrode Vise

VEH-20

B21 Electrode Holder

VEH-20

B21 Electrode Holder

VRA-20~100

B21 Electrode Holder

VRA-20~100





EDM Parts

B22 EDM Wire (BRASS & COPPER)

VEW-10H ~ 30S

B23 Wire Dies Guide

M118 ~ F121

B23 Wire Dies Guide

F101 ~ F124

B24 Electrode (Copper & Brass Pipe Electrode)

VEB / VEP / VES ~

B24 EDM Filter For EDM (Oil)

NH-01, 09, 09S, 600L



Angle Plate / Block

B25 Angle Plate

VAP-1

B25 Angle Plate

VAP-2

B25 Angle Plate

VAP-3

B25 Micro-Adjustable Angle Plate

VAPM-1 ~ 3

B26 Precision V Block

V-5VA, 3VA-S, 4VA-S, 5VA-S

B26 Precision Angle Blocks

AB-130

B26 Universal Angle Block Set

AB-163,164

B27 Micrometric Tangent Bar & Angle Gauge Block Set

AB-166

B27 Solid Angle Plates

AB-167

B27 Precision Angle Blocks

AB-113

B28 Hardened Steel Squares

SS-304, 306, 308, 310, 312

B28 Square

FS-204, 206, 208

B28 Precision Steel Angle Plates

VRS-33, 44, 46, 85, 1206

V-Block

B29 V-Block With Clamps

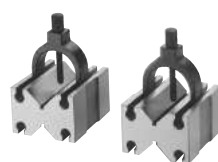
VBC-195, 196, 197

B30 V-Block With Clamps

VBC-003

B30 V-Block With Clamps

VBC-006

B30 V-Block With Clamps

VBC-243

B30 V-Block With Clamps

VBC-009



Tangimatic Dresser / Angle Dresser

B31 Tangimatic Dresser



Small
V-TDA

B31 Tangimatic Dresser



Mid.
V-TDA

B31 Tangimatic Dresser



Big
V-TDA

B31 Tangimatic Dresser Handy Type



V-TDH

B31 Radius And Angle Dresser



V-TDB

B32 Universal Wheel Dresse



V-TDC

B33 Precision duplex Dressr



V-TDF

B33 Radius And Angle Dresser



V-TDG

B33 Radius And Angle Dresser



V-TDE

B34 Optical Radius Angle Dresse



V-TDT

B34 Matco Sine Dresser



VP-50

B34 Matco Sine Dresserr



V-50D

B35 Diamond Wheel Dresse



V-TDD

B35 Motor type CBN Flat Wheel Dresser



V-TDM-1, 2

Balancing Stand

B35 Parallel Wheel Dresser



V-TDP

B35 Wheel Hanger



VWH-24, 32

B36 Grinding Wheel Flang



FKT-250, FTA-350

B36 Grinding Wheel Flang



FKT-250, FTA-350

B36 Wheel Balancing Stand



WBS-300

B36 Level Ballancing Stand



LBS-100, 350

B36 Driving Carrier



VDC-13~100





Mag. Sine / Mag. Plate System

B37 Sine Plate

V-47-6120

B37 Compound Sine Plate

V-47S-612S

B38 Magnetic Sine Plate

V-47M-612M

B38 Magnetic Sine Plate With Fine Pole

V-47MF-612MF

B39 Adjustable Sine Plate With Fine Pole Magnetic Chuck

V-66SA

B39 Double Way Sine Plate With Permanent Magnetic Chuck

V-47MS-612MS

B39 Double Way Sine Plate With Fine Pole Magnetic Chuck

V-47MSF-612MSF



Magnetic / Plate/ Chuck / Block System

B40 Rotary Permanent Magnetic Plate

VLU-510B, 612B, 618B

B40 Rotary Fine Pole Permanent Magnetic Plate

VLU-407BF ~ 618BF

B40 Hi-Power Mini Type Permanent Magnetic Plate

VG-404H, 407H, 410H

B41 Angular Permanent Magnetic Plate

VG-407 ~ 1224

B41 Middle Pitch Permanent Magnetic Chuck

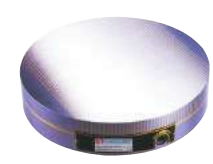
VGF-1018B ~ 1530BS

B42 Fine Pole Magnetic Plate

VRTW-1018A ~ 1325S

B42 Round Type Magnetic Plate

VGD-06, 08, 10, 12

B42 Fine Pole Round Type Magnetic Plate

VGDW-6, 8, 10, 12

B43 Standard Pole Electro Magnetic Chuck

VEM-1530A ~ 50100A

B43 Super-Powerful Electric Magnetic Chucks

VEM-2040Z ~ 60100Z

B44 Chuck Controller (For Rectify & Demagnetize)

VCC-705

B44 Chuck Controller (For Rectify & Demagnetize)

VCC-805A, 815

B44 Chuck Controller (For Rectify & Demagnetize)

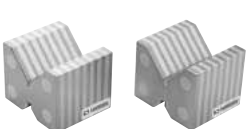
VCC-820

B44 Variable Speed Rotary Magnetic Chuck

VRM-8, 10

B45 Magnetic Transisting Block

VCP-1

B45 Magnetic Transisting Block

VCP-2

B45 Magnetic Transisting Block

VCP-3

B45 Magnetic Transisting Block Se

VCP-6

B45 Magnetic Adjustable Linkor

VCP-5

B46 Magnetic Steel Sheet Separator

VCP-10, 11

B46 Magnetic Chip Collector

VCP-15

B46 Magnetic Separating Bar Unit

VMS-7B

B46 Magnetic Separating Bar Unit

VMS-9B



Magnetic Tools System

B47 Permanent-Electro Magnetic Chuck


VPE-2540 ~

B48 Permanent-Electro Magnetic Chuck


VPE-40100 ~

B49 Permanent Magnetic Lifter (ON/OFF Type)


VML-100

B49 Permanent Magnetic Lifter (ON/OFF Type)


VML-600

B49 Permanent Magnetic Lifter (ON/OFF Type)


VML-2000

B51 Magnetic Lifter


VGP-100, 200

B51 Magnetic Lifter


VML-150

B51 Magnetic Lifter


VML-80

B51 Demagnetizer


VML-140

B52 Demagnetizer


VDM-40, 50

B52 Demagnetizer


VDM-68

B53 Demagnetizer


VDM-8, 11

B53 Mini Type Demagnetizer


VDM-9

B53 Tunnel type Demagnetizer And Magnetizer


VDM-150, 250, 450

B54 Chip collector Mini Handy Type


VCC-16

B54 Chip Collector With Adjustable Arm Type


VCC-17A

B54 Chip Collector With Wheels


VCC-19

B54 Chip Collector With Flexible Arm


VCC-20

B54 Chip Collector With LED


VCC-21

Magnetic V Block

B55 Magnetic V Block


VCP-25

B55 Magnetic V Block

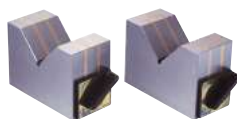

VCP-26

B55 Magnetic V Block


VCP-26

B55 Magnetic V Block


VCP-27

B55 Magnetic V Block


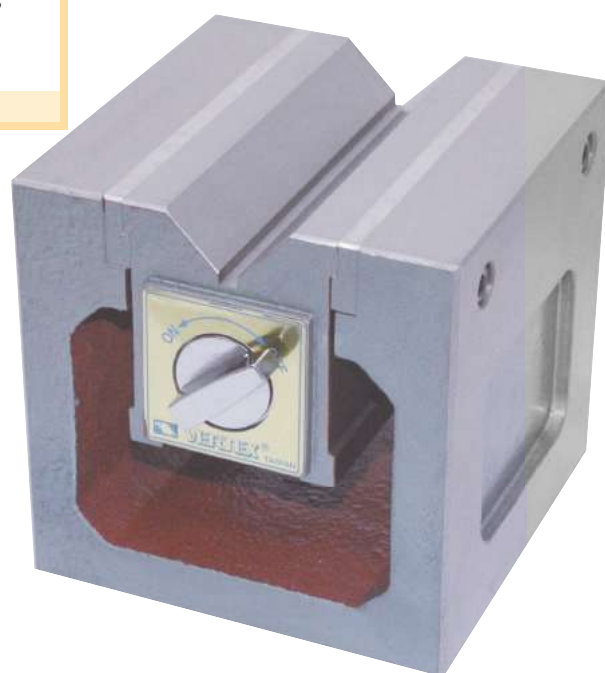
VCP-29,30

B56 Magnetic Square Block


VCP-31,32

B56 Magnetic Square Holder


VCP-40





Magnetic Tools System

B57

Magnetic Tools



VMB-B

B57

Magnetic Tools



VMB-01

B57

Magnetic Tools



VMB-02

B57

Magnetic Tools



VMB-03

B57

Magnetic Tools



VMB-181

B57

Magnetic Tools



VMB-185

B58

Magnetic Tools



VMB-70

B58

Magnetic Tools



VMB-106

B58

Magnetic Tools



VMB-106H

B58

Magnetic Tools



VMB-160

B58

Magnetic Tools



VMB-180

B57

Magnetic Tools



VMB-06, VML-A

B58

Magnetic Tools



VML-B, C

B60

Magnetic Tools



VML-M, VTB-120

B60

Magnetic Tools



VMB-00~12

B61

Magnetic Tools



VMF-112, 113

B61

Magnetic Tools



VH-70

B61

Magnetic Tools



VMF-102A, 102B

B59

Magnetic Tools



VMS-1/4, 3/8

B62

Magnetic Tools



VMH-54

B62

Magnetic Tools



VMH-62

B62

Magnetic Tools



VMH-63

B62

Magnetic Tools



VMH-64

B62

Magnetic Tools



VMH-65

B63

Thin Round Magnet



VMH-D13

B63

Thin Round Magnet



VMH-D30

B63

Round Magnet Holder



VMD-R30, 50

B63

Round Magnet Holder



VMD-S14

B63

Round Magnet Holder



VMD-S20

B64

Magnetic Tapper



VTM-13

B64

Magnetic Clamp



VCC-30, 31

B64

Magnetic Quick Clamp



VCC-33, 34, 35

B65

Multi-Function Mist Coolant System



VCS-500

B65

Mist Coolant With Magnetic Base



VMH-71

B65

Diamond Dressing Tools



VDR-1010~5012



Nozzle Kit

B66 Adjustable Magnetic Nozzle Kit

CL-03

B66 Adjustable Magnetic Nozzle Kit

CL-03A

B66 Adjustable Magnetic Nozzle Kit

CL-02

B66 Adjustable Magnetic Nozzle Kit

CL-02, 02A

B66 Adjustable Coolant Hose

CL-01

B66 Adjustable Coolant Hose

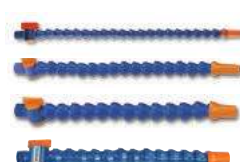
CL-01A

B66 Adjustable Coolant Hoses & Valves

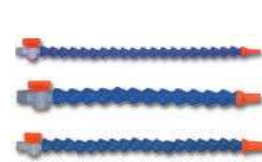
L2-S

B66 Adjustable Coolant Hoses & Valves

S-1

B67 Adjustable Coolant Hoses & Valves

VHK-1/4, 3/8, 1/2, 3/4

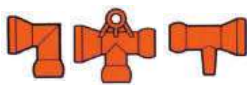
B67 Adjustable Coolant Hoses & Valves

VHK-1/4A, 3/8A, 1/2A

Coolant Hose

B68 1/4" System

V-82020 ~

B68 1/4" System

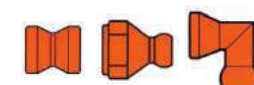
V-82020 ~

B68 1/4" System

V-82020 ~

B69 1/2" System

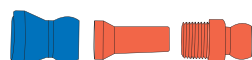
V-84040 ~

B69 1/2" System

V-84040 ~

B69 1/2" System

V-84040 ~

B70 3/8" System

V-83030 ~

B70 3/8" System

V-86060 ~

B70 3/4" System

V-86060 ~

B70 3/4" System

V-86060 ~

Paper Filter

B71 Paper Filter

PF-20 ~ 160

B71 Magnetic Separator

MC-20 ~ 60

B71 Magnetic Separator

MC-80 ~ 160

B72 Magnetic Separator & Paper Filter

MC+PF-20 ~ 60

B72 Magnetic Separator & Paper Filter

MC+PF-80 ~ 160

Coolant Tank

B73 Coolant Tank

VC-601

B73 Coolant Tank

VC-602

B73 Dust-Suction And Coolant Tank

VC-603

B73 Dust-Suction And Coolant Tank

VC-606

Oil Skimmer

B74 Oil Skimmer With Belt Type

VOS-800

B74 Oil Skimmer With Belt Type

VOS-810

B74 Oil Skimmer With Belt Type

VOS-820

B74 Oil Skimmer With Belt Type

VOS-830

B74 Oil Skimmer With Rotary Plate Type

VOS-850



Gauge Block

B75 Precision Gauge Blocks

VGB-112-0 ~

B75 Ceramic Gauge Blocks

VGB-112T-0 ~

B76 Ceramic Gauge Blocks

VGB-112C-0 ~

B76 Ceramic Gauge Blocks

VGB-87C-0 ~

Surface Plate

B77 Cast Iron Surface Plates

VS-01 ~ 13

B77 Cast Iron Surface Plates Stand

VSD-09N ~ 13N

B78 Black Granite Surface Plates

VSG-04 ~ 21

B78 Black Granite Surface Plates Stand

VSGD-09N ~ 21N

B78 Black Granite Surface Plates Stand

VSGD-09N ~ 21N

Granite Ruler / Block / Stand / Pin Gauge

B79 Granite Square Rulers

VQR-400, 500

B79 Granite Straight Rulers

VSR-630

B79 Granite Straight Rulers

VSR-1000

B79 Granite Triangle Ruler

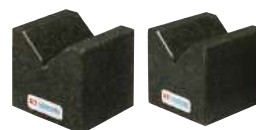
VGT-300 ~ 600

B79 Granite Triangle Ruler

VGT-300 ~ 600

B80 Granite V-Block

VGV-63

B80 Granite V-Block

VGV-100

B81 Horizontal Leveling Instrument

VLI-200A, 300A

B81 Precision Square Level

VSL-200A, 300A

B81 Granite Surface Stand

VH-41 ~ 43

B81 Granite Surface Stand

VH-45 ~ 47

B81 Tester Arm Base

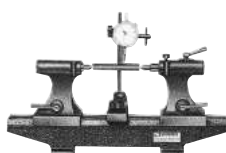
VTB-120

B81 Tester Arm Base

VTB-120

B82 Cleaning Paper

P-1000

B82 Concentric Test Stand

VCI-400

B82 Concentric Test Stand

VCI-200

B82 Pin Gauge

VPG-0B ~ 10B





Measuring Instrument System

B83 Precision Vernier Caliper

VVC-6" ~ 12"

B83 Digital Electronic Caliper

VEC-6" ~ 12"

B83 Dial Caliper

VDC-6 ~ 12

B83 Outside Micrometer

VOM-0025 ~ 100125

B83 Inside Micrometer

VIM-0530 ~ 100125

B83 Micrometer Stand

VH-19

B84 Dial Indicator

VDI-1

B84 Dial Test Indicator

VDI-0.8A

B84 Height Vernier Caliper

VHG-06 ~ 24

B84 Height Dial Caliper

VHD-12, 24

B84 Micrometer Stand

VMH-25

B84 Measuring Tool Kits

VVC-20



Angle Level System

B85 Angle Level

VAL-60

B85 Angle Level

VAL-50

B85 Angle Level

VAL-10

B85 Angle Level

VAL-30

B85 Angle Level

VAL-20

Gauge

B86 Hardness Tester

VHT-260

B86 Stainless Steel Ruler

VSR-150, 200, 300

B87 Thread Size & Depth Gauge

VSD-M3 ~

B87 Thread Size & Depth Gauge

VSD-M10

B87 Plug Gauge

VPG-3M ~ 36M

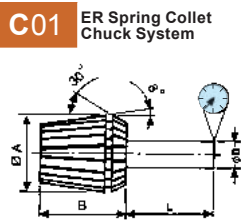
B87 Ring Gauge

VRG-3 ~ 36





ER Collet Chuck System



ER-8/11/16/20



ER-25/32/40/50



ER-L System



ER-GB



V-101~226



V-231~250



V-301~318



V-401~452



V-401~452



V-530~524



V-601~663



V-551~560A



V-691A~698D



V-800~811



V-800~811



V-820~828



V-820~828



V-700~727



V-700~727



V-770~742A



V-737~799



V-830~837



V-841~848



V-841~848



BT30, 40-ER11 / 16 / 20 / 25 / 32



V-741 ~ 744



V-745 ~ 749A



V-751 ~ 763



V-870 ~ 876



V-878 ~ 890





OZ Collet Chuck System

C27 Milling Chuck

VB-MT/ R8 / NT

C28 Milling Collet Chuck Kit

VB-101~116

C29 DIN 6388 Collet For Milling Chuck

OZ-1602~3247, OZ-3206~3247, OZ-2503~2540

C30 DIN 6388 Nuts & Wrench

OZ-25N, 32N, 25W, 32W

C31 Milling Collet Chuck

VB-241~234, VB-BT40 / 50

C32 Milling Collet Chuck

VB-226-259

C33 Milling Collet Chuck

VB-130-167B

C34 Milling Collet Chuck

VB-261-291

C Type Chuck

C35 Multi-Lock Milling Chuck

VB-431 ~ 452

C36 Multi-Lock Milling Chuck

VB-344A ~ 578

C37 C-20,25,32,42 Collet

C-20, 25, 32, 42

C37 C-20,25,32,42 Wrenches

C-20W, 25W, 32W, 42W

5C R-8,MT-Collet

C38 Quick-Change Tooling System

VD-101 ~ 105

C38 Quick-Change Tooling System

VD-111 ~ 115

C39 TG 100 Collet System

TG10-01 ~ 57

C40 5C Collet System

VE-5C

C40 5C Collet System

VE-5CN

C40 5C Collet System

VE-5CB

C40 R8 Collet System

R8-3 ~ 20 / 1/8 ~ 3/4

C41 U2 Collet System

NO.1

VE-U2-3 ~ 16 / 1/8 ~ 5/8

C41 U2 Collet System

NO.2

VE-U2-18 ~ 25

C41 MT3 Collet System

MT3-4 ~ 20 / 1/8 ~ 3/4

C42 Drill Chucks Arbor

R8

VJ-121 ~ 124

C42 Drill Chucks Arbor

MT3, 4, 5

VJ-126-1 ~ 138-2

C42 Drill Chucks Arbor

C20, 25, 32

VJ-139 ~ 143

Sleeve

C43 Morse Taper Sleeve

VQ-101 ~ 110

C43 Morse Taper Extension Sockets

VQ-111-1 ~ 120

C43 R8 Morse Taper Sleeve

VQ-121, 122, 123





Face Mill Arbor System

C44 Face Mill Arbor



VF-101 ~ 137

C45 Morse Taper Adapter



VI-101 ~ 111

C45 Morse Taper Adapter



VI-131 ~ 138

C46 Jacobs Taper Drill Chuck Arbor



VJ-103, 106, 109, 111, 112

C46 Horizontal Milling Arbor

NEW



VL-110

C46 Tang For Morse Taper Shank



VMTS-2, 3, 4, 5

C47 Oil-Feed Holder / Slo



BT40SLO32 / 40, OC-32 / 40

C48 Face Mill Arbor



BT-101 ~ 121, 150 ~ 166

C49 Drill Chuck Holder / APU



BT-180 ~ 188

C49 Morse Taper Adaptor



BT-204 ~ 231

C50 Jacobs Taper Arbor



BT-315 ~ 333-1

C50 Lever Checking Holders



BT40-M8, BT50-M8

C50 Test Arbor



A30, A40, A50

C51 Sidelock End Mill Holder



BT-436 ~ 479

Pull Studs

C52 Pull Studs BT



BT-501 ~ 512

C52 Pull Studs



BT-516 ~ 521

C53 Pull Studs DIN69872



BT-522 ~ 532

C54 Pull Studs



BT-533 ~ 539

C55 Pull Studs CAT



BT-540 ~ 548, 556, 560 ~ 561

Mill Holder

C56 Complete NC Tooling Set



VBT-30-0720 ~

C59 Face Mill Holder DIN69871A

DIN69871A
SK-112 ~ 120

C59 Morse Taper Holder-DIN 6383

DIN69871A
SK-214 ~ 220

C60 Sidelock End Mill Holder DIN69871

DIN69871A
SK-417 ~ 431

SK.CAT

C60 Drill Chuck Holder / APU DIN69871A

DIN69871A
SK-509 ~ 516

C61 Face Mill Holder

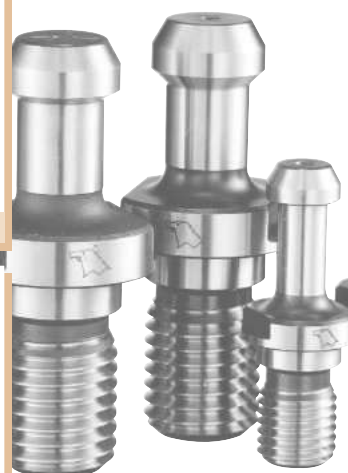


CAT-40 / 50-FMA ~

C61 Side Lock Holders

USA
CAT-40 / 50-SL ~

C61 Morse Taper Holders

USA
CAT-30 / 40 / 50-MTA ~

DC System

C62 DC High Speed Slim Chuck System



BT30 / 40-DC6-60, 90

C63 Cylindrical Shank Of DC Slim Chuck



ST12 / 16 / 20 / 25-DC6

C63 Set Of DC Collets And Collet Chuck



SST12 / 16 / 20 / 25-DC6

C64 Small Collet Of Slim Collet Chuck



DC6-2 ~

C64 Collet For End Mill Shank



DC6-3E, 4E, 6E



HSK System

C65 HSK-A63, A100 (DIN69893A) ER Collet Chucks



HSK-A63 / A100-ER ~

C65 HSK-A63, A100 (DIN69893A) OZ Collet Chucks



HSK-A63 / A100-OZ ~

C66 HSK-A63, A100 Morse Taper Holders



DIN69892A

HSK-A63 / A100-MTA ~

C66 HSK-A63, A100 Face Mill Holders



DIN69893A

HSK-A63 / A100-FMA ~

C66 HSK-A63, A100 Face Mill Holders



DIN69893A

HSK-A63 / A100-FMB ~

SK System

C67 SK Spring Collet System



SK-6 / 10 / 16 / 20 / 25

C69 BT-SK Collet Chuck System



SKB-201 ~ 315

C70 ST-SK Straight Chuck



SKS-210 ~ 214

C70 Set Of SK Collet And Straight Chuck



SKS-231 ~ 234

C70 SK Nut And Wrench



SKN / SKW-101 ~

Keyless Drill Chuck System

C71 3D-Taster



V-3D

C71 KNT Type Keyless Drill Chucks



KNT-8, 13, 16

C72 Integrated Type Keyless Drill Chucks



INT-8 / 13 / 16-CAT30, 40, 50

C72 Integrated Type Keyless Drill Chucks



BT / SK / NT40-VR13, 16

C73 Integrated Type Keyless Drill Chucks



INT-8, 10, 13, 16 ~

C73 Integrated Type Keyless Drill Chucks



INT-8, 10, 13, 16 ~

C75 Keyless Drill Chucks



11015 ~ 11034

C75 Keyless Drill Chucks



11061 ~ 11075

C76 Keyless Drill Chucks



12201-1 ~ 12205-4

C76 Keys Steel



14001 ~ 14009

C77 Key Type Drill Chucks



10006 ~ 10074

C77 Ball Bearing Key Type Super Chucks



12011 ~ 12006

C78 Key Type Drill Chucks



10001 ~ 10079

C78 Key Type Drill Chucks



10001 ~ 10079

C78 Key Type Drill Chucks



10001 ~ 10079

C79 Key Type Drill Chucks Stainless



10090 ~ 10092-3

C79 Keyless Drill Chucks Stainless



16001-30, 31, 61

C79 Keys For Stainless Key Type Drill Chuck



15001 ~ 15003



Boring Head System

C80 Taper Shank For Boring Heads Series BST, VBK

C80 Taper Shank For Boring Heads Series BST, VBK


BST-

C80 Taper Shank For Boring Heads Series BST, VBK


VBK-

C81 Large Diameter Twin-bit Rough Boring


RBH-200LA~900LA

C81 Large Diameter Finish Boring Head


FBH-200~900

C82 Indexable Twin-bit Rough Boring Head RBH


RBH-

C83 Taper Shank For Boring Heads

C83 Extension (Reduced)


VBK2 / 3 / 4 / 5 / 6 ~

C83 Extension (Reduced)


VBK1 / 2 / 3 / 4 / 5 / 6 ~

C84 Indexable Twin-bit Rough Boring Head RBH-LA


RBH25 ~ 900 ~

C84 FBH Finish Boring Head


FBH-20 ~ 150

C85 FBH Finish Boring Head


CBI4, 5, 6

C85 Small Diameter Boring Head CBI4


BJ1008 ~

C87 Precision Finish Boring Head Sets


VBHD-BT / SK / NT / HSK

C88 Precision Finish Boring Head Sets


VBHE-BT / SK / NT / HSK

C89 Micro Boring Head Set


VBH55-BT40, 50

C90 Micro Boring Head Set


VBH68-BT40, 50

C91 High Precision Boring Head Set


VBH620-NT / BT / SK

C92 High Precision Boring Head Set


VBH2084-R8 / NT / BT / SK / MT

C93 Universal Boring And Facing Master Head

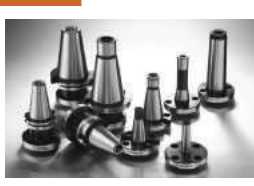

VBHU-202 ~ 214

C93 Universal Boring And Facing Master Head


VBHU-202 ~ 214

C95 Boring Head Sets


VBH-102 ~ 113

C95 Boring Head Sets


VBH-MT / R8 / NT / SK / BT / C25

C96 Boring Head Set C-Type


VBHC-R8 / MT / NT / BT / C20

C96 Boring Head Set C-Type


VBHC-R8 / MT / NT / BT / C20

C97 Boring Head Shank C-Type


VBC-R8 / NT / MT / BT / C20

C98 C-Type Boring Head
Inch
mm

VBC-2

C98 C-Type Boring Head
Inch
mm

VBC-3

C98 C-Type Boring Head
Inch
mm

VBC-4





Touch Point Sensor System

C99 Touch Point Sensor


VPS-20B, 32B

C99 Touch Point Sensor


VPS-20

C99 Touch Point Sensor


VPS-32

C100 Touch Point Sensor


VPS-201

C100 Touch Point Sensor


VPS-201C

C100 Touch Point Sensor


VPS-401

C100 Touch Point Sensor


VPS-401C

C101 Touch Point Sensor


VPS-301

C101 Touch Point Sensor


VPS-301S

C101 Touch Point Sensor


VPS-302

C101 Touch Point Sensor


VPS-302S

C101 Touch Point Sensor


VPS-301C

C101 Touch Point Sensor

NEW



VPS-302C

C101 Touch Point Sensor

NEW



VPS-303



Presetter System

C102 Height Presetter


HP-50Z, 50ZM, 100Z, 100ZM

C102 Height Presetter


HP-100Z, 100ZM

C102 Height Presetter


HP-100Z, 100ZM

C103 Electronic Tool Length Setter


HP-100EM

C103 Electronic Tool Length Setter


HP-50EM

C104 Z-Zero-Setter


HP-50B / BM

C104 Z-Zero-Setter


HP-50A / AM

C104 Z-Zero-Setter


HP-100A / AM

C105 Height Presetter (For Machining Center)


HP-100

C105 Centering Indicator


VCI-170

Drill Tapper System

C106 Reversible Tapping Attachment for Drilling & Milling Machine


K1 2 / 3 / 4 ~

C106 Tap Chuck Series


VTA13/ 16 / 18 ~

C106 Drill Tapper


VDT-33

C107 Reversible Tapping Attachments


VTA7, 12, 20 ~

C107 Rubber Flex Collet For VTA Tapper


FC-10, 11, 20, 21, 30, 31

C107 Connecting Arbor for VTA20-M20


MT3-M20

MT4-M20

MT3-M20, MT4-M20

C108 Tap Chuck


VTA-13-11, 12

C108 Expansible Tapping Holder


VET-271~274, 260, 261

C109 Expansible Tapping Holder


VET-102, 202, 252, 303

C109 Expansible Tapping Holder


VET-105, 106, 253, 254



Tapping System

C110 Quick Change Tapping Chuck



European Type

C111 Quick Change Tapping Chuck



WF-BT30/BT40/SK30/SK40

C111 Quick Change Tapping Chuck



WF-BT50/SK50

C112 Quick Change Tapping Chuck



WF-ST

C112 Quick Change Tapping Chuck



WF-MT

C113 Quick Change Tapping Chuck



WFE-BT40

C113 Quick Change Tapping Chuck



WFE-BT50

C114 Quick Change Tapping Chuck



BT40-SF

C114 Quick Change Tapping Chuck



BT50-SF

C115 Quick Change Tapping Chuck



ST-SF

C115 Quick Change Tapping Chuck



MT-SF

C115 Quick Change Tapping Chuck



JTA-SF

C116 Quick Change MT Tapping Chuck Set



QVT-312 ~ 520

C116 Quick Change MT Tapping Chuck Set



QVT-712, 812, 720, 820

C117 Tapping Collet Reducer Adapter



TC 312 / 820 / 1433-AD

C117 Adjustable Wrenches



VWR-40, 60

C118 Quick Change Tapping Chuck



TC 312 DIN 371 8PCS / SET

C118 Quick Change Tapping Chuck



TC 312 DIN 376 8PCS / SET

C118 Quick Change Tapping Chuck



TC 820 DIN 376 8PCS / SET

C119 Quick Change Tapping Collet



JIS
TC 312 / 820 / 1433

C121 Quick Change Tapping Collet



DIN 371 / 376
TC 312 / 820 / 1433

C122 Quick Change Tapping Collet



ISO 529 / 2283
TC 312 / 820 / 1433

C123 Quick Change Tapping Collet



ANSI
TC 312 / 820

C124 Quick Change Tapping Collet



JIS
TC 312B / 820B / 1433B

C126 Mini Type Arm Type Air Tapping Unit



VAT-708 ~ 724

C126 Small Arm Type Air Tapping Unit



VAT-1408 ~ 1424

C127 Arm Type Air Tapping Unit



VAT-1608 ~ 1624

C128 Air Tapping Unit



VAT-1908 ~ 1924

C128 Air Tapping Spindle



VAT-SP ~ 24

C128 Parallel Arm For Air Tapping Unit



VAT-ARM ~

C129 Adjustable Angle Head For Air Tapping Unit



AT08 / 12 / 16 / 20 / 22 / 24-90

C129 Magnetic Base For Air Tapping Unit



VLM-300A, 600A

C130 Mist Coolant System For Air Tapping Unit



VAC-08

C130 Collet Rack For Air Tapping Unit



VCR-08



Tooling Setting Stand

C131 Deluxe Type Tool Setting Stand

VTD-1 ~ 10

C131 Simple Type Tool Setting Stand

VTS-BT / SK-30, 40, 50

C132 Tool Holder Locking Device

VTG-BT30, 40, 50

C132 Tool Holder Locking Device

VTL-BT / SK / NT-30, 40, 50

C132 Tool Holder Locking Fixtures

VTL-HSK40, 50, 63

Spindle Taper Wiper

C133 Spindle Taper Wiper

VTW-30, 40, 50

C133 Spindle Taper Wiper

VTW-30R, 40R, 50R

C133 Spindle Taper Wiper

VTW-50H, 63H

Sheath Rack

C134 Tooling Trolleys

VTT-2-30 / 40 / 50 / HSK63

C134 Tooling Trolleys

VTT-5-30 / 40 / 50 / HSK63

C134 Tooling Trolleys

VTT-6-30 / 40 / 50 / HSK63

C135 Tooling Rack Stand

VTT-30/30-50

C135 Tooling Rack Stand

VTT-31/30-50

C135 Tooling Rack Stand

VTT-30/31-HSK63

C135 Tooling Rack Stand

VTT-30/30-50

C135 Tooling Cart

VTT-21

C136 Tooling Cart

VTT-11

C136 Tooling Cart

VTT-12

C136 Tooling Cart

VTT-12

C136 Tooling Rack

VTTR-30TR

C137 Tooling Sheath Rack

VTTR-BT-30 / 40 / 50 / HSK63

C137 Tooling Sheath

VTTS-BT-30 / 40 / 50

C137 Tooling Sheath

VTTS-BT-30 / 40 / 50

C137 End Mill Sheath Rack

VMS-2

C137 Cutting Tool Sheath Rack

VMS-3

C137 Tooling Rack Stand

VTC-20

C137 Tooling Rack Stand

VTC-20

C137 Tooling Rack Stand

VTC-20



Tool Cabinet

C138 Tool Cabinet



VTC-23

C138 Tool Cabinet



VTC-25

C138 Tooling Trolleys

NEW



VTC-100

C139 Workbench

NEW



VWB-1580

C139 Hydro Lift Table

NEW



VLT-300

C139 Hydro Pallet Trolleys

NEW



HPT-20NS, 20NM, 20WL

C140 Parts Cabinet



VA1-, VA6-, VA7-

C140 Tool Box



VTB-102, 901

C140 Parts Storage

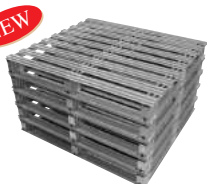


VHB-1218 ~ 3045

Pallet

C141 Economical Pallet

NEW



VEPT-01, 02

C141 Economical Pallet

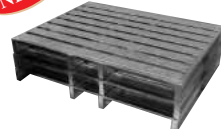
NEW



VEPT-01, 02

C141 Heavy Duty Pallet

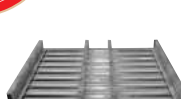
NEW



VHPT-H01

C141 Heavy Duty Pallet

NEW



VHPT-H01

C135 Tooling Cart





Live Center System

E01 Light Duty Live Center



VPC-MT1, MT2, MT3, MT4, MT5

E01 Live Lathe Center -A Type



VLC-212, 213, 214, 215

E01 Live Lathe Center -A Type



VLC-212, 213, 214, 215

E01 Live Lathe Center -B Type



VLC-213B

E01 Live Lathe Center -B Type



VLC-214B

E02 High-Speed NC Live Center-A Type



VLC-MT3A, MT4A, MT5A, MT6A

E02 High-Speed NC Live Center-B Type



VLC-MT3B, MT4B, MT5B

E02 High-Load NC Live Center-A Type



VCF-MT3A, MT4A, MT5A

E02 High-Load NC Live Center-B Type



VCF-MT3B, MT4B, MT5B

E02 High-Load NC Live Center-B Type



VCF-MT3B, MT4B, MT5B

E03 Inter-changeable Points Live Center



VLC-312, 313, 314

E03 High Speed NC Interchangeable Points Live Center



VCS-MT3, MT4, MT4P, MT5P

E04 High Load Interchangeable Points Live Center



VCP-MT4, MT5

E04 High Speed Live Center- A Type



VLC-512, 513, 514, 515

E04 High Speed Live Center-B Type



VLC-513B, 514B, 515B

E04 High Speed Live Center-B Type



VLC-513B, 514B, 515B

E05 Bull Nose Pipe Center



VLC-

E05 Bull Nose Pipe Center



VLC-

E05 Bull Nose Pipe Center



VLC-

E06 Lathe Centers



VLC-120, 121, 122

E06 Lathe Centers



VLC-112, 113, 114, 115, 116

E07 Work-Driving Center



VDK-32-MT4

E07 Work-Driving Center



VDK-23-MT4

E07 Work-Driving Center



VDK-15-MT4

E07 Work-Driving Center-Changeable Tips



VDC-30-MT4

E08 Inter-Changeable Point Rolling Center



VLC-612, 613, 614, 615

E08 Live Lathe Center



VLC-172, 173, 174, 175

Lathe Center System





Centering Chuck System

E09 3 Jaw Self Centering Chuck



VSC-3A ~ 25A

E09 3 Jaw Powerful Self Centering Chuck



VSK-6A, 8A, 10A, 12A, 13A, 16A

E10 4 Jaw Self Centering Chucks



VPS-6A, 7A, 8A, 10A, 12A

E10 4 Jaw Self Centering Chucks (2-Pices Jaw)



VPS-6AK, 8AK, 10AK, 12AK

E10 3 Jaw Powerful Camlock Type Self-Centering Chuck



VSKC-6A, 8A, 10A, 12A

E11 DIN-Type 3-Jaw Self-Centering Chucks



VSC-3D ~ 10D

E11 4-Jaw Independent Chuck Plain Back



VVC-4 ~ 50

E12 3-Jaw Scroll Chuck



Accuracy Type

VSC-3 ~ 16

E12 3-Jaw Powerful Scroll Chuck



Accuracy Type

VSK-4 ~ 16

Thin Chuck

E13 Machining Jaw Chuck



VMJ-6, 8, 10, 12

E13 Super Thin Chucks



VNBK-6, 8, 10, 12

E14 Vertical Machining Chuck



VMJ-150, 200, 250, 300

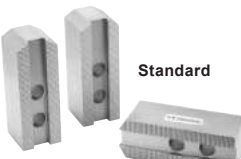
Power Chuck

E15 Soft Jaw For SK-Type Chuck



VSJ-4 ~ 16

E16 Soft Jaw Hydraulic Power Chucks



Standard

VHC-5 ~ 24

E16 Soft Jaw Hydraulic Power Chucks



Aluminium

VHC-8A, 10A

Jaw Forming

E17 Soft Jaw Forming Ring



VFR-05, 06, 08, 10, 12, 15

E18 Soft Jaw Forming Disc



VFRD-6, 8, 9, 10, 12

E18 T Nut For Hydraulic Chuck



B-205T, 206T, 208T, 210T, 212T

E18 Hard Jaws For Hydraulic Power Chucks



HJ-05, 06, 08, 10, 12, 12-1, 15, 15-1

Power Chuck System

E19 3-Jaw Wedge Type Through-Hole Power Chuck (Without Adaptor)



N-205A4 ~ 215A11

E20 2-Jaw Wedge Type Through-Hole Power Chuck (Without Adaptor)



NT205 ~ NT215

E21 3-Jaw Wedge Type Non Through-Hole Power Chuck (Without Adaptor)



V-206A5 ~ 215A11

E22 Super High Speed Through Hole Rotary Hydraulic Cylinder



M1036 ~ M2511

E23 Non Through Hole Rotary Hydraulic Cylinder (With Valves)



MS105, 125, 150, 200

E23 4-Jaw Wedge Type Through-Hole Power Chuck (Without Adaptor)



VNIT-208, 210, 212, 215

E24 6-Jaw Awl Type Chucks



VAS-4, 6

E24 Lathe Collet Chucks



CR42A5, 42A6, 60A6

E25 Lathe Collet



C26 / 42 / 60 / 80

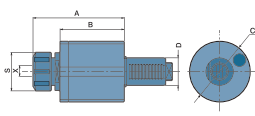
E27 Tool Post Grinder ON Lathe



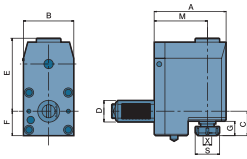
VGR-100, 125, 150, 165, 175, 185



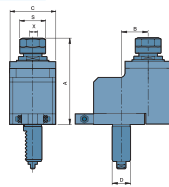
E31 Axial Drilling And Milling Heads



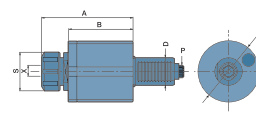
E32 Radial Drilling And Milling Heads-Back Ward Type



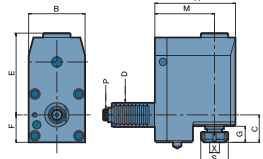
E33 Axial Drilling And Milling Heads



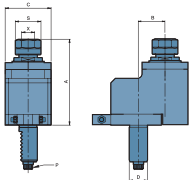
E34 Axial Drilling And Milling Heads



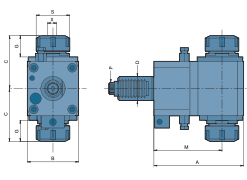
E35 Radial Drilling And Milling Heads-Backward Type



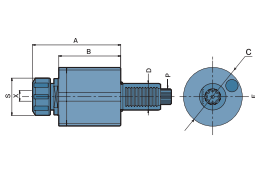
E36 Axial Drilling And Milling Heads-Offset



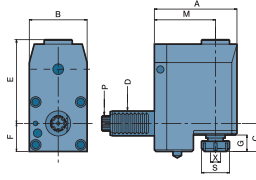
E37 Radial Double Drilling And Milling Heads



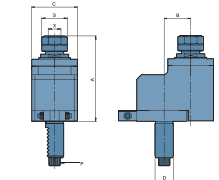
E38 Axial Drilling And Milling Heads



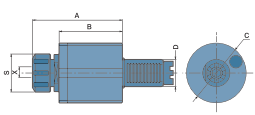
E39 Radial Drilling And Milling Heads



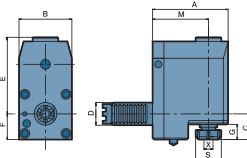
E40 Axial Drilling And Milling Heads



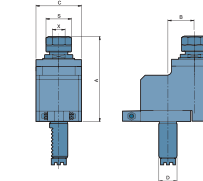
E41 Axial Drilling And Milling Heads-For "Baruffaldi" Type



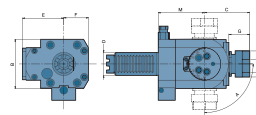
E42 Radial Drilling And Milling Heads-Backwards



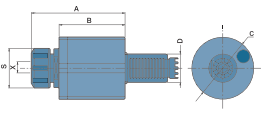
E43 Axial Drilling And Milling Heads



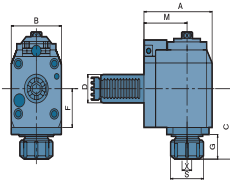
E44 Angular Heads



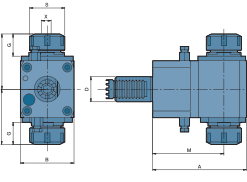
E45 Axial Drilling And Milling Heads-For "Duplomatic" Type



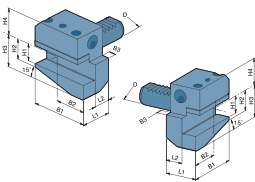
E46 Radial Drilling And Milling Heads



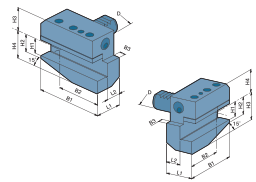
E47 Radial Drilling And Milling Heads



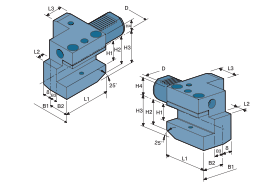
E48 Radial Static Holders



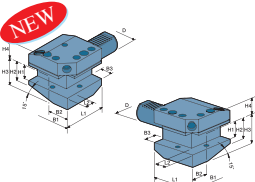
E49 Radial Static Holders



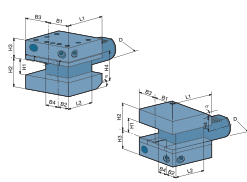
E50 Axial Static Holders



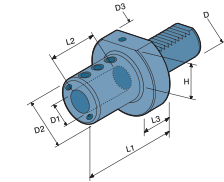
E51 Combined Static Holders



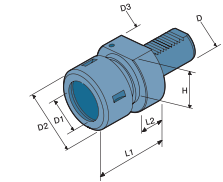
E52 Combined Static Holders



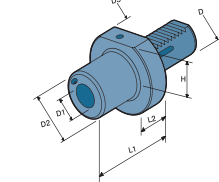
E53 Static Holders



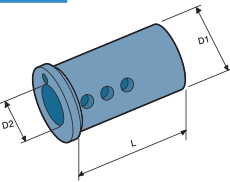
E54 Static Holders



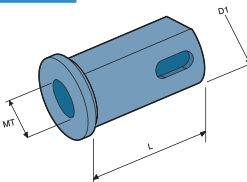
E55 Static Holders



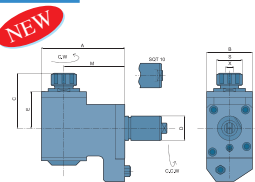
E56 Reducing Sleeves



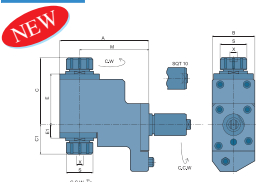
E57 Reducing Sleeves



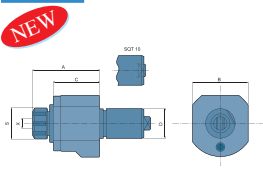
E58 H Type Milling & Drilling Head



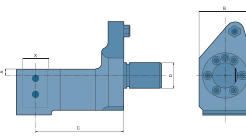
E59 H Type Milling & Drilling Head



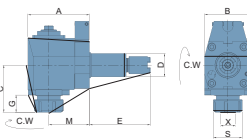
E60 V Type Milling & Drilling Head



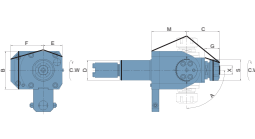
E66 U Drill Holder



E67 Radial Drilling And Milling Heads



E68 Angular Heads





Tool Post System

E69 Quick Change Tool Post & Holders-Italian Style

NEW



VTP-

E70 Individually Piece Italian Style

NEW



VTP-F01-

E70 Individually Piece Italian Style

NEW



VTP-F02-

E70 Individually Piece Italian Style

NEW



VTP-F03-

E70 Individually Piece Italian Style

NEW



VTP-F04-

E71 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E71 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E72 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E72 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E72 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E72 Quick Change Tool Post & Holders-40 Positioning European Style

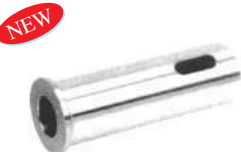
NEW



VTP-F40-

E72 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E73 Quick Change Tool Post American Type

NEW



VTP-F50-

E74 Quick Change Tool Post American Type

NEW



VTP-F50-

E74 Quick Change Tool Post American Type

NEW



VTP-F50-

E74 Quick Change Tool Post American Type

NEW



VTP-F50-

E74 Quick Change Tool Post American Type

NEW



VTP-F50-

E75 Quick Change Tool Post American Type

NEW



VTP-F50-

E75 Quick Change Tool Post American Type

NEW



VTP-F50-

E75 Quick Change Tool Post American Type

NEW



VTP-F50-





Milling Cutter System

F01 Face Milling Cutter 45°



SE545 / 445-3, 4, 5, 6, 8, 10, 12

F01 Face Milling Cutter 65°



SP535 / 435-3, 4, 5, 6, 8, 10, 12

F02 Face Milling Cutter 75°



FP-3, 4, 5, 6, 8, 10, 12

F02 Face Milling Cutter 90°



TP-63 ~ 300

F03 Round Insert Milling Cutter



RM-5R / 8R-50, 63

F03 Shoulder End Mills



SAE-20 ~ 63

F04 High-Speed Face Milling Cutter 45°



HCB-50 ~ 200

F04 High-Speed Face Milling Cutter 45°



HCN-63 ~ 200

F04 High-Speed Face Milling Cutter



FMC-50 ~ 160

F05 Round Insert End Mills



C20 / 25 / 32-4R, 5R ~

F05 Drilling & Milling Cutter



C16 / 20 / 25 / 32-DM ~

F06 High Speed Shoulder Mills



C16 / 20 / 25 / 32-SS ~

F06 High Speed Shoulder Mills



C16 / 20 / 25 / 32-SS ~

F06 Ball End Mills



C20 / 25 / 32-AR ~

F07 High-Speed Rough End Mills



VAPX-1616 ~ 2625

F07 High-Speed Rough End Mills



VHRE- 21010 ~ 32520

F08 CRT Round Insert End Mills



CRT-6R32X / 35X150, 200

F08 Face End Mills



C-32-SE445-50, 63

F08 Shoulder Face Milling Cutter



TPS-50, 63

F09 45° Chamfering End Mills



TC12, TC40

F9 45° Chamfering End Mills



VCE-4521~4563

F9 T-Slot End Mills



VTE-2411~4922

F10 Chamfer Tool



CTH-51~314

F10 Chamfer Tool 6 pcs Kit



CTH-A

F11 Side Milling Cutter



VSM-1016 ~ 2016

F11 T-Side Milling Cutter



VTSC-416 ~ 825

F11 Shell-Type Rough Milling Cutter



VSRC-3, 80

F12 Power Super Drill 2D



VSD-

F12 Power Super Drill 3D



VSD-

F13 Cutting Holders



CGIH26 / 32-3

F13 Cutting Blocks



SUB20-26, 32 / SBU25-32

F14 Insert Type Boring Bar



BBAR-D16

F14 Insert Type Boring Bar



BBAR-D18

F14 Insert Type Boring Bar

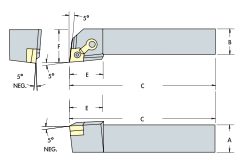


BBAR-D20



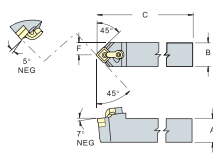
Lathe Tool Holder

F15 Tool Holders



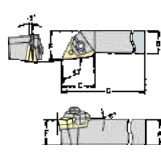
MCLN / MCRN / MTJN / MTEN

F16 Tool Holders



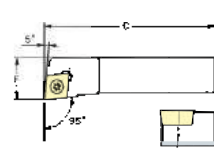
MSD / MVVN / MDJN / MVJN

F17 Tool Holders



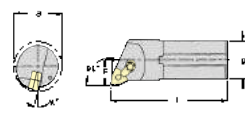
WTJN / WTEN / WTXN / WWLN

F18 Tool Holders



SCLC / SDJC / SVJC / SVVC

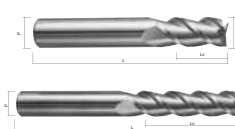
F19 Boring Bars



MWLN / MCLN / MDUN

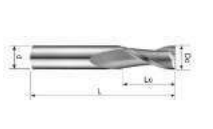
End Mills System

F23 Universal End Mills



VE133, 135~

F24 Universal End Mills



VEA72, 82 ~

F25 Finishing End Mills



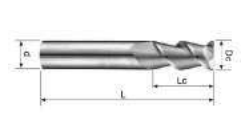
VEA74, 84 ~

F26 Ball Nose End Mills



VBB12, 80 ~

F26 End Mills For Aluminium



VEA92-3 ~ 20

F27 Solid Carbide End Mills For<48HRC



VE112, 122, 125, 127 ~

F28 Solid Carbide End Mills For<48HRC



VE114, 124, 126 ~

F29 Finishing End Mills<56HRC



VE164, 165 ~

F30 Solid Carbide End Mills For<68HRC



VE166, 167 ~

F30 4 Flute Carbide End Mill Set VE124-B 12 PCS/SET In Wooden Box



VE124-B

F30 4 Flute Carbide End Mill Set VE124 18 PCS/SET In Wooden Box



VE124-A

F30 2 Flute Carbide Ball Nose End Mill Set VB222 9 PCS/SET In Wooden Box



VB222-A



F31 Finishing End Mills



VEC40-1.0 ~ 20.0, VED40-3 ~ 20

F32 Roughing End Mills



VFF08-6 ~ 20, VFF09-6 ~ 20

F33 Solid Carbide Ball Nose End Mills For<48HRC



VB221, 222, 232 ~

F33 Solid Carbide Ball Nose End Mills For<48HRC



VB242-3 ~ 20

F34 Ball Nose End Mills<56HRC



VB262, 263 ~

F34 Ball Nose End Mills



VBB61-1.0 ~ 12.0

F35 Solid Carbide NC/CNC Spot Drills



VD903, 904, 913, 914 ~

F36 Twist Drills



VDD12-1.0 ~ 13.0

F37 Twist Drills



VDD13-1.0 ~ 13.0

F38 High Performance Drills



VDD30-2.0 ~ 13.0

F39 High Performance Drills



VDD31-3.0 ~ 20.0

F40 High Performance Drills



VDD32-3.0 ~ 20.0

F41 Combined Drill And Countersink



VDT08-0.50 ~ 5.00, VDTHS-1.6 ~ 6.0

F42 Machine Reamers In Steps Of 0.5mm



VR301-2.0 ~ 20.0

F43 Machine Reamers Carbide Tipped



VR303-10.0 ~ 40.0



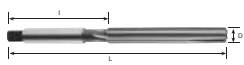
End Mills

F44 Machine Reamers Long Length



VRC02-3.0 ~ 20.0

F44 Hand Reamers-HSS



VHM-03 ~ 12

F45 Adjustable Reamers



VAR-635 ~ 7000

F45 Outside Radius Shape End Mills



VCR-010 ~ 100

F46 Counterbore End Mills



VCB-03 ~ 18

F46 Metal Slitting Saws



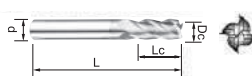
VSS7505 ~ 7520

F46 H.S.S END MILLS



VES2-3.0 ~ 20.0

F46 H.S.S END MILLS



VES4-3.0 ~ 20.0

F47 H.S.S. Drill



HSD-10, 13

F47 H.S.S. Drill



HSD-10, 13



Hand Tap

F48 Hand Taps



VHT-H3 ~ H20

F48 Hand Taps



VHT-H3 ~ H20

F48 Spiral Fluted Machine Taps



VMT-S3 ~ S20

F48 Spiral Pointed Machine Taps



VMT-M3 ~ M20

Tap Wrenches With Ratchet

F49 Tap Wrenches With Ratchet



VPW-310, 512

F49 Tap Wrenches With Ratchet



VPW-118, 110, 112, 412, 520, 927, 1332

F49 Magnetic Tapper



VTM-13

F49 Magnetic Tapper



VTM-13

F49 Magnetic Tapper



VTM-13





Shock Absorber

G01 Shock Absorber



TK-90 , 120 , 160, 200

G01 Shock Absorber



SB-4, 6, 8, 10

G01 Shock Absorber



SC-1, 2 , 3

G01 Shock Absorber



SY-8, 12 ,16

G02 Shock Absorber



VSA-25K

G02 Shock Absorber



VSA-35K, VSA-35K-6RU

G02 Shock Absorber



VSA-150K

G02 Shock Absorber



VSA-150H

G02 Shock Absorber



VSA-150H

Slide Table

G03 Arbor Press



VAR-0, 1, 2, 3, 5

G03 Arbor Press



VARR-3, 5

G04 One Way Acme Thread Slide Table



ST-75, 100, 125

G04 One Way Acme Thread Slide Table



STA-160, 165, 200, 205, 300

G04 Vertical Dovetail Slide Table



SE-100, 150, 200, 250

G05 Precision Boring/ Mining Spindle Head



SH03, 04, 30, 40, 50

G05 Precision Boring/ Mining Spindle Head



SH03, 04, 30, 40, 50

G05 Precision Boring/ Mining Spindle Head



SH30A, 30B, 40A, 40B



Handle System

G06 Flat End Movable Handle



VFE-10, 83, 8, 165

G06 Ellipse Movable Handle



VEM-10, 83, 8, 6

G06 Ball Knobs



VKB-6AA ~ 12BA

G06 Hand Knobs



VKB-8K, 8KL

G07 Adjustable Hand Levers



VAH-6, 8, 10, 12

G07 Adjustable Hand Levers



VAH-620 ~ 1020

G07 Revolving Handles



VRL-8H, 8HA, 10H, 10HA, 10HB

G07 360° Swivelling Lock Handle

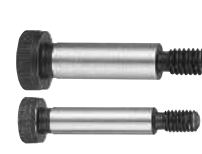
A Type B Type
VSA-1 ~ 4, VSB-1 ~ 4

G08 Crank Handle



VAH-21~23,31~32

G08 Shoulder Bolt



VLS-1320~1840

G08 Washer



VLE-W226~W3515

G08 Lifting Eye Bolts



VLE-6A ~ 24A

G09 Ball Plugger Screw-socket & Slotted



VBP-031 ~ 16I, VBP-03H ~ 16H

G10 PU-Hammer Series



VHM-38, 46, 50, 58, 60

G10 Hammer



VHM-25PE ~ 60PE



Sawing Machine System

G11 Universal Drill & Cutter Grinder



VDG-32N

G11 Horizontal Band Saws



HBS-7

G12 Horizontal Band Saws



HBS-7CE

G12 Saw Blade



HBS-106 ~

G13 Multi-Purpose Milling & Drilling Machine



MD-30B

G14 Vertical Band Sawing Machine



Y-310

G14 Vertical Band Sawing Machine



Y-360

G14 Vertical Band Sawing Machine



Y-400

G14 Vertical Band Sawing Machine



Y-500

Air Die Tool System

G15 Air Die Tool



VAG-500, 601A

G15 Air Die Tool



VAG-701

G15 Air Die Tool



VAG-609

G15 Air Die Tool



VAG-8241

G16 Air Die Tool



VAG-604

G16 Air Die Tool



VAG-605

G16 Air Die Tool



VAG-8242

G16 Air Die Tool



VAG-932

G17 Air Die Tool



VAG-318

G17 Air Die Tool



VAG-F30

G17 Air Die Tool



VAG-310

G17 Air Die Tool



VAG-320

G18 Air Die Tool



VAG-030

G18 Air Die Tool



VAG-050

G18 Air Die Tool

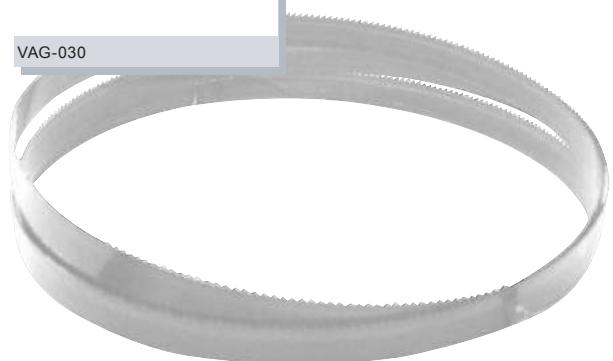


VAG-070

G18 Air Die Tool



VAG-070H





Air Die Tool

G19 Abrasive Mounted Point & Wheel For Air Tool

WA-303A ~ 310A

G19 Abrasive Mounted Point & Wheel For Air Tool

WF-304 ~ 312

G19 Abrasive Mounted Point & Wheel For Air Tool

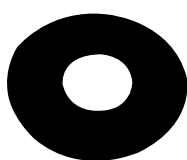
WR-304 ~ 310

G19 Abrasive Mounted Point & Wheel For Air Tool

WE-303 ~ 310

G19 Abrasive Mounted Point & Wheel For Air Tool

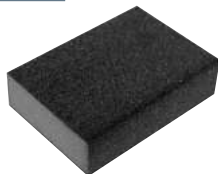
WF-30P

G19 Abrasive Mounted Point & Wheel For Air Tool

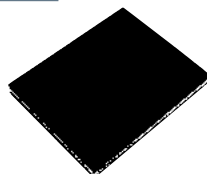
WF-30S

G19 Abrasive Mounted Point & Wheel For Air Tool

WF-30C

G19 Handy Sponge Saner

VSS-436

G19 Handy Sponge Saner

VSS-560

G20 Diamond Tools For Air Tool

WG-30D

G20 Diamond Tools For Air Tool

WG-30D

Carbide Burrs

G21 Carbide Rotary Burrs

NEW



VRB-C6, C8, C10, C12

G21 Carbide Rotary Burrs

NEW



VRB-S6, S8, S10, S12

G21 Carbide Rotary Burrs

NEW



VRB-A6, A8, A10, A12

G22 Carbide Rotary Burrs

NEW



VRB-P6, P8, P10, P12

G22 Carbide Rotary Burrs

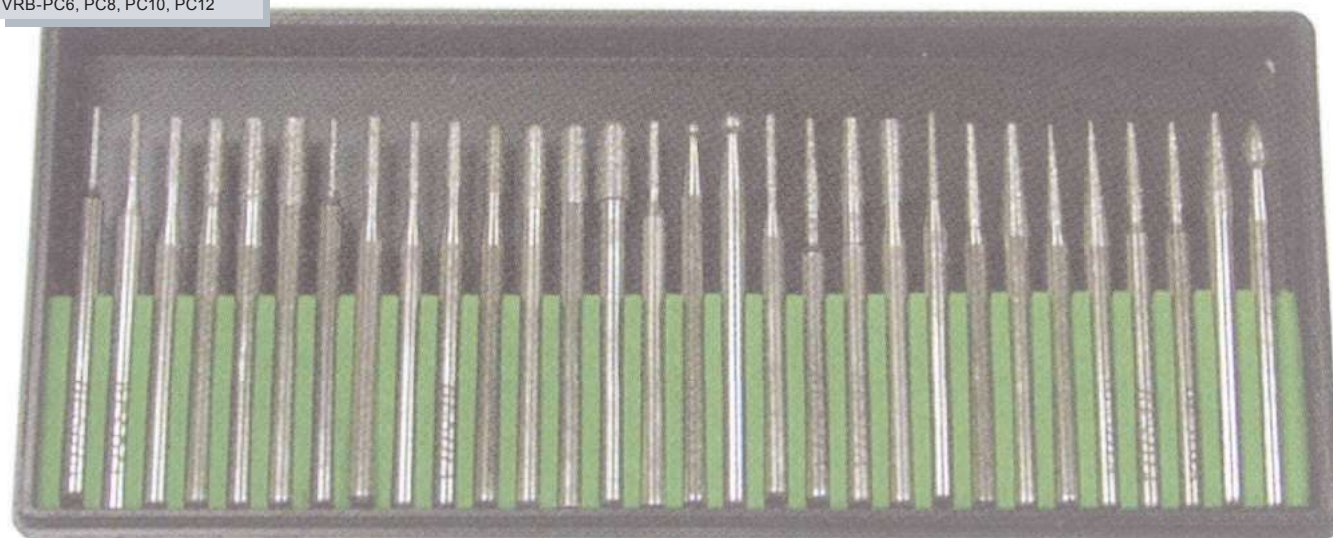
NEW



VRB-CR6, CR8, CR10, CR12

G22 Carbide Rotary Burrs

VRB-PC6, PC8, PC10, PC12





NC-Rotary Table

D01 NC-Rotary Table



VNCM-150 ~ 400L / R

D03 NC-Rotary Table



VNCM-150R

D03 NC-Rotary Table



VNCM-220R

D03 NC-Rotary Table



VNCM-250R / 320R / 400R

D04 NC-Rotary Table



VNCX-10

D06 Tailstock For NC Rotary Table



TS-135 ~ 210 / 135 ~ 210-MT3

MC Power Vise

D07 MC Power Vise



VQC-100

D07 MC Power Vise



VQC-160

D07 MC Power Vise



VQC-125FJL

D07 MC Power vise



VQC-125MJL

D07 MC Power Vise



VQCV-125 / 160H-L/R

D07 NC Hydro Machine Vices



VNC

D07 Convenient Type Machine Vise



VCM-47

D07 Precision Pneumatic Ang-Fixed Power Vise



VMC-

D07 Precision MC Power Vise



VMC-

D07 Precision Compact MC Vise



VMC-

Base Plate

D9 Base Plate Series



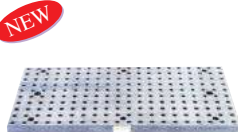
TBP-6040 ~ 10050D

D9 Base Plate Series



SBP-4040 ~ 8080A

D9 Base Plate Series



HBP-4060 ~ 50100T

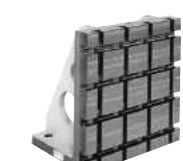
Angle Plate

D10 M/C Angle Plate 90°



BP20-30, 40, 50, 60, 80

D10 M/C Angle Plate 90°



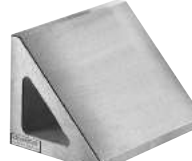
BP22-30 ~ 860

D11 M/C Clamping Cube



BP07-10, 20, 30, 40

D12 Angular Hollow Block 45°



BC45-15, 30, 151, 301

D12 Angular Hollow Block 30°



BC30-15, 30, 151, 301

Vice

D13 Flexible Line Up Vice



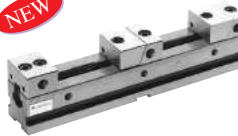
VFS-5030 ~ 7270

D15 Flexible Line Up Vice



VFL-5030 ~ 7270

D17 Flexible Line Up Vice



VFN-6030 ~ 8580



Live Center System

E01 Light Duty Live Center



VPC-MT1, MT2, MT3, MT4, MT5

E01 Live Lathe Center -A Type



VLC-212, 213, 214, 215

E01 Live Lathe Center -A Type



VLC-212, 213, 214, 215

E01 Live Lathe Center -B Type



VLC-213B

E01 Live Lathe Center -B Type



VLC-214B

E02 High-Speed NC Live Center-A Type



VLC-MT3A, MT4A, MT5A, MT6A

E02 High-Speed NC Live Center-B Type



VLC-MT3B, MT4B, MT5B

E02 High-Load NC Live Center-A Type



VCF-MT3A, MT4A, MT5A

E02 High-Load NC Live Center-B Type



VCF-MT3B, MT4B, MT5B

E02 High-Load NC Live Center-B Type



VCF-MT3B, MT4B, MT5B

E03 Inter-changeable Points Live Center



VLC-312, 313, 314

E03 High Speed NC Interchangeable Points Live Center



VCS-MT3, MT4, MT4P, MT5P

E04 High Load Interchangeable Points Live Center



VCP-MT4, MT5

E04 High Speed Live Center- A Type



VLC-512, 513, 514, 515

E04 High Speed Live Center-B Type



VLC-513B, 514B, 515B

E04 High Speed Live Center-B Type



VLC-513B, 514B, 515B

E05 Bull Nose Pipe Center



VLC-

E05 Bull Nose Pipe Center



VLC-

E05 Bull Nose Pipe Center



VLC-

E06 Lathe Centers



VLC-120, 121, 122

E06 Lathe Centers



VLC-112, 113, 114, 115, 116

E07 Work-Driving Center



VDK-32-MT4

E07 Work-Driving Center



VDK-23-MT4

E07 Work-Driving Center



VDK-15-MT4

E07 Work-Driving Center-Changeable Tips



VDC-30-MT4

E08 Inter-Changeable Point Rolling Center



VLC-612, 613, 614, 615

E08 Live Lathe Center



VLC-172, 173, 174, 175



Lathe Center System



Centering Chuck System

E09 3 Jaw Self Centering Chuck



VSC-3A ~ 25A

E09 3 Jaw Powerful Self Centering Chuck



VSK-6A, 8A, 10A, 12A, 13A, 16A

E10 4 Jaw Self Centering Chucks



VPS-6A, 7A, 8A, 10A, 12A

E10 4 Jaw Self Centering Chucks (2-Pices Jaw)



VPS-6AK, 8AK, 10AK, 12AK

E10 3 Jaw Powerful Camlock Type Self-Centering Chuck



VSKC-6A, 8A, 10A, 12A

E11 DIN-Type 3-Jaw Self-Centering Chucks



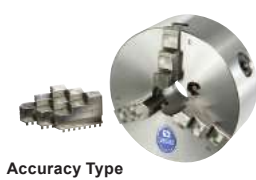
VSC-3D ~ 10D

E11 4-Jaw Independent Chuck Plain Back



VVC-4 ~ 50

E12 3-Jaw Scroll Chuck



Accuracy Type

VSC-3 ~ 16

E12 3-Jaw Powerful Scroll Chuck



Accuracy Type

VSK-4 ~ 16

Thin Chuck

E13 Machining Jaw Chuck



VMJ-6, 8, 10, 12

E13 Super Thin Chucks



VNBK-6, 8, 10, 12

E14 Vertical Machining Chuck



VMJ-150, 200, 250, 300

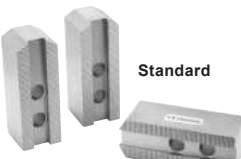
Power Chuck

E15 Soft Jaw For SK-Type Chuck



VSJ-4 ~ 16

E16 Soft Jaw Hydraulic Power Chucks



Standard

VHC-5 ~ 24

E16 Soft Jaw Hydraulic Power Chucks



Aluminium

VHC-8A, 10A

Jaw Forming

E17 Soft Jaw Forming Ring



VFR-05, 06, 08, 10, 12, 15

E18 Soft Jaw Forming Disc



VFRD-6, 8, 9, 10, 12

E18 T Nut For Hydraulic Chuck



B-205T, 206T, 208T, 210T, 212T

E18 Hard Jaws For Hydraulic Power Chucks



HJ-05, 06, 08, 10, 12, 12-1, 15, 15-1

Power Chuck System

E19 3-Jaw Wedge Type Through-Hole Power Chuck (Without Adaptor)



N-205A4 ~ 215A11

E20 2-Jaw Wedge Type Through-Hole Power Chuck (Without Adaptor)



NT205 ~ NT215

E21 3-Jaw Wedge Type Non Through-Hole Power Chuck (Without Adaptor)



V-206A5 ~ 215A11

E22 Super High Speed Through Hole Rotary Hydraulic Cylinder



M1036 ~ M2511

E23 Non Through Hole Rotary Hydraulic Cylinder (With Valves)



MS105, 125, 150, 200

E23 4-Jaw Wedge Type Through-Hole Power Chuck (Without Adaptor)



VNIT-208, 210, 212, 215

E24 6-Jaw Awl Type Chucks



VAS-4, 6

E24 Lathe Collet Chucks



CR42A5, 42A6, 60A6

E25 Lathe Collet



C26 / 42 / 60 / 80

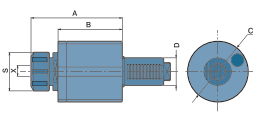
E27 Tool Post Grinder ON Lathe



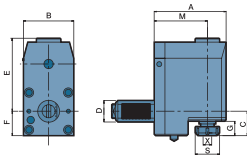
VGR-100, 125, 150, 165, 175, 185



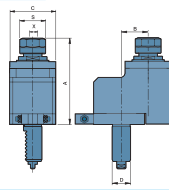
E31 Axial Drilling And Milling Heads



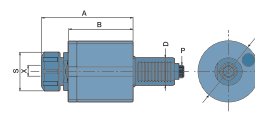
E32 Radial Drilling And Milling Heads-Back Ward Type



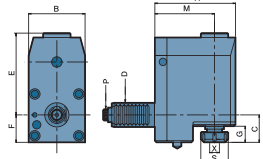
E33 Axial Drilling And Milling Heads



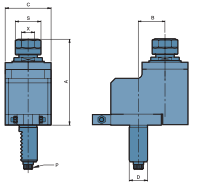
E34 Axial Drilling And Milling Heads



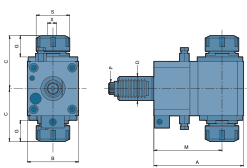
E35 Radial Drilling And Milling Heads-Backward Type



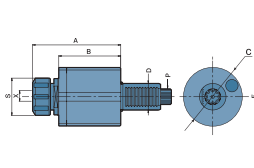
E36 Axial Drilling And Milling Heads-Offset



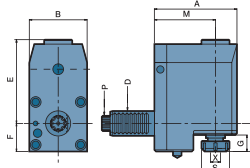
E37 Radial Double Drilling And Milling Heads



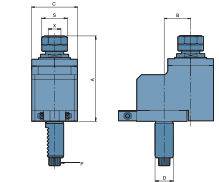
E38 Axial Drilling And Milling Heads



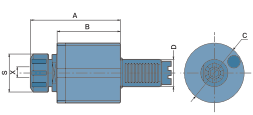
E39 Radial Drilling And Milling Heads



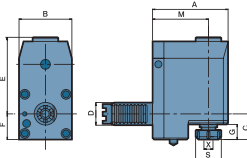
E40 Axial Drilling And Milling Heads



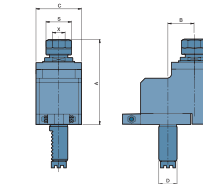
E41 Axial Drilling And Milling Heads-For "Baruffaldi" Type



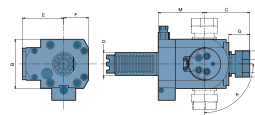
E42 Radial Drilling And Milling Heads-Backwards



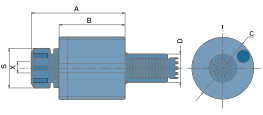
E43 Axial Drilling And Milling Heads



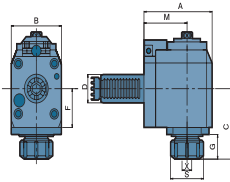
E44 Angular Heads



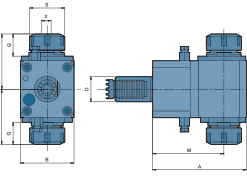
E45 Axial Drilling And Milling Heads-For "Duplomatic" Type



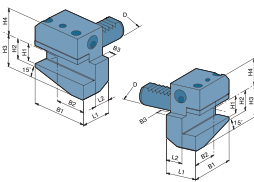
E46 Radial Drilling And Milling Heads



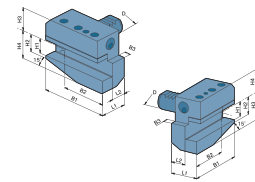
E47 Radial Drilling And Milling Heads



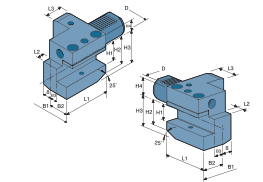
E48 Radial Static Holders



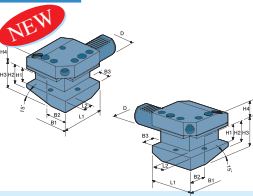
E49 Radial Static Holders



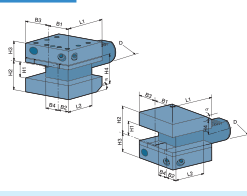
E50 Axial Static Holders



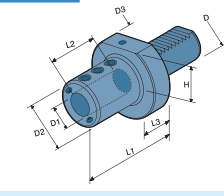
E51 Combined Static Holders



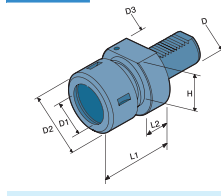
E52 Combined Static Holders



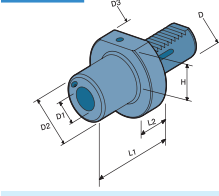
E53 Static Holders



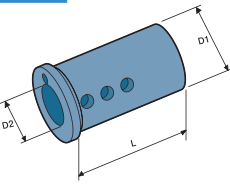
E54 Static Holders



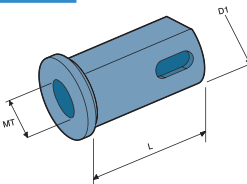
E55 Static Holders



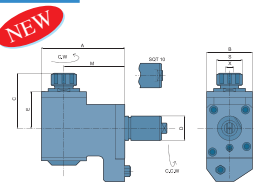
E56 Reducing Sleeves



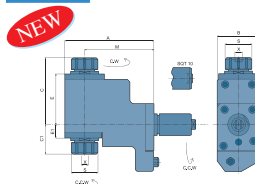
E57 Reducing Sleeves



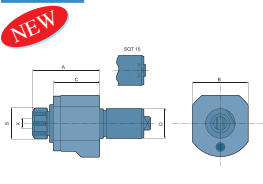
E58 H Type Milling & Drilling Head



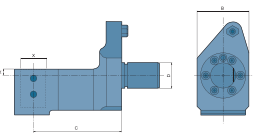
E59 H Type Milling & Drilling Head



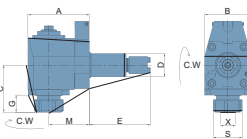
E60 V Type Milling & Drilling Head



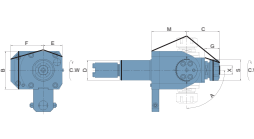
E66 U Drill Holder



E67 Radial Drilling And Milling Heads



E68 Angular Heads





Tool Post System

E69 Quick Change Tool Post & Holders-Italian Style

NEW



VTP-

E70 Individually Piece Italian Style

NEW



VTP-F01-

E70 Individually Piece Italian Style

NEW



VTP-F02-

E70 Individually Piece Italian Style

NEW



VTP-F03-

E70 Individually Piece Italian Style

NEW



VTP-F04-

E71 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E71 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E72 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E72 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E72 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E72 Quick Change Tool Post & Holders-40 Positioning European Style

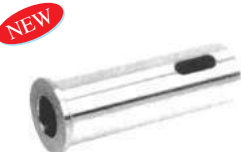
NEW



VTP-F40-

E72 Quick Change Tool Post & Holders-40 Positioning European Style

NEW



VTP-F40-

E73 Quick Change Tool Post American Type

NEW



VTP-F50-

E74 Quick Change Tool Post American Type

NEW



VTP-F50-

E74 Quick Change Tool Post American Type

NEW



VTP-F50-

E74 Quick Change Tool Post American Type

NEW



VTP-F50-

E74 Quick Change Tool Post American Type

NEW



VTP-F50-

E75 Quick Change Tool Post American Type

NEW



VTP-F50-

E75 Quick Change Tool Post American Type

NEW



VTP-F50-

E75 Quick Change Tool Post American Type

NEW



VTP-F50-





F01 Face Milling Cutter 45°



SE545 / 445-3, 4, 5, 6, 8, 10, 12

F01 Face Milling Cutter 65°



SP535 / 435-3, 4, 5, 6, 8, 10, 12

F02 Face Milling Cutter 75°



FP-3, 4, 5, 6, 8, 10, 12

F02 Face Milling Cutter 90°



TP-63 ~ 300

F03 Round Insert Milling Cutter



RM-5R / 8R-50, 63

F03 Shoulder End Mills



SAE-20 ~ 63

F04 High-Speed Face Milling Cutter 45°



HCB-50 ~ 200

F04 High-Speed Face Milling Cutter 45°



HCN-63 ~ 200

F04 High-Speed Face Milling Cutter



FMC-50 ~ 160

F05 Round Insert End Mills



C20 / 25 / 32-4R, 5R ~

F05 Drilling & Milling Cutter



C16 / 20 / 25 / 32-DM ~

F06 High Speed Shoulder Mills



C16 / 20 / 25 / 32-SS ~

F06 High Speed Shoulder Mills



C16 / 20 / 25 / 32-SS ~

F06 Ball End Mills



C20 / 25 / 32-AR ~

F07 High-Speed Rough End Mills



VAPX-1616 ~ 2625

F07 High-Speed Rough End Mills



VHRE- 21010 ~ 32520

F08 CRT Round Insert End Mills



CRT-6R32X / 35X150, 200

F08 Face End Mills



C-32-SE445-50, 63

F08 Shoulder Face Milling Cutter



TPS-50, 63

F09 45° Chamfering End Mills



TC12, TC40

F9 45° Chamfering End Mills



VCE-4521~4563

F9 T-Slot End Mills



VTE-2411~4922

F10 Chamfer Tool



CTH-51~314

F10 Chamfer Tool 6 pcs Kit



CTH-A

F11 Side Milling Cutter



VSM-1016 ~ 2016

F11 T-Side Milling Cutter



VTSC-416 ~ 825

F11 Shell-Type Rough Milling Cutter



VSRC-3, 80

F12 Power Super Drill 2D



VSD-

F12 Power Super Drill 3D



VSD-

F13 Cutting Holders



CGIH26 / 32-3

F13 Cutting Blocks



SUB20-26, 32 / SBU25-32

F14 Insert Type Boring Bar



BBAR-D16

F14 Insert Type Boring Bar



BBAR-D18

F14 Insert Type Boring Bar

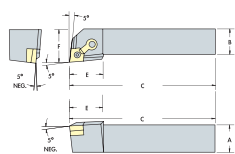


BBAR-D20



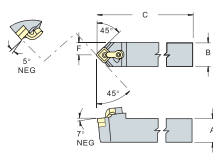
Lathe Tool Holder

F15 Tool Holders



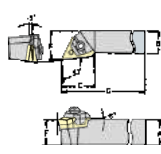
MCLN / MCRN / MTJN / MTEN

F16 Tool Holders



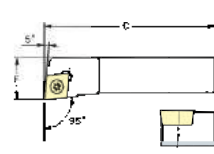
MSD / MVVN / MDJN / MVJN

F17 Tool Holders



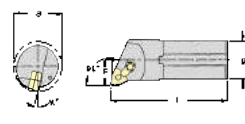
WTJN / WTEN / WTXN / WWLN

F18 Tool Holders



SCLC / SDJC / SVJC / SVVC

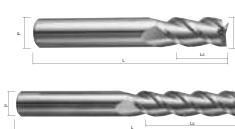
F19 Boring Bars



MWLN / MCLN / MDUN

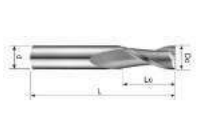
End Mills System

F23 Universal End Mills



VE133, 135~

F24 Universal End Mills



VEA72, 82 ~

F25 Finishing End Mills



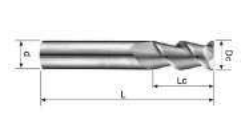
VEA74, 84 ~

F26 Ball Nose End Mills



VBB12, 80 ~

F26 End Mills For Aluminium



VEA92-3 ~ 20

F27 Solid Carbide End Mills For<48HRC



VE112, 122, 125, 127 ~

F28 Solid Carbide End Mills For<48HRC



VE114, 124, 126 ~

F29 Finishing End Mills<56HRC



VE164, 165 ~

F30 Solid Carbide End Mills For<68HRC



VE166, 167 ~

F30 4 Flute Carbide End Mill Set VE124-B 12 PCS/SET In Wooden Box



VE124-B

F30 4 Flute Carbide End Mill Set VE124 18 PCS/SET In Wooden Box



VE124-A

F30 2 Flute Carbide Ball Nose End Mill Set VB222 9 PCS/SET In Wooden Box



VB222-A



F31 Finishing End Mills



VEC40-1.0 ~ 20.0, VED40-3 ~ 20

F32 Roughing End Mills



VFF08-6 ~ 20, VFF09-6 ~ 20

F33 Solid Carbide Ball Nose End Mills For<48HRC



VB221, 222, 232 ~

F33 Solid Carbide Ball Nose End Mills For<48HRC



VB242-3 ~ 20

F34 Ball Nose End Mills<56HRC



VB262, 263 ~

F34 Ball Nose End Mills



VBB61-1.0 ~ 12.0

F35 Solid Carbide NC/CNC Spot Drills



VD903, 904, 913, 914 ~

F36 Twist Drills



VDD12-1.0 ~ 13.0

F37 Twist Drills



VDD13-1.0 ~ 13.0

F38 High Performance Drills



VDD30-2.0 ~ 13.0

F39 High Performance Drills



VDD31-3.0 ~ 20.0

F40 High Performance Drills



VDD32-3.0 ~ 20.0

F41 Combined Drill And Countersink



VDT08-0.50 ~ 5.00, VDTHS-1.6 ~ 6.0

F42 Machine Reamers In Steps Of 0.5mm



VR301-2.0 ~ 20.0

F43 Machine Reamers Carbide Tipped



VR303-10.0 ~ 40.0



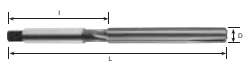
End Mills

F44 Machine Reamers Long Length



VRC02-3.0 ~ 20.0

F44 Hand Reamers-HSS



VHM-03 ~ 12

F45 Adjustable Reamers



VAR-635 ~ 7000

F45 Outside Radius Shape End Mills



VCR-010 ~ 100

F46 Counterbore End Mills



VCB-03 ~ 18

F46 Metal Slitting Saws



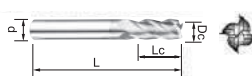
VSS7505 ~ 7520

F46 H.S.S END MILLS



VES2-3.0 ~ 20.0

F46 H.S.S END MILLS



VES4-3.0 ~ 20.0

F47 H.S.S. Drill



HSD-10, 13

F47 H.S.S. Drill



HSD-10, 13



Hand Tap

F48 Hand Taps



VHT-H3 ~ H20

F48 Hand Taps



VHT-H3 ~ H20

F48 Spiral Fluted Machine Taps



VMT-S3 ~ S20

F48 Spiral Pointed Machine Taps



VMT-M3 ~ M20

Tap Wrenches With Ratchet

F49 Tap Wrenches With Ratchet



VPW-310, 512

F49 Tap Wrenches With Ratchet



VPW-118, 110, 112, 412, 520, 927, 1332

F49 Magnetic Tapper



VTM-13

F49 Magnetic Tapper



VTM-13

F49 Magnetic Tapper



VTM-13





Shock Absorber

G01 Shock Absorber

TK-90 , 120 , 160, 200

G01 Shock Absorber

SB-4, 6, 8, 10

G01 Shock Absorber

SC-1, 2 , 3

G01 Shock Absorber

SY-8, 12 ,16

G02 Shock Absorber

VSA-25K

G02 Shock Absorber

VSA-35K, VSA-35K-6RU

G02 Shock Absorber

VSA-150K

G02 Shock Absorber

VSA-150H

G02 Shock Absorber

VSA-150H

Slide Table

G03 Arbor Press

VAR-0, 1, 2, 3, 5

G03 Arbor Press

VARR-3, 5

G04 One Way Acme Thread Slide Table

ST-75, 100, 125

G04 One Way Acme Thread Slide Table

STA-160, 165, 200, 205, 300

G04 Vertical Dovetail Slide Table

SE-100, 150, 200, 250

G05 Precision Boring/ Mining Spindle Head

SH03, 04, 30, 40, 50

G05 Precision Boring/ Mining Spindle Head

SH03, 04, 30, 40, 50

G05 Precision Boring/ Mining Spindle Head

SH30A, 30B, 40A, 40B



Handle System

G06 Flat End Movable Handle

VFE-10, 83, 8, 165

G06 Ellipse Movable Handle

VEM-10, 83, 8, 6

G06 Ball Knobs

VKB-6AA ~ 12BA

G06 Hand Knobs

VKB-8K, 8KL

G07 Adjustable Hand Levers

VAH-6, 8, 10, 12

G07 Adjustable Hand Levers

VAH-620 ~ 1020

G07 Revolving Handles

VRL-8H, 8HA, 10H, 10HA, 10HB

G07 360° Swivelling Lock HandleA Type B Type
VSA-1 ~ 4, VSB-1 ~ 4**G08 Crank Handle**

VAH-21~23,31~32

G08 Shoulder Bolt

VLS-1320~1840

G08 Washer

VLE-W226~W3515

G08 Lifting Eye Bolts

VLE-6A ~ 24A

G09 Ball Plugger Screw-socket & Slotted

VBP-031 ~ 16I, VBP-03H ~ 16H

G10 PU-Hammer Series

VHM-38, 46, 50, 58, 60

G10 Hammer

VHM-25PE ~ 60PE



Sawing Machine System

G11 Universal Drill & Cutter Grinder



VDG-32N

G11 Horizontal Band Saws



HBS-7

G12 Horizontal Band Saws



HBS-7CE

G12 Saw Blade



HBS-106 ~

G13 Multi-Purpose Milling & Drilling Machine



MD-30B

G14 Vertical Band Sawing Machine



Y-310

G14 Vertical Band Sawing Machine



Y-360

G14 Vertical Band Sawing Machine



Y-400

G14 Vertical Band Sawing Machine



Y-500

Air Die Tool System

G15 Air Die Tool



VAG-500, 601A

G15 Air Die Tool



VAG-701

G15 Air Die Tool



VAG-609

G15 Air Die Tool



VAG-8241

G16 Air Die Tool



VAG-604

G16 Air Die Tool



VAG-605

G16 Air Die Tool



VAG-8242

G16 Air Die Tool



VAG-932

G17 Air Die Tool



VAG-318

G17 Air Die Tool



VAG-F30

G17 Air Die Tool



VAG-310

G17 Air Die Tool



VAG-320

G18 Air Die Tool



VAG-030

G18 Air Die Tool



VAG-050

G18 Air Die Tool

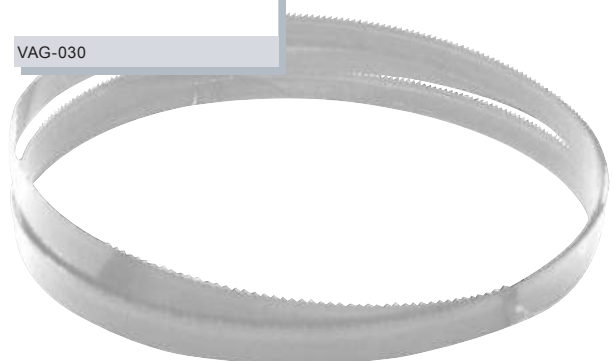


VAG-070

G18 Air Die Tool



VAG-070H





Air Die Tool

G19 Abrasive Mounted Point & Wheel For Air Tool

WA-303A ~ 310A

G19 Abrasive Mounted Point & Wheel For Air Tool

WF-304 ~ 312

G19 Abrasive Mounted Point & Wheel For Air Tool

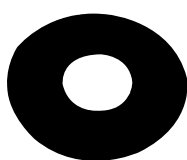
WR-304 ~ 310

G19 Abrasive Mounted Point & Wheel For Air Tool

WE-303 ~ 310

G19 Abrasive Mounted Point & Wheel For Air Tool

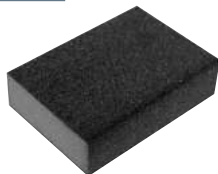
WF-30P

G19 Abrasive Mounted Point & Wheel For Air Tool

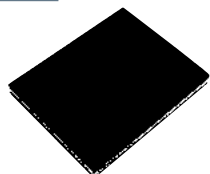
WF-30S

G19 Abrasive Mounted Point & Wheel For Air Tool

WF-30C

G19 Handy Sponge Saner

VSS-436

G19 Handy Sponge Saner

VSS-560

G20 Diamond Tools For Air Tool

WG-30D

G20 Diamond Tools For Air Tool

WG-30D

Carbide Burrs

G21 Carbide Rotary Burrs

NEW



VRB-C6, C8, C10, C12

G21 Carbide Rotary Burrs

NEW



VRB-S6, S8, S10, S12

G21 Carbide Rotary Burrs

NEW



VRB-A6, A8, A10, A12

G22 Carbide Rotary Burrs

NEW



VRB-P6, P8, P10, P12

G22 Carbide Rotary Burrs

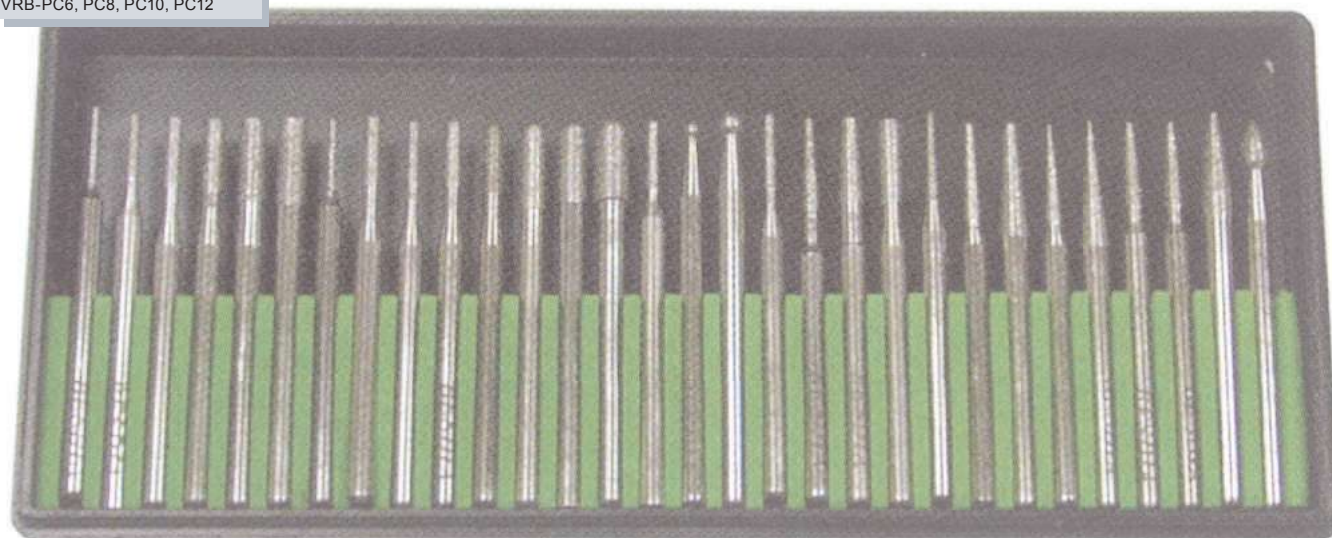
NEW



VRB-CR6, CR8, CR10, CR12

G22 Carbide Rotary Burrs

VRB-PC6, PC8, PC10, PC12





Screw Driver & Pliers Series

H01 Screwdriver Blades & Tips

NEW



INFO.

H02 Screwdriver

NEW



TSD-S / P ~ , TSP-P / T ~

H03 Insulated Screwdriver



TIS-S / P / PZ ~

H03 Screwdriver Set



TOSR-1

H04 Screwdriver



GPSD-S / P ~

H04 Screwdriver



RPSD-S / P ~

H05 Precision Screwdriver



TSR-1, TSR-2, TSR-3

H06 Multi - Function Sets



TMF-1

H06 Multi - Function Sets



TMF-2

H06 Multi - Function Sets



TMF-11

H06 With Precision Mini Screwdriver Set



TWS-1

H07 Precision Screwdriver Set



TSD-M

H07 Bits Series



TSB-1

H07 Bits Series



TSB-2

H08 Bits Series



TSB-11 ~ 26

H08 Nut Setter



TSB-40 ~ 43

H09 L Type Key Set



THB-1, THB-2

H09 L Type Key Set



THB-11, 12, 13, 14

H09 Fold Type HEX. Key Set



THB-21, 22

H10 T-Bar Set



THB-51, 52

H10 T-Bar Nutdriver Set



THB-53

H10 Hex-T Key



THB-1.5 ~ 10

H11 Pliers



TPL-D1, C1, L1, B1, WS, WP

H11 Insulated Pliers



TPI-ID, IC, IL, IB, IWS, IWP

H12 Tool Kits



THT-M65

H12 Tool Kits



THT-M90

H13 Tool Kits



THT-S95

H14 Jaw Clamp



HJC-VS30 ~ VS150

H14 Jaw Clamp



HJC-H25 ~ H150

H15 Carbon Steel Punches



VNP-30, 40, 50, 60, 80, 100

H15 Carbon Steel Punches



VLP-30, 40, 50, 60, 80, 100

H15 Hex - T Key



HT-2.0~10.0

H15 Ball Hex. L Type Key Set



HB-9L

H15 Fold Type Hex. Key Sets



HF-8

Jaw Clamp

Key Set



Goggles Series

I01 Welding Light Goggles



SWLG-040

I01 Welding Light Goggles



SWLG-041

I02 Safety Goggles



SDG-01

I02 Safety Goggles



SDG-05

I02 Safety Goggles



SDG-10

I03 Welding Light Helmets



WLH-01

I03 Face & Forehead Shield



FHS-01

I03 Safety Helmets



SHC-01

I03 Safety Helmets



SHC-02

Ear Hearing

I04 Ear Hearing Protection



EHP-1

I04 Ear Hearing Protection



EHP-5

I04 Ear Hearing Protection



EHP-11

I04 Ear Hearing Protection



SEHP-15

I04 Ear Hearing Protection



SEHP-19





Drill Grinder

J1 Precision Drill Grinder



VDG-13A

J1 Precision Drill Grinder



VDG-13A

J1 Precision Drill Grinder



VDG-25

J1 Precision Drill Grinder



VDG-30

J1 Tooling Rack Stand

NEW



VTC-20

Mill Grinder

J5 Precision End Mill Grinder



VEG-13A

J5 Precision End Mill Grinder



VEG-13A

J5 Precision End Mill Grinder



VEG-25A

J5 Tooling Rack Stand

NEW



VTC-20

J5 Tooling Rack Stand



VTC-20

Rods Cutting

J9 Rods Cutting-Off Unit

NEW



VEC-20

J9 Rods Cutting-Off Unit



VEC-20

J9 Rods Cutting-Off Unit



VEC-20

J10 Rods Cutting-Off Unit



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PD-150 FOR R8	A81	RBH68-92-T	C84	S50-30	C106	SK0606A	C67	SK1621AA	C67
PD-200 FOR NT-50	A81	RBH900-1200LA	C86	S50-40	C106	SK0606AA	C68	SK1622A	C68
PF-120	B71	RBH90-122-C	C84	S50R-MWLNLO8	F17	SK0607A	C67	SK1622AA	C67
PF-160	B71	RBH90-122-S	C84	S50U-MCLNL12	F17	SK0607AA	C68	SK1623A	C68
PF-20	B71	RBH90-122-T	C84	S50U-MCLNR12	F17	SK0608A	C67	SK1623AA	C67
PF-40	B71	RBH90-130LA-C	C86	S50U-MDUNL15	F17	SK0608AA	C68	SK1624A	C68
PF-60	B71	RBH90-130LA-S	C86	S50U-MDUNR15	F17	SK0609A	C67	SK1624AA	C67
PF-80	B71	RBH90-130LA-T	C86	S50U-MWLNLO8	F17	SK0609AA	C68	SK1625A	C68
R		RM-5R50	F3	S50U-MWLNRO8	F17	SK1001A	C67	SK1625AA	C67
R8-□	C41	RM-5R63	F3	SAE-20	F3	SK1001AA	C68	SK1626A	C68
R8-1/2	C41	RM-8R50	F3	SAE-25	F3	SK1002A	C67	SK1626AA	C67
R8-1/4	C41	RM-8R63	F3	SAE-30	F3	SK1002AA	C68	SK1627A	C68
R8-1/8	C41	RPSD-P6100	H4	SAE-35	F3	SK1003A	C67	SK1627AA	C67
R8-10	C41	RPSD-P6150	H4	SAE-40	F3	SK1003AA	C68	SK1628A	C68
R8-11	C41	RPSD-P8150	H4	SAE-45	F3	SK1004A	C67	SK1628AA	C67
R8-11/16	C41	RPSD-P8200	H4	SAE-50	F3	SK1004AA	C68	SK2001A	C68
R8-12	C41	RPSD-S3100	H4	SAE-63	F3	SK1005A	C67	SK2001AA	C67
R8-13	C41	RPSD-S350	H4	SB-10	G1	SK1005AA	C68	SK2002A	C68
R8-14	C41	RPSD-S375	H4	SB-4	G1	SK1006A	C67	SK2002AA	C67
R8-15	C41	RPSD-S5100	H4	SB-6	G1	SK1006AA	C68	SK2003A	C68
R8-16	C41	RPSD-S5150	H4	SB-8	G1	SK1007A	C67	SK2003AA	C67
R8-17	C41	RPSD-S6100	H4	SBP-4040	D10	SK1007AA	C68	SK2004A	C68
R8-18	C41	RPSD-S6150	H4	SBP-4040A	D10	SK1008A	C67	SK2004AA	C67
R8-19	C41	RPSD-S638	H4	SBP-5050	D10	SK1008AA	C68	SK2005A	C68
R8-20	C41	RPSD-S8150	H4	SBP-5050A	D10	SK1009A	C67	SK2005AA	C67
R8-3	C41	RPSD-S8200	H4	SBP-6363	D10	SK1009AA	C68	SK2006A	C68
R8-3/16	C41	S		SBP-6363A	D10	SK1010A	C67	SK2006AA	C67
R8-3/4	C41	S-1	B66	SBP-8080A	D10	SK1010AA	C68	SK2007A	C68
R8-3/8	C41	S103	B23	SC-1	G1	SK1011A	C67	SK2007AA	C67
R8-4	C41	S10M-SDQCL07	F18	SC-2	G1	SK1011AA	C68	SK2008A	C68
R8-5	C41	S10M-SDQCR07	F18	SC-3	G1	SK1012A	C67	SK2008AA	C67
R8-5/16	C41	S10M-SDUCL07	F18	SCLCL-0808H06	F16	SK1012AA	C68	SK-214	C68
R8-5/8	C41	S10M-SDUCR07	F18	SCLCL-1010H06	F16	SK1013A	C67	SK-215	C67
R8-6	C41	S111	B23	SCLCL-1212H09	F16	SK1013AA	C68	SK-216	C68
R8-7	C41	S12M-SDQCL07	F18	SCLCL-1616H09	F16	SK1014A	C67	SK-217	C67
R8-7/16	C41	S12M-SDQCR07	F18	SCLCL-1616H09	F16	SK1014AA	C68	SK-218	C68
R8-8	C41	S12M-SDZCL07	F18	SCLCR-0808H06	F16	SK1015A	C67	SK-219	C67
R8-9	C41	S12M-SDZCR07	F18	SCLCR-1010H06	F16	SK1015AA	C68	SK-220	C68
R8-9/16	C41	S12M-SDZCR07	F18	SCLCR-1212H09	F16	SK1016A	C67	SK2501A	C67
RBH 200LA	C83	S12M-SDZCR07	F18	SCLCR-1616H09	F16	SK1016AA	C68	SK2501AA	C68
RBH 300LA	C83	S16Q-SDQCR07	F18	SDG-01	I2	SK1017A	C67	SK2502A	C67
RBH 400LA	C83	S16Q-SDUCL07	F18	SDG-05	I2	SK1017AA	C68	SK2502AA	C68
RBH 500LA	C83	S16Q-SDUCL07	F18	SDG-10	I2	SK1018A	C67	SK2503A	C67
RBH 600LA	C83	S16Q-SDZCL07	F18	SDJCL-0808H07	F16	SK1018AA	C68	SK2503AA	C68
RBH 900LA	C83	S16Q-SDZCR07	F18	SDJCL-1010H07	F16	SK-112	C60	SK2504A	C67
RBH120-164-C	C84	S16Q-SDZCR07	F18	SDJCL-1212H11	F16	SK-113	C60	SK2504AA	C68
RBH120-164LA-C	C86	S16Q-SVQCL11	F18	SDJCL-1616H11	F16	SK-114	C60	SK2505A	C67
RBH120-164LA-S	C86	S16Q-SVQCR11	F18	SDJCR-0808H07	F16	SK-117	C60	SK2505AA	C68
RBH120-164LA-T	C86	S16Q-SVUCL11	F18	SDJCR-1010H07	F16	SK-118	C60	SK2506A	C67
RBH120-164-S	C84	S20R-MCLNL12	F17	SDJCR-1212H11	F16	SK-119	C60	SK2506AA	C68
RBH120-164-T	C84	S20R-MCLNR12	F17	SDJCR-1616H11	F16	SK-120	C60	SK2507A	C67
RBH160-204-C	C84	S20R-MWLNRO8	F17	SE-100	G4	SK1601A	C67	SK2507AA	C68
RBH160-204LA-C	C86	S20R-SDQCL11	F18	SE-150	G4	SK1601AA	C68	SK2508A	C67
RBH160-204LA-S	C86	S20R-SDQCR11	F18	SE-200	G4	SK1602A	C67	SK2508AA	C68
RBH160-204LA-T	C86	S20R-SDUCL11	F18	SE-250	G4	SK1602AA	C68	SK2509A	C67
RBH160-204-S	C84	S20R-SDZCL11	F18	SE445-10	F1	SK1603A	C67	SK2509AA	C68
RBH160-204-T	C84	S20R-SDZCR11	F18	SE445-12	F1	SK1603AA	C68	SK2510A	C67
RBH200-300-C	C84	S20R-SVQCL11	F18	SE445-3	F1	SK1604A	C67	SK2510AA	C68
RBH200-300-S	C84	S20R-SVQCR11	F18	SE445-4	F1	SK1604AA	C68	SK2511A	C67
RBH200-300-T	C84	S20R-SVUCL11	F18	SE445-5	F1	SK1605A	C67	SK2511AA	C68
RBH200-310LA	C86	S20R-SVUCR11	F18	SE445-6	F1	SK1605AA	C68	SK2512A	C67
RBH25-33-C	C84	S25R-MCLNL12	F17	SE445-8	F1	SK1606A	C67	SK2512AA	C68
RBH25-35LA-C	C86	S25R-MCLNR12	F17	SE454-3	F1	SK1606AA	C68	SK40-VCK4-65	C87
RBH300-400-C	C84	S25R-MDUNL15	F17	SE454-10	F1	SK1607A	C67	SK40-VCK5-65	C88
RBH300-400-S	C84	S25R-MDUNR15	F17	SE454-12	F1	SK1607AA	C68	SK40-VRL13	C74
RBH300-400-T	C84	S25R-MWLNLO8	F17	SE454-4	F1	SK1608A	C67	SK40-VRL16	C74
RBH300-410LA	C86	S25R-MWLNRO8	F17	SE454-5	F1	SK1608AA	C68	SK40-WF12	C111
RBH32-42-C	C84	S25R-SDQCL11	F18	SE454-6	F1	SK1609A	C67	SK40-WF20	C111
RBH32-42-T	C84	S25R-SDQCR11	F18	SE454-8	F1	SK1609AA	C68	SK-417	C61
RBH32-45LA-C	C86	S25R-SDUCL11	F18	SEHP-15	I4	SK1610A	C67	SK-418	C61
RBH32-45LA-T	C86	S25R-SDUCR11	F18	SEHP-19	I4	SK1610AA	C67	SK-419	C61
RBH400-510LA	C86	S25R-SDZCL11	F18	SH03	G5	SK1611A	C68	SK-420	C61
RBH40-55-C	C84	S25R-SDZCR11	F18	SH04	G5	SK1611AA	C67	SK-421	C61
RBH40-55LA-C	C86	S25R-SVQCL16	F18	SH30	G5	SK1612A	C68	SK-422	C61
RBH40-55LA-S	C86	S25R-SVQCR16	F18	SH30A	G5	SK1612AA	C67	SK-423	C61
RBH40-55LA-T	C86	S25R-SVUCR16	F18	SH30B	G5	SK1613A	C68	SK-424	C61
RBH40-55-S	C84	S32S-MCLNL12	F17	SH40	G5	SK1613AA	C67	SK-425	C61
RBH40-55-T	C84	S32S-MCLNR12	F17	SH40A	G5	SK1614A	C68	SK-426	C61
RBH500-610LA	C86	S32S-MDUNL15	F17	SH40B	G5	SK1614AA	C67	SK-427	C61
RBH52-70-C	C84	S32S-MWLNLO8	F17	SH50	G5	SK1615A	C68	SK-428	C61
RBH52-70-S	C84	S32S-MWLNRO8	F17	SHC-01	I3	SK1615AA	C67	SK-429	C61
RBH52-70-T	C84	S32S-MWLNRO8	F17	SHC-02	I3	SK1616A	C68	SK-430	C61
RBH52-75LA-C	C86	S40T-MCLNL12	F17	SK0601A	C67	SK1616AA	C67	SK-431	C61
RBH52-75LA-S	C86	S40T-MCLNR12	F17	SK0601AA	C68	SK1617A	C68	SK-509	C61
RBH52-75LA-T	C86	S40T-MDUNL15	F17	SK0602A	C67	SK1617AA	C67	SK50-VCK4-75	C87
RBH600-900LA	C86	S40T-MDUNR15	F17	SK0602AA	C68	SK1618A	C68	SK50-VCK5-75	C88
RBH68-100LA-C	C86	S40T-MWLNLO8	F17	SK0603A	C67	SK1618AA	C67	SK50-WF12	C111
RBH68-100LA-S	C86	S40T-MWLNRO8	F17	SK0603AA	C68	SK1619A	C68	SK50-WF20	C111
RBH68-100LA-T	C86	S40T-MDUNL15	F17	SK0604A	C67	SK1619AA	C67	SK-510	C61
RBH68-92-C	C84	S40T-MDUNR15	F17	SK0604AA	C68	SK1620A	C68	SK-511	C61
		S40T-MWLNLO8	F17	SK0605A	C67	SK1620AA	C67	SK-512	C61

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SK-514	C61	SQT 10M/15AM-B-M	E64	ST32-SF33	C11	TC-312-#10-ANSI	C123	TG-10-23	C40
SK-515	C61	SQT 10M/15AM-DB-I	E65	ST32-WF12	C112	TC-312-#12-ANSI	C123	TG-10-24	C40
SK-516	C61	SQT 10M/15AM-DB-M	E65	ST32-WF33	C112	TC-312-#14-ANSI	C123	TG-10-25	C40
SKB-201	C69	SQT 10M/15AM-DT-I	E63	ST-75	G4	TC312-M3-ANSI	C123	TG-10-26	C40
SKB-202	C69	SQT 10M/15AM-DT-M	E63	STA-160	G4	TC312-M4-ANSI	C123	TG-10-27	C40
SKB-203	C69	SQT 10M/15AM-FRH-I	E66	STA-165	G4	TC312-M5-ANSI	C123	TG-10-28	C40
SKB-204	C69	SQT 10M/15AM-FRH-M	E66	STA-200	G4	TC312-M6-ANSI	C123	TG-10-29	C40
SKB-205	C69	SQT 10M/15AM-FTRH-I	E62	STA-205	G4	TC312-M8-ANSI	C123	TG-10-30	C40
SKB-206	C69	SQT 10M/15AM-FTRH-M	E62	STA-300	G4	TC312-M10-ANSI	C123	TG-10-31	C40
SKB-207	C69	SQT 10M/15AM-RTLH-I	E63	SUB20-26	F13	TC312-M12-ANSI	C123	TG-10-32	C40
SKB-208	C69	SQT 10M/15AM-RTLH-M	E63	SUB20-32	F13	TC312-M14-ANSI	C123	TG-10-33	C40
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SKB-210	C69	SQT 10M/15AM-UD-M	E65	SV-125	A54	TC312-UNC3/16-ANSI	C123	TG-10-35	C40
SKB-211	C69	SQT 10-VMD25	E59	SV-62	A54	TC312-UNC1/4-ANSI	C123	TG-10-36	C40
SKB-212	C69	SQT 10-VMD25DA	E60	SV-85	A54	TC312-UNC5/16-ANSI	C123	TG-10-37	C40
SKB-213	C69	SQT 10-VT16DA	E60	SVB-20	B11	TC312-UNC7/16-ANSI	C123	TG-10-38	C40
SKB-214	C69	SQT 10-VT16F	E59	SVB-25	B11	TC312-UNC1/2-ANSI	C123	TG-10-39	C40
SKB-215	C69	SQT 15/18-HBMD25	E58	SVB-30	B11	TC312-UNC3/8-ANSI	C123	TG-10-40	C40
SKB-216	C69	SQT 15/18-HBMD32	E58	SVC-100	B15	TC312-UNC9/16-ANSI	C123	TG-10-41	C40
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SKB-218	C69	SQT 15/18-HBT20	E58	SVD-250	B11	TC40	F9	TG-10-43	C40
SKB-219	C69	SQT 15/18-HMD232	E59	SVD-300	B11	TC820/TC1433-AD	C117	TG-10-44	C40
SKB-221	C69	SQT 15/18-HMD25	E58	SVJCL-1010H11	F16	TC820-UNC7/16-ANSI	C123	TG-10-45	C40
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SKB-223	C69	SQT 15/18-HT20	E58	SVJCL-1616H11	F16	TC820-UNC3/8-ANSI	C123	TG-10-47	C40
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SKB-225	C69	SQT 15/18-VMD25F-1	E59	SVJCL-2525M16	F16	TC820-UNC5/8-ANSI	C123	TG-10-49	C40
SKB-226	C69	SQT 15/18-VMD32	E59	SVJCR-1010H11	F16	TC820-UNC11/16-ANSI	C123	TG-10-50	C40
SKB-227	C69	SQT 15/18-VMD32DA	E60	SVJCR-1212H11	F16	TC820-UNC3/4-ANSI	C123	TG-10-51	C40
SKB-228	C69	SQT 15/18-VMD32L	E60	SVJCR-1616H11	F16	TC820-UNC13/16-ANSI	C123	TG-10-52	C40
SKB-229	C69	SQT 15/18-VT20DA	E60	SVJCR-2020K16	F16	TC820-UNC7/8-ANSI	C123	TG-10-53	C40
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SKB-231	C69	SQT 15M/18M-B-I	E64	SVL-50	B15	TDA30548016	E34	TG-10-55	C40
SKB-232	C69	SQT 15M/18M-B-M	E64	SVS-100	B15	TDA30548216	E38	TG-10-56	C40
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SKB-303	C69	SQT 15M/18M-DT-M	E63	SVVCN-2020K16	F16	TDA40548020	E34	THB-11	H9
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SKB-305	C69	SQT 15M/18M-FRH-M	E66	SWLG-040	I1	TDA40IT20	E45	THB-13	H9
SKB-306	C69	SQT 15M/18M-FTRH-I	E62	SWLG-041	I1	TDA40MT20	E41	THB-14	H9
SKB-307	C69	SQT 15M/18M-FTRH-M	E62	SY-12	G1	TDA50180925	E31	THB-2	H9
SKB-308	C69	SQT 15M/18M-RTLH-I	E63	SY-16	G1	TDA50548225	E38	THB-2.0	H10
SKB-309	C69	SQT 15M/18M-RTLH-M	E63	SY-8	G1	TDA50MT25	E41	THB-2.5	H10
SKB-310	C69	SQT 15M/18M-UD-I	E65			TDA60180932	E31	THB-21	H9
SKB-311	C69	SQT 15M/18M-UD-M	E65			TDA60548232	E38	THB-22	H9
SKB-312	C69	SQT 28M/30AM-B-I	E64	T1-30-32-100	E55	TE25-ER16	E57,E68	THB-3	H10
SKB-313	C69	SQT 28M/30M-B-M	E64	T1-30-32-120	E55	TE32-ER20	E57,E68	THB-4	H10
SKB-314	C69	SQT 28M/30M-DB-I	E65	T1-30-32-65	E55	TE40-ER25	E57,E68	THB-5	H10
SKB-315	C69	SQT 28M/30M-DB-M	E65	T1-30-32-85	E55	TE50-ER32	E57,E68	THB-51	H10
SKN-101	C70	SQT 28M/30M-FRH-I	E66	T1-30-3x25	E55	TFR3018091655TFL3018091655	E32	THB-52	H10
SKN-161	C70	SQT 28M/30M-FRH-M	E66	T1-40-32-85	E55	TFR3054801655TFL3054801655	E35	THB-53	H10
SKN-201	C70	SQT 28M/30M-RTLH-I	E63	T1-40-40-100	E55	TFR3054801685TFL3054801685	E35	THB-6	H10
SKN-251	C70	SQT 28M/30M-RTLH-M	E63	T1-40-40-85	E55	TFR3054821665TFL3054821665	E39	THB-8	H10
SKN-601	C70	SQT 410N/415N-RTLH-I	E63	TAP-20-ER20	E54	TFR3054821685TFL3054821685	E39	THT-M65	H12
SKS-210	C70	SQT 420N-RTLH-I	E63	TAP-30-ER25	E54	TFR30IT1665TFL30IT1665	E46	THT-M90	H12
SKS-211	C70	SQT 610N/615N-RTLH-M	E63	TAP-40-ER25	E54	TFR30IT1685TFL30IT1685	E46	THT-S95	H13
SKS-212	C70	SQT 620N/625N-RTLH-M	E63	TAP-50-ER32	E54	TFR30MT1665TFL30MT1665	E42	TIS-P3	H3
SKS-213	C70	SRTP110150	C88	TAP-60-ER32	E54	TFR30MT1685TFL30MT1685	E42	TIS-P5	H3
SKS-214	C70	SRTP2838	C87	TB1-30	E57,E68	TFR4018092065TFL4018092065	E32	TIS-P6	H3
SKS-231	C70	SRTP2838	C88	TB1-40	E57,E68	TFR4054802065TFL4054802065	E35	TIS-P8	H3
SKS-232	C70	SRTP3652	C87	TB1-50	E57,E68	TFR4054802085TFL4054802085	E35	TIS-PZ3	H3
SKS-233	C70	SRTP3652	C88	TBP-10050	D10	TFR4054822065TFL4054822065	E39	TIS-PZ5	H3
SKS-234	C70	SRTP4470	C87	TBP-10050D	D10	TFR4054822085TFL4054822085	E39	TIS-PZ6	H3
SKW-101	C70	SRTP4470	C88	TBP-6040	D10	TFR40IT2065	E46	TIS-PZ8	H3
SKW-161	C70	SRTP58-90	C87	TBP-6040D	D10	TFR40IT2085TFL40IT2085	E46	TIS-S3	H3
SKW-201	C70	SRTP70110	C88	TBP-6050	D10	TFR40MT2065TFL40MT2065	E42	TIS-S4	H3
SKW-251	C70	SS-304	B28	TBP-6050D	D10	TFR40MT2085TFL40MT2085	E42	TIS-S5	H3
SKW-601	C70	SS-306	B28	TBP-6060	D10	TFR5018092575TFL5018092575	E32	TIS-S6	H3
SMA-3	A104	SS-308	B28	TBP-6060D	D10	TFR50MT2575TFL50MT2575	E42	TIS-S8	H3
SMA-6	A104	SS-310	B28	TBP-8040	D10	TG-10-01	C40	TK-120	G1
SMA-8.5	A104	SS-312	B28	TBP-8040D	D10	TG-10-02	C40	TK-160	G1
SP435-10	F1	SST12-DC6-120E	C66	TBP-9045	D10	TG-10-03	C40	TK-200	G1
SP435-12	F1	SST16-DC6-150E	C66	TBP-9045D	D10	TG-10-04	C40	TK-90	G1
SP435-3	F1	SST20-DC6-200E	C66	TBR3018091672TBL3018091672	E32	TG-10-05	C40	TMF-1	H6
SP435-4	F1	SST25-DC6-250E	C66	TBR3054801672TBL3054801672	E35	TG-10-06	C40	TMF-11	H6
SP435-5	F1	ST08-W5-100	C88	TBR3054821672TBL3054821672	E39	TG-10-07	C40	TMF-2	H6
SP435-6	F1	ST-100	G4	TBR30MT1672TBL30MT1672	E42	TG-10-08	C40	TOSR-1	H3
SP435-8	F1	ST10-W6-110	C88	TBR4018092090TBL4018092090	E32	TG-10-09	C40	TP-100	F2
SP535-10	F1	ST-125	G4	TBR4054802090TBL4054802090	E35	TG-10-10	C40	TP-125	F2
SP535-12	F1	ST12-DC6-120	C66	TBR4054822090TBL4054822090	E39	TG-10-11	C40	TP-150-18	A78
SP535-3	F1	ST12-W6-120	C88	TBR40MT2090TBL40MT2090	E42	TG-10-12	C40	TP-150-20	A78
SP535-4	F1	ST16-DC6-150	C66	TBR5018092590TBL5018092590	E32	TG-10-13	C40	TP-150-22	A78
SP535-5	F1	ST16-W10-160	C88	TBR5054822590TBL5054822590	E39	TG-10-14	C40	TP-150-24	A78
SP535-6	F1	ST20-DC6-200	C66	TBR50MT2590TBL50MT2590	E42	TG-10-15	C40	TP-160	F2
SP535-8	F1	ST20-SF12	C115	TBR60180932106TBL60180932106	E32	TG-10-16	C40	TP-200	F2
SQT 10-HBMD25	E58	ST20-SF20	C115	TBR60548232106TBL60548232106	E39	TG-10-17	C40	TP-250	F2
SQT 10-HBT16	E58	ST20-WF12	C112	TC12	F9	TG-10-18	C40	TP-300	F2
SQT 10-HMB2025	E59	ST20-WF20	C112	TC1433/TC820-AD	C117	TG-10-19	C40	TP-3040	C106
SQT 10-HMD25	E58	ST25-DC6-250	C66	TC-312-#5-ANSI	C123	TG-10-20	C40	TP-3040E	C106
SQT 10-HT16	E58	ST32-SF12	C115	TC-312-#6-ANSI	C123	TG-10-21	C40	TP-63	F2
SQT 10M/15AM-B-I	E64	ST32-SF20	C115	TC-312-#8-ANSI	C123	TG-10-22	C40	TP-80	F2

TP-90-18	A78	U2-E	A84	V16035	C3	V20120L	C8	V25100	C4
TP-90-20	A78	U2-G WHEEL	A84	V16035S	C5	V20120S	C5	V25100L	C8
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TP-90-24	A78	U2-R #200	A84	V16040L	C8	V20125S	C5	V25110	C4
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TPI-IC	H11	U2-R-1 #400	A84	V16045	C3	V20130L	C8	V25110S	C6
TPI-ID	H11	U2-R-1	A84	V16045S	C5	V20130S	C5	V25120	C4
TPI-IL	H11	U2-T	A84	V16050	C3	V-202	C11	V25120L	C8
TPI-IWP	H11	UC10-10	C68	V16050L	C8	V-203	C11	V25120S	C6
TPI-IWS	H11	UC10-6	C68	V16050S	C5	V-204	C11	V25130	C4
TPL-B1	H11	UC10-8	C68	V16055	C3	V-205	C11	V25130L	C8
TPL-C1	H11	UC16-10	C68	V16055S	C5	V-206	C11	V25130S	C6
TPL-D1	H11	UC16-12	C68	V16060	C3	V-206A5	E21	V25140	C4
TPL-L1	H11	UC16-14	C68	V16060L	C8	V-206A5	E21	V25140L	C8
TPL-WP	H11	UC16-16	C68	V16060S	C5	V-207	C11	V25140S	C6
TPL-WS	H11			V16065	C3	V-208	C11	V25150	C4
TPS-50	F9	V		V16065S	C5	V-208A5	E21	V25150L	C8
TPS-63	F9	V08000	C3	V16070	C3	V-208A6	E21	V25150S	C6
TS-1	A2	V-08000	C7	V16070L	C8	V-208A6	E21	V25160	C4
TS-135	D6	V08000S	C5	V16070S	C5	V-209	C11	V25160L	C8
TS-135	D6	V08010	C3	V16075	C3	V-21	A95, A96, A98	V25160S	C6
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TS-135-MT3	D6	V08015	C3	V16080	C3	V-210A6	E21	V-26171	B68
TS-160	D6	V08015S	C5	V16080L	C8	V-210A6	E21	V-26172	B69
TS-160	D6	V08020	C3	V16080S	C5	V-210A8	E21	V-26176	B70
TS-160-MT3	D6	V08020S	C5	V16085	C3	V-210A8	E21	V-26177	B70
TS-160-MT3	D6	V08025	C3	V16085S	C5	V-211	C11	V-27	A98
TS-2	A2	V08025S	C5	V16090	C3	V-212	C11	V-2V	A76
TS-210	D6	V08030	C3	V16090L	C8	V-212A8	E21	V-301	C13
TS-210	D6	V08030S	C5	V16090S	C5	V-212A8	E21	V-302	C13
TS-210-MT3	D6	V08035	C3	V16095	C3	V-213	C11	V-303	C13
TS-210-MT3	D6	V08035S	C5	V16095S	C5	V-214	C11	V-311	C13
TS-3	A2	V08040	C3	V16100	C3	V-215	C11	V-312	C13
TS-4	A2	V08040S	C5	V16100L	C8	V-215A11	E21	V-313	C13
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TSB-11	H8	V08045S	C5	V-20	A96, A98	V-215A8	E21	V-315	C13
TSB-12	H8	V08050	C3	V20000	C3	V-215A8	E21	V-316	C13
TSB-13	H8	V08050S	C5	V-20000	C7	V-216	C11	V-317	C13
TSB-14	H8	V-101	C11	V20000S	C5	V-217	C11	V-318	C13
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TSB-16	H8	V-103	C11	V20010	C3	V-219	C11	V-32000	C7
TSB-17	H8	V-104	C11	V20010S	C5	V-22	A96, A98	V32000S	C6
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TSB-2	H7	V-107	C11	V20025	C3	V-224	C11	V32030	C4
TSB-20	H8	V-108	C11	V20025S	C5	V-225	C11	V32030S	C6
TSB-21	H8	V-109	C11	V20030	C3	V-226	C11	V32040	C4
TSB-22	H8	V-110	C11	V20030S	C5	V-23	A98	V32040L	C8
TSB-23	H8	V11000	C3	V20035	C3	V-231	C12	V32040S	C6
TSB-24	H8	V-11000	C7	V20035S	C5	V-232	C12	V32050	C4
TSB-25	H8	V11000S	C5	V20040	C3	V-233	C12	V32050L	C8
TSB-26	H8	V11010	C3	V20040L	C8	V-234	C12	V32050S	C6
TSB-40	H8	V11010S	C5	V20040S	C5	V-235	C12	V32060	C4
TSB-41	H8	V-11013	C7	V20045	C3	V-241	C12	V32060L	C8
TSB-42	H8	V11015	C3	V20045S	C5	V-242	C12	V32060S	C6
TSB-43	H8	V11015S	C5	V20050	C3	V-242A	C12	V32070	C4
TSD-M	H7	V11020	C3	V20050L	C8	V-243	C12	V32070L	C8
TSD-P3	H2	V11020S	C5	V20050S	C5	V-244	C12	V32070S	C6
TSD-P5	H2	V11025	C3	V20055	C3	V-245	C12	V32080	C4
TSD-P6	H2	V11025S	C5	V20055S	C5	V-246	C12	V32080L	C8
TSD-P6L	H2	V11030	C3	V20060	C3	V-247	C12	V32080S	C6
TSD-P8	H2	V11030S	C5	V20060L	C8	V-248	C12	V32090	C4
TSD-S3	H2	V11035	C3	V20060S	C5	V-249	C12	V32090L	C8
TSD-S4	H2	V11035S	C5	V20065	C3	V-250	C12	V32090S	C6
TSD-S5	H2	V11040	C3	V20065S	C5	V25000	C4	V32100	C4
TSD-S6	H2	V11040S	C5	V20070	C3	V-25000	C7	V32100L	C8
TSD-S6L	H2	V11045	C3	V20070L	C8	V25000S	C6	V32100S	C6
TSD-S8	H2	V11045S	C5	V20070S	C5	V-25008	C7	V32110	C4
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TSP-P5	H2	V11050S	C5	V20075S	C5	V-25010	C7	V32110S	C6
TSP-P6	H2	V11055	C3	V20080	C3	V25020	C4	V32120	C4
TSP-P8	H2	V11055S	C5	V20080L	C8	V25020S	C6	V32120L	C8
TSP-T10	H2	V11060	C3	V20080S	C5	V25030	C4	V32120S	C6
TSP-T15	H2	V11060S	C5	V20085	C3	V25030S	C6	V32130	C4
TSP-T20	H2	V11065	C3	V20085S	C5	V25040	C4	V32130L	C8
TSP-T25	H2	V11065S	C5	V20090	C3	V25040L	C8	V32130S	C6
TSP-T27	H2	V11070	C3	V20090L	C8	V25040S	C6	V32140	C4
TSP-T30	H2	V11070S	C5	V20090S	C5	V25050	C4	V32140L	C8
TSP-T40	H2	V16000	C3	V20095	C3	V25050L	C8	V32140S	C6
TSP-T9	H2	V-16000	C7	V20095S	C5	V25050S	C6	V32150	C4
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U2	A83	V16025	C3	V20110S	C5	V25080S	C6	V32180	C4
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VHB-2045	A78	VHM-05	F42	VIT-1200-5	A11	VLC-122	E6	VLED-SL	A92
VHB-2045	C133	VHM-06	F42	VIT-300-15	A11	VLC-126	E6	VLED-W13	A92
VHB-3040	C133	VHM-07	F42	VIT-450-1	A11	VLC-127	E6	VLED-W18	A92
VHB-3045	A78	VHM-08	F42	VIT-450-5	A11	VLC-128	E6	VLED-W36	A92
VHC-05	E16	VHM-09	F42	VIT-600-1	A11	VLC-129	E6	VLI-200A	B80
VHC-05-5	E16	VHM-10	F42	VIT-600-5	A11	VLC-130	E6	VLI-300A	B80
VHC-05-6	E16	VHM-11	F42	VIT-700-1	A11	VLC-172	E8	VLM-300A	C128
VHC-05-7	E16	VHM-12	F42	VIT-700-5	A11	VLC-173	E8	VLM-600A	C128
VHC-05-8	E16	VHM-25H	G10	VIT-800-5	A11	VLC-174	E8	VLP-100	H15
VHC-06	E16	VHM-25PE	G10	VJ-106	C47	VLC-175	E8	VLP-30	H15
VHC-06-5	E16	VHM-30H	G10	VJ-109	C47	VLC-212	E1	VLP-40	H15
VHC-06-6	E16	VHM-30PE	G10	VJ-111	C47	VLC-213	E1	VLP-50	H15
VHC-06-7	E16	VHM-35H	G10	VJ-112	C47	VLC-213B	E1	VLP-60	H15
VHC-06-8	E16	VHM-35PE	G10	VJ-120	C43	VLC-214	E1	VLP-80	H15
VHC-08	E16	VHM-38	G10	VJ-121	C43	VLC-214B	E1	VLS-1320	G8
VHC-08-5	E16	VHM-40H	G10	VJ-122	C43	VLC-215	E1	VLS-1325	G8
VHC-08-6	E16	VHM-40PE	G10	VJ-123	C43	VLC-312	E3	VLS-1330	G8
VHC-08-7	E16	VHM-45H	G10	VJ-124	C43	VLC-313	E3	VLS-1335	G8
VHC-08-8	E16	VHM-45PE	G10	VJ-126	C43	VLC-314	E3	VLS-1340	G8
VHC-10	E16	VHM-46	G10	VJ-126	E8	VLC-422	E5	VLS-1620	G8
VHC-10-10	E16	VHM-50	G10	VJ-126-1	C43,E8	VLC-423	E5	VLS-1625	G8
VHC-10-5	E16	VHM-50H	G10	VJ-126-3	C43,E8	VLC-424	E5	VLS-1630	G8
VHC-10-6	E16	VHM-50PE	G10	VJ-130	C43,E8	VLC-433	E5	VLS-1635	G8
VHC-10-7	E16	VHM-55H	G10	VJ-130-2	C43,E8	VLC-434	E5	VLS-1640	G8
VHC-10-8	E16	VHM-55PE	G10	VJ-130-4	C43,E8	VLC-435	E5	VLS-1820	G8
VHC-10-9	E16	VHM-56	G10	VJ-131	C43,E8	VLC-436	E5	VLS-1825	G8
VHC-12	E16	VHM-60	G10	VJ-131-2	E8	VLC-4410	E5	VLS-1830	G8
VHC-12-1	E16	VHM-60H	G10	VJ-131-4	C43,E8	VLC-443	E5	VLS-1835	G8
VHC-12-10	E16	VHM-60PE	G10	VJ-132	C43,E8	VLC-444	E5	VLS-1840	G8
VHC-12-10A	E16	VHO-5	A18	VJ-132-1	C43,E8	VLC-445	E5	VLT-300	C132
VHC-12-6	E16	VHO-6	A18	VJ-132-4	C43,E8	VLC-446	E5	VLT-H1	C134
VHC-12-6A	E16	VHO-8	A18	VJ-132-5	C43,E8	VLC-448	E5	VLT-P1	C134
VHC-12-7	E16	VHPT-H01	C135	VJ-132-6	C43,E8	VLC-4510	E5	VLT-S	C134
VHC-12-7A	E16	VHR-10	D5	VJ-132-7	C43,E8	VLC-4512	E5	VLT-W2	C134
VHC-12-8	E16	VHR-100MF	D5	VJ-132-8	C43,E8	VLC-454	E5	VLU-407BF	B40
VHC-12-8A	E16	VHR-101MF	D5	VJ-133	C43,E8	VLC-455	E5	VLU-510B	B40
VHC-12-9	E16	VHR-110F	D5	VJ-133-1	C43,E8	VLC-456	E5	VLU-510BF	B40
VHC-12-9A	E16	VHR-112F	D5	VJ-133-2	C43,E8	VLC-458	E5	VLU-612B	B40
VHC-15	E16	VHR-116S	D5	VJ-133-3	C43,E8	VLC-4610	E5	VLU-612BF	B40
VHC-15-1	E16	VHR-117S	D5	VJ-133-4	C43,E8	VLC-4612	E5	VLU-614BF	B40
VHC-15-10	E16	VHR-20	D5	VJ-133-5	C43,E8	VLC-466	E5	VLU-618B	B40
VHC-15-7	E16	VHRE-21010	F7	VJ-134	C43,E8	VLC-468	E5	VLU-618BF	B40
VHC-15-8	E16	VHRE-21110	F7	VJ-134-2	C43,E8	VLC-512	E4	VMB-00	B60
VHC-15-9	E16	VHRE-21212	F7	VJ-135	C43,E8	VLC-513	E4	VMB-01	B57
VHC-24	E16	VHRE-21312	F7	VJ-137	C43,E8	VLC-513B	E4	VMB-02	B57
VHD-1	A75	VHRE-22015	F7	VJ-138-1	C43,E8	VLC-514	E4	VMB-03	B57
VHD-12	B84	VHRE-22020	F7	VJ-138-2	C43,E8	VLC-514B	E4	VMB-06	B59
VHD-24	B84	VHRE-22085	F7	VJ-139	C43	VLC-515	E4	VMB-10	B60
VHG-06	B84	VHRE-22215	F7	VJ-139-1	C43	VLC-515B	E4	VMB-106	B58
VHG-08	B84	VHRE-31412	F7	VJ-140	C43	VLC-612	E8	VMB-106H	B58
VHG-12	B84	VHRE-32515	F7	VJ-140-1	C43	VLC-613	E8	VMB-11	B60
VHG-18	B84	VHRE-32520	F7	VJ-140-3	C43	VLC-614	E8	VMB-12	B60
VHG-20	B84	VHRE-32595	F7	VJ-140-4	C43	VLC-615	E8	VMB-160	B58
VHG-24	B84	VHT-260	B86	VJ-141	C43	VLC-MT3A	E2	VMB-180	B58
VHK-1/2	B67	VHT-4	A16	VJ-142	C43	VLC-MT3B	E2	VMB-181	B57
VHK-1/2A	B67	VHT-4U	A17	VJ-143	C43	VLC-MT4A	E2	VMB-185	B57
VHK-1/4	B67	VHT-6	A16	VJ-400	A21	VLC-MT4B	E2	VMB-70	B58
VHK-1/4A	B67	VHT-6U	A17	VJ-500	A21	VLC-MT5A	E2	VMB-B	B57
VHK-3/4	B67	VHT-H10	F46	VJ-600	A21	VLC-MT5B	E2	VMC-100HV	A43
VHK-3/8	B67	VHT-H12	F46	VK-4	A20	VLC-MT6A	E2	VMC-100M	A44
VHK-3/8A	B67	VHT-H14	F46	VK-5	A20	VLE-10A	G8	VMC-130HV	A43
VHL-300L	A89	VHT-H16	F46	VK-6	A20	VLE-12A	G8	VMC-130M	A44
VHL W36DB/PL	A92	VHT-H20	F46	VK-8	A20	VLE-14A	G8	VMC-160HV	A43
VHL-20F	A92	VHT-H3	F46	VKB-10A	G6	VLE-16A	G8	VMC-160M	A44
VHL-20FT	A92	VHT-H4	F47	VKB-12AA	G6	VLE-18A	G8	VMC-200HV	A43
VHL-300 1/2MR	A91	VHT-H5	F46	VKB-12BA	G6	VLE-20A	G8	VMC-200M	A44
VHL-300LR	A91	VHT-H6	F46	VKB-6AA	G6	VLE-22A	G8	VMC-4	A29
VHL-300M	A89	VHT-H8	F46	VKB-8A	G6	VLE-24A	G8	VMC-4L	A51
VHL-300MR	A91	VI-102	C46	VKB-8BA	G6	VLE-6A	G8	VMC-4P	A50
VHL-300S	A89	VI-103	C46	VKB-8K	G7	VLE-8A	G8	VMC-6	A29
VHL-300SR	A91	VI-104	C46	VKB-8KL	G7	VLED-W13	A93	VMC-6P	A50
VHL-30LEB	A94	VI-105	C46	VKC-10	E11	VLED-W18	A93	VMC-6PD	A50
VHL-30MEB	A94	VI-106	C46	VKC-12B	E11	VLED-W36	A93	VMC-6PL	A50
VHL-30TEB	A94	VI-107	C46	VKC-14	E11	VLE-W226	G8	VMC-7P	A50
VHL-37FT	A100	VI-108	C46	VKC-16	E11	VLE-W2210	G8	VMC-8P	A50
VHL-3X	A94	VI-109	C46	VKC-20	E11	VLE-W2511	G8	VMC-8PL	A50
VHL-400L	A95	VI-110	C46	VKC-25	E11	VLE-W2512	G8	VMD-R18	B63
VHL-400M	A95	VI-111	C46	VKC-32	E11	VLE-W3212	G8	VMD-R30	B63
VHL-400S	A95	VI-131	C46	VKC-4	E11	VLE-W3215	G8	VMD-R50	B63
VHL-50FT	A99	VI-132	C46	VKC-40	E11	VLE-W3515	G8	VMD-S14	B63
VHL-500L	A96	VI-133	C46	VKC-5	E11	VLED-102	A92	VMD-S20	B63
VHL-500M	A96	VI-134	C46	VKC-50	E11	VLED-1080	A93	VMF-102A	B61
VHL-500S	A96	VI-135	C46	VKC-6	E11	VLED-20L	A100	VMF-102B	B61
VHL-600FT	A97	VI-136	C46	VKC-8	E11	VLED-2160	A93	VMF-112	B61
VHL-700FT	A97	VI-137	C46	VL-110	C47	VLED-30L	A99	VMF-113	B61
VHL-W15DB	A93	VI-138	C46	VLC-112	E6	VLED-30M	A99	VMH-25	B84

VMH-54	B62	VMV-20	B9	VPE-3090	B48	VPW-118	F47	VQCV-160H-R	A40
VMH-62	B62	VMV-25	B9	VPE-40100	B48	VPW-1332	F47	VQHJ-5	A49
VMH-63	B62	VMV-30	B9	VPE-4040	B48	VPW-310	F47	VQHJ-6	A49
VMH-64	B62	VMV-35	B9	VPE-4060	B48	VPW-412	F47	VQR-400	B79
VMH-65	B62	VMV-40	B9	VPE-4080	B48	VPW-512	F47	VQR-500	B79
VMH-71	B65	VMV-50	B9	VPE-50100	B48	VPW-520	F47	VQS-3	A52
VMH-D13	B63	VMV-60	B9	VPE-5060	B48	VPW-927	F47	VQS-4	A52
VMH-D30	B63	VNBK-10	E13	VPE-5080	B48	VQ-100	C44,E8	VQS-40	A55
VMH-T66	B63	VNBK-12	E13	VPE-60100	B48	VQ-100-1	C44,E8	VQS-5	A52
VMH-T80	B63	VNBK-6	E13	VPF-500 X	A80	VQ-100-2	C44,E8	VQT-312	C116
VMJ-10	E13	VNBK-8	E13	VPF-500 Y	A80	VQ-100-3	C44,E8	VQT-320	C116
VMJ-12	E13	VNC-100FV	A47	VPF-500 Z	A80	VQ-101	C44,E8	VQT-412	C116
VMJ-150	E14	VNC-100H	A46	VPF-99 X	A80	VQ-102	C44,E8	VQT-420	C116
VMJ-200	E14	VNC-125FV	A47	VPF-TF	A80	VQ-103	C44,E8	VQT-512	C116
VMJ-250	E14	VNC-125H	A46	V-PG	B7	VQ-104	C44,E8	VQT-520	C116
VMJ-300	E14	VNC-160FV	A47	VP-G-0B	B82	VQ-105	C44,E8	VQT-712	C116
VMJ-6	E13	VNC-160H	A46	VP-G-10A	B82	VQ-106	C44,E8	VQT-720	C116
VMJ-8	E13	VNC-160LH	A46	VP-G-10B	B82	VQ-107	C44,E8	VQT-812	C116
VML-100	B49	VNC-4AD	A48	VP-G-10M	B87	VQ-108	C44,E8	VQT-820	C116
VML-1000	B49	VNC-4PJ	A48	VP-G-12M	B87	VQ-109	C44,E8	VQW-100	A52
VML-140	B51	VNC-5AD	A48	VP-G-14M	B87	VQ-110	C44	VQW-130	A52
VML-150	B51	VNC-5PJ	A48	VP-G-16M	B87	VQ-111-1	C44	VQW-80	A52
VML-2000	B49	VNC-6AD	A48	VP-G-18M	B87	VQ-111-2	C44	VR-10	A74
VML-300	B49	VNC-6PJ	A48	VP-G-1A	B82	VQ-111-3	C44	VR-100	A74
VML-600	B49	VNCM-150	D5	VP-G-1B	B82	VQ-112	C44	VR-1010	A74
VML-80	B51	VNCM-150LR	D2	VP-G-20M	B87	VQ-112-1	C44	VR-12	A74
VML-A	B59	VNCM-220/250	D5	VP-G-22M	B87	VQ-112-2	C44	VR-120	A74
VML-B	B59	VNCM-220LR	D2	VP-G-24M	B87	VQ-112-3	C44	VR-1212	A74
VML-C	B59	VNCM-250LR	D2	VP-G-27M	B87	VQ-113	C44	VR-22	A74
VML-M	B60	VNCM-320	D5	VP-G-2A	B82	VQ-114	C44	VR301-10.0	F40
VMP-4	A26	VNCM-320LR	D2	VP-G-2B	B82	VQ-115	C44	VR301-11.0	F40
VMP-44D	A28	VNCM-400	D5	VP-G-30M	B87	VQ-115-1	C44	VR301-12.0	F40
VMP-4L	A28	VNCM-400LR	D2	VP-G-33M	B87	VQ-115-2	C44	VR301-13.0	F40
VMP-5	A26	VNCX-10	D4	VP-G-36M	B87	VQ-116	C44	VR301-13.0	F40
VMP-55D	A28	VNIT-208	E23	VP-G-3A	B82	VQ-117	C44	VR301-14.0	F40
VMP-5L	A28	VNIT-208	E23	VP-G-3B	B82	VQ-118	C44	VR301-15.0	F40
VMP-6	A26	VNIT-210	E23	VP-G-3M	B87	VQ-119	C44	VR301-16.0	F40
VMP-66D	A28	VNIT-210	E23	VP-G-4A	B82	VQ-119-1	C44	VR301-17.0	F40
VMP-6B	A26	VNIT-212	E23	VP-G-4B	B82	VQ-120	C44	VR301-18.0	F40
VMP-6BH	A27	VNIT-212	E23	VP-G-4M	B87	VQ-121	C44	VR301-19.0	F40
VMP-6C	A26	VNIT-215	E23	VP-G-5A	B82	VQ-122	C44	VR301-2.0	F40
VMP-6CH	A7	VNIT-215	E23	VP-G-5B	B82	VQ-123	C44	VR301-2.5	F40
VMP-6L	A28	VNP-100	H15	VP-G-5M	B87	VQC-100	A34,D7,D8	VR301-20.0	F40
VMP-77D	A28	VNP-30	H15	VP-G-6A	B82	VQC-100FJ	A41,D8	VR301-3.0	F40
VMP-7A	A26	VNP-40	H15	VP-G-6B	B82	VQC-100FJL	A42,D8	VR301-3.5	F40
VMP-7AH	A27	VNP-50	H15	VP-G-6M	B87	VQC-100FPF	A41	VR301-4.0	F40
VMP-7B	A26	VNP-60	H15	VP-G-7A	B82	VQC-100FPM	A41	VR301-4.5	F40
VMP-7BH	A27	VNP-80	H15	VP-G-7B	B82	VQC-100H	A36	VR301-5.0	F40
VMP-7C	A26	VOM-0025	B83	VP-G-8A	B82	VQC-100HC	A38	VR301-5.5	F40
VMP-7CH	A27	VOM-100125	B83	VP-G-8B	B82	VQC-100LC	A37	VR301-6.0	F40
VMP-7L	A28	VOM-2550	B83	VP-G-8M	B87	VQC-100MJ	A41,D8	VR301-7.0	F40
VMP-8A	A26	VOM-5075	B83	VP-G-9A	B82	VQC-100MJL	A42,D8	VR301-8.0	F40
VMP-8AH	A27	VOM-75100	B73	VP-G-9B	B82	VQC-125	A34,D7,D8	VR301-9.0	F40
VMP-8B	A26	VOS-800	B74	V-PGA	B8	VQC-125FJ	A41,D8	VR303-10.0	F41
VMP-8BH	A27	VOS-810	B74	V-PGM	B8	VQC-125FJL	A42,D8	VR303-11.0	F41
VMP-8C	A26	VOS-820	B74	V-PGS	B7	VQC-125FPF	A41	VR303-12.0	F41
VMP-8CH	A27	VOS-830	B74	V-PS	B2	VQC-125FPM	A41	VR303-13.0	F41
VMP-8D	A26	VOS-850	B74	VPS-10A	E10	VQC-125H	A34	VR303-14.0	F41
VMP-8DH	A27	VP-018	A66	VPS-10AK	E10	VQC-125HC	A38	VR303-15.0	F41
VMS-1/4	B61	VP-033	A67	VPS-12A	E10	VQC-125LC	A37	VR303-16.0	F41
VMS-2	C128	VP-050	A67	VPS-12AK	E10	VQC-125MJ	A41,D8	VR303-17.0	F41
VMS-3	C128	VP-064	A67	VPS-20	C99	VQC-125MJL	A42,D8	VR303-18.0	F41
VMS-3/8	B61	VP-100	A65	VPS-201	C100	VQC-160	D7,D8	VR303-19.0	F41
VMS-5	A78	VP-118A	A65	VPS-201C	C100	VQC-1602LC	A37	VR303-20.0	F41
VMS-7B	B46	VP-128A	A65	VPS-20B	C99	VQC-160FJ	A41,D8	VR303-22.0	F41
VMS-9B	B46	VP-136	A66	VPS-20-3/4	C99	VQC-160FJL	A42,D8	VR303-24.0	F41
VMT-M10	F46	VP-146	A68	VPS-301	C101	VQC-160FPF	A41	VR303-25.0	F41
VMT-M12	F46	VP-163	A66	VPS-301C	C101	VQC-160H	A36	VR303-26.0	F41
VMT-M14	F46	VP-168	A68	VPS-301S	C101	VQC-160HC	A38	VR303-28.0	F41
VMT-M16	F46	VP-180	A71	VPS-302	C101	VQC-160L	A34,D7,D8	VR303-30.0	F41
VMT-M20	F46	VP-200	A68	VPS-302C	C101	VQC-160LC	A37	VR303-32.0	F41
VMT-M3	F46	VP-250	A71	VPS-302S	C101	VQC-160L-FJ	A41,D8	VR303-35.0	F41
VMT-M4	F46	VP-250S	A71	VPS-303	C101	VQC-160L-FJL	A42,D8	VR303-36.0	F41
VMT-M5	F46	VP-380	A71	VPS-32	C99	VQC-160LH	A36	VR303-38.0	F41
VMT-M6	F46	VP-380S	A71	VPS-32B	C99	VQC-160LHC	A38	VR303-40.0	F41
VMT-M8	F46	VP-50	B34	VPS-401	C100	VQC-160L-MJ	A41,D8	VR-33	A74
VMT-S10	F46	V-PB	B1	VPS-401C	C100	VQC-160L-MJL	A42,D8	VR-44	A74
VMT-S12	F46	V-PB-BS	B5	VPS-6A	E10	VQC-160MJ	A41,D8	VR-45	A74
VMT-S14	F46	VPC-MT1	E1	VPS-6AK	E10	VQC-160MJL	A42,D8	VR-55	A74
VMT-S16	F46	VPC-MT2	E1	V-PS-80J	B3	VQC-2002LC	A37	VR-6	A74
VMTS-2	C47	VPC-MT3	E1	V-PS-80JS	B4	VQC-200FPF	A41	VR-60	A74
VMT-S20	F46	VPC-MT4	E1	V-PS-80M	B6	VQC-200FPM	A41	VR-66	A74
VMTS-3	C47	VPC-MT5	E1	VPS-8A	E10	VQC-200L	A34,D7,D8	VR-8	A74
VMT-S3	F46	VPE-25100	B48	VPS-8AK	E10	VQC-200L-FJ	A41,D8	VR-80	A74
VMTS-4	C47	VPE-2540	B48	V-PS-ER32	B3	VQC-200L-FJL	A42,D8	VR-88	A74
VMT-S4	F46	VPE-2560	B48	V-PS-ER32S	B4	VQC-200LH	A36	VRA-100	B21
VMTS-5	C47	VPE-2580	B48	V-PS-ER40	B3	VQC-200LHC	A38	VRA-20	B21
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HOW TO CHOOSE VISE FOR YOUR MACHINE

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2HP	VK-5, VK-6, VQS-5, VMC-4, VA-4, VA-5 VW-4, VMP-5, VNC-100H, VQC-100, VQC-100H
3HP	VK-6, VMP-5, VHT-4, VA-5, VA-6, VJ-400, VJ-500, VH-4, VH-5, VWT-4B, VNC-100H, VNC-125H, VQC-100, VQC-125, VQC-100H, VQC-125H
5HP	VK-8, VA-6, VA-8, VJ-500, VJ-600, VMC-5P VMC-6P, VW-5, VH-5, VH-6, VHO-6, VHT-6, VWT-6B, VD-675, VQC-125, VQC-160, VNC-125H, VNC-160H, VMP-7A
7HP	VH-8, VH-8L, VHO-8, VMC-7P, VMC-8P, VMC-8PL, VNC-160LH, VMP-8A, VMP-12, VQC-160LH, VQC-160, VQC-160L, VQC-200L, VQC-200LH
10HP	VQC-160, VQC-160L, VQC-200L, VQC-160LH, VQC-200LH, VMC-8P, VMC-8PL, VSM-20, VH-12, VQCV-160H

