DEREK



TOOLING SYSTEM

BORING TOOLS
鏜刀系列

TOOL HOLDERS
加工中心刀柄

MILLING CUTTERS
捨弃式切削刀具

TURNING TOOLS
車刀系列

CARBIDE END MILLS
整合鎢鋼硬質合金立銑刀

CARBIDE INSERTS
刀片

ACCESSORIES
周邊附件

TECHNICAL DATA
技術資料

同德协力
攻无不克
Conquering all difficulties

ABOUT DEREK
德克簡介

寧波歐樂機械有限公司及德克刀具有限公司爲德克工業集團（瑞典）有限公司旗下在中國區制造加工企業及營銷中心，并在中國寧波設有占地25畝的一期工廠加工區及占地30畝的在建二期工廠加工區，二期工廠總投資5000萬元，并于2011年開工建設，將于2014年投入使用。德克刀具秉持“制造一流產品、提供一流服務"的企業理念，以爲客户提供刀具整體解决方案，助其更好的服務市場以獲得全球性的成功爲企業使命。

Ningbo Oule Machine Co., Ltd. established in 1993, is the research and manufacturing center Derek Tools and specialized in CNC milling cutters, turning tools, Tool Holders, andboring tools.Our mission is to provide high quality products and A-class service, including providing our customers with tools solution, helping them get smooth production.


工廠1
Factory I


工廠2
Factory II


檢測部
Testing Dept.

公司擁有大量的專業人才和先進的高科技生產檢測設備，在先進管理理念和國際質量體系的引導下，通過公司全體員工的智慧和不斷辛勤努力開發的德克刀具，以其新穎的結構、精湛的工藝、優越的性能達到行業的領先水平。德克刀具多年來不斷加大自主研發力度，與國內外多家科研機構、大專院校展開緊密合作。自2007年以來孔加工微調刀具精密度逐年提升，2011年更突破創新，以世界最新穎設計結構獲得0.002調節精度的微調鏜孔器專利證書。

公司經過20多年的發展，在產品質量、社會責任、企業文化等方面贏得了消費者和社會的廣泛認同。

We works with the most experienced engineers in high precise tools area, and we have the testing equipments to make sure our tools are is qualified. During the pastyears,we focused on the further development, working with high-tech research institutions all over the world. With our efforts, we win an award of patent of 0.002mm precision adjustmet.
Meanwhile, we improve the whole factory management level, today, Derek Tools winsgood reputation in the tools industries.





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FBH Micro-boring Head
FBH極細微調精鎚刀



A02

FBH Micro Back-boring Head
FBH極細微調精鎚反鎚刀



A02

FBH Micro-boring Body
FBH極細微調精鎚刀–精鎚刀本體



A02

FBH Micro-boring Bar
FBH精鎚刀杆



A03

Insert Holder For FBH Boring Head/
Back-boring Head
FBH精鎚刀片座/反鎚刀片座



A03

DCK2-FBH25P Micro-finishing Boring Tools
DCK2-FBH25P極細微調精鎚孔系統



A04

DCK3-FBH32P Micro-finishing Boring Tools
DCK3-FBH32P極細微調精鎚孔系統



A04

DCK4-FBH40P Micro-finishing Boring Tools
DCK4-FBH40P極細微調精鎚孔系統



A05

DCK5-FBH50P Micro-finishing Boring Tools
DCK5-FBH50P極細微調精鎚孔系統



A06

DCK6-FBH63P Micro-finishing Boring Tools
DCK6-FBH63P極細微調精鎚孔系統



A07

DCK6-FBH80 Micro-finishing Boring Tools
DCK6-FBH80極細微調精鎚孔系統



A08

FBH Large Diameter Boring Head For Finishing
FBH大徑極細微調精鎚頭



A09

DSJ Boring Body,DSP Balance Weight
DSJ精鎚刀本體+DSP平衡座



A10

CBH Finish Boring Head
CBH微調精密鎚頭



A11

CBH Large Diameter Boring Tool For Finishing
CBH大徑微調精密鎚頭



A12

CBH-M Modular Adapter For Pin Turning
CBH-M微調精密外徑鎚頭



A13

CBH-L Modular Adapter For Pin Turning
CBH-L微調精密外徑鎚頭



A14

DCK-DYD Cartridge Boring Head
DCK-DYD微調精密鎚頭



A15

Insert Holder For DCK-DYD Cartridge Boring Head
DCK-DYD微調精密鎚頭微調器



A15

DBJ10/16 Micro-boring Head
DBJ10/16微調精密鎚頭



A16

DBJ10/16 Micro-boring Bar
DBJ10/16微調鎚頭刀杆



A16

DBJ16 Micro-boring Tool Kit
DBJ16微調精鎚套裝組合



A16

NBH2084 Micro-boring Head
NBH2084微調精密鎚頭



A17

DBJ20 Micro-Boring Bar
DBJ20微調精密鎚頭刀杆



A17

NBH2084 Micro-Boring Tool Kit
NBH2084微調精鎚套裝組合



A17

DBJ Collet For Solid Carbide Boring Bar
DBJ鎢鋼刀杆專用筒夾



A18

DT Solid Carbide Boring Holder
DT抗振鎢鋼刀杆



A18

DEB Insert Holder
DEB拾弃式鎚頭



A18

SCB Solid Carbide Boring Holder
SCB超硬整體碳化鎢鋼鎚刀杆



A19

SSB-C32 Boring Holder
SSB-C32直柄鎚刀杆



A19

ABH Twin-bit Rough Boring Body
ABH雙刃粗鎚刀本體



A20

Inserts Holder For ABH Rough Boring Head/
Back-boring Head
ABH粗鎚孔刀座/反鎚刀座



A20

ABH Rough Boring Head
ABH粗鏜頭系統組合



A21

ABH Rough Back-boring Head
ABH粗鏜頭系統反鏜組合



A21

DBH Twin Cutter Rough Boring Head
DBH分體式粗鏜頭



A22

Inserts Holder For DBH Rough Boring Head
DBH粗鏜孔刀座



A22

DBH Large Diameter Boring Head For Roughing
DBH大徑雙刃粗鏜頭



A23

BSA 45° Boring Holder With Square Boring Bit
BSA45度粗鏜孔刀柄



A24

BSB 90° Boring Holder With Square Boring Bit
BSB90度粗鏜孔刀柄



A25

TBS-T90° Square Boring Bit
TBS-T90度捨弃式鏜孔刀杆



A26

TBS-T45° Square Boring Bit
TBS-T45度捨弃式鏜孔刀杆



A26

CBS-C90° Square Boring Bit
CBS-T90度捨弃式鏜孔刀杆



A27

CBS-C45° Square Boring Bit
CBS-T45度捨弃式鏜孔刀杆



A27

Inserts Holder For SFC Rough Boring Head
SFC粗鏜刀座



A28

Inserts Holder For SLC Rough Boring Head
SLC粗鏜刀座



A28

Inserts Holder For SSC Rough Boring Head
SSC粗鏜刀座



A28

SB Twin-Bit Rough Boring Head With Straight Shank
SB雙刃粗鏜刀杆



A29

MC Face Boring Head
MC固定式雙刃粗鏜頭



A30

KSD-W Indexable Insert Drill (3xD)
KSD-W捨弃式快速鑽頭（3倍長）



A31-A32

KSD-W Indexable Insert Drill (4xD)
KSD-W捨弃式快速鑽頭（4倍長）



A33-A34

KSD-S Indexable Insert Drill (3xD)
KSD-S捨弃式快速鑽頭（3倍長）



A35-A36

KSD-S Indexable Insert Drill (4xD)
KSD-S捨弃式快速鑽頭（4倍長）



A37-A38

DSCK Carbide Boring Arbor
DSCK抗振鎢鋼鏜頭刀柄



A39

HSK-DCK Boring Adapter
HSK-DCK鏜頭刀柄



A40

BT-DCK Boring Adapter
BT-DCK鏜頭刀柄



A41-A42

SK-DCK Boring Adapter
SK-DCK鏜頭刀柄



A43

BST Boring Adapter
BST鏜頭刀柄



A44

NBH2084 Boring Adapter
NBH2084鏜頭刀柄



A44

DCK Extension Adaptor
DCK等徑延長接柄



A45

DCK Reduction Adaptor
DCK异徑轉換接柄（大接小）



A45

CR Chamfering Cutter
CR倒角刀



A46

DCK Chamfering Head
DCK倒角刀頭



A46

Tailor-made Tools
非標刀具



A47

Tool Presetter
刀具設定儀



A48

HSK-A-SF Shrink Fit Holder
HSK-A-SF燒結式熱裝刀柄（一體式）



B05

HSK-A-DSF Shrink Fit Holder
HSK-A-DSF燒結式熱裝刀柄（分體式）



B06

HSK-A-GSK High-speed Collet Chuck
HSK-A-GSK高速精密筒夾本體



B06

HSK-A-ER Spring Collet Chuck
HSK-A-ER彈性筒夾本體



B07-B08

HSK-A-DC Precision Slim Collet Chuck
HSK-A-DC小徑精密夾頭本體



B08

HSK-A-HPC High Speed Milling Chuck
HSK-A-HPC高速精密强力銑刀夾頭



B09

HSK-A-HPM High Speed Milling Chuck
HSK-A-HPM高速精密强力銑刀夾頭



B09

HSK-A-SLN Side-lock End Mill Holder
HSK-A-SLN側固式立銑刀柄



B10

HSK-A-SLNB Side-lock Mill Holder
HSK-A-SLNB側固式立銑刀柄



B11

HSK-A-MTA Morse Taper Adapter
HSK-A-MTA莫式錐套刀柄（鑽頭套筒）



B11

HSK-A-SPU Drill Chuck Holder
HSK-A-SPU直結式鑽夾頭刀柄



B12

HSK-A-FMB Face Mill Holder
HSK-A-FMB平面銑刀柄



B12

BT-SF Shrink Fit Holder
BT-SF燒結式熱裝刀柄（一體式）



B13

BT-DSF Shrink Fit Holder
BT-DSF燒結式熱裝刀柄（分體式）



B13

BT-DC Precision Slim Collet Chuck
BT-DC小徑精密夾頭本體



B14

BT-DSK High Precision Chuck
BT-DSK高速精密筒夾本體



B15

BT-GSK High Precision Chuck
BT-GSK高速精密筒夾本體



B16

BT-ER Spring Collet Chuck
BT-ER彈性筒夾本體



B17-B18

BT-TER Tapping Chuck
BT-TER伸縮攻牙器刀柄



B19

BT-TPM Tapping Chuck With High Rigidity
BT-TPM扭力伸縮攻牙刀柄



B19

BT-HPC High-speed Milling Chuck
BT-HPC高速精密强力銑刀夾頭



B20

BT-HPM High Speed Milling Chuck
BT-HPM高速精密强力銑刀夾頭



B21

BT-MLC Power Milling Chuck For Heavy Duty
BT-MLC强力筒夾本體



B22

BT-MLC Power Chuck Kit
BT-MLC强力筒夾本體套裝組



B22

BT-SLN Side-lock End Mill Holder
BT-SLN側固式銑刀柄



B23

BT-SLN-JIS Side-lock Mill Holder With Extra Length And Angle
BT-SLN-JIS側固式銑刀柄



B24

BT-MTA Morse Taper Holder
BT-MTA莫氏錐套刀柄（鑽頭套筒）



B25

BT-MTB Morse Taper Holder
BT-MTB莫氏錐套刀柄（螺絲鎖緊）



B26

BT-SPU Drill Chuck Holder
BT-SPU直結式鑽夾頭刀柄



B26

BT-FMA Face Mill Holder
BT-FMA平面銑刀柄（直柄式）



B27

BT-FMB Face Mill Holder
BT-FMB平面銑刀柄（直柄式）



B28

BT-FMA-BG Face Mill Holder With Extra Length And Angle
BT-FMA-BG平面銑刀柄（加長斜度柄）



B29

BT-FMB-BG Face Mill Holder With Extra Length And Angle
BT-FMB-BG平面銑刀柄（加長斜度柄）



B29

BT-SLO Oil-feed Holder
BT-SLO油路刀柄



B30

CSO Oil-feed Holders Reducing Sleeve
CSO油路刀套



B30

SLO Oil-feed Holders Positioning Block
SLO油路止動塊



B30

SK-SF Shrink Fit Holder
SK-SF燒結式熱裝刀柄（一體式）



B31

SK-DSF Shrink Fit Holder
SK-DSF燒結式熱裝刀柄（分體式）



B31

SK-DC Precision Slim Collet Chuck
SK-DC小徑精密夾頭本體



B32

SK-DSK High Speed Milling Holder
SK-DSK高速精密筒夾本體



B33

SK-GSK High Speed Milling Holder
SK-GSK高速精密筒夾本體



B34

SK-ER Spring Collet Chuck
SK-ER彈性筒夾本體



B35-B36

SK-TER Tapping Chuck
SK-TER伸縮攻牙器刀柄



B37

SK-TPM Tapping Chuck With High Rigidity
SK-TPM扭力伸縮攻牙刀柄



B37

SK-HPC High Speed Milling Chuck
SK-HPC高速精密强力銑刀夾頭



B38

SK-HPM High Speed Milling Chuck
SK-HPM高速精密强力銑刀夾頭



B38

SK-MLC Power Milling Chuck
SK-MLC强力筒夾本體



B39

SK-SLN Side Lock End Mill Holder
SK-SLN側固式立銑刀柄



B40

SK-MTA Morse Taper Holder
SK-MTA莫氏錐套刀柄（鑽頭套筒）



B41

SK-MTB Morse Taper Holder （Screw Lock）
SK-MTB莫氏錐套刀柄（螺絲鎖緊）



B41

SK-SPU Drill Chuck Holder
SK-SPU直結式鑽夾頭刀柄



B42

SK-FMB Face Milling Holder
SK-FMB平面銑刀柄



A42

SK-SLO Oil-feed Holder
SK-SLO油路刀柄



B43

ISO-GSK High Precision Chuck
ISO-GSK高速精密筒夾本體



B44

ISO-ER Spring Collet Chuck
ISO-ER彈性筒夾本體



B44

DSF Shrink Fit Extender
DSF燒結式熱裝延長杆



B45

SF Shrink Fit Extender
SF燒結式熱裝延長杆



B46

DC Cylindrical Shank Of Slim Chuck
DC直柄式小徑延伸杆



B47

DSK Collet Chucks For DSK Collet Straight Shank
DSK直柄彈性筒夾延長杆



B47

Straight Shank ER Collet Chuck Holder
直柄ER彈性筒夾延長杆



B48

Straight Shank Collet Chuck M-Type
M型直柄ER彈性筒夾延長杆



B48

DC Small Collet For Slim Collet Chuck
DC小徑筒夾



B49

DSK Precision Collet
DSK精密彈性筒夾



B50

ER Collet
ER彈性筒夾



B51

MLC Straight Collet
MLC强力彈性直筒夾



B52

Tapping Collet For High Speed Tapping Chuck TPM
TPD扭力絲攻筒夾



B53

Clamping Nuts For GSK Collet Chuck
GSK高速刀柄專用螺帽



B54

Clamping Nuts For DSK Collet Chuck
DSK高速刀柄專用螺帽



B54

Clamping Nut For ER Collet
ER夾頭螺帽



B54

Wrench For Clamping Nuts GSK
GSK套筒專用扳手



B55

Wrench For Clamping Nut ER
ER專用扳手



B55

Wrench For High Precision Milling Chuck HPM
HPM强力彈性套筒專用扳手



B55

Wrench For High Precision Milling Chuck MLC
MLC强力筒夾本體專用扳手



B55

Wrench For Drill Chuck SPU
SPU鑽夾頭專用扳手



B55

BT Pull Stud Without Hole
BT螺栓拉頭



B56

BT Pull Stud Through Hole
BT螺栓拉頭（出水型）



A56

SK Pull Stud With Hole
SK螺栓拉頭



B56

MAZAK Pull Stud
MAZAK螺栓拉頭



B57

DIN2080 Pull Stud
DIN2080螺栓拉頭



B57

MTB Morse Pull Stud With Hole
MTB莫氏螺栓拉頭



B57

Shrink-Fit Machine
電磁誘導加熱器



B59

AJX High Feed End Mill
AJX大進給立銑刀



C01

EXP High Feed End Mill
EXP大進給立銑刀



C02

SKS High Feed End Mill
SKS大進給立銑刀



C03

ASR High-feed Milling Cutter
ASR大進給立銑刀



C04

AHU Right Angle Shoulder Milling Cutter
AHU直角臺肩銑刀



C05-C06

JRC Indexable End Mill
JRC捨弃式端銑刀



C07

EMR Indexable End Mill
EMR捨弃式端銑刀



C08-C09

EMRT Indexable End Mill
EMRT捨弃式端銑刀



C10-C11

TRS Indexable Milling Cutter
TRS捨弃式端銑刀



C12-C13

RCF Ball-nose Indexable Cutter For Roughing
RCF球形中粗刀



C14

RCFL Ball-nose Indexable Cutter For Roughing
RCFL球形中粗刀



C15

BF Ball-nose Milling Cutter For Finishing
BF球頭精加工立銑刀



C16

300R/400R High Speed Indexable End Mill
300R/400R直角高速端銑刀



C17-C18

AJU Cutter For Centering And Drilling
AJU過中心鑽銑刀



C19-C20

R390 Indexable End Mill
R390捨弃式端銑刀



C21

TCP Power Milling Cutter
TCP强力立銑刀



C21

ATS T-Slot Milling Cutter
ATS-T型槽端銑刀



C22

ASL Cutter For Drilling And Milling
ASL鑽銑共用型銑刀(短刃型)



C22

ASJ Cutter For Drilling And Milling
ASJ鑽銑共用型銑刀(短刃型)



C23

SKM High-speed Milling Cutter
SKM高速面銑刀



C23

TP Shoulder Milling Cutter
TP捨弃式直角銑刀



C24

TP30,45,60 Chamfering Cutter
TP30度,45度,60度直柄型倒角刀



C25

CH Indexable Cutter For Pocketing
CH螺絲沉頭孔銑刀



C25

EM45° Internal And External Chamfering Cutter
EM45度内外倒角刀



C26

SSK45° Chamfering Cutter
SSK45度捨弃式倒角刀



C26

SSP45° Cutter For Centering And Chamfering
SSP45度定位倒角刀



C27

SB Chamfering Cutter
SB新型倒角刀



C27

APE Shell Mill For Roughing
APE粗切削端銑刀



C28

SPE Shell Mill For Roughing
SPE粗切削端銑刀



C28

AJX High-feed Face Mill
AJX大進給面銑刀頭



C29

TXP High-feed Face Mill
TXP大進給面銑刀頭



C30

SKS High-feed Face Mill
SKS大進給面銑刀頭



C31

JRC Face Milling Cutter For finishing
JRC圓刀刃平面銑刀頭



C32

EMRW Face Milling With Round Inserts
EMRW圓刀刃平面銑刀頭



C33

TRS Face Milling Cutter
TRS圓刀刃平面銑刀頭



C34

PE75° Face Milling Cutter
PE75度平面銑刀頭



C35

400R Square Face Mill
400R直角平面銑刀頭



C35

TP90° Square Face Mill Head
TP90度直角面銑刀頭



C36

SE45° High-speed Face Mill
SE45度高速平面銑刀頭



C37

FM45° Aluminum Alloy Face Mill
FM45度鋁合金平面銑刀頭



C38

FM90° Face Milling Cutter (Aluminum Alloy)
FM90度鋁合金平面銑刀頭



C38

FP45° Face Mill Head
FP45度平面銑刀頭



C39

FP75° Face Mill Head
FP75度平面銑刀頭



C39

SDC Indexable Side Cutter For Slotting
SDC捨弃式側銑刀



C40

AMC Shell Mill For Roughing
AMC殼式粗切削端銑刀



C41

PMC Shell Cutter For Roughing
PMC殼式粗切削端銑刀



C42

BT-BMC Shell Cutter For Roughing
BT-BMC粗切削端銑刀



C42

MCLNR/L



D01

MCBNR/L



D01

MCKNR/L



D02

MCFNR/L



D02

MCGNR/L



D03

MCSNR/L



D03

MCMNN



D04

MCMNN-40



D04

MDJNR/L



D05

MDPNN



D05

MDQNR/L



D06

MSBNR/L



D06

MSDNN



D07

MSKNR/L



D07

MSSNR/L



D08

MTBNR/L



D08

MTENN



D09

MTJNR/L



D09

MTFNR/L



D10

MTGNR/L



D10

MTQNR/L



D11

MVJNR/L



D11

MVQNR/L



D12

MVVNN



D12

MWLNR/L



D13

WCKNR/L



D13

WCMNN



D14

WCLNR/L



D14

WCBNR/L



D15

WTENN

WCMNN-40



D15

WWLNR/L

WTJNR/L



D16

SCACR/L

WTQNR/L



D16

SCBCR/L



D17

SCFCR/L



D17

SCKCR/L



D18

SCLCR/L



D18

SCMCN



D19

SCMCN-40



D19

SDACR/L



D20

SDFCR/L



D20

SDJCR/L



D21

SDNCN



D21

SDQCR/L



D22

SRACR/L



D22

SRDCN



D23

SRGCR/L



D23

STECR/L



D24

STFCR/L



D24

STGCR/L



D25

STUCR/L



D25

STWCR/L



D26

SSBCR/L



D26

SSDCN



D27

SSKCR/L



D27

SSSCR/L



D28

SVJ*R/L



D28

SVQ*R/L



D29



D29



D30



D30

SVU*R/L



D31

SVV*N



D31

MCKNR/L



D32

MCLNR/L



D33

MDQNR/L



D34

MDUNR/L



D34

MSKNR/L



D35

MTFNR/L



D35

MTQNR/L



D36

MTUNR/L



D37

MTWNR/L



D38

MVQNR/L



D38

MVUNR/L



D39

MVWNR/L



D39

MVXNR/L



D40

MWLNR/L



D41

SCK*R/L



D42-D43

SCL*R/L



D44-D45

SCLCR/L*H



D46

SCLCR/L*P



D46

SCZCR/L



D47

SDLCR/L



D48

SDQCR/L



D49

SDUCR/L



D50

SDWCR/L



D51

SDZCR/L



D52

SDXCR/L



D53

SSK*R/L



D54

SSS*R/L



D55

STFCR/L



D56

STFPR/L



D57

STUCR/L



D58

STUPR/L



D59

STWCR/L



D60

SVQ*R/L



D61

SVU*R/L



D62

SVZ*R/L



D63

SVX*R/L



D64

SWLCR/L



D65

SER/L



D66

SIR/L



D67

GT*R/L



D68

GT*R/L-L



D69

KTGR/L



D72

MGEHR/L

MGEVR/L

MGFVR/L

MGIVR/L

QE*DR/L



D72-D73

QF*D**LL**



D73

QF*D-L



D74

QF*D**RR**



D74

QF*D**RL**



D75

QF*D**LR**



D76

QZQ



D77

Q*DR/L



D78

SNGR/L



D79



D80



D81



D81



D82

DP-2-E / Square / Standard / 2 Flutes
DP-2-E兩刃直柄平頭立銑刀

DP-2-EL / Square / Long / 2 Flutes
DP-2-EL兩刃直柄長刃平頭立銑刀

DP-4-E / Square / Standard / 4 Flutes
DP-4-E四刃直柄平頭立銑刀

DP-4-EL / Square / Long / 4 Flutes
DP-4-EL四刃直柄平頭立銑刀



E01



E02



E03



E04

DP-4-G-E / Square / Standard / 4 Flutes
DP-4-G-E四刃直柄平頭立銑刀



E05

DP-4-G-EL / Square / Long / 4 Flutes
DP-4-G-EL四刃直柄長柄平頭立銑刀



E06

DP-2-B / Ball / Standard / 2 Flutes
DP-2-B兩刃直柄球頭立銑刀



E07

DP-2-BL / Ball / Long / 2 Flutes
DP-2-BL兩刃直柄長柄球頭立銑刀



E08

DP-2-R / Corner Radius / Standard / 2 Flutes
DP-2-R兩刃直柄圓弧立銑刀



E09

DP-4-R /Corner Radius / Standard / 4 Flutes
DP-4-R四刃直柄圓弧立銑刀



E10

DG-2-E / Square / Standard / 2 Flutes
DG-2-E兩刃直柄平頭立銑刀



E11

DG-2-EL / Square / Long / 2 Flutes
DG-2-EL兩刃直柄長刃平頭立銑刀



E12

DG-2-ES / Square / Micro / 2 Flutes
DG-2-ES兩刃直柄微小徑平頭立銑刀



E13

DG-2-EP / Square / Long Neck / Short Flute / 2 Flutes
DG-2-EP兩刃直柄長頸短刃平頭立銑刀



E14-E15

DG-4-E / Square / Standard / 4 Flutes
DG-4-E四刃直柄平頭立銑刀



E16

DG-4-EL / Square / Long / 4 Flutes
DG-4-EL四刃直柄長刃平頭立銑刀



E17

DG-4-G-E / Square / Standard / 4 Flutes
DG-4-G-E四刃 直柄平頭立銑刀



E18

DG-4-G-EL / Square / Long / 4 Flutes
DG-4-G-EL四刃直柄長刃平頭立銑刀



E19

DG-6-E / Square / Standard / 6 Flutes
DG-6-E六刃直柄平頭立銑刀



E20

DG-6-EL / Square / Long / 6 Flutes
DG-6-EL六刃直柄長刃平頭立銑刀



E21

DG-2-B / Ball / Standard / 2 Flutes
DG-2-B兩刃直柄球頭立銑刀



E22

DG-2-BL / Ball / Long / 2 Flutes
DG-2-BL兩刃直柄長柄球頭立銑刀



E23

DG-2-BP / Ball / Long Neck / Short Flute / 2 Flutes
DG-2-BP兩刃直柄長頸短刃球頭立銑刀



E24-E25

DG-4-B / Ball / Standard / 4 Flutes
DG-4-B四刃直柄球頭立銑刀



E26

DG-4-BL / Ball / Long / 4 Flutes
DG-4-BL四刃直柄長柄球頭立銑刀



E27

DG-2-R / Corner Radius / Standard / 2 Flutes
DG-2-R兩刃直柄圓弧立銑刀



E28

DG-4-R / Corner Radius / Standard / 4 Flutes
DG-4-R四刃直柄圓弧立銑刀



E29

DG-4-RL / Corner Radius / Long / 4 Flutes
DG-4-RL四刃直柄長柄圓弧立銑刀



E30

DG-4-W / Square / Standard / 4 Flutes / Waving
DG-4-W四刃直柄平頭波形刃立銑刀



E31

DH-2-E / Square / Standard / 2 Flutes
DH-2-E兩刃直柄平頭立銑刀



E32

DH-2-ES / Square / Micro / 2 Flutes
DH-2-ES兩刃直柄微小徑平頭立銑刀



E33

DH-2-EP /Square /Long Neck/Short Flute /2 Flutes
DH-2-EP兩刃直柄長頸短刃平頭立銑刀



E34-E35

DH-4-E / Square / Standard / 4 Flutes
DH-4-E四刃直柄平頭立銑刀



E36

DH-4-EL / Square / Long / 4 Flutes
DH-4-EL四刃直柄長刃平頭立銑刀



E37

DH-4-EFP / Square / Long / Short Flute / 4 Flutes
DH-4-EFP四刃直柄長頸短刃平頭立銑刀



E38

DH-6-E / Square / Standard / 6 Flutes
DH-6-E六刃直柄平頭立銑刀



E39

DH-6-EL / Square / Long / 6 Flutes
DH-6-EL 六刃直柄長刃平頭立銑刀



E40

DH-2-B / Ball / Standard / 2 Flutes
DH-2-B 兩刃直柄球頭立銑刀



E41

DH-2-BL / Ball / Long / 2 Flutes
DH-2-BL 兩刃直柄長柄球頭立銑刀



E42

DH-2-BP / Ball / Long Neck / Short Flute / 2 Flutes
DH-2-BP 兩刃直柄長頸短刃球頭立銑刀



E43-E44

DH-2-BFP / Ball / Long Neck / Short Flute / 2 Flutes
DH-2-BFP 兩刃直柄長頸短刃球頭立銑刀



E45

DH-2-BS / Ball / Micro / 2 Flutes
DH-2-BS 兩刃直柄微小徑球頭立銑刀



E46

DH-4-B / Ball / Standard / 4 Flutes
DH-4-B 四刃直柄球頭立銑刀



E47

DH-4-R / Corner Radius / Standard / 4 Flutes
DH-4-R 四刃直柄圓弧立銑刀



E48

DH-4-RF / Corner Radius / Short Flute / 4 Flutes
DH-4-RF 四刃直柄短刃圓弧立銑刀



E49

DH-4-RP / Corner Radius / Long Neck / Short Flute / 4 Flutes
DH-4-RP 四刃直柄長頸短刃圓弧立銑刀



E50

DL-2-E / Square / Standard / 2 Flutes
DL-2-E 兩刃直柄平頭立銑刀



E51

DL-2-EL / Square / Long / 2 Flutes
DL-2-EL 兩刃直柄長刃平頭立銑刀



E52

DL-3-E / Square / Standard / 3 Flutes
DL-3-E 三刃直柄平頭立銑刀



E53

DL-3-EL / Square / Long / 3 Flutes
DL-3-EL 三刃直柄長刃平頭立銑刀



E54

DL-2-B / Ball / Standard / 2 Flutes
DL-2-B 兩刃直柄球頭立銑刀



E55

DL-3-W / Square / Standard / 3 Flutes / Waving
DL-3-W 三刃直柄平頭波形立銑刀



E56

RDMT10T3MOS-RP-G3R



F01

RDMW1204MOS-RP-G3R



F01

RDMW1204MO-RM-G4R



F01

RDMW1204MO-RM-G5R



F01

RDKW1604MO-RP-G3R

RDKW1604MO-RM-G5R

RPMW0802MO-RP-G3R
RPMW1003MO-RP-G3R

RPMW0802MO-RM-G5R

RPMW1003MO-RM-G5R



F01

RPMT10T3MOS-RP-G3R



F01

RPMT10T3MOS-RM-G5R
RPMW1204MO-RM-G5R
RPMT1204MOS-RM-G5R



F04

RPMW1204MO-RP-G3R
RPMT1204MOS-RP-G3R



F04

RCKT10T3MOE-FM-MC20
RCKT1204MOE-FM-MC20
RCKT1204MO-SFM-G5R



F04

SPMT120408-RM-G5R
LPMT150412-RM-G5R



F04

APMT1135PDER-RP-G3R
APMT1135PDER-RM-G5R



F04

APMT1604PDER-RP-G3R
APMT1604PDER-RP-G5R
APMT1604PEDR-NA20-G3R



F04

RCKT10T3MOE-FM-MC20
RCKT1204MOE-FM-MC20
RCKT1204MO-SFM-G5R



F06

SPMT120408-RM-G5R
LPMT150412-RM-G5R



F07

APMT1135PDER-RP-G3R
APMT1135PDER-RM-G5R



F08

APMT1604PDER-RP-G3R
APMT1604PDER-RP-G5R
APMT1604PEDR-NA20-G3R



F08

SEHT1204AFSN-RP-G3R
SEHT1204AFSN-RM-G5R



F09

SEGX1204-NA20-G2R



F09

SEKR1203AFTN-RP-G3R
SEKR1203AFTN-RM-G5R



F09

SPEN1203AFTN-FP-UMC20
SEEN1203AFTN-MFP-UMC20



F09

WPKW06X415-RM-G5R
WPKW080615-RM-G5R



F11

WCMX******-RM-G4R



F12

SPMG******-RP-G3R



F12

SPMG******-NA20-G5R



F12

CCMT060204-HF-RP-G3R
CCMT09T304-HM-RP-G3R



F13

TCMT090204-HM-FP-G4Z
TCMT110204-HF-SFP-G3Z



F13

TCMT110208-HF-SFM-G5Z
TCMT16T304-HM-SFP-G3Z



F13

VBMT160408-53-SFP-G3Z



F13

CCGT060204-NA20-G3R
CCGT09T304-NA20-G3R



F13

TBGH******L-NA20-G3R



F14

TBGH******L-FP-G3R



F14

TBGH******L-FM-G5R



F14

CNMG120404-PM-SFP-G3Z
CNMG120408-PM-SFP-G3R
CNMG120412-PM-SFP-G3Z



F15

CNMG160608-T-SFP-G3Z



F15

DNMG110408-DM-SFP-G3Z



F15

DNMG150404-EM-SFP-G5Z



F15

DNMG150408-PM-SFP-G3R
DNMG150608-PM-SFP-G3R



F15

SNMG120404-PM-SFP-G3Z
SNMG120408-PM-SFP-G3Z



F15

TNMG160404-EM-SFM-G5Z
TNMG160408-PM-SFP-G3R



F15

WNMG080408-DM-SFP-G3R



F15

Torx Screw
刀片螺釘



G01

Socket Screw
内六角螺釘



G02

Socket Screw For Special
專用内六角螺釘



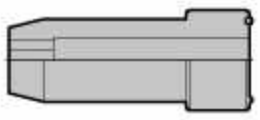
G03

Locking Screw
緊定螺釘



G04

HSK Coolant Pipe
HSK冷却液導管



G05

Nut
止動螺母



G05

Pin
鍵銷



G05

Gasket
墊圈



G06

Nut
過渡螺母



G06

Gasket
墊片



G06

Clamp
壓板



G07

Wrench
扳手



G07

Torx Wrench
旗形星形扳手



G08

T-shape Wrench
T形扳手



G08

Straw Wrerch
直柄星形扳手



G08

Allen Key
L形扳手



G08

Support Pads For Turning Tool Holder
車刀刀墊



G09

Clamps For Turning Tool Holder
車刀壓板



G09

Screws For Clamps On Turning Tool Holder
車刀壓板螺釘



G09

Center Screw Turning Tool Holder
車刀中心螺釘



G09

Z-Axial Zero-Setter
Z-量表式Z軸設定器



G10

Z-Axial Pressor Gauge（Magentic）
Z-量表式Z軸設定器附磁性



G10

Universal 3D-Sensor
三軸（3D）設定器



G10

Mechanical Edge Sensor
機械式尋邊器



G11

Electronic Edge Sensor
光電式尋邊器



G11

Spindle Taper Cleaner
清潔棒



G11

Tool Lock
立卧式鎖刀座



G12

Tool Lock
萬向式鎖刀座



G12

Trolley For Tool Holder
刀庫車



G12

Tooling Sheath
刀柄座



G12

Tooling Arrangement Plan
工具系統配置圖



ER Spring Collet Chuck
ER彈性筒夾本體



TER Tapping Chuck
TER伸縮攻牙器刀柄



TPM Tapping Chuck With High Rigidity
TPM扭力伸縮攻牙刀柄



MTB Mose Taper Holder
MTB莫氏錐套刀柄（螺絲鎖緊）



MTA Morse Taper Holder
MTA莫氏錐套刀柄（鑽頭套筒）



SLO Oil-feed Holder
SLO油路刀柄



FMA/B Face mill Holder
FMA/B平面銑刀柄



Straight Shank ER Collet
Chuck Holder
直柄ER彈性筒夾延長杆



Tapping Collet For High Speed Tapping
Chuck TPD
TPD扭力絲攻筒夾



SLO Oil-Feed Holders
Positioning Block
SLO油路止動塊



ER Collet
ER彈性筒夾



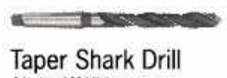
CSO Oili Feed Holders
Reducing Sleeve
CSO油路刀套



Tap
絲錐



Taper Shark End Mills
錐柄立銑刀



Taper Shark Drill
錐柄鑽頭



Side Of The Fixed
側固類



Face Milling Cutter
面銑刀頭



HPC High-speed Milling Chuck
HPC高速精密强力銑刀夾頭



HPM High speed Milling Chuck
HPM高速精密强力銑刀夾頭



MLC Power Milling Chuck For Heavy Duty
MLC强力筒夾本體



GSK High Precision Chuck
GSK高速精密筒夾本體



DSK High Precision Chuck
DSK高速精密筒夾本體



DC Precision Slim Collet Chuck
DC小徑精密夾頭本體



SPU Drill Chuck Holder
SPU直結式鑽夾頭刀柄



DSF Shrink Fit Holder
DSF燒結式熱裝刀柄（分體式）



SF Shrink Fit Holder
SF燒結式熱裝刀柄（一體式）



SK Collet Chucks For ER Collet
Straight Shank
SK直柄彈性筒夾延長杆



DC Cylindrical Shank Of Slim Chuck
DC直柄式小徑延伸杆



SF Extender（sintering）
SF燒結式熱裝延長杆



Straight Collet For High Precision
Milling Chuck
MLC强力彈性直筒夾



SK Precision Collet
SK精密彈性筒夾



DC Small Collet For Slim
Collet Chuck
DC小徑筒夾



Milling Cutter（Right Angle）
直角立銑刀



Milling Cutter（Boll-Nose）
球頭立銑刀



Milling Cutters
立銑刀



Straight Shank Drill Bits
直柄鑽頭



Reamer
絞刀



Centering Drill
中心鑽

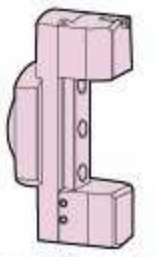


End Mills
鎢鋼刀

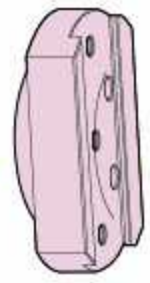
Modular Boring System
鏜刀組合系統

BST BORING SYSTEM
BST系列

FBH Large Diameter Boring Head For Finishing
FBH大徑極細微調精鏜頭



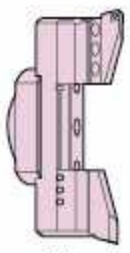
CBH Large Diameter Boring Head For Finishing
CBH大徑微調精密鏜頭



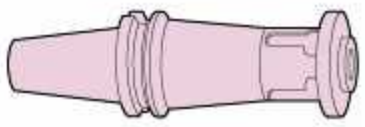
Flange
連接盤



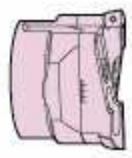
Extension Slider
橫向滑板



DBH Large Diameter Boring Head For Roughing
DBH大徑雙刃粗鏜頭



BST Basic Boring Adapter
BST鏜頭刀柄

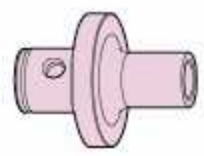


DBH Twin Cutter Rough Boring Head(DBH120)
DBH分體式粗鏜頭(DBH120)

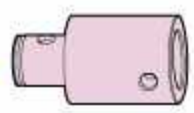


DBH Twin Cutter Rough Boring Head(DBH160)
DBH分體式粗鏜頭(DBH160)

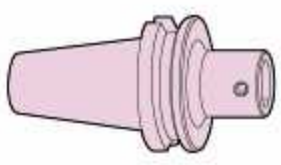
DCK BORING SYSTEM
DCK系列



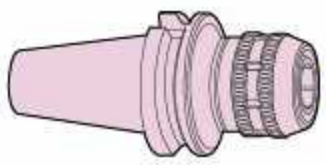
DCK Reduction Adapter
DCK异徑轉換接柄（大接小）

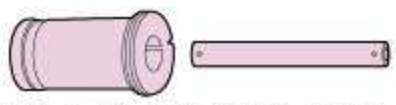


DCK Extention Adapter
DCK等徑延長接柄

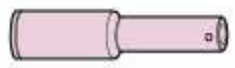


DCK Boring Adapter
DCK鏜頭刀柄





SCB Boring Bar With Solid Carbide Shank
SCB超硬整體碳化鎢鋼鏜刀杆



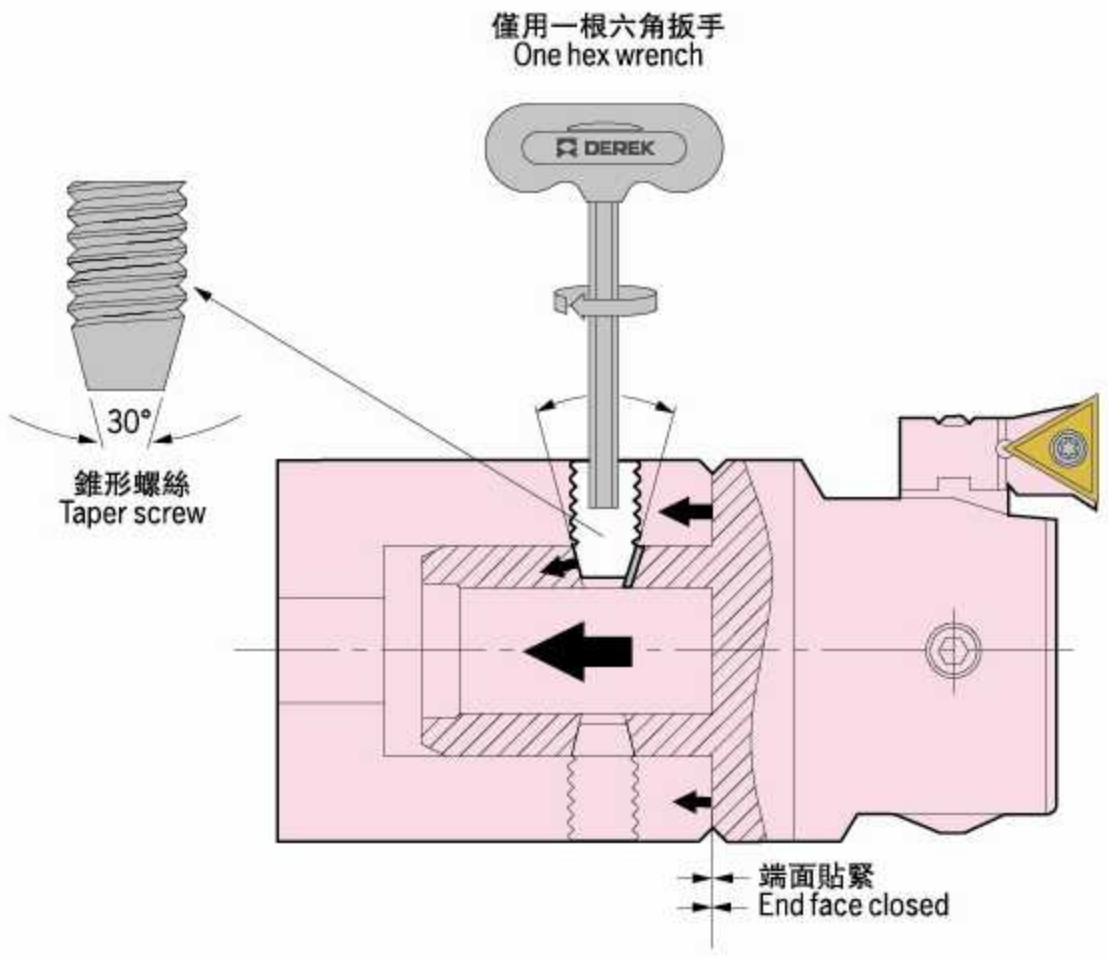
SSB-C32 Boring Bar With Straight Shank
SSB-C32直柄鏜刀杆

FBH Finish Head
FBH微調滑塊
Insert Holder For FBH Boring Head
FBH精鏜刀座
Balance Weight
平衡滑塊
Shim For Insert Holder
刀片座墊片
Insert Holder For FBH Back-Boring Head
FBH精鏜反鏜刀座
CBH Finish Head
CBH微調滑塊
ABH Rough Boring Head
ABH粗鏜頭系統組合
Balanced Weight
滑塊
Shim For Insert Holder
刀片座墊片
Insert Holder
刀片座及適用刀片
FBH Micro Boring Head
FBH極細微調精鏜刀
BM8
BM5
Insert Holder For FBH Boring Head
FBH精鏜刀座
DBH Twin Cutter Rough Boring Head
DBH分體式粗鏜頭
BM140-20
CBH finish Boring Head
CBH微調精密鏜頭
Shim For Insert Holder
刀片座墊片
Insert Holder For FBH Back-Boring Head
FBH精鏜反鏜刀座
DCK-DYD Micro-boring Bar
DCK-DYD微調精密鏜頭
FBH Micro-Boring Bar
FBH精鏜刀杆
DBJ Collet For Solid Carbide Boring Bar
DBJ鎢鋼刀杆專用筒夾
DT Anti-shaking Solid
Carbide Boring Bar
DT抗震鎢鋼刀杆
DEB Indexable Insert Holder
For Boring Bar
DEB拾弃式鏜頭
DBJ10/16 Micro-Boring Head
DBJ10/16微調精密鏜頭
DBJ10/16 Micro-boring Bar
DBJ10/16微調鏜頭刀杆
CBH-M Back Boring Tool
CBH-M微調精密反鏜頭
Balance Weight
平衡塊
CBH finish Boring Head
CBH微調精密鏜頭
BST Basic Boring Adapter
BST鏜頭刀柄
Flange
連接盤
Extension Slider
橫向滑板
Balanced Weight
平衡滑塊
Balance Weight
滑塊

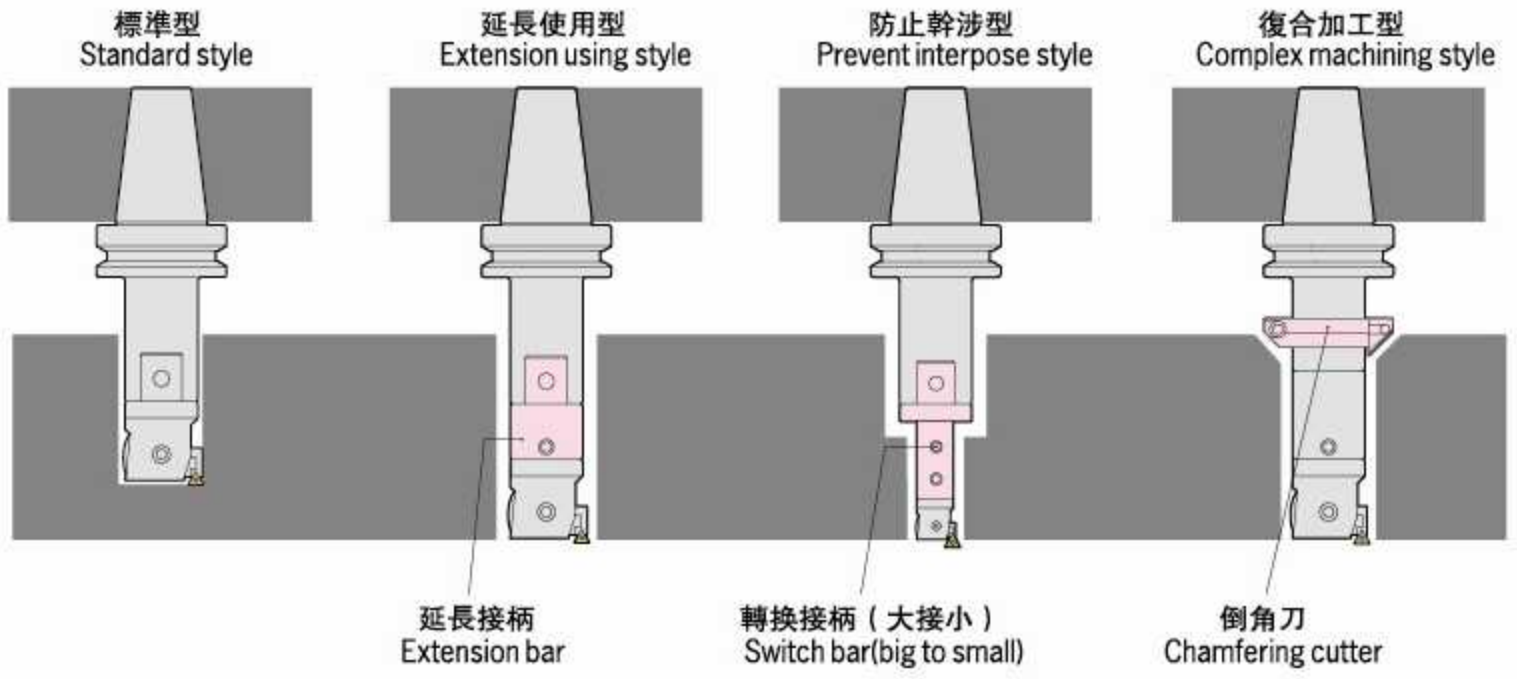

DCK6-CBH68-150
DEPEK
Ø118-150
Ø94-126
Ø80-100
Backboring
50
30

高精度，強力，操作方便--最理想的連接方式

High Precision, Big Power And Easy Operation--the Best Connection Style



A



B

■依靠30度錐形螺絲，把緊固力轉換成軸向拉力，使鏜刀端面與本體端面貼緊。（如圖A）
■模塊式設計，可以自由設定加工直徑和有效加工深度，配用。轉換接頭（大接小）減少刀具直徑，既可以確保剛性，又可以防止幹涉，再配合倒角器可自由組合成最合適的鏜削刀具。（如圖B）
■因鏜頭與本體的連接精度非常高所以衹需對鏜頭單獨對刀，可減輕勞動强度，提高工作效率，降低綜合成本。

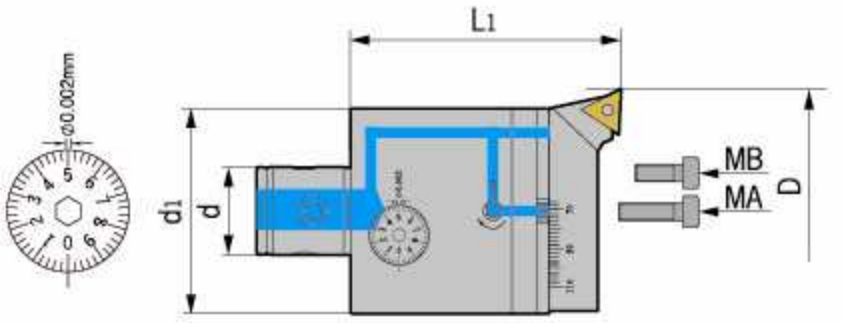
■To change settled force into axial pull with the 30 angle taper screw, so the end face of boring bar and holder touch closely. (Show as chart A)
■Modular designs can set on machining diameter and available process depth freely and easy for choosing.Reducing the cutter diameter of switch head (size) can not only assure the rigidity but also prevent interpose; then cooperating with chamfering machine, there is the most suitable boring bar in free combination.(show as chart B)
■Because the boring head and holder minutely connected, so we should setting cutiing head separated, Then it can increase the job efficiency, reduce the labor intensity and colligation cost.

FBH Micro-boring Head

FBH極細微調精鏜刀







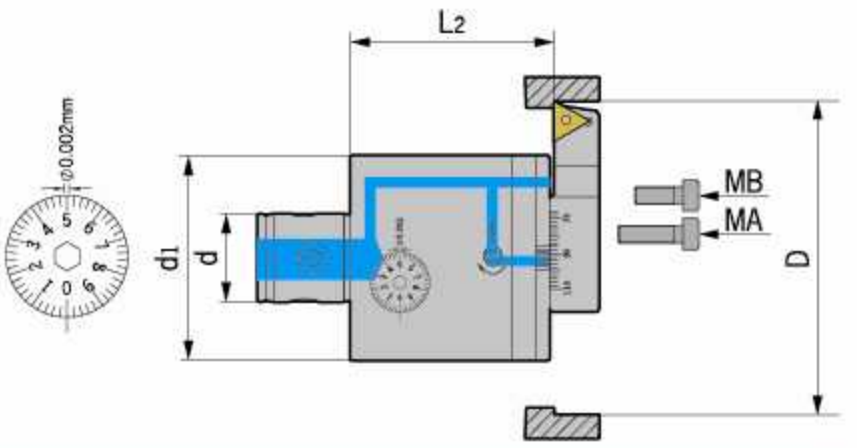
型號 Specification	d1	L1	鏜孔範圍 Boring range	組合刀柄 Adapter size	精鏜刀座 Insert holder	微調鎖緊螺釘 Adjusting screw	T型扳手 Wrench	重量 Weight
DCK2-FBH25-M	25	50	29-38	DCK2	MLTP2938	M040U050-D	T02	0.15
DCK3-FBH32-M	32	63	36-52	DCK3	MLTP3652	M040U060-D	T02	0.33
DCK4-FBH40-M	40	63	48-68	DCK4	MLTP4868	M050U080-D	T025	0.53
DCK5-FBH50-BM	50	80	57-80	DCK5	MLTP5780	M060U080-D	T03	1.02
DCK6-FBH63-BMA	64	80	70-110	DCK6	MLTP70110	M060U120-D	T03	1.70
DCK6-FBH80-BMB	80	100	110-150	DCK6	MLTP110150	M060U200-D	T03	3.50

FBH Micro Back-boring Head

FBH極細微調精鏜反鏜刀





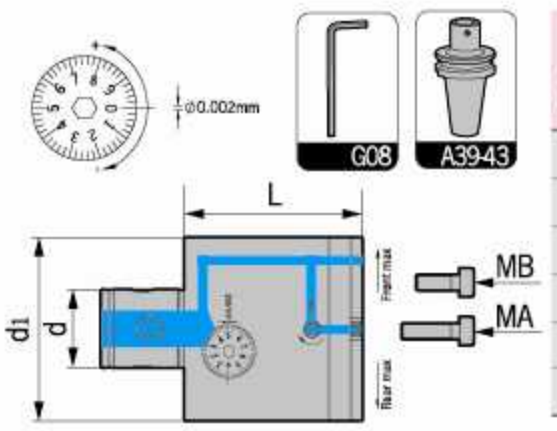


型號 Specification	d1	L2	鏜孔範圍 Boring range	組合刀柄 Adapter size	精鏜刀座 Insert holder	微調鎖緊螺釘 Adjusting screw	T型扳手 Wrench	重量 Weight
DCK2-FBH25-MK	25	43	29-38	DCK2	MRTP2938	M040U050	T02	0.13
DCK3-FBH32-MK	32	53	36-52	DCK3	MRTP3652	M040U060	T02	0.30
DCK4-FBH40-MK	40	53	48-68	DCK4	MRTP4868	M050U080	T025	0.50
DCK5-FBH50-BMK	50	65	57-80	DCK5	MRTP5780	M060U080	T03	1.00
DCK6-FBH63-BMKA	64	65	70-110	DCK6	MRTP70110	M060U120	T03	1.50
DCK6-FBH80-BMKB	80	80	110-150	DCK6	MRTP110150	M060U200	T03	3.30

FBH Micro-boring Body

FBH極細微調精鏜刀–精鏜刀本體



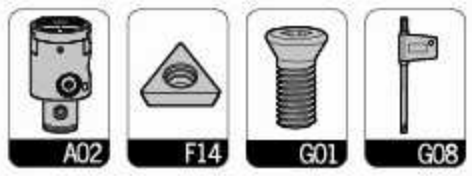


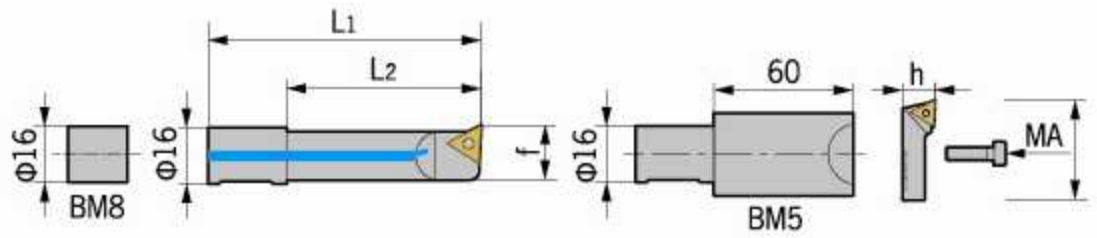
型號 Specification	d	d1	L	Front	Rear	BM	MA Bolt	MB Bolt	L型扳手 Key	重量 Weight
DCK2-FBH25	14	25	43	1	1	BM6	E050U160-D	-	L04	0.10
DCK3-FBH32	18	32	53	1	1	BM7	E050U160-D	-	L04	0.31
DCK4-FBH40	22	40	53	2	2	BM7	E050U160-D	-	L04	0.50
DCK5-FBH50	28	50	63	2	2	BM8	E100U250-D	-	L08	0.93
DCK6-FBH63	36	64	63	2	2	BM8	E100U250-D	-	L08	1.56
DCK6-FBH80	36	80	80	4	4	BM8	E100U250-D	E100U160-D	L08	2.91

FBH Micro-boring Bar

FBH精鏜刀杆







型號 Specification	L1	L2	鏜孔範圍 Boring range	組合鏜頭 Boring body	刀片 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
DR1606-21	65	21	6-9	DCK5-FBH50 DCK6-FBH63 DCK6-FBH80	WBGT0601..L	M020W040	Q06	0.04
DR1608-28	63	28	8-11		TBGT0601..L	M020W040	Q06	0.04
DR1610-35	63	35	10-13		TBGT0601..L	M020W040	Q06	0.05
DR1612-42	73	42	12-15		TPGH0902..L	M025W060	Q08	0.06
DR1614-50	78.5	50	14-17		TPGH0902..L	M025W060	Q08	0.08
DR1616-60	88	60	16-20		TPGH0902..L	M025W060	Q08	0.11
DR1620-65	92	65	20-24		TPGH1103..L	M030W070	Q08	0.16
DR1624-68	95	68	24-28		TPGH1103..L	M030W070	Q08	0.20
BM5	60+MLTP2938 or MLTP3652 or MLTP4868					E050U160	-	0.25
BM8	+MLTP5780 or MLTP70110 or MLTP110150					E100U250	-	0.04

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

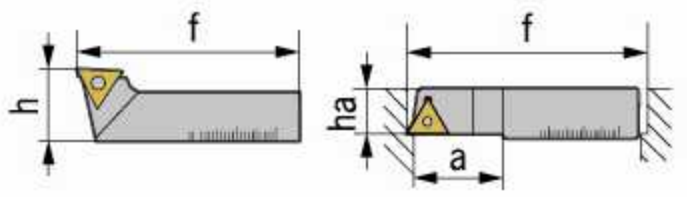
Insert Holder For FBH Boring Head

FBH精鏜刀片座









型號 Specification		h	f	鏜孔範圍 Boring range	組合鏜頭 Boring body	刀片 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
MLTP	2938	11	27	29-38	DCK2-FBH25	TPGH0902..L	M025W050	Q08	0.01
	3652	13	35	36-52	DCK3-FBH32	TPGH0902..L	M025W060	Q08	0.02
	4868	13	43	48-68	DCK4-FBH40	TPGH0902..L	M025W060	Q08	0.03
	5780	20	54	57-80	DCK5-FBH50	TPGH1103..L	M030W070	Q08	0.09
	70110	20	66	70-110	DCK6-FBH63	TPGH1103..L	M030W070	Q08	0.14
	110150	20	106	110-150	DCK6-FBH80	TPGH1103..L	M030W070	Q08	0.25

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

Inserts Holder For FBH Back-boring Head

FBH精鏜反鏜刀片座

型號 Specification		a	ha	f	鏜孔範圍 Boring range	組合鏜頭 Boring body	刀片 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
MRTP	2938	6	11	27	29-38	DCK2-FBH25	TPGH0902..R	M025W050	Q08	0.01
	3652	10	11	35	36-52	DCK3-FBH32	TPGH0902..R	M025W060	Q08	0.02
	4868	12	11	43	48-68	DCK4-FBH40	TPGH0902..R	M025W060	Q08	0.03
	5780	14	15	54	57-80	DCK5-FBH50	TPGH1103..R	M030W070	Q08	0.08
	70110	16	15	66	70-110	DCK6-FBH63	TPGH1103..R	M030W070	Q08	0.12
	110150	25	15	106	110-150	DCK6-FBH80	TPGH1103..R	M030W070	Q08	0.19

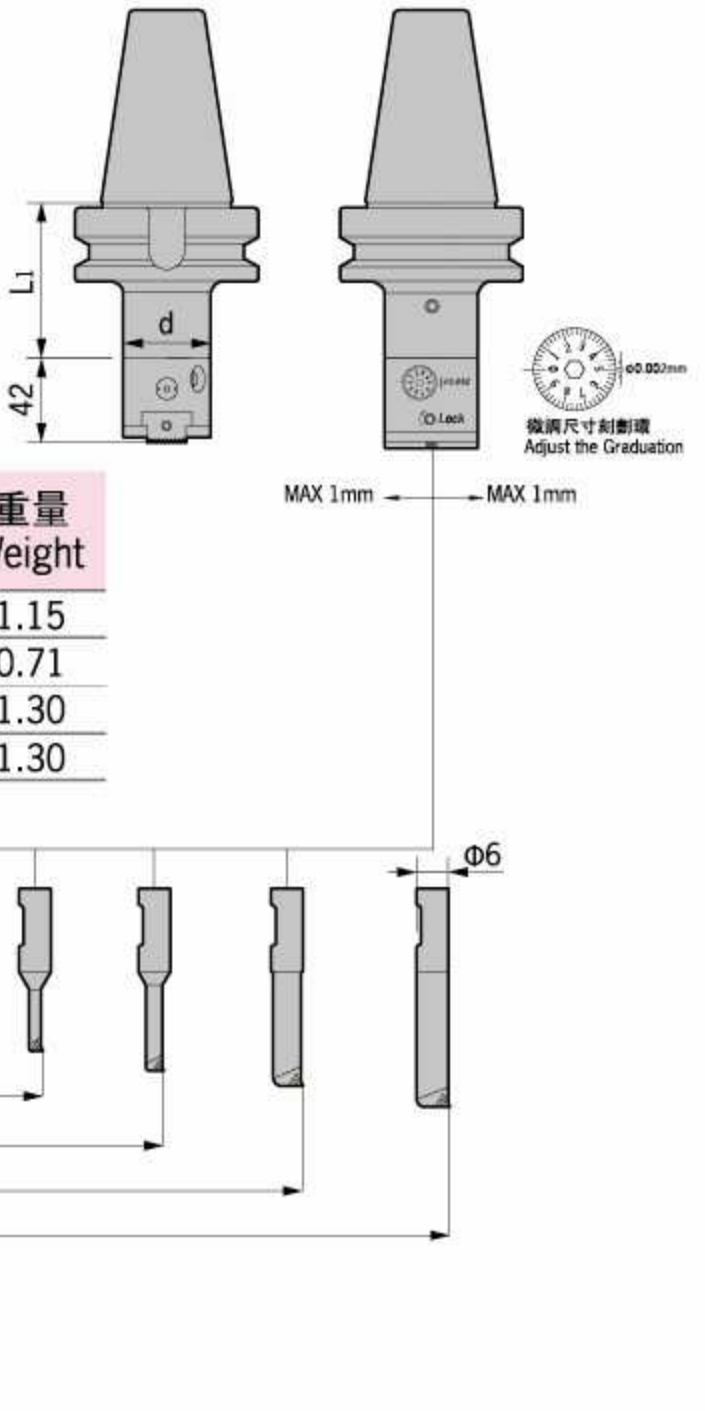
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

DCK2-FBH25P Micro-finishing Boring Tools

DCK2-FBH25P極細微調精鑿孔系統







型號 Specification	L1	鑿孔範圍 Boring range	組合刀柄 Adapter size	重量 Weight
HSK63A-DCK2-FBH25P	75	2-7	HSK63A-DCK2-75	1.15
BT30-DCK2-FBH25P	80	2-7	BT30-DCK2-80	0.71
BT40-DCK2-FBH25P	75	2-7	BT40-DCK2-75	1.30
SK40-DCK2-FBH25P	75	2-7	SK40-DCK2-75	1.30

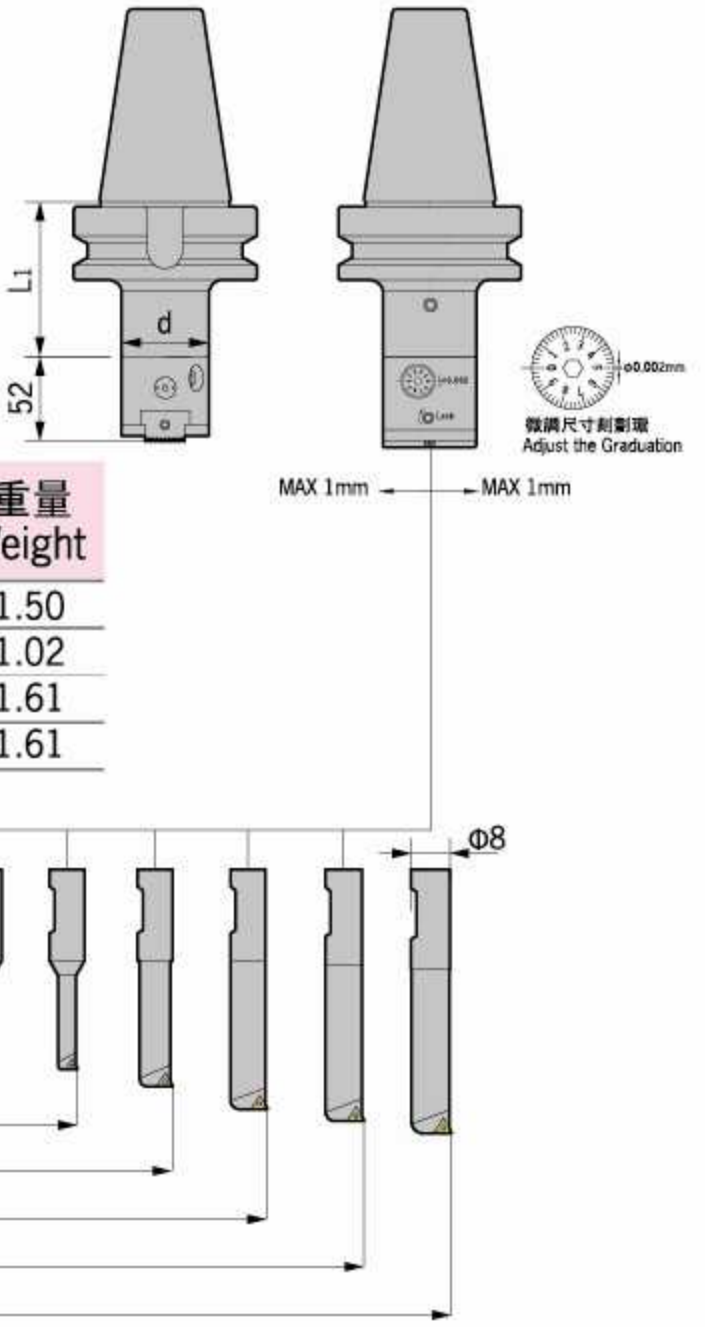
精鑿孔刀桿 Boring bar	鑿孔範圍 Boring range	深度 DM	重量 Weight
CA0602-9	2-3.2	9	0.01
CA0603-16	3-4.2	16	0.01
CA0604-22	4-5.2	22	0.02
CA0605-28	5-6.2	28	0.02
CA0606-32	6-7.2	32	0.02

DCK3-FBH32P Micro-finishing Boring Tools

DCK3-FBH32P極細微調精鑿孔系統







型號 Specification	L1	鑿孔範圍 Boring range	組合刀柄 Adapter size	重量 Weight
HSK63A-DCK3-FBH32P	80	2-9	HSK63A-DCK3-80	1.50
BT30-DCK3-FBH32P	80	2-9	BT30-DCK3-80	1.02
BT40-DCK3-FBH32P	80	2-9	BT40-DCK3-80	1.61
SK40-DCK3-FBH32P	80	2-9	SK40-DCK3-80	1.61

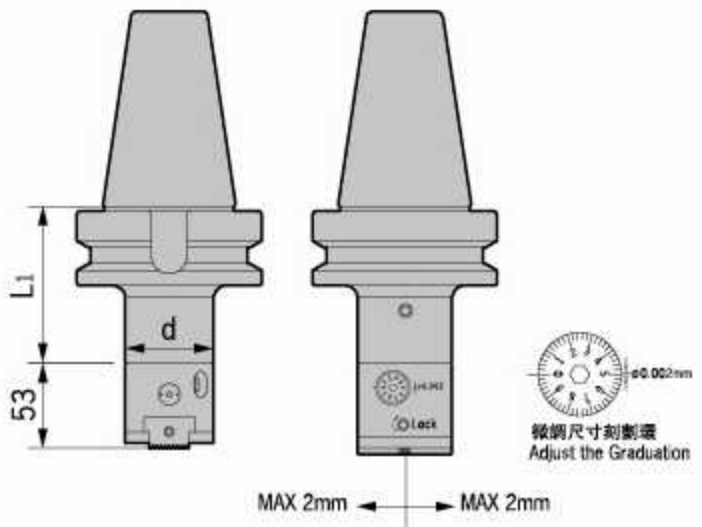
精鑿孔刀桿 Boring bar	鑿孔範圍 Boring range	深度 DM	重量 Weight
CA0802-9	2-3.2	9	0.03
CA0803-16	3-4.2	16	0.03
CA0804-22	4-5.2	22	0.03
CA0805-28	5-6.2	28	0.04
CA0806-32	6-7.2	32	0.04
CA0807-36	7-8.2	36	0.04
CA0808-42	8-9.2	42	0.05

DCK4-FBH40P Micro-finishing Boring Tools

DCK4-FBH40P極細微調精鏜孔系統

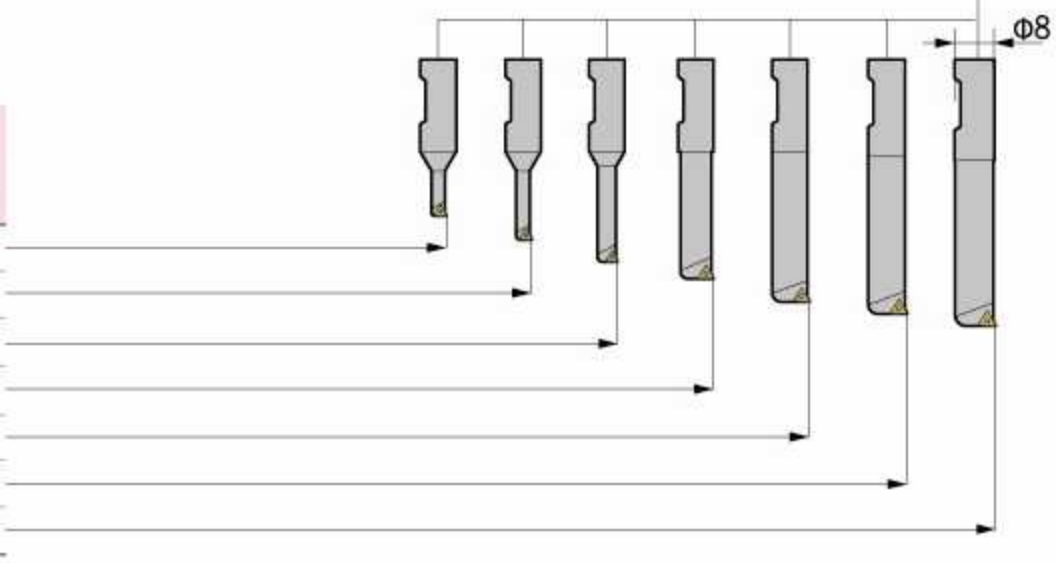






型號 Specification	L1	鏜孔範圍 Boring range	組合刀柄 Adapter size	重量 Weight
HSK63A-DCK4-FBH40P	70	2-9	HSK63A-DCK4-70	2.50
BT30-DCK4-FBH40P	70	2-9	BT30-DCK4-70	1.21
BT40-DCK4-FBH40P	70	2-9	BT40-DCK4-70	1.61
SK40-DCK4-FBH40P	70	2-9	SK40-DCK4-70	1.61

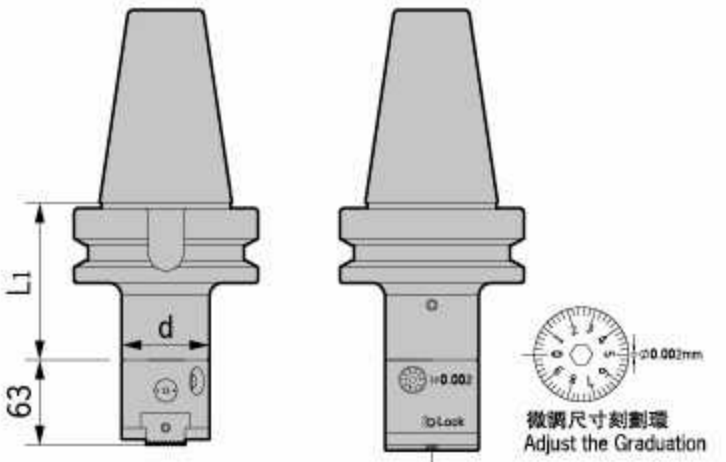
精鏜孔刀桿 Boring bar	鏜孔範圍 Boring range	深度 DM	重量 Weight
CA0802-9	2-3.2	9	0.03
CA0803-16	3-4.2	16	0.03
CA0804-22	4-5.2	22	0.03
CA0805-28	5-6.2	28	0.04
CA0806-32	6-7.2	32	0.04
CA0807-36	7-8.2	36	0.04
CA0808-42	8-9.2	42	0.05



DCK5-FBH50P Micro-finishing Boring Tools

DCK5-FBH50P極細微調精鏜孔系統



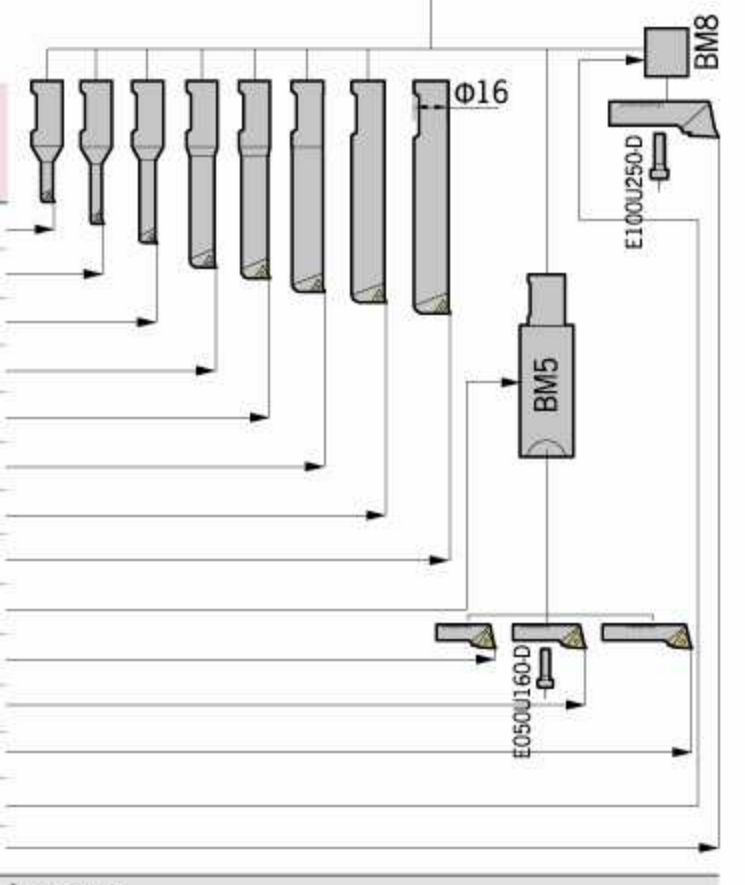




型號 Specification	L1 鏜孔範圍 Boring range		組合刀柄 Adapter size	BM側面鎖緊螺釘 BM Locking screw	L型扳手 Key	重量 Weight
HSK63A-DCK5-FBH50P	80	6-80	HSK63A–DCK5-80	M100U160-90-D	L05	4.02
BT30-DCK5-FBH50P	70	6-80	BT30-DCK5-70	M100U160-90-D	L05	2.90
BT40-DCK5-FBH50P	80	6-80	BT40-DCK5-80	M100U160-90-D	L05	3.54
BT50-DCK5-FBH50P	90	6-80	BT50-DCK5-90	M100U160-90-D	L05	6.32
SK40-DCK5-FBH50P	80	6-80	SK40-DCK5-80	M100U160-90-D	L05	3.54
SK50-DCK5-FBH50P	90	6-80	SK50-DCK5-90	M100U160-90-D	L05	6.32

精鏜孔刀桿 Boring bar	鏜孔範圍 Boring range	深度 DM	刀片 Insert	重量 Weight
DR1606-21	6-9	21	WBGT0601..L	0.04
DR1608-28	8-11	28	TBGT0601..L	0.04
DR1610-35	10-13	35	TBGT0601..L	0.05
DR1612-42	12-15	42	TPGH0902..L	0.06
DR1614-50	14-17	50	TPGH0902..L	0.07
DR1616-60	16-20	60	TPGH0902..L	0.09
DR1620-65	20-24	65	TPGH1103..L	0.11
DR1624-68	24-28	68	TPGH1103..L	0.12
BM5		60+MLTP2938 or MLTP3652 or MLTP4868		0.25
MLTP2938	29-38	+11	TPGH0902..L	0.01
MLTP3652	36-52	+13	TPGH0902..L	0.02
MLTP4868	48-68	+13	TPGH0902..L	0.03
BM8		+MLTP5780		0.03
MLTP5780	57-80	+20	TPGH1103..L	0.10

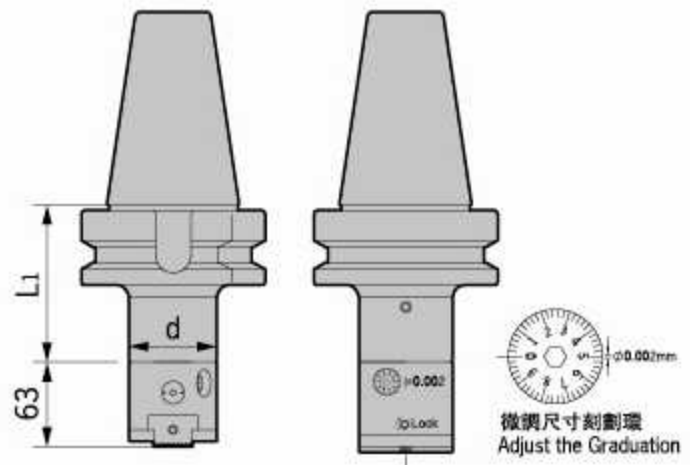
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert



DCK6-FBH63P Micro-finishing Boring Tools

DCK6-FBH63P極細微調精鏜孔系統



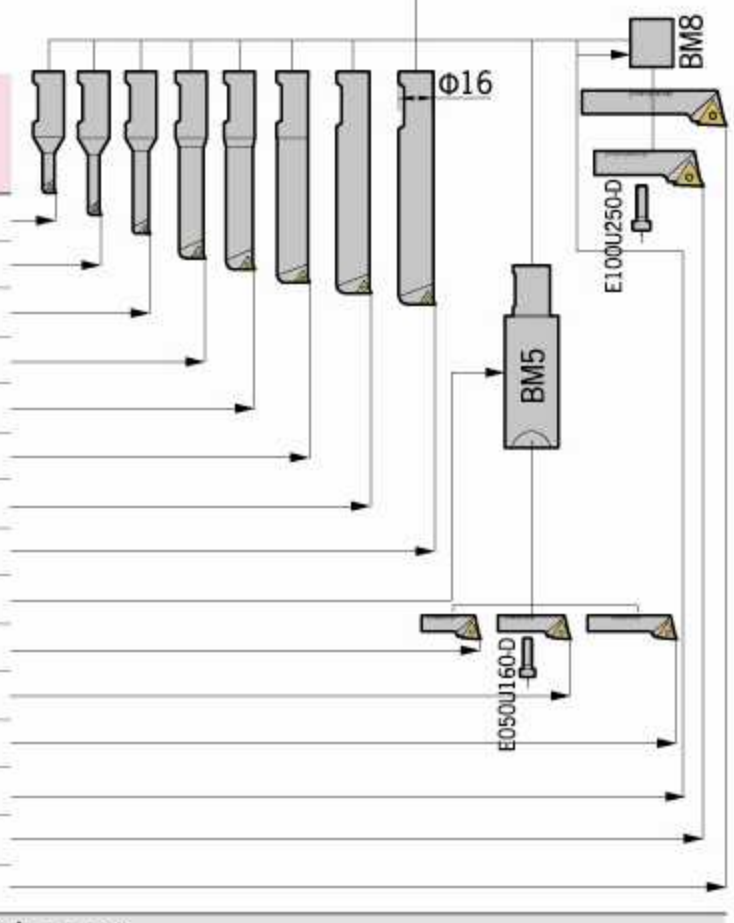




型號 Specification	L1	鏜孔範圍 Boring range	組合刀柄 Adapter size	BM側面鎖緊螺釘 BM Locking Screw	L型扳手 Key	重量 Weight
HSK63A-DCK6-FBH63P	55	6-150	HSK63A-DCK6-55	M100U200-90-D	L05	5.90
BT30-DCK6-FBH63P	60	6-150	BT30-DCK6-60	M100U200-90-D	L05	4.00
BT40-DCK6-FBH63P	55	6-150	BT40-DCK6-55	M100U200-90-D	L05	4.50
BT50-DCK6-FBH63P	85	6-150	BT50-DCK6-85	M100U200-90-D	L05	9.17
SK40-DCK6-FBH63P	90	6-150	SK40-DCK6-90	M100U200-90-D	L05	4.50
SK50-DCK6-FBH63P	85	6-150	SK50-DCK6-85	M100U200-90-D	L05	9.17

精鏜孔刀桿 Boring bar	鏜孔範圍 Boring range	深度 DM	刀片 Insert	重量 Weight
DR1606-21	6-9	21	WBGT0601..L	0.04
DR1608-28	8-11	28	TBGT0601..L	0.04
DR1610-35	10-13	35	TBGT0601..L	0.05
DR1612-42	12-15	42	TPGH0902..L	0.06
DR1614-50	14-17	50	TPGH0902..L	0.07
DR1616-60	16-20	60	TPGH0902..L	0.09
DR1620-65	20-24	65	TPGH1103..L	0.11
DR1624-68	24-28	68	TPGH1103..L	0.12
BM5		60+MLTP2938 or MLTP3652 or MLTP4868		0.25
MLTP2938	29-38	+11	TPGH0902..L	0.01
MLTP3652	36-52	+13	TPGH0902..L	0.02
MLTP4868	48-68	+13	TPGH0902..L	0.03
BM8		+MLTP70110 or MLTP110150		0.03
MLTP70110	70-110	+20	TPGH1103..L	0.10
MLTP110150	110-150	+20	TPGH1103..L	0.21

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

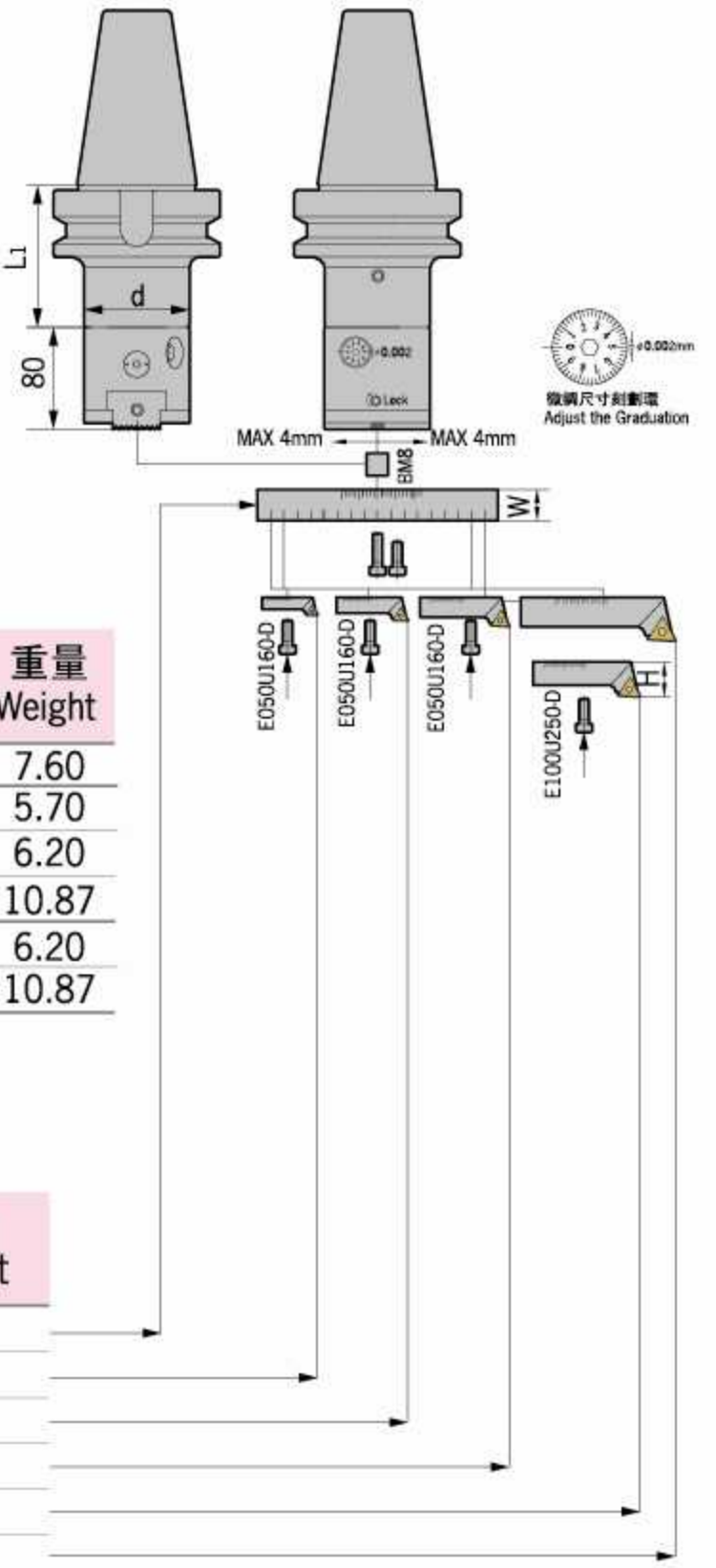


DCK6-FBH80 Micro-finishing Boring Tools

DCK6-FBH80極細微調精鑿孔系統







型號 Specification	L1	鑿孔範圍 Boring range	組合刀柄 Adapter size	BM側面鎖緊螺釘 BM Locking screw	L型扳手 Key	重量 Weight
HSK63A-DCK6-FBH80	55	110-150	HSK63A-DCK6-55	M100U250-90-D	L05	7.60
BT30-DCK6-FBH80	60	110-150	BT30-DCK6-60	M100U250-90-D	L05	5.70
BT40-DCK6-FBH80	55	110-150	BT40-DCK6-55	M100U250-90-D	L05	6.20
BT50-DCK6-FBH80	85	110-150	BT50-DCK6-85	M100U250-90-D	L05	10.87
SK40-DCK6-FBH80	90	110-150	SK40-DCK6-90	M100U250-90-D	L05	6.20
SK50-DCK6-FBH80	85	110-150	SK50-DCK6-85	M100U250-90-D	L05	10.87

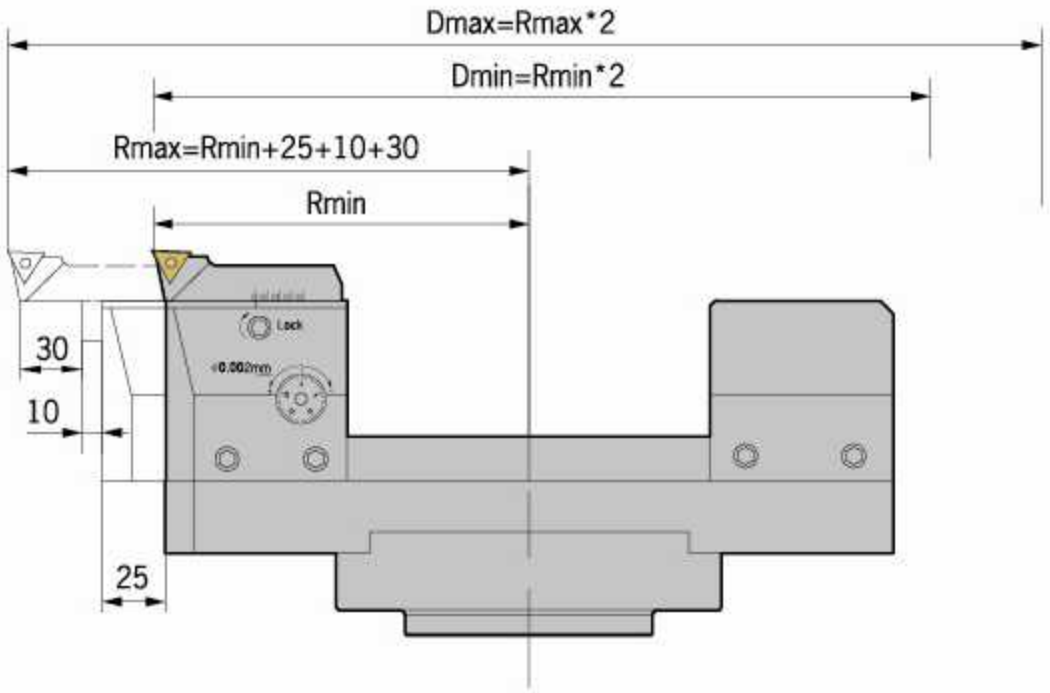
型號 Specification	鑿孔範圍 Boring range	H	刀片座鎖緊螺釘 Locking screw	L型扳手 Key	重量 Weight
PS140-20	+BM8	20	E100U250-D/E100U160-D	L08	0.43
MLTP2938	150-200	11	E050U160-D	L04	0.01
MLTP3652	160-210	13	E050U160-D	L04	0.02
MLTP4868	170-220	13	E050U160-D	L04	0.03
MLTP70110	140-240	20	E100U250-D	L08	0.10
MLTP110150	180-280	20	E100U250-D	L08	0.21

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

FBH Large Diameter Boring Head For Finishing

FBH大徑極細微調精鏜頭





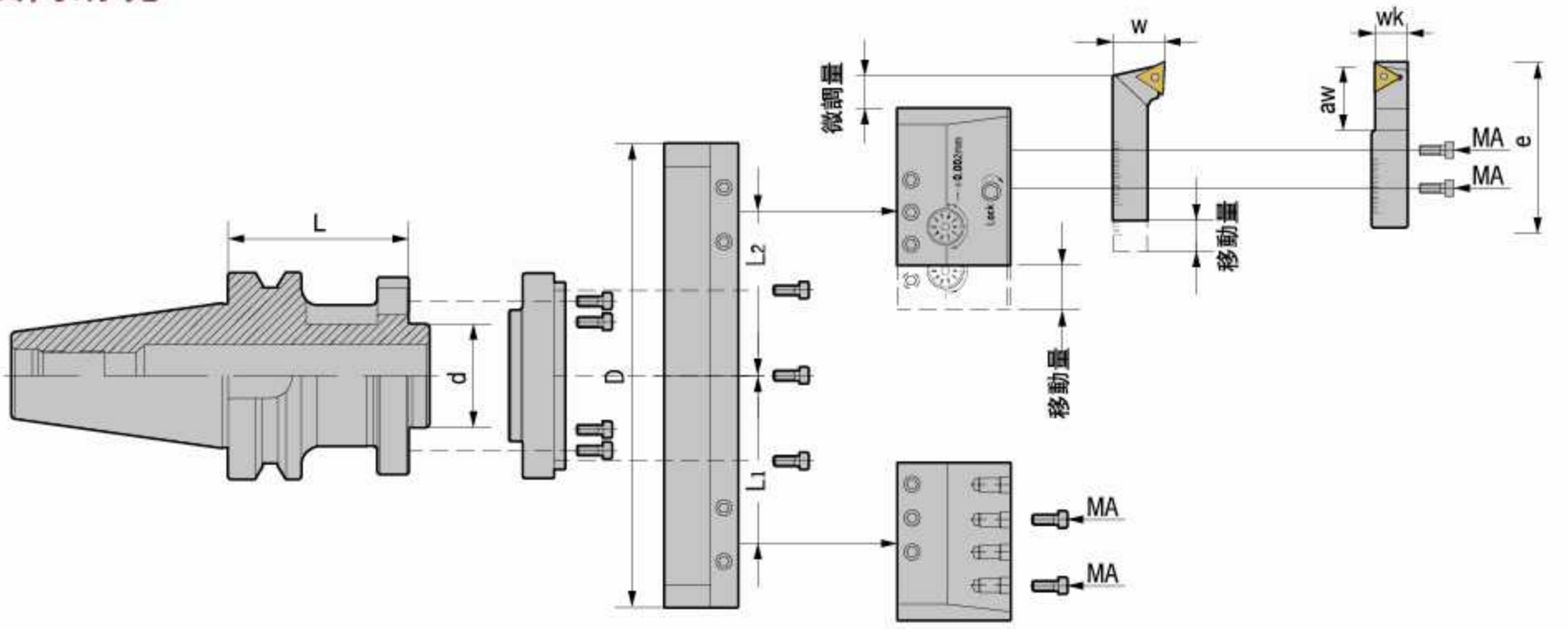






型號 Specification		鏜孔範圍 Boring range	大孔徑精鏜系統組合 Micro-Finishing boring system 橫向滑塊 Extention bridge	鏜頭刀柄 Boring adapter	大孔徑精鏜孔刀本體 Boring body	平衡座 Balance weight	精鏜孔刀座 Insert holder	重量 Weight
BST-	FBH200-310	200-260	DST200	BST	DSJ200	DSP200	MLTP70110	9.70
		250-310	DST200	BST	DSJ200	DSP200	MLTP110150	9.80
	FBH300-410	300-360	DST300	BST	DSJ200	DSP200	MLTP70110	11.70
		350-410	DST300	BST	DSJ200	DSP200	MLTP110150	11.80
	FBH400-510	400-460	DST400	BST	DSJ200	DSP200	MLTP70110	13.70
		450-510	DST400	BST	DSJ200	DSP200	MLTP110150	13.80
	FBH500-610	500-560	DST500	BST	DSJ200	DSP200	MLTP70110	15.70
		550-610	DST500	BST	DSJ200	DSP200	MLTP110150	15.80
	FBH600-710	600-660	DST600	BST	DSJ200	DSP200	MLTP70110	17.70
		650-710	DST600	BST	DSJ200	DSP200	MLTP110150	17.80
	FBH700-810	700-760	DST700	BST	DSJ200	DSP200	MLTP70110	19.70
		750-810	DST700	BST	DSJ200	DSP200	MLTP110150	19.80
	FBH800-910	800-860	DST800	BST	DSJ200	DSP200	MLTP70110	21.70
		850-910	DST800	BST	DSJ200	DSP200	MLTP110150	21.80

DST Extension Bridge
DST横向滑塊



型號 Specification	D	L1	L2	重量 Weight
DST-200	180	61	66	3.00
DST-300	280	111	116	4.60
DST-400	380	161	166	6.20
DST-500	480	211	216	7.80

型號 Specification	D	L1	L2	重量 Weight
DST-600	580	261	266	9.40
DST-700	680	311	316	11.00
DST-800	780	361	366	12.60



DSJ Boring Body, DSP Balance Weight
DSJ精鑿刀本體+DSP平衡座

型號 Specification	移動量 Mobile	微調量 Micro mobile	MA Bolt	扳手 Wrench	重量 Weight
DSJ-200	25	10	E100U200-D	L08	3.00
DSP-200	-	-	E100U200-D	L08	3.00



Insert Holder For FBH Boring Head
FBH精鑿刀片座

型號 Specification	w	e	移動量 Mobile	刀片 Insert	螺釘 Screw	扳手 Wrench	重量 Weight
MLTP70110	20	66	15	TPGS1103L	E100U200-D	L08	0.10
MLTP110150	20	106	30	TPGS1103L	E100U200-D	L08	0.21
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert							



Insert Holder For FBH Back-boring Head
FBH 精鑿反鑿刀片座

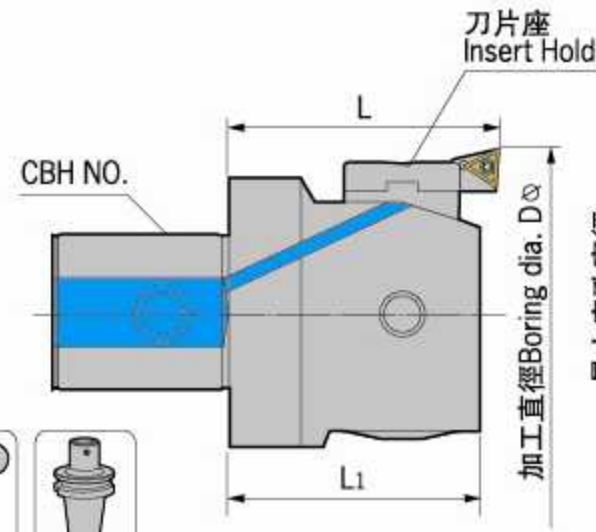
型號 Specification	aw	wk	e	移動量 Mobile	刀片 Insert	螺釘 Screw	扳手 Wrench	重量 Weight
MRTP70110	16	15	66	15	TPGH1103R	E100U200-D	L08	0.10
MRTP110150	25	15	106	30	TPGH1103R	E100U200-D	L08	0.21
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert								

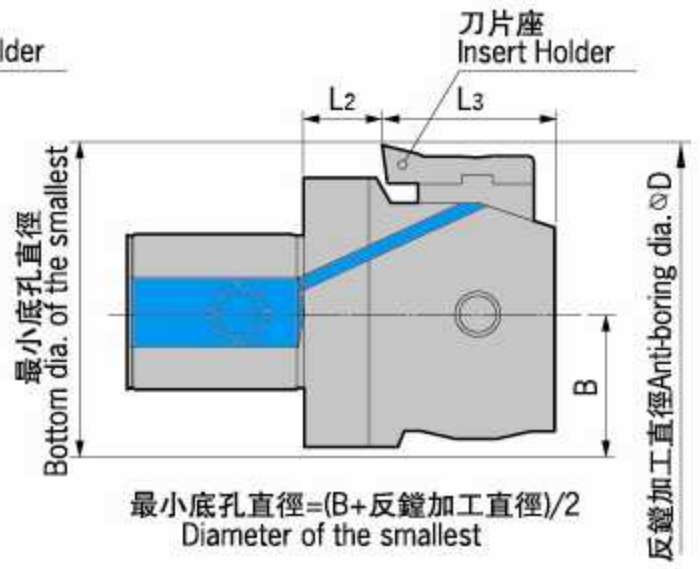
CBH Finish Boring Head

CBH微調精密鏜頭



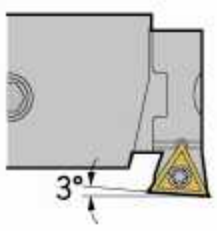
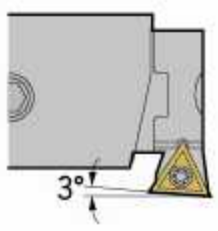
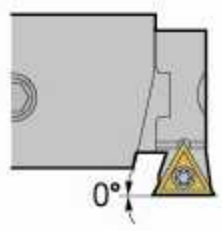






型號 Specification	正鏜 Boring L1	L	範圍Range	反鏜 Back boring B	L2	L3	範圍Range	刀片座 Insert holder	刀片 Insert	螺釘 Screw	扳手 Wrench	重量 Weight
DCK1-CBH20-36	29.5	32.5	20-26	10	10.5	19	-	CBH1-1	TPGH 080202	M022W050	Q06	0.06
			25-31				-	CBH1-2				0.06
			30-36				30-36	CBH1-3				0.06
DCK2-CBH25-47	32.5	35.5	25-33	12.5	11.5	21	-	CBH2-1				0.12
			32-40				36-40	CBH2-2				0.12
			39-47				39-47	CBH2-3				0.12
DCK3-CBH32-60	35	40	32-42	16	10	25	-	CBH3-1				0.20
			41-51				46-51	CBH3-2				0.20
			50-60				50-60	CBH3-3				0.20
DCK4-CBH41-74	43	47	41-54	20	14	29	-	CBH4-1				0.39
			50-63				53-63	CBH4-2				0.39
			61-74				61-74	CBH4-3				0.39
DCK5-CBH53-95	53	57	53-70	25.5	19	34	62-70	CBH5-1	TCMT 110204 (標配 With) TPGH 110304 (選配) (For choice)	M025W060 M030W070	Q08	0.80
			65-82				65-82	CBH5-2				0.80
			78-95				78-95	CBH5-3				0.80
DCK6-CBH68-150	67.2	71	68-100	32.5	22	45.2	80-100	CBH6-1				1.75
			94-126				94-126	CBH6-2				1.75
			118-150				118-150	CBH6-3				1.75
DCK6-CBH100-203	67.2	71	100-153	45.5	22	45.2	112-153	CBH6-1				2.47
			126-179				126-179	CBH6-2				2.47
			150-203				150-203	CBH6-3				2.47

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

型號 Specification	形狀圖 Figure	對應鏜頭 Boring head	型號 Specification	形狀圖 Figure	對應鏜頭 Boring head	型號 Specification	形狀圖 Figure	對應鏜頭 Boring head
CBH 1-1	 對應刀片 TPGH080202	DCK1-CBH20-36	**CBH** 4-1	 對應刀片 TCMT110204 (標配 With) TPGH110304 (選配) (For choice)	DCK4-CBH41-74	**CBH** 4-1	 對應刀片 TCMT110204 (選配) (For choice)	DCK4-CBH41-74
1-2			4-2			4-2		
1-3			4-3			4-3		
2-1		DCK2-CBH25-47	5-1		DCK5-CBH53-95	5-1		DCK5-CBH53-95
2-2			5-2			5-2		
2-3			5-3			5-3		
3-1		DCK3-CBH32-60	6-1		DCK6-CBH68-150 DCK6-CBH100-203	6-1		DCK6-CBH68-150 DCK6-CBH100-203
3-2			6-2			6-2		
3-3			6-3			6-3		

注意：標準報價含CBHX-1號刀片座一個，CBHX-2和CBHX-3需另外單獨購買。
Notice:Quotation with insert holder CBHX-1 included,while CBHX-2and CBHX-3 shall be ordered separately.

特 點 / Feature

■中心内冷。
■設動平衡結構，能達可靠加工精度。
■標準相對反鏜加工，加大附加值。

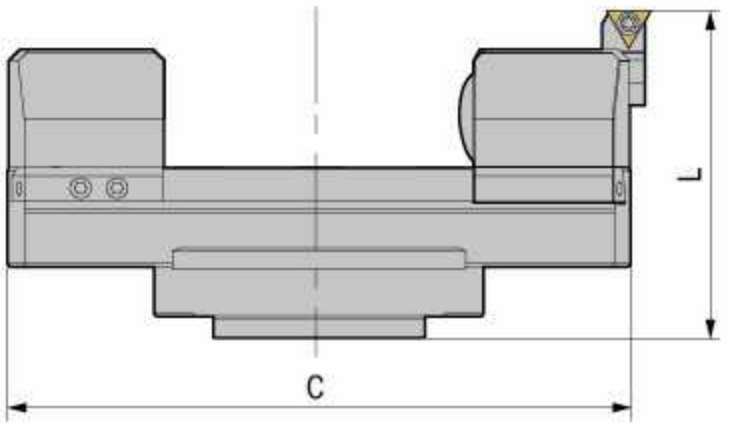
■Center for Coolant.
■With balanced structure high machining precision accuracy .
■High cost effectiveness with extra back-boring function .

CBH Large Diameter Boring Tool For Finishing

CBH大徑微調精密鏜頭







鏜孔範圍Φ200-Φ929mm組合系列 Boring Range: Φ200-Φ929mm

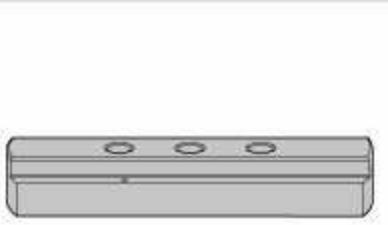
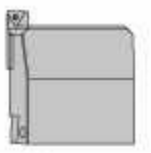
型號 Specification	C	L	鏜孔範圍 Boring range	組合刀柄 Adapter size	反鏜範圍 B-Boring range	反鏜深度 Work depth	刀片座 Insert holder	刀片型號 Insert	刀片螺釘 Insert screw	扳手 Wrench	重量 Weight
BST-CBH200329	180	130	200-305	BST	0-25	53	CBH6-1	對應刀片 TCMT110204 (標配 With) TPGH110304 (選配) (For choice)	M025W060 M030W070	L04 L05 Q08	11.85
	180	130	224-329	BST	-	53	CBH6-2				11.85
BST-CBH300429	280	130	300-405	BST	25-125	53	CBH6-1				13.86
	280	130	324-429	BST	25-100	53	CBH6-2				13.86
BST-CBH400529	380	130	400-505	BST	125-225	53	CBH6-1				15.87
	380	130	424-529	BST	100-200	53	CBH6-2				15.87
BST-CBH500629	480	130	500-605	BST	225-325	53	CBH6-1				17.88
	480	130	524-629	BST	200-300	53	CBH6-2				17.88
BST-CBH600729	580	130	600-705	BST	325-425	53	CBH6-1				19.89
	580	130	624-729	BST	300-400	53	CBH6-2				19.89
BST-CBH700829	680	130	700-805	BST	425-525	53	CBH6-1				21.91
	680	130	724-829	BST	400-500	53	CBH6-2				21.91
BST-CBH800929	780	130	800-905	BST	525-625	53	CBH6-1				23.94
	780	130	824-929	BST	500-600	53	CBH6-2				23.94

滑塊緊固螺釘:M080U100-D 微調鎖緊螺釘:M080U160-D T型扳手:T04 B-Boring Range:Back Boring Range

特 點 / Feature

■鏜孔範圍加大。
■刀片座加工工藝提升後，調節穩定性加强。

■Wider boring range.
■Better stability of adjustment after improvement on insert holder.

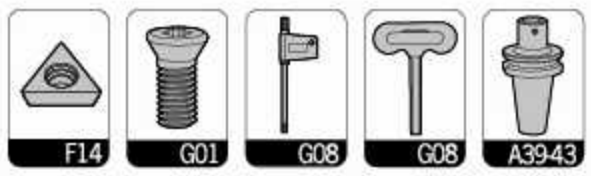
組合形式 Modulal system	型號 Specification	圖示 Figure	重量 weight
組合刀柄 Adapter size	BT-BST系列Series SK-BST系列Series		-
連接盤 Flange adapter	BST-FL200		2.61
橫向滑板 Extension bridge 可選用鋁質	DST200		3.40、1.20(鋁材)
	DST300		5.40、1.85(鋁材)
	DST400		7.40、2.50(鋁材)
	DST500		9.40、3.15(鋁材)
	DST600		11.40、3.80(鋁材)
	DST700		13.40、4.45(鋁材)
	DST800		15.40、5.10(鋁材)
平衡滑塊 Balance weight	DBN300		1.96
	DBN300		1.96
	DBN300		1.96
微調滑塊 Finish head	CB200		1.96
	CB200		1.96
	CB200		1.96

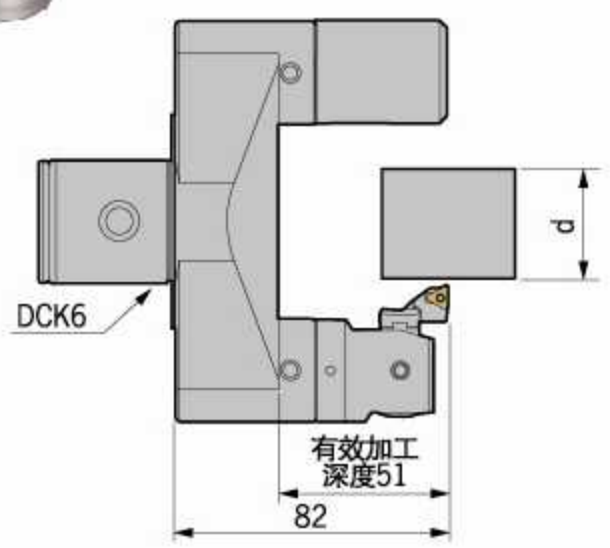
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

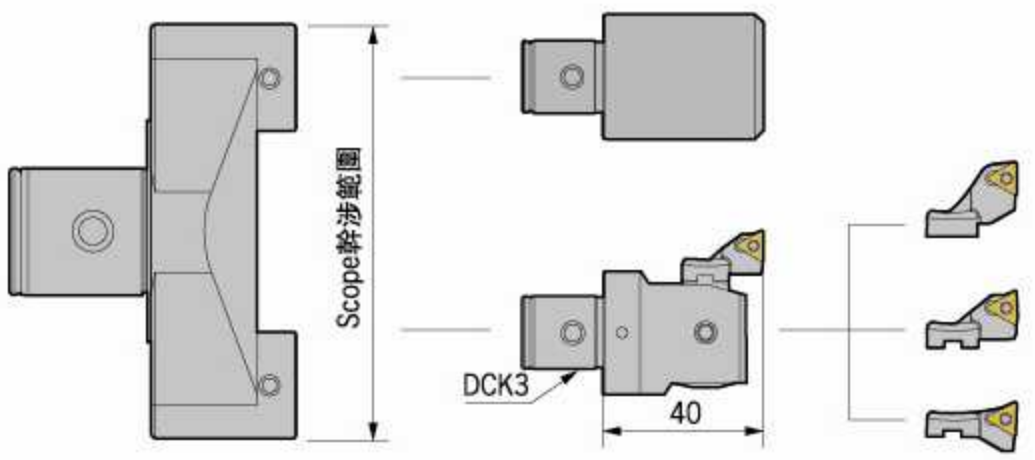
CBH-M Modular Adapter For Pin Turning

CBH-M微調精密外徑鏜頭









型號 Specification	鏜外徑Φd Turning range	基礎架 Bridge frame	DCK側固螺釘 Side-lock screw	鏜頭 Boring head	平衡塊 Balance weight	刀片座 Insert holder	刀片 Insert	鏜孔範圍 Boring range	重量 weight
DCK6-CBH24-34-M	24-34	DCK6-2454-42 幹涉範圍114	M120Z200-30P-D	CBH32-60	DCK3-CBH	CBH3-3	TPGH0802	134-144	1.60
DCK6-CBH34-44-M	34-44			CBH32-60	DCK3-CBH	CBH3-2	TPGH0802	125-135	1.60
DCK6-CBH44-54-M	44-54			CBH32-60	DCK3-CBH	CBH3-1	TPGH0802	116-126	1.60
DCK6-CBH52-62-M	52-62	DCK6-5282-42 幹涉範圍142	M120Z200-30P-D	CBH32-60	DCK3-CBH	CBH3-3	TPGH0802	162-172	1.80
DCK6-CBH62-72-M	62-72			CBH32-60	DCK3-CBH	CBH3-2	TPGH0802	153-163	1.80
DCK6-CBH72-82-M	72-82			CBH32-60	DCK3-CBH	CBH3-1	TPGH0802	144-154	1.80
DCK6-CBH80-90-M	80-90	DCK6-80110-42 幹涉範圍170	M120Z200-30P-D	CBH32-60	DCK3-CBH	CBH3-3	TPGH0802	190-200	2.00
DCK6-CBH90-100-M	90-100			CBH32-60	DCK3-CBH	CBH3-2	TPGH0802	181-191	2.00
DCK6-CBH100-110-M	100-110			CBH32-60	DCK3-CBH	CBH3-1	TPGH0802	172-182	2.00

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

注意：1.CBH鏜頭上附帶1衹刀片座，但不附帶刀片，請另外訂購。 2.加工時，主軸應反轉。
Notice:1.CBH boring head only provides one insert holder, without insert, please order it separately. 2.Anti-clockwise spindle rotation required.

特 點 / Feature

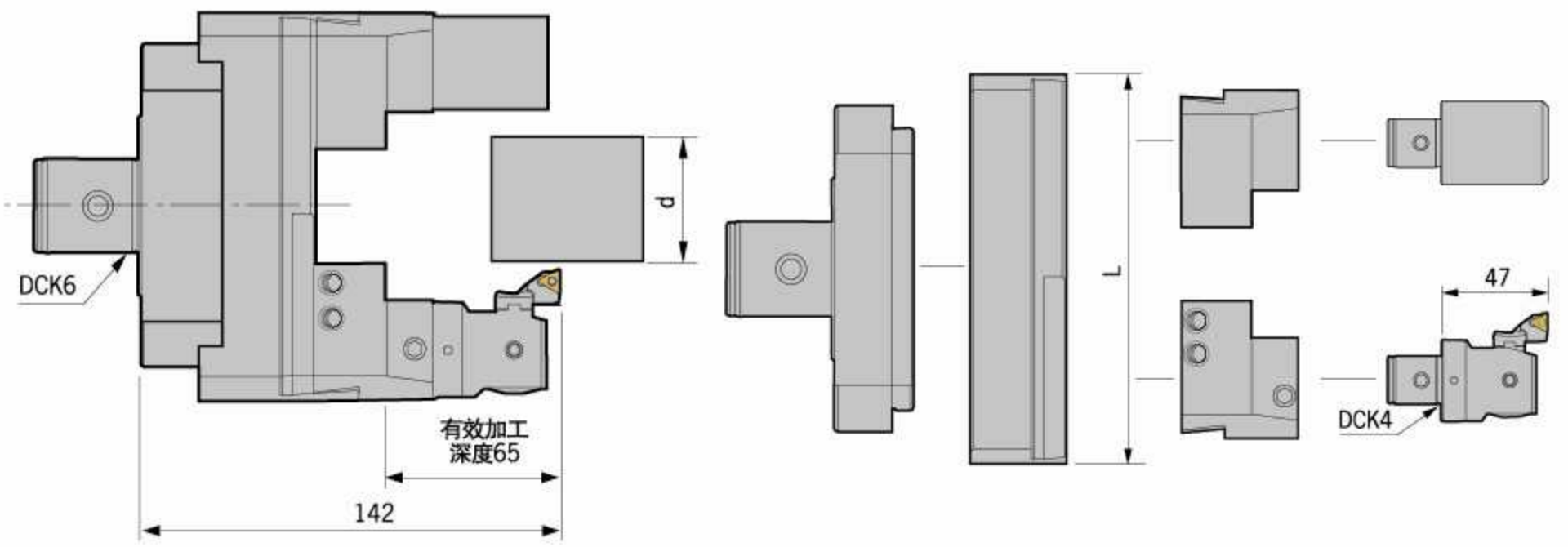
■CBH鏜頭反向裝可以進行鏜孔加工。
■加工範圍Φ116-Φ200。
■CBH boring head loaded reverse, direction can process boring machining.
■Machining rangeΦ116-Φ200.

CBH-L Modular Adapter For Pin Turning

CBH-L微調精密外徑鏜頭







型號 Specification	鏜外徑Φd Turning range	連接盤 Flange adapter	橫向滑板 Extention bridge	L	滑塊 Balance weight	鏜頭 Boring head	鏜孔範圍 Boring range	鏜孔深度 Boring depth	平衡塊 Finish head	重量 weight
DCK6-CBH13-115-L	13-115	DCK6-FL200	DCK6-DST200	180	DCK4-CB200	CBH41-74 刀片座4-1 刀片TCMT1102 TPGH110304	108-192	75，Φ＜180	DCK4-CBH	9.19
DCK6-CBH112-215-L	112-215	DCK6-FL200	DCK6-DST300	280	DCK4-CB200		108-292	75，Φ＜280	DCK4-CBH	11.22
DCK6-CBH212-315-L	212-315	DCK6-FL200	DCK6-DST400	380	DCK4-CB200		108-392	75，Φ＜380	DCK4-CBH	13.12
DCK6-CBH312-415-L	312-415	DCK6-FL200	DCK6-DST500	480	DCK4-CB200		108-492	75，Φ＜480	DCK4-CBH	15.02
DCK6-CBH412-515-L	412-515	DCK6-FL200	DCK6-DST600	580	DCK4-CB200		108-592	75，Φ＜580	DCK4-CBH	16.92
DCK6-CBH512-615-L	512-615	DCK6-FL200	DCK6-DST700	680	DCK4-CB200		108-692	75，Φ＜680	DCK4-CBH	18.90
DCK6-CBH612-715-L	612-715	DCK6-FL200	DCK6-DST800	780	DCK4-CB200		108-792	75，Φ＜780	DCK4-CBH	20.80

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

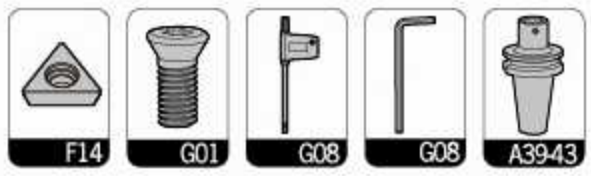
滑塊緊固螺釘:M080U100-D

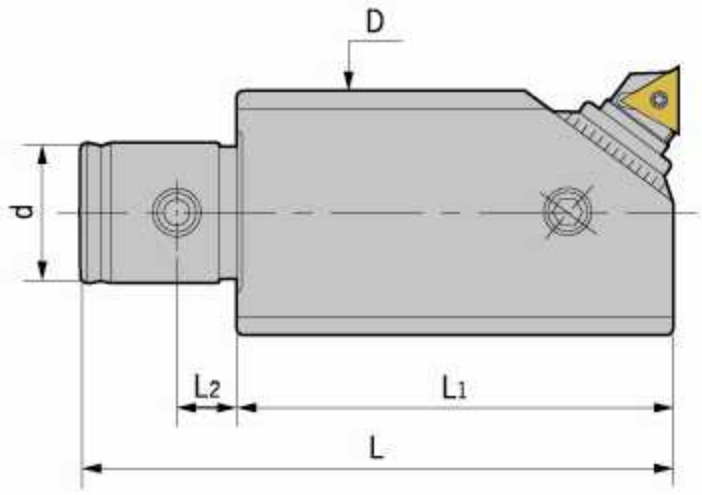
注意：1.CBH鏜頭上附帶1衹刀片座(CBH4-1)，但不附帶刀片，請另外訂購。2.加工時，主軸應反轉。
Notice:1.CBH boring head only provides one insert holder(CBH4-1), insert, please order it separately. 2.Anti-clockwise spindle rotation required.

DCK-DYD Cartridge Boring Head

DCK-DYD微調精密鏜頭







斜置安裝型 Inclined Mounting Type

型號 Specification	D	d	L1	L2	L	鏜孔範圍 Boring range	組合刀柄 Adapter size	組合鏜頭 Insert holder	刀片型號 Insert	側面鎖緊螺釘 Locking screw	L型扳手 Key	重量 Weight
DCK1-DYD19-22	18	11	35	4.65	51	19-22.5	DCK1	M2-DYD19	TBGH0601	M040U040-D	L02	0.10
DCK1-DYD22-29	20	11	35	4.65	51	22-29.5	DCK1	M2-DYD22	TBGH0601	M040U050-D	L02	0.11
DCK2-DYD29-41	25	14	45	62	61	29-41	DCK2	M3-DYD29	TBGH0601	M040U060-D	L02	0.17
DCK3-DYD38-50	35	18	70	7.5	90	38-50	DCK3	M5-DYD38	TPGH1103	M050U060-D	L025	0.50
DCK4-DYD48-65	41	22	60	9.5	86	48-65	DCK4	M5-DYD48	TPGH1103	M060U120-D	L03	0.70
DCK5-DYD62-90	54	28	80	12.4	110	62-90	DCK5	M7-DYD62	TPGH1603	M080U160-D	L04	1.37
DCK6-DYD82-110	67	36	110	15	150	82-110	DCK6	M7-DYD82	TPGH1603	M080U200-D	L04	3.20
DCK6-DYD105-140	84	36	130	15	170	105-140	DCK6	M9-DYD105	TPGH1603	M080U200-D	L04	4.53
DCK6-DYD135-175	98	36	140	15	180	135-175	DCK6	M9-DYD135	TPGH1603	M080U200-D	L04	5.61

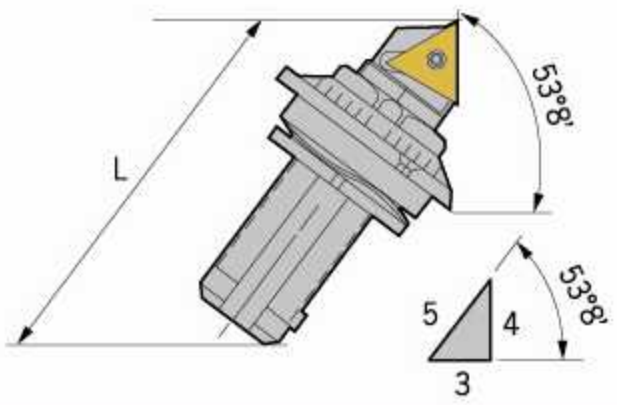
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

Insert Holder For DCK-DYD Cartridge Boring Head

DCK-DYD微調精密鏜頭微調器







規格 Specification	L	鏜孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
M2-DYD19	20.7	19-22.5	TBGH0601	M020W040	Q06	0.01
M2-DYD22	23.5	22-29.5	TBGH0601	M020W040	Q06	0.01
M3-DYD29	31.0	29-41	TBGH0601	M020W040	Q06	0.03
M5-DYD38	40.0	38-50	TPGH1103	M030W070	Q08	0.04
M5-DYD48	47.7	48-65	TPGH1103	M030W070	Q08	0.05
M7-DYD62	63.5	62-90	TPGH1603	M040W090	Q15	0.18
M7-DYD82	84	82-110	TPGH1603	M040W090	Q15	0.21
M9-DYD105	110	105-140	TPGH1603	M040W090	Q15	0.47
M9-DYD135	136	135-175	TPGH1603	M040W090	Q15	0.57

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

特 點 / Feature

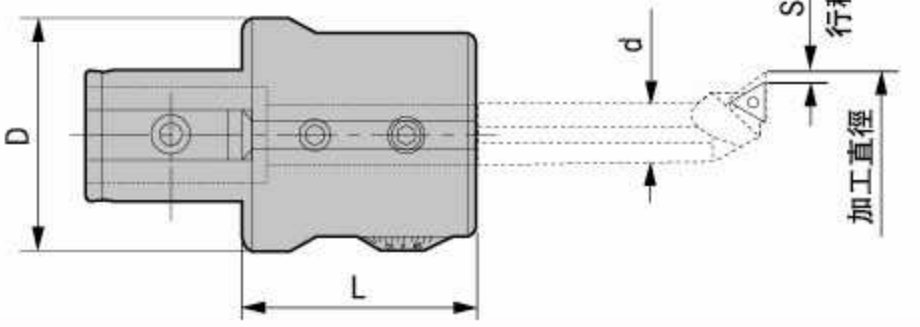
■微調單位每格調整尺寸爲直徑0.02mm。 ■Dial precision: 0.02mm on diameter.

DBJ10/16 Micro-boring Head

DBJ10/16微調精密鏜頭







型號 Specification	D	d	L	微調行程 S Micro distance	微調精度(直徑) Dial precision	鏜孔範圍 Boring range	組合刀柄 Adapter size	微調鎖緊螺釘 Adjusting screw	刀杆固定螺釘 Locking screw	T型扳手 Wrench	重量 Weight
DBJ10	42	10	45	2	0.01	8-22	DCK4	M080U050-D	M080U100-D	T04	0.50
DBJ16	63	16	50	6	0.01	8-50	DCK6	M100U100-D	M100U140-D	T05	1.14

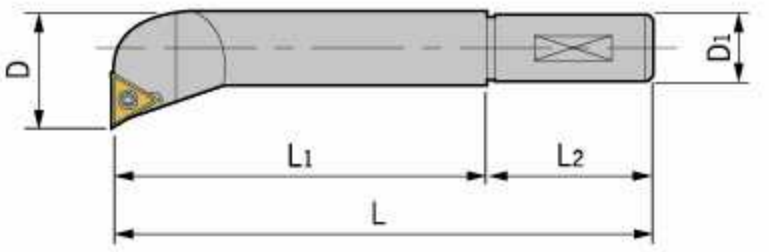
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

DBJ10/16 Micro-boring Bar

DBJ10/16微調鏜頭刀杆







型號 Specification	D	D1	L1	L2	L	鏜孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
DBJ 1008-32	8	10	32	32	64	8-12	TBGH0601L	M020W040	Q06	0.04
1010-40	10	10	40	32	72	10-14	TBGH0601L	M020W040	Q06	0.05
1012-45	12	10	45	32	77	12-16	TPGH0902L	M025W060	Q08	0.06
1016-45	16	10	45	32	77	16-20	TPGH0902L	M025W060	Q08	0.08
1020-45	20	10	45	32	77	20-24	TPGH0902L	M025W060	Q08	0.11
DBJ 1608-32	8	16	32	32	64	8-11	TBGH0601L	M020W040	Q06	0.07
1610-40	10	16	40	32	72	10-13	TBGH0601L	M020W040	Q06	0.07
1612-53	12	16	53	32	85	12-17	TPGH0902L	M025W060	Q08	0.09
1616-68	16	16	68	32	115	16-21	TPGH0902L	M025W060	Q08	0.13
1620-83	20	16	83	32	118	20-26	TPGH1103L	M030W070	Q08	0.20
1625-90	25	16	90	32	122	25-32	TPGH1103L	M030W070	Q08	0.25
1630-90	30	16	90	32	122	30-42	TPGH1103L	M030W070	Q08	0.25
1640-90	40	16	90	32	122	40-50	TPGH1103L	M030W070	Q08	0.26

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

DBJ16 Micro-boring Tool Kit

DBJ16微調精鏜套裝組合

	型號 Specification	
（八支套裝）DBJ-16-8PCS	DBJ1608-32	DBJ1620-83
	DBJ1610-40	DBJ1625-90
	DBJ1612-53	DBJ1630-90
	DBJ1616-68	DBJ1640-90

型號 Specification	鏜孔範圍 Boring range	重量 Weight	內附零件 Items
BT40-DBJ16-8PCS	8-50	3.68	1.DCK刀柄一把 One DCK boring adapter 2.DBJ16精密鏜頭一支 One micro boring head DBJ16 3.DBJ16精鏜刀杆八支Eight micro boring bars DBJ16 4.扳手四支 Four wrenches
BT50-DBJ16-8PCS	8-50	6.74	

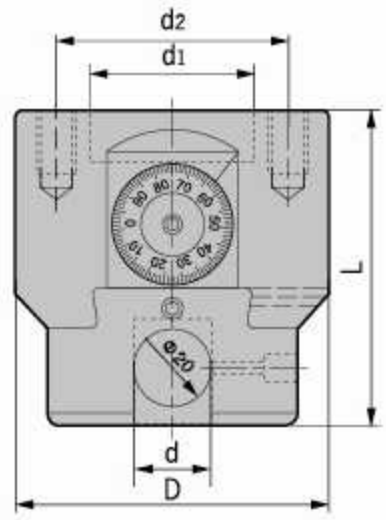


NBH2084 Micro-boring Head

NBH2084微調精密鏜頭







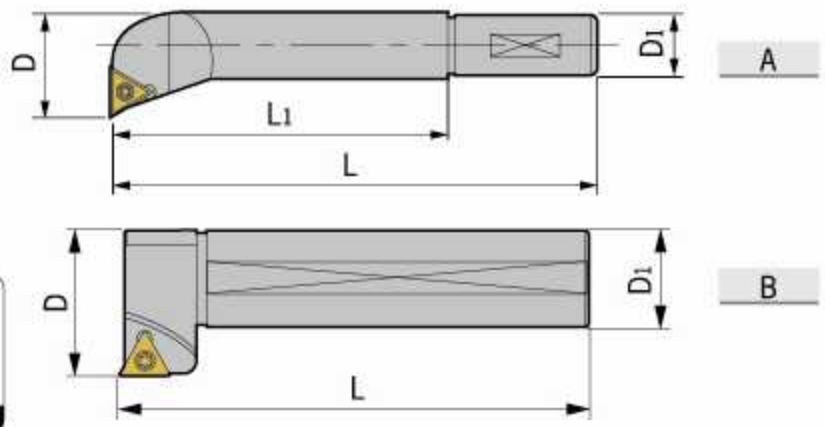
型號 Specification	D	d	d1	d2	L	鏜孔範圍 Boring range	微調行程 Micro distance	微調精度(直徑) Dial precision	組合刀柄 Adapter size	重量 Weight
NBH2084	84	20	35	60	80	8-280配合鏜刀杆	28	0.01	NBH-A.B	2.74
						微調鎖緊螺釘 Adjusting screw	T型扳手 Wrench	刀杆固定螺釘 Locking screw	T型扳手 Wrench	
						M080U120-D	T04	M120U140-D	T06	

DBJ20 Micro-Boring Bar

DBJ20微調精密鏜頭刀杆







型號 Specification	圖示 Figure	D	D1	L1	L	鏜孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
DBJ 2008-32	A	8	20	32	74	8-11	TBGH0601L	M020W040	Q06	0.09
2010-40	A	10	20	40	75	10-13	TBGH0601L	M020W040	Q06	0.10
2012-53	A	12	20	53	88	12-17	TPGH0902L	M025W060	Q08	0.12
2016-68	A	16	20	68	103	16-21	TPGH0902L	M025W060	Q08	0.16
2020-83	A	20	20	83	115	20-26	TPGH1103L	M030W070	Q08	0.22
2025-96	A	25	20	96	131	25-135	TPGH1103L	M030W070	Q08	0.35
2030-115	A	30	20	115	159	30-140	TPGH1103L	M030W070	Q08	0.52
20120-97	B	30	20	-	97	120-280	TPGH1103L	M030W070	Q08	0.25

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

NBH2084 Micro-Boring Tool Kit

NBH2084微調精鏜套裝組合

（八支套裝） DBJ-20-8PCS	型號 Specification			
	DBJ2008-32	DBJ2012-53	DBJ2020-83	DBJ2030-115
	DBJ2010-40	DBJ2016-68	DBJ2025-96	DBJ20120-97

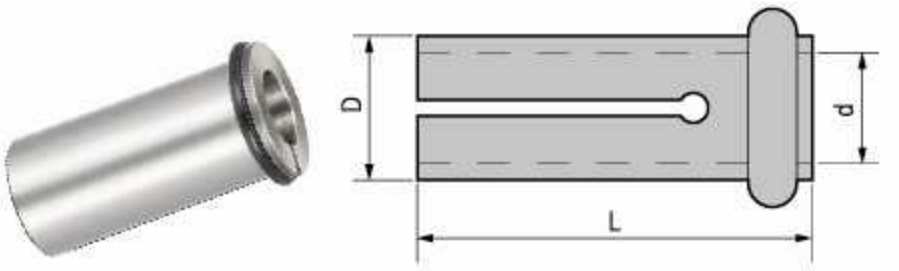
型號 Specification	鏜孔範圍 Boring range	重量 Weight	內附零件 Items
BT40-NBH2084-8PCS	8-280	6.44	1.NBH2084-A刀柄一把 One DCK boring adapter 2.NBH2084精密鏜頭一支 One micro boring head NBH2084 3.DBJ20精鏜刀杆八支 Eight micro boring bars DBJ20 4.扳手四支 Four wrenches
BT50-NBH2084-8PCS	8-280	8.89	



DBJ Collet For Solid Carbide Boring Bar

DBJ鎢鋼刀杆專用筒夾

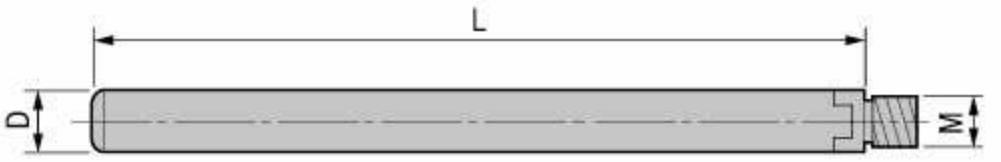
型號 Specification		D	d	L	組合鎢鋼刀杆 Carbide bar
DBJ	16-8	16	8	37	DT08-M5-★
	16-10	16	10	37	DT10-M6-★
	16-12	16	12	37	DT12-M6-★



DT Solid Carbide Boring Holder

DT抗振鎢鋼刀杆





型號 Specification		D	L	M	組合鏜頭 Insert holder	組合筒夾 Collect	重量 Weight
DT	08-M5-115	8	115	M5	DEB09,DEB10.5	DBJ16-8	0.05
	10-M6-115	10	115	M6	DEB12	DBJ16-10	0.13
	10-M6-135	10	135	M6	DEB12	DBJ16-10	0.15
	10-M6-160	10	160	M6	DEB12	DBJ16-10	0.18
	12-M6-135	12	135	M6	DEB14,DEB16	DBJ16-12	0.20
	12-M6-165	12	165	M6	DEB14,DEB16	DBJ16-12	0.25
	16-M10-105	16	105	M10	DEB18,DEB20,DEB22,DEB24,DEB26,DEB28,	-	0.35
	16-M10-140	16	140	M10	DEB30,DEB32,DEB34,DEB36,DEB38,DEB40,	-	0.43
	16-M10-180	16	180	M10	DEB42,DEB44,DEB46,DEB48,DEB50	-	0.67

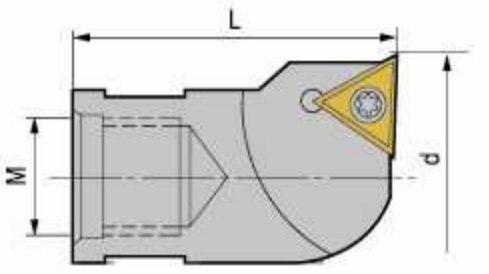
鏜孔深度不得超過孔徑六倍　boring depth ≤ 6XD.

DEB Insert Holder

DEB拾弃式鏜頭







型號 Specification		d	L	M	鏜孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
DEB	09	9	18	M5	9-10.5	TPGH080202	M022W050	Q06	0.03
	10.5	10.5	18	M5	10.5-12	TPGH080202	M022W050	Q06	0.03
	12	12	23	M6	12-14	TPGH080202	M022W050	Q06	0.03
	14	14	23	M6	14-16	TPGH080202	M022W050	Q06	0.03
	16	16	23	M6	16-18	TPGH080202	M022W050	Q06	0.04
	18	18	27	M10	18-20	TPGH080202	M022W050	Q06	0.04
	20	20	27	M10	20-22	TPGH080202	M022W050	Q06	0.05
	22	22	27	M10	22-24	TPGH080202	M022W050	Q06	0.05
	24	24	27	M10	24-26	TPGH080202	M022W050	Q06	0.05
	26	26	27	M10	26-28	TPGH080202	M022W050	Q06	0.05
	28	28	27	M10	28-30	TPGH080202	M022W050	Q06	0.06
	30	30	27	M10	30-32	TPGH080202	M022W050	Q06	0.06
	32	32	27	M10	32-34	TPGH080202	M022W050	Q06	0.07
	34	34	27	M10	34-36	TPGH080202	M022W050	Q06	0.09
	36	36	27	M10	36-38	TPGH080202	M022W050	Q06	0.11
	38	38	27	M10	38-40	TPGH080202	M022W050	Q06	0.15
	40	40	27	M10	40-42	TPGH080202	M022W050	Q06	0.16
	42	42	27	M10	42-44	TPGH080202	M022W050	Q06	0.19
	44	44	27	M10	44-46	TPGH080202	M022W050	Q06	0.22
	46	46	27	M10	46-48	TPGH080202	M022W050	Q06	0.26
	48	48	27	M10	48-50	TPGH080202	M022W050	Q06	0.30
	50	50	27	M10	50-52	TPGH080202	M022W050	Q06	0.34

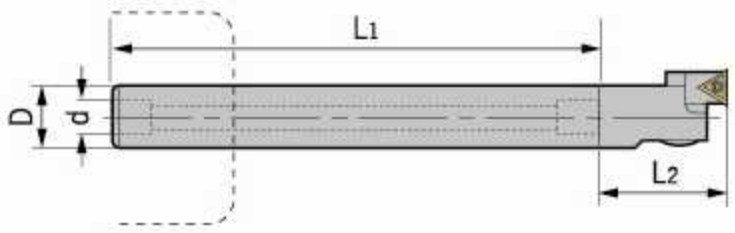
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

SCB Solid Carbide Boring Holder

SCB超硬整體碳化鎢鋼鏜刀杆







型號 Specification	D	d	L1	L2	組合鏜頭 Modular boring	加工直徑 Lengthen dia.	重量 Weight
SCB-C19-DCK1-150	19	11	150	32.5	CBH20-36	20-36	0.50
C19-DCK1-200	19	11	200	32.5			0.70
C19-DCK1-250	19	11	250	32.5			0.90
C24-DCK2-200	24	14	200	35.5	FBH25、CBH25-47	29-38/25-47	1.00
C24-DCK2-250	24	14	250	35.5			1.20
C24-DCK2-300	24	14	300	35.5			1.50
C31-DCK3-250	31	18	250	40	FBH32、CBH32-60	36-52/32-60	1.80
C31-DCK3-300	31	18	300	40			2.20
C31-DCK3-400	31	18	400	40			3.00

特 點 / Feature

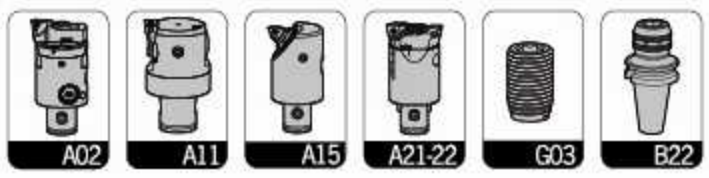
■超硬碳化鎢制鏜刀杆，使用高韌性配方制造，堅韌耐用，實現高硬度、高剛性、高抗震性，可施行超深孔加工（10D）。
■各種規格均有内部水孔，深孔加工時排屑及冷却效果良好。
■直柄結構，加工深度可依加工須求自行調整。
■本體兩端均設有結合孔，如遇一端損壞時，另一端即能配合使用，增加刀杆本身價值，更符合經濟效益。

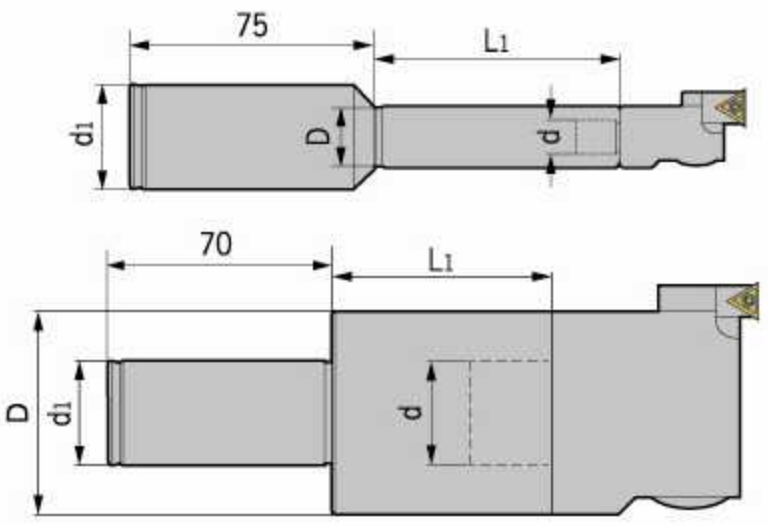
■Super hard tungsten carbide boring bar made of high toughness compound is tough and durable, highly materializing features of super hardness, high rigidity and extra vibration resistance, most suitable for extra depth boring(10D).
■Standard internal coolant hole is built in every size of the bar, best for cooling and chip evacuation in deep hole boring.
■Featuring straight shank structure, the bar can be adjusted to different working lengthes.
■On both ends of main body integrated are soldering holes.One hole will be superseded by the other upon breaking. This will reduce your cost and greatly increase the value of boring bar.

SSB-C32 Boring Holder

SSB-C32直柄鏜刀杆







型號 Specification	D	d	d1	L1	組合鏜頭 Boring head	重量 Weight
SSB-C32-DCK1-75	19	11	32	75	CBH20-36、DYD19-22、DYD22-29	0.52
C32-DCK2-70	24	14	32	70	FBH25、CBH25-47、DBH25-33、DYD29-38	0.59
C32-DCK2-120	24	14	32	120		0.85
C32-DCK3-70	31	18	32	70	FBH32、CBH32-60、DBH32-42、DYD38-50	0.73
C32-DCK3-120	31	18	32	120		1.01
C32-DCK4-60	39	22	32	60	FBH40、CBH41-74、DBH40-55、DYD48-65	0.77
C32-DCK4-110	39	22	32	110		1.19
C32-DCK5-60	50	28	32	60	FBH50、CBH53-95、DBH52-70、DYD62-90	1.02
C32-DCK5-120	50	28	32	120		1.89
C32-DCK6-60	64	36	32	60	FBH63、FBH80、CBH68-150、CBH100-203、DBH68-92、DBH90-122、DYD82-110、DYD105-140、DYD135-175	1.42
C32-DCK6-120	64	36	32	120		2.20



ABH Twin-bit Rough Boring Body

ABH雙刃粗鏜刀本體



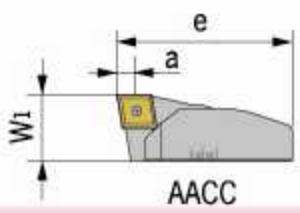
型号 Specification	d	L	刀片座鎖緊螺釘 MA	刀片座鎖緊螺釘 MB	L型扳手 Key	重量 Weight
ABH25	14	40	-	E040U160-D	L03	0.16
ABH32	18	52	E050U100-D	E050U200-D	L04	0.33
ABH40	22	48	E060U120-D	E060U200-D	L05	0.49
ABH50	28	62	E060U120-D	E060U250-D	L05	0.98
ABH63	36	60	E080U160-D	E080U300-D	L06	1.60
ABH80	36	60	E080U160-D	E080U300-D	L06	1.93

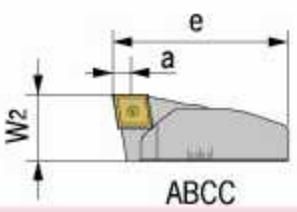
Inserts Holder For ABH Rough Boring Head

ABH粗鏜孔刀座









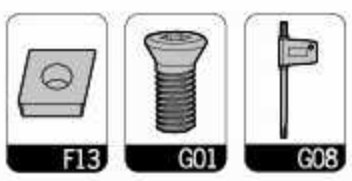
高刃刀座A Insert holder A	高刃刀座B Insert holder B	W1	W2	e	鏜孔量 a	鏜孔範圍 Boring range	組合鏜頭 Adapter head	刀片 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
AACC2936	ABCC2936	11.7	11.5	25	0.5-3	29-36	ABH25	CCMT0602	M025W060	Q08	0.01
AACC3542	ABCC3542	11.7	11.5	30	0.5-3	35-42	ABH25	CCMT0602	M025W060	Q08	0.02
AACC3645	ABCC3645	11.7	11.5	32	0.5-3	36-45	ABH32	CCMT0602	M025W060	Q08	0.02
AACC4453	ABCC4453	11.7	11.5	38	0.5-3	44-53	ABH32	CCMT0602	M025W060	Q08	0.02
AACC4556	ABCC4556	15.6	15.4	40	0.5-4	45-56	ABH40	CCMT09T3	M040S100-1	Q15	0.04
AACC5566	ABCC5566	15.6	15.4	46.5	0.5-4	55-66	ABH40	CCMT09T3	M040S100-1	Q15	0.05
AACC5674	ABCC5674	17.6	17.4	49	0.5-4	56-74	ABH50	CCMT09T3	M040S100-1	Q15	0.06
AACC7492	ABCC7492	17.6	17.4	62	0.5-4	74-92	ABH50	CCMT09T3	M040S100-1	Q15	0.09
AACC7090	ABCC7090	22.6	22.4	60	0.5-5	70-90	ABH63	CCMT1204	M050Y110-1	Q20	0.12
AACC90110	ABCC90110	22.6	22.4	78	0.5-5	90-110	ABH63	CCMT1204	M050Y110-1	Q20	0.18
AACC90130	ABCC90130	22.6	22.4	82	0.5-5	90-130	ABH80	CCMT1204	M050Y110-1	Q20	0.18
AACC130170	ABCC130170	22.6	22.4	99.5	0.5-5	130-170	ABH80	CCMT1204	M050Y110-1	Q20	0.23

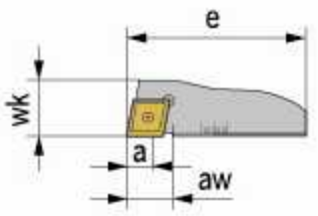
適用 Suitable:德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

Inserts Holder For ABH Rough Back-boring Head

ABH粗鏜孔反鏜刀座







反鏜刀座K Insert holder K	aw	wk	e	鏜孔量 a	鏜孔範圍 Boring range	組合鏜頭 Adapter head	壓板 Clamp	刀片 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
AKCC2936	4	11	25	0.5-3	29-36	ABH25	APR25	CCMT0602	M025W060	Q08	0.01
AKCC3542	7	11	30	0.5-3	35-42	ABH25	APR25	CCMT0602	M025W060	Q08	0.02
AKCC3645	5	11	32	0.5-3	36-45	ABH32	APR32	CCMT0602	M025W060	Q08	0.02
AKCC4453	9	11	38	0.5-3	44-53	ABH32	APR32	CCMT0602	M025W060	Q08	0.02
AKCC4556	5	15	40	0.5-4	45-56	ABH40	APR40	CCMT09T3	M040S100-1	Q15	0.04
AKCC5566	12	15	46.5	0.5-4	55-66	ABH40	APR40	CCMT09T3	M040S100-1	Q15	0.05
AKCC5674	11	17	49	0.5-4	56-74	ABH50	APR50	CCMT09T3	M040S100-1	Q15	0.07
AKCC7492	17	17	62	0.5-4	74-92	ABH50	APR50	CCMT09T3	M040S100-1	Q15	0.09
AKCC7090	12	21	60	0.5-5	70-90	ABH63	APR63	CCMT1204	M050Y110-1	Q20	0.13
AKCC90110	22	21	78	0.5-5	90-110	ABH63	APR63	CCMT1204	M050Y110-1	Q20	0.18
AKCC90130	24	21.5	82	0.5-5	90-130	ABH80	APR80	CCMT1204	M050Y110-1	Q20	0.18
AKCC130170	24	21.5	102.5	0.5-5	130-170	ABH80	APR80	CCMT1204	M050Y110-1	Q20	0.25

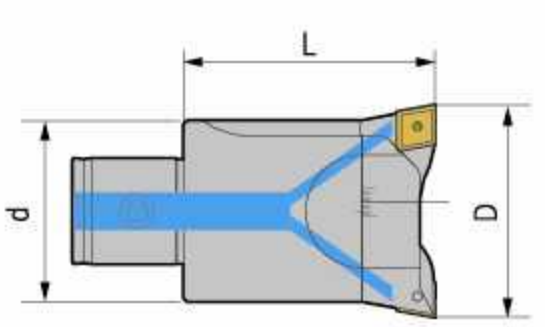
適用 Suitable:德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

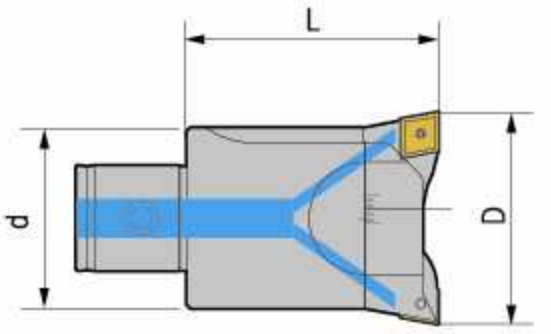
ABH Rough Boring Head

ABH粗鑽頭系統組合









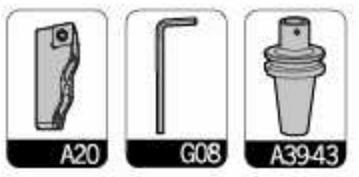
型號 Specification	d	L	鑽孔範圍D Boring range	組合刀柄 Adapter size	刀片座 Insert holder		重量 Weight
DCK2-ABH25-M	25	50	29-36	DCK2	AACC2936	ABCC2936	0.17
DCK2-ABH25-L	25	50	35-42	DCK2	AACC3542	ABCC3542	0.19
DCK3-ABH32-M	32	65	36-45	DCK3	AACC3645	ABCC3645	0.37
DCK3-ABH32-L	32	65	44-53	DCK3	AACC4453	ABCC4453	0.37
DCK4-ABH40-M	40	63	45-56	DCK4	AACC4556	ABCC4556	0.56
DCK4-ABH40-L	40	63	55-66	DCK4	AACC5566	ABCC5566	0.58
DCK5-ABH50-M	50	80	56-74	DCK5	AACC5674	ABCC5674	1.10
DCK5-ABH50-L	50	80	74-92	DCK5	AACC7492	ABCC7492	1.14
DCK6-ABH63-M	64	82	70-90	DCK6	AACC7090	ABCC7090	1.78
DCK6-ABH63-L	64	82	90-110	DCK6	AACC90110	ABCC90110	1.90
DCK6-ABH80-M	80	82	90-130	DCK6	AACC90130	ABCC90130	2.30
DCK6-ABH80-L	80	82	130-170	DCK6	AACC130170	ABCC130170	2.44

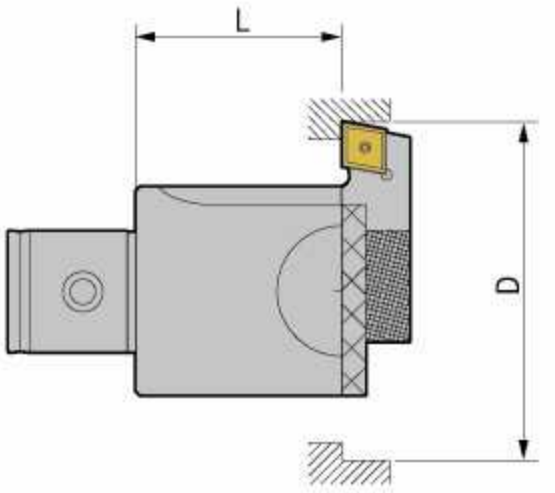
備注：使用錯齒式加工詳見A55頁“加工方法”
For stepped cutting, please refer to Page A55

ABH Rough Back-boring Head

ABH粗鑽頭系統反鑽組合









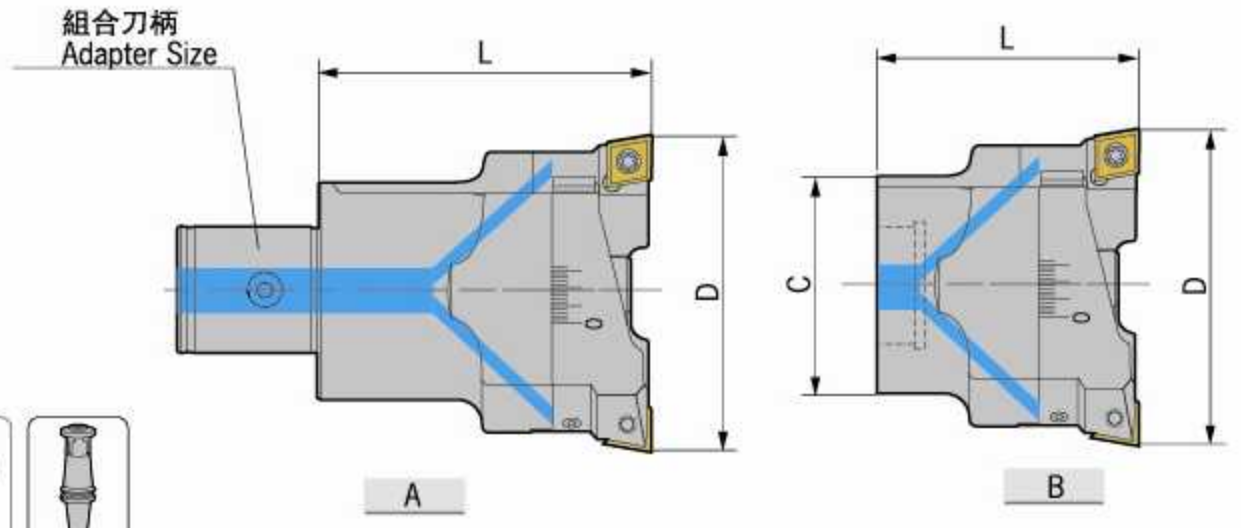
型號 Specification	D	L	鑽孔範圍D Boring range	組合刀柄 Adapter size	反鑽專用刀片座 Insert holder	反鑽專用壓板 Clamp	重量 Weight
DCK2-ABH25-MF	25	50	29-36	DCK2	AKCC2936	APR25	0.17
DCK2-ABH25-LF	25	50	35-42	DCK2	AKCC3542	APR25	0.18
DCK3-ABH32-MF	32	63	36-45	DCK3	AKCC3645	APR32	0.36
DCK3-ABH32-LF	32	63	44-53	DCK3	AKCC4453	APR32	0.36
DCK4-ABH40-MF	40	63	45-56	DCK4	AKCC4556	APR40	0.54
DCK4-ABH40-LF	40	63	55-66	DCK4	AKCC5566	APR40	0.55
DCK5-ABH50-MF	50	80	56-74	DCK5	AKCC5674	APR50	1.07
DCK5-ABH50-LF	50	80	74-92	DCK5	AKCC7492	APR50	1.09
DCK6-ABH63-MF	64	80	70-90	DCK6	AKCC7090	APR63	1.74
DCK6-ABH63-LF	64	80	90-110	DCK6	AKCC90110	APR63	1.79
DCK6-ABH80-MF	80	80	90-130	DCK6	AKCC90130	APR80	2.23
DCK6-ABH80-LF	80	80	130-170	DCK6	AKCC130170	APR80	2.30

DBH Twin Cutter Rough Boring Head

DBH分體式粗鏜頭







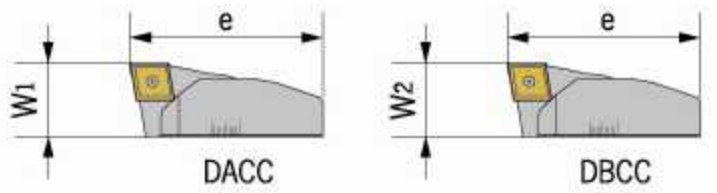
型號 Specification	圖示 Figure	C	L	鏜孔範圍 Boring range D	組合刀柄 Adapter size	刀片座 Insert holder		重量 Weight
DCK2-DBH25-33-C	A	24	45	25-33	DCK2	DACC2533-C	DBCC2533-C	0.12
DCK3-DBH32-42-T	A	31	55	32-42	DCK3	DACC3242-T	DBCC3242-T	0.27
DCK3-DBH32-42-C	A	31	55	32-42	DCK3	DACC3242-C	DBCC3242-C	0.25
DCK4-DBH40-55-T	A	39	65	40-55	DCK4	DACC4055-T	DBCC4055-T	0.49
DCK4-DBH40-55-C	A	39	65	40-55	DCK4	DACC4055-C	DBCC4055-C	0.45
DCK5-DBH52-70-T	A	50	75	52-70	DCK5	DACC5270-T	DBCC5270-T	0.88
DCK5-DBH52-70-C	A	50	75	52-70	DCK5	DACC5270-C	DBCC5270-C	0.88
DCK6-DBH68-92-T	A	64	85	68-92	DCK6	DACC6892-T	DBCC6892-T	1.60
DCK6-DBH68-92-C	A	64	85	68-92	DCK6	DACC6892-C	DBCC6892-C	1.58
DCK6-DBH90-122-T	A	64	100	90-122	DCK6	DACC90122-T	DBCC90122-T	2.43
DCK6-DBH90-122-C	A	64	100	90-122	DCK6	DACC90122-C	DBCC90122-C	2.28
BST-DBH120-164-T	B	95	87	120-164	BST	DACC120164-T	DBCC120164-T	3.90
BST-DBH120-164-C	B	95	87	120-164	BST	DACC120164-C	DBCC120164-C	3.91
BST-DBH160-204-T	B	95	85	160-204	BST	DACC160204-T	DBCC160204-T	4.80
BST-DBH160-204-C	B	95	85	160-204	BST	DACC160204-C	DBCC160204-C	4.96

Inserts Holder For DBH Rough Boring Head

DBH粗鏜孔刀座







高刃刀座A Insert holder A	高刃刀座B Insert holder B	W1	W2	e	鏜孔範圍 Boring range	刀片 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
DACC2533-C	DBCC2533-C	13.2	13.0	20.9	25-33	CCMT0602	M025W060	Q08	0.01
DACC3242-C	DBCC3242-C	16.4	16.2	26.4	32-42	CCMT0602	M025W060	Q08	0.02
DACC4055-C	DBCC4055-C	19.6	19.4	33.0	40-55	CCMT09T3	M040S100-1	Q15	0.04
DACC5270-C	DBCC5270-C	22.6	22.4	44.4	52-70	CCMT09T3	M040S100-1	Q15	0.06
DACC6892-C	DBCC6892-C	27.7	27.5	58.4	68-92	CCMT1204	M050Y110-1	Q20	0.09
DACC90122-C	DBCC90122-C	25.7	25.5	72.9	90-122	CCMT1204	M050Y110-1	Q20	0.12
DACC120164-C	DBCC120164-C	29.7	29.4	106.5	120-164	CCMT1204	M050Y110-1	Q20	0.18
DACC160204-C	DBCC160204-C	29.7	29.4	120.5	160-204	CCMT1204	M050Y110-1	Q20	0.23
DACC3242-T	DBCC3242-T	16.4	16.2	26.4	32-42	TCMT1102	M025W060	Q08	0.02
DACC4055-T	DBCC4055-T	19.4	19.2	33.0	40-55	TCMT1102	M025W060	Q08	0.04
DACC5270-T	DBCC5270-T	22.6	22.4	44.2	52-70	TCMT16T3	M040S100-1	Q15	0.06
DACC6892-T	DBCC6892-T	27.7	27.5	58.4	68-92	TCMT16T3	M040S100-1	Q15	0.09
DACC90122-T	DBCC90122-T	25.7	25.5	72.9	90-122	TCMT2204	M050Y110-1	Q20	0.12
DACC120164-T	DBCC120164-T	29.7	29.4	106.5	120-164	TCMT2204	M050Y110-1	Q20	0.18
DACC160204-T	DBCC160204-T	29.7	29.4	120.5	160-204	TCMT2204	M050Y110-1	Q20	0.23

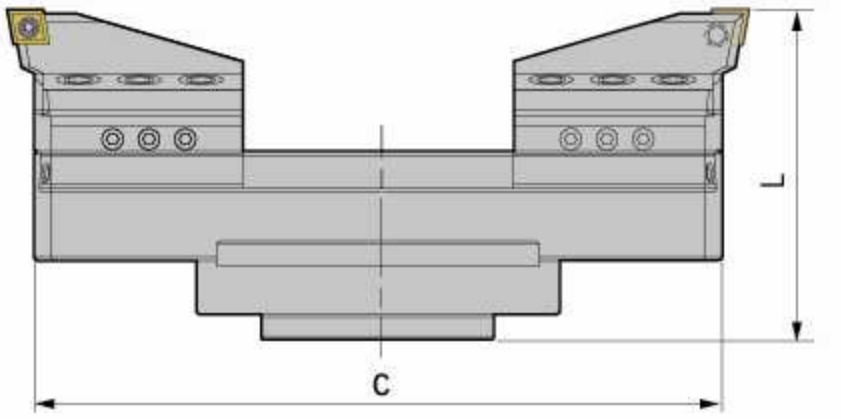
適用 Suitable:德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

DBH Large Diameter Boring Head For Roughing

DBH大徑雙刃粗鏜頭

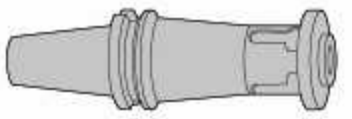
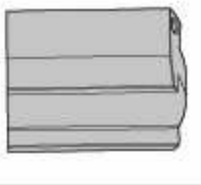
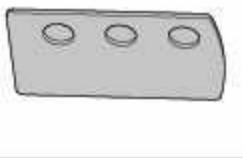
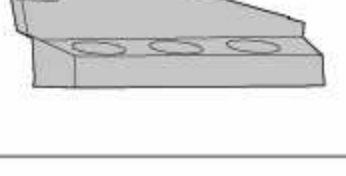






鏜孔範圍Φ200-Φ910mm組合系列 Boring Range From Φ200-Φ910mm

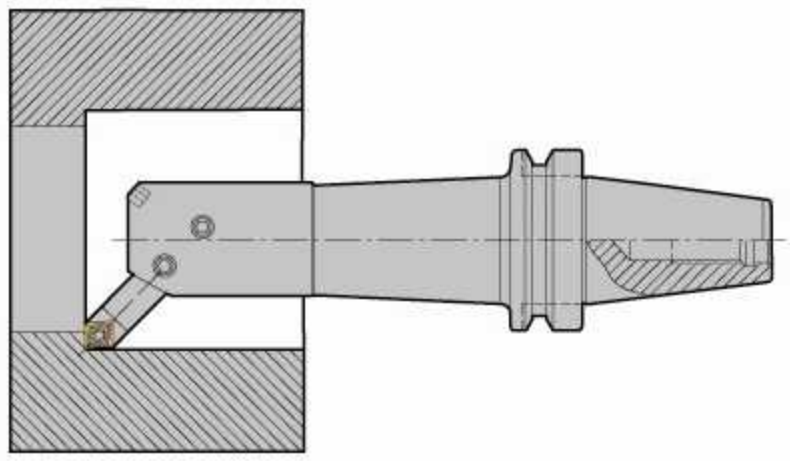
型號 Specification		C	L	鏜孔範圍 Boring range	組合刀柄 Adapter size	刀片型號 Insert	反鏜範圍 B-Boring range	反鏜深度 Work depth	調整螺釘 Adjusting screw	L型扳手 Key	重量 Weight
BST-	DBH200310	180	130	200-310	BST		-	55	M060U500-D	L03	11.40
	DBH300410	280	130	300-410	BST	（選配刀片座）	0-93	55	M060U500-D	L03	13.45
	DBH400510	380	130	400-510	BST	DB200-C12	93-193	55	M060U500-D	L03	15.60
	DBH500610	480	130	500-610	BST	DB200-T16	193-293	55	M060U500-D	L03	17.71
	DBH600710	580	130	600-710	BST	DB200-T22	293-393	55	M060U500-D	L03	19.83
	DBH700810	680	130	700-810	BST	DB200-S12	393-493	55	M060U500-D	L03	21.95
	DBH800910	780	130	800-910	BST		493-593	55	M060U500-D	L03	24.07

組合形式 Modular	型號 Specification	圖示 Figure	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
組合刀柄 Adapter size	BT-BST系列Series SK-BST系列Series				-
連接盤 Flange adapter	BST-FL200				2.7
橫向滑板 Extension bridge	DST200				3.40、1.20（鋁材）
	DST300				5.40、1.85（鋁材）
	DST400				7.40、2.50（鋁材）
	DST500				9.40、3.15（鋁材）
	DST600				11.40、3.80（鋁材）
	DST700				13.40、4.45（鋁材）
	DST800				15.40、5.10（鋁材）
平衡滑塊 Balance weight	DS200				0.98
刀片座墊片 Shim for insert holder	DS201				0.05
刀片座及通用刀片 Insert holder insert	DB200-C12 CCMT1204		M050Y110-1	Q20	0.68
	DB200-T16 TCMT16T3		M040S100-1	Q15	
	DB200-T22 TCMT2204		M050Y110-1	Q20	
	DB200-S12 SCMT1204		M050Y110-1	Q20	

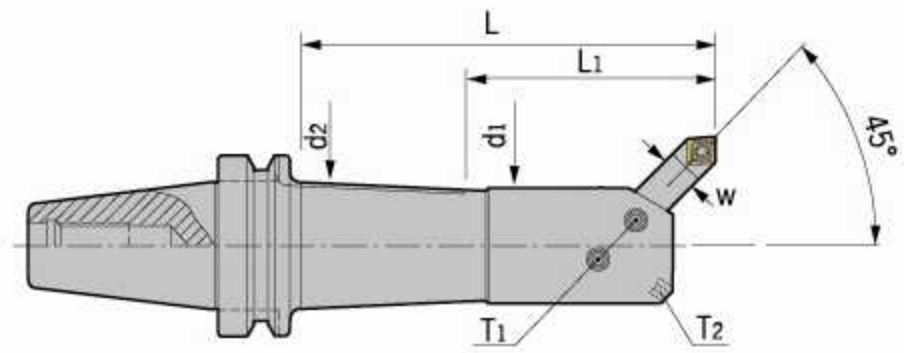
BSA 45° Boring Holder With Square Boring Bit

BSA45度粗鏜孔刀柄









型號 Specification		d1	d2	L1	L	鏜孔範圍 Boring range	W	刀杆鎖緊螺釘 T1		刀杆鎖緊螺釘 T2	重量 Weight
BT40-	BSA25-120	20	22	35	90	25-38	8	M060U060-D	-	-	1.19
	BSA30-150	24	26	40	120	30-42	8	M060U080-D	M060U100-D	-	1.40
	BSA38-165	30	33	50	135	38-52	10	M080U100-D	M080U120-D	-	1.70
	BSA42-165	34	37	50	135	42-56	10	M080U100-D	M080U120-D	-	1.91
	BSA42-210	34	37	50	135	42-56	10	M080U100-D	M080U120-D	-	2.24
	BSA50-165	40	44	65	135	50-65	13	M080U100-D	M080U120-D	M080U160-D	2.24
	BSA62-180	50	56	80	150	62-90	16	M100U120-D	M100U160-D	M100U200-D	3.20
	BSA72-180	60	-	95	150	72-110	19	M100U120-D	M100U200-D	M100U250-D	3.93
	BSA90-180	75	-	-	150	90-125	19	M120U200-D	M120U300-D	-	5.13
BT50-	BSA25-135	20	22	35	92	25-38	8	M060U060-D	-	-	3.90
	BSA30-165	24	26	40	122	30-42	8	M060U080-D	M060U100-D	-	4.07
	BSA38-180	30	33	50	137	38-52	10	M080U100-D	M080U120-D	-	4.39
	BSA42-210	34	37	60	167	42-56	10	M080U100-D	M080U120-D	-	4.86
	BSA50-180	40	44	65	137	50-65	13	M080U100-D	M080U120-D	M080U160-D	5.00
	BSA50-240	40	44	65	197	50-65	13	M080U100-D	M080U120-D	M080U160-D	5.59
	BSA62-195	50	56	80	152	62-90	16	M100U120-D	M100U160-D	M100U200-D	5.93
	BSA62-270	50	56	80	227	62-90	16	M100U120-D	M100U160-D	M100U200-D	6.63
	BSA72-195	60	66	95	152	72-110	19	M100U120-D	M100U200-D	M100U250-D	6.18
	BSA72-285	60	66	95	242	72-110	19	M100U120-D	M100U200-D	M100U250-D	8.92
	BSA90-210	75	80	110	267	90-125	19	M120U200-D	M120U300-D	-	8.88
	BSA90-300	75	80	110	257	90-125	19	M120U200-D	M120U300-D	-	12.14
	BSA105-195	90	-	-	152	105-160	25	M120U200-D	M120U300-D	-	10.60
	BSA105-285	90	94	130	242	105-160	25	M120U200-D	M120U300-D	-	14.00

特 點 / Feature

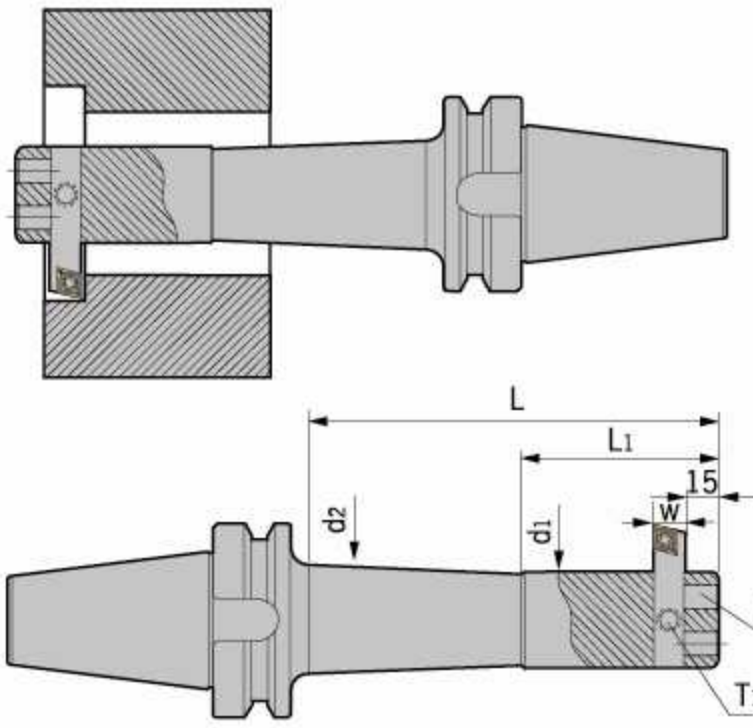
■可選用四角形熔焊刀具或捨弃式刀具。
■鏜盲孔專用。

■We can also choose 4 corner joining cutter or indexable cutting tools.
■For blind holes only.

BSB 90° Boring Holder With Square Boring Bit

BSB90度粗鏜孔刀柄







型號 Specification		d1	d2	L1	L	鏜孔範圍 Boring range	W	刀杆鎖緊螺釘 T1	刀杆鎖緊螺釘 T2	重量 Weight
BT40-	BSB25-120	20	22	35	90	25-52	8	M060U060-D	M060U120-D	1.21
	BSB38-150	30	33	55	120	38-70	10	M080U100-D	M080U120-D	1.73
	BSB50-165	40	44	70	135	50-90	13	M100U120-D	M100U120-D	2.45
	BSB62-180	50	56	80	150	62-115	16	M100U120-D	M100U160-D	3.56
	BSB90-180	75	-	-	150	90-150	19	M120U120-D	M120U250-D	6.30
BT50-	BSB25-135	20	22	35	92	25-52	8	M060U060-D	M060U120-D	3.95
	BSB38-180	30	33	55	137	38-70	10	M080U100-D	M080U120-D	4.51
	BSB50-180	40	44	70	137	50-90	13	M100U120-D	M100U120-D	5.21
	BSB50-240	40	44	70	197	50-90	13	M100U120-D	M100U120-D	5.82
	BSB62-195	50	56	80	152	62-115	16	M100U120-D	M100U160-D	6.33
	BSB62-270	50	56	80	227	62-115	16	M100U120-D	M100U160-D	7.61
	BSB72-195	60	66	95	152	72-135	19	M120U120-D	M120U200-D	7.40
	BSB72-285	60	66	95	242	72-135	19	M120U120-D	M120U200-D	9.37
	BSB90-210	75	80	115	167	90-150	19	M120U120-D	M120U250-D	9.97
	BSB90-300	75	80	115	257	90-150	19	M120U120-D	M120U250-D	13.24
	BSB105-195	90	-	-	152	105-190	25	M120U120-D	M120U300-D	11.66
	BSB105-285	90	94	135	242	105-190	25	M120U120-D	M120U300-D	16.29

特 點 / Feature

■適用于孔徑凹凸不平，毛坯粗糙之加工物。
■適用通孔，背鏜加工。

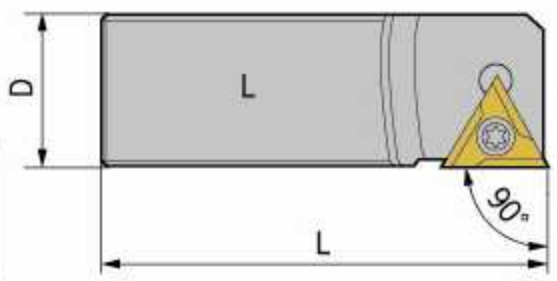
■Suitable for rough boring holes and work pieces.
■For through holes only.

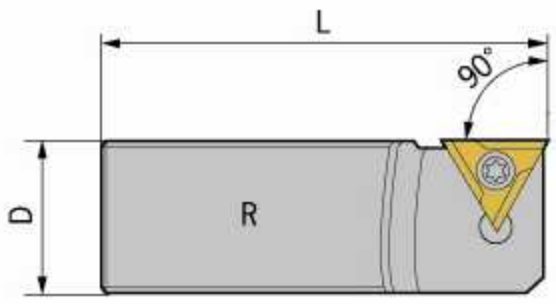
TBS Square Boring Bit

TBS捨弃式鏜孔刀杆









T90度刀杆適用于BSB刀柄 For BSB Boring Holder

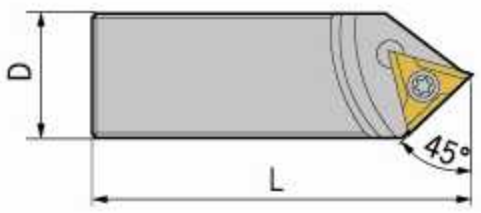
型號 Specification		D	L	鏜孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
TBS	910-36-L/R	10	36	38-50	TPGH0902	M025W060	Q08	0.05
	910-45-L/R	10	45	50-70	TPGH0902	M025W060	Q08	0.05
	913-48-L/R	13	48	50-70	TPGH1103	M030W070	Q08	0.08
	913-65-L/R	13	65	70-90	TPGH1103	M030W070	Q08	0.10
	916-60-L/R	16	60	62-90	TPGH1103	M030W070	Q08	0.15
	916-80-L/R	16	80	90-115	TPGH1103	M030W070	Q08	0.20
	919-70-L/R	19	70	72-105	TPGH1603	M035D080-2	Q15	0.22
	919-85-L/R	19	85	90-115	TPGH1603	M035D080-2	Q15	0.25
	919-90-L/R	19	90	105-135	TPGH1603	M035D080-2	Q15	0.27
	919-105-L/R	19	105	115-150	TPGH1603	M035D080-2	Q15	0.30
	925-100-L/R	25	100	105-140	TPGH1603	M035D080-2	Q15	0.50
	925-135-L/R	25	130	140-190	TPGH1603	M035D080-2	Q15	0.65

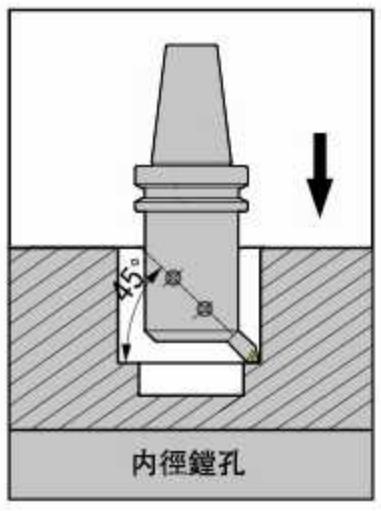
適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

備注：R爲右手刀背鏜專用R:Special for back boring









T45度刀杆適用于BSA刀柄 For BSA Boring Holder

型號 Specification		D	L	鏜孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
TBS	410-45	10	45	38-52	TPGH0902	M025W060	Q08	0.05
	410-50	10	50	42-56	TPGH0902	M025W060	Q08	0.05
	413-60	13	60	50-65	TPGH1103	M030W070	Q08	0.10
	416-75	16	75	62-90	TPGH1103	M030W070	Q08	0.15
	419-90	19	90	72-110	TPGH1603	M035D080-2	Q15	0.25
	419-115	19	115	90-125	TPGH1603	M035D080-2	Q15	0.35
	425-130	25	130	105-160	TPGH1603	M035D080-2	Q15	0.65

適用 Suitable:德克、京瓷或住友刀片 DEREK、KYOCERA Or SUMITOMO Insert

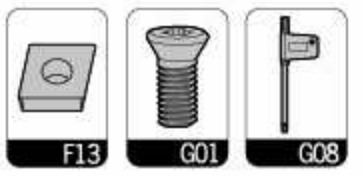
特點 / Feature

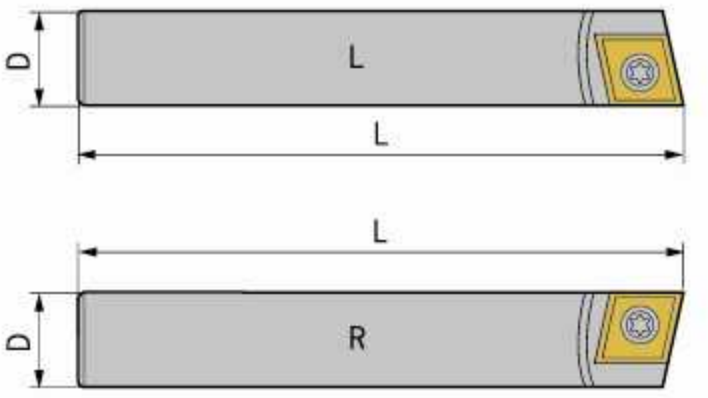
■TBS適合粗加工及中切削加工。 ■For roughing and medium-heavy cutting.

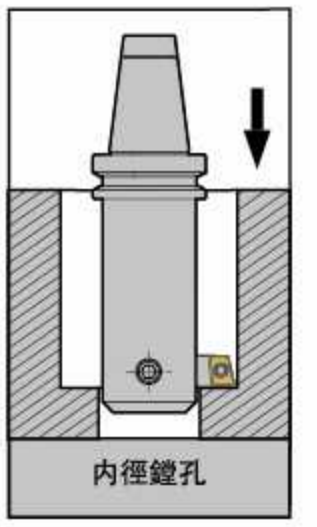
CBS Square Boring Bit

CBS捨弃式鏜孔刀杆









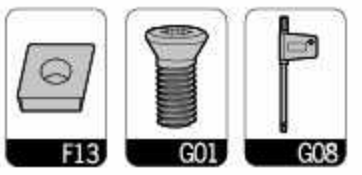
C90度刀杆適用于BSB刀柄 For BSB Boring Holder

型號 Specification		D	L	鏜孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
CBS	908-23-L/R	8	23	25-38	CCMT0602	M025W060	Q08	0.05
	908-30-L/R	8	30	38-52	CCMT0602	M025W060	Q08	0.06
	910-36-L/R	10	36	38-50	CCMT0602	M025W060	Q08	0.07
	910-45-L/R	10	45	50-70	CCMT0602	M025W060	Q08	0.08
	913-48-L/R	13	48	50-70	CCMT09T3	M035D080-2	Q15	0.10
	913-65-L/R	13	65	70-90	CCMT09T3	M035D080-2	Q15	0.12
	916-60-L/R	16	60	62-90	CCMT09T3	M035D080-2	Q15	0.15
	916-80-L/R	16	80	90-115	CCMT09T3	M035D080-2	Q15	0.17
	919-70-L/R	19	70	72-105	CCMT1204	M050Y110-1	Q20	0.20
	919-85-L/R	19	85	90-115	CCMT1204	M050Y110-1	Q20	0.28
	919-90-L/R	19	90	105-135	CCMT1204	M050Y110-1	Q20	0.25
	919-105-L/R	19	105	115-150	CCMT1204	M050Y110-1	Q20	0.30
	925-100-L/R	25	100	105-140	CCMT1204	M050Y110-1	Q20	0.50
	925-135-L/R	25	135	140-190	CCMT1204	M050Y110-1	Q20	0.65

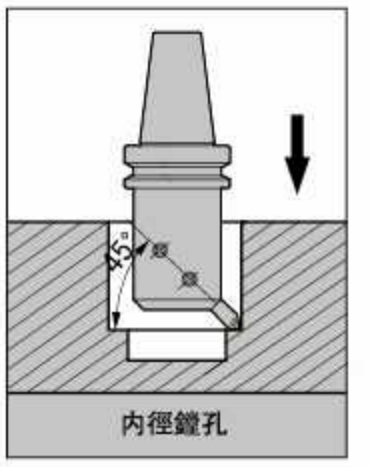
適用 Suitable:德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

備注：R爲右手刀背鏜專用R:Special for back boring









C45度刀杆適用于BSA刀柄 For BSA Boring Holder

型號 Specification		D	L	鏜孔範圍 Boring range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
CBS	408-30	8	30	25-38	CCMT0602	M025W060	Q08	0.05
	408-35	8	35	30-42	CCMT0602	M025W060	Q08	0.06
	410-45	10	45	38-52	CCMT0602	M025W060	Q08	0.07
	410-50	10	50	42-56	CCMT0602	M025W060	Q08	0.08
	413-60	13	60	50-65	CCMT09T3	M035D080-2	Q15	0.10
	416-75	16	75	62-90	CCMT09T3	M035D080-2	Q15	0.20
	419-90	19	90	72-110	CCMT1204	M050Y110-1	Q20	0.25
	419-115	19	115	90-125	CCMT1204	M050Y110-1	Q20	0.30
	425-130	25	130	105-160	CCMT1204	M050Y110-1	Q20	0.60

適用 Suitable:德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

特 點 / Feature

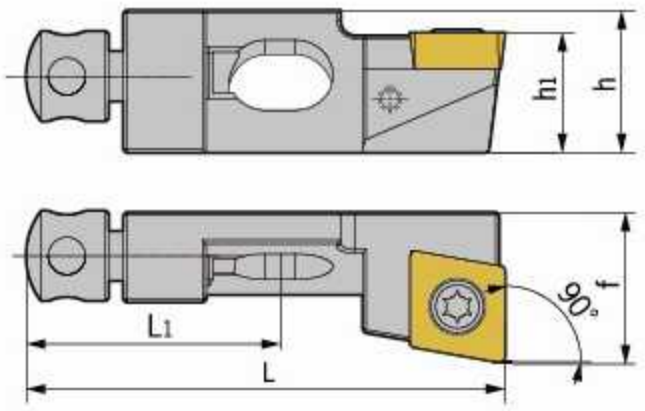
■CBS適合重切削加工。 ■For heavy duty.

Inserts Holder For SFC Rough Boring Head

SFC粗鏜刀座







型號 Specification	D	h1	h	f	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	調整螺釘 Adjusting screw	扳手 Wrench	重量 Weight
SCFCR/L08CA-06	25	8	10	10	17	32	CC**060204	M025W060	M040H120	Q08	0.07
STFCR/L08CA-09	25	8	10	10	17	32	TC**090204	M025W060	M040H120	Q08	0.07
STFCR/L10CA-11	40	10	15	14	20	50	TC**110204	M025W060	M040H120	Q08	0.10
SCFCR/L10CA-09	40	10	15	14	20	50	CC**09T308	M035W080	M050H140	Q15	0.10

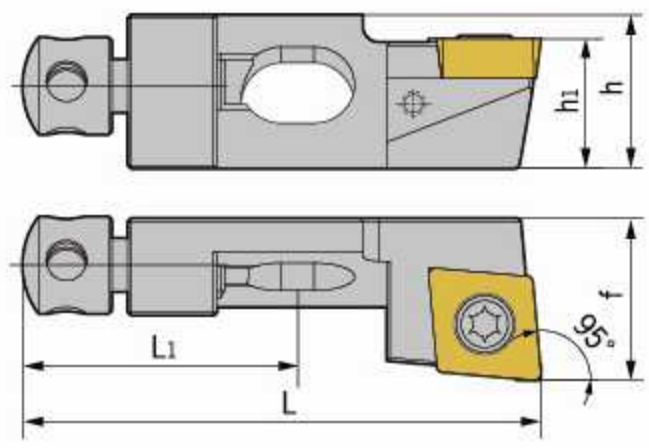
適用 Suitable:德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

Inserts Holder For SLC Rough Boring Head

SLC粗鏜刀座







型號 Specification	D	h1	h	f	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	調整螺釘 Adjusting screw	扳手 Wrench	重量 Weight
SCLCR/L08CA-06	25	8	10	10	17	32	CC**060204	M025W060	M040H120	Q08	0.07
SCLCR/L10CA-09	40	10	15	14	20	50	CC**09T308	M035W080	M050H140	Q15	0.10

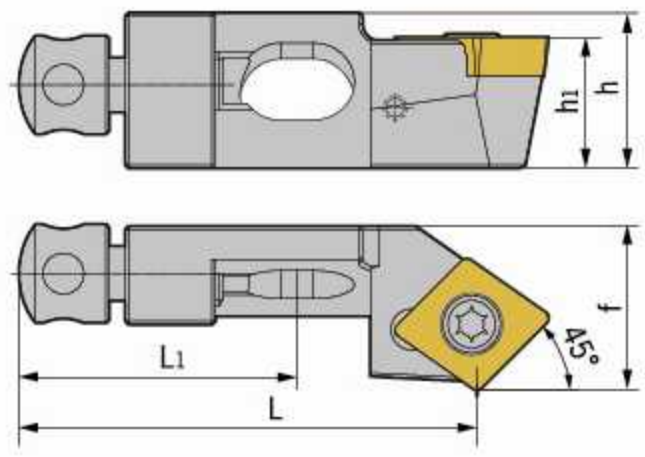
適用 Suitable:德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

Inserts Holder For SSC Rough Boring Head

SSC粗鏜刀座







型號 Specification	D	h1	h	f	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	調整螺釘 Adjusting screw	扳手 Wrench	重量 Weight
SCSCR/L08CA-06	25	8	10	10	17	32	CC**060204	M025W060	M040H120	Q08	0.07
STSCR/L10CA-11	40	10	15	14	20	44	TC**110204	M025W060	M040H120	Q08	0.09
SCSCR/L10CA-09	40	10	15	14	20	44	CC**09T308	M035W080	M050H140	Q15	0.09
STSCR/L12CA-16	50	12	20	20	20	47	TC**16T308	M035W080	M050H140	Q15	0.15

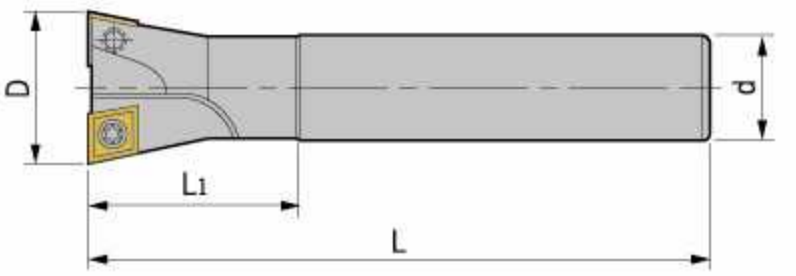
適用 Suitable:德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

SB Twin-Bit Rough Boring Head With Straight Shank

SB雙刃粗鏜刀杆







型號 Specification	刃數 Teeth	D	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
SB-C16-TB16-110	2	15.8	16	60	110	CCMT060204	M025W060	Q08	0.14
C16-TB17-110	2	16.8	16	40	110	CCMT060204	M025W060	Q08	0.15
C16-TB18-110	2	17.8	16	40	110	CCMT060204	M025W060	Q08	0.15
C16-TB19-110	2	18.8	16	40	110	CCMT060204	M025W060	Q08	0.15
C16-TB20-110	2	19.8	16	40	110	CCMT060204	M025W060	Q08	0.16
C20-TB21-120	2	20.8	20	40	120	CCMT060204	M025W060	Q08	0.26
C20-TB22-120	2	21.8	20	40	120	CCMT060204	M025W060	Q08	0.27
C20-TB23-120	2	22.8	20	40	120	CCMT060204	M025W060	Q08	0.27
C20-TB24-120	2	23.8	20	40	120	CCMT060204	M025W060	Q08	0.27
C20-TB25-120	2	24.8	20	40	120	CCMT060204	M025W060	Q08	0.28
C20-TB26-120	2	25.8	20	40	120	CCMT060204	M025W060	Q08	0.28
C20-TB27-120	2	26.8	20	40	120	CCMT060204	M025W060	Q08	0.28
C20-TB28-120	2	27.8	20	40	120	CCMT09T308	M040S100-1	Q15	0.29
C25-TB25-160	2	24.8	25	100	160	CCMT060204	M025W060	Q08	0.53
C25-TB30-160	2	29.8	25	50	160	CCMT09T308	M040S100-1	Q15	0.54
C25-TB30-190	2	29.8	25	50	190	CCMT09T308	M040S100-1	Q15	0.69
C25-TB32-160	2	31.8	25	50	160	CCMT09T308	M040S100-1	Q15	0.58
C25-TB35-160	2	34.8	25	50	160	CCMT09T308	M040S100-1	Q15	0.61
C25-TB37-160	2	36.8	25	50	160	CCMT09T308	M040S100-1	Q15	0.64
C25-TB40-160	2	39.8	25	50	160	CCMT09T308	M040S100-1	Q15	0.64
C32-TB35-230	2	34.8	32	50	230	CCMT09T308	M040S100-1	Q15	1.38
C32-TB40-250	2	39.8	32	50	250	CCMT09T308	M040S100-1	Q15	1.54
C32-TB42-200	2	41.8	32	50	200	CCMT09T308	M040S100-1	Q15	1.24
C32-TB45-200	2	44.8	32	50	200	CCMT09T308	M040S100-1	Q15	1.26
C32-TB47-200	2	46.8	32	50	200	CCMT09T308	M040S100-1	Q15	1.26
C32-TB50-200	2	49.8	32	50	200	CCMT09T308	M040S100-1	Q15	1.32
C42-TB50-220	2	49.8	42	50	220	CCMT09T308	M040S100-1	Q15	1.45
C42-TB52-220	2	51.8	42	50	220	CCMT09T308	M040S100-1	Q15	1.53
C42-TB58-220	2	57.8	42	50	220	CCMT09T308	M040S100-1	Q15	1.61
C42-TB60-220	2	59.8	42	50	220	CCMT09T308	M040S100-1	Q15	1.80

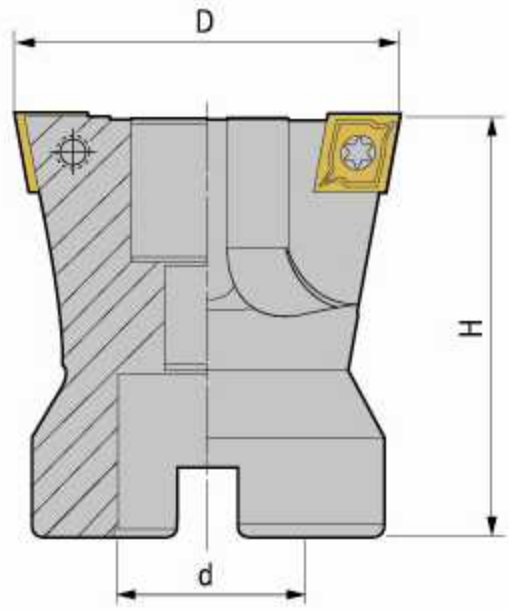
適用 Suitable:德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

MC Face Boring Head

MC固定式雙刃粗鏜頭







型號 Specification	刃數 Teeth	D	d	H	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
MC 22-45	2	44.8	22	50	CCMT09T308	M040S100-1	Q15	0.25
22-50	2	49.8	22	50	CCMT09T308	M040S100-1	Q15	0.30
22-55	2	54.8	22	50	CCMT09T308	M040S100-1	Q15	0.35
22-60	2	59.8	22	50	CCMT09T308	M040S100-1	Q15	0.47
27-65	2	64.8	27	50	CCMT09T308	M040S100-1	Q15	0.60
27-70	2	69.8	27	50	CCMT09T308	M040S100-1	Q15	0.78
27-75	2	74.8	27	50	CCMT09T308	M040S100-1	Q15	0.86
27-80	2	79.8	27	50	CCMT09T308	M040S100-1	Q15	0.94
27-85	2	84.8	27	50	CCMT09T308	M040S100-1	Q15	1.08
27-90	2	89.8	27	50	CCMT09T308	M040S100-1	Q15	1.10
27-95	2	94.8	27	50	CCMT09T308	M040S100-1	Q15	1.16
27-100	2	99.8	27	50	CCMT09T308	M040S100-1	Q15	1.20
32-105	2	104.8	32	63	CCMT09T308	M040S100-1	Q15	1.84
32-110	2	109.8	32	63	CCMT09T308	M040S100-1	Q15	2.13
32-115	2	114.8	32	63	CCMT09T308	M040S100-1	Q15	2.22
32-120	2	119.8	32	63	CCMT09T308	M040S100-1	Q15	2.28
32-125	2	124.8	32	63	CCMT09T308	M040S100-1	Q15	1.72
32-130	2	129.8	32	63	CCMT09T308	M040S100-1	Q15	2.42

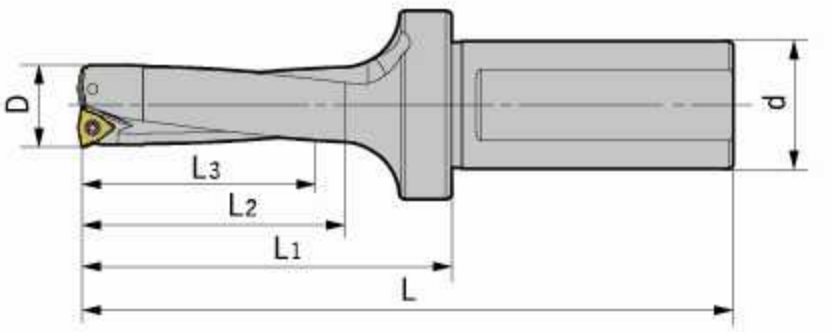
適用 Suitable:德克、三菱或日立刀片 DEREK、MITSUBISHI Or HITACHI Insert

KSD-W Indexable Insert Drill (3xD)

KSD-W捨弃式快速鑽頭（3倍長）







型號 Specification		刃數 Teeth	D	d	L1	L2	L3	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
KSD-	C25-15-127-W	2	15	25	71	50	45	127	WCMX030208	M025W050	Q08B	0.33
	C25-15.5-127-W	2	15.5	25	71	50	45	127	WCMX030208	M025W050	Q08B	0.32
	C25-16-130-W	2	16	25	74	53	48	130	WCMX030208	M025W050	Q08B	0.00
	C25-16.5-130-W	2	16.5	25	74	53	48	130	WCMX030208	M025W050	Q08B	0.34
	C25-17-133-W	2	17	25	77	56	51	133	WCMX030208	M025W060	Q08B	0.34
	C25-17.5-133-W	2	17.5	25	77	56	51	133	WCMX030208	M025W060	Q08B	0.35
	C25-18-137-W	2	18	25	81	59	54	137	WCMX030208	M025W060	Q08B	0.36
	C25-18.5-137-W	2	18.5	25	81	59	54	137	WCMX030208	M025W060	Q08B	0.36
	C25-19-140-W	2	19	25	84	62	57	140	WCMX030208	M025W060	Q08B	0.37
	C25-19.5-140-W	2	19.5	25	84	62	57	140	WCMX030208	M025W060	Q08B	0.37
	C32-20-145-W	2	20	32	85	66	60	145	WCMX040208	M025W060	Q08B	0.57
	C32-20.5-145-W	2	20.5	32	85	66	60	145	WCMX040208	M025W060	Q08B	0.57
	C32-21-148-W	2	21	32	88	67	63	148	WCMX040208	M025W060	Q08B	0.58
	C32-21.5-148-W	2	21.5	32	88	68	63	148	WCMX040208	M025W060	Q08B	0.58
	C32-22-151-W	2	22	32	91	71	66	151	WCMX040208	M025W060	Q08B	0.60
	C32-22.5-151-W	2	22.5	32	91	71	66	151	WCMX040208	M025W060	Q08B	0.59
	C32-23-155-W	2	23	32	95	74	69	155	WCMX040208	M025W060	Q08B	0.61
	C32-23.5-155-W	2	23.5	32	95	74	69	155	WCMX040208	M025W060	Q08B	0.62
	C32-24-159-W	2	24	32	99	78	72	159	WCMX040208	M025W060	Q08B	0.64
	C32-24.5-159-W	2	24.5	32	99	78	72	159	WCMX040208	M025W060	Q08B	0.65
	C32-25-163-W	2	25	32	103	81	75	163	WCMX050308	M030W070	Q08B	0.66
	C32-25.5-163-W	2	25.5	32	103	81	75	163	WCMX050308	M030W070	Q08B	0.66
	C32-26-170-W	2	26	32	110	83	78	170	WCMX050308	M030W070	Q08B	0.70
	C32-26.5-170-W	2	26.5	32	110	84	78	170	WCMX050308	M030W070	Q08B	0.70
	C32-27-173-W	2	27	32	113	86	81	173	WCMX050308	M030W070	Q08B	0.71
	C32-28-177-W	2	28	32	117	89	84	177	WCMX050308	M030W070	Q08B	0.75
	C32-29-180-W	2	29	32	120	92	87	180	WCMX050308	M030W070	Q08B	0.77
	C32-30-185-W	2	30	32	125	96	90	185	WCMX050308	M030W070	Q08B	0.81
	C32-31-189-W	2	31	32	129	99	93	189	WCMT06T308	M035W090	Q15B	0.84
	C32-32-192-W	2	32	32	132	102	96	192	WCMT06T308	M035W090	Q15B	0.88
	C32-33-196-W	2	33	32	136	105	99	196	WCMT06T308	M035W090	Q15B	0.93
	C32-34-199-W	2	34	32	139	108	102	199	WCMT06T308	M035W090	Q15B	0.96
	C32-35-203-W	2	35	32	143	111	105	203	WCMT06T308	M035W090	Q15B	0.95
	C32-36-203-W	2	36	32	143	111	108	203	WCMT06T308	M035W090	Q15B	1.06
	C32-37-210-W	2	37	32	150	117	111	210	WCMT06T308	M035W090	Q15B	1.06
	C32-38-214-W	2	38	32	154	120	114	214	WCMT06T308	M035W090	Q15B	1.06
	C32-39-217-W	2	39	32	157	123	117	217	WCMT06T308	M035W090	Q15B	1.17

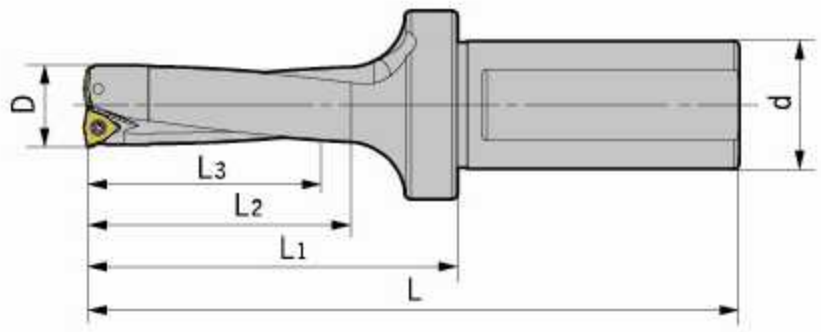
適用 Suitable:德克或住友刀片 DEREK Or SUMITOMO Insert

KSD-W Indexable Insert Drill (3xD)

KSD-W捨弃式快速鑽頭（3倍長）







型號 Specification		刃數 Teeth	D	d	L1	L2	L3	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
KSD-	C40-40-231-W	2	40	40	161	126	120	231	WCMT080412	M040W090	Q15B	1.66
	C40-41-235-W	2	41	40	165	129	123	235	WCMT080412	M040W090	Q15B	1.64
	C40-42-238-W	2	42	40	168	132	126	238	WCMT080412	M040W090	Q15B	1.70
	C40-43-241-W	2	43	40	171	135	129	241	WCMT080412	M040W090	Q15B	1.77
	C40-44-245-W	2	44	40	175	138	132	245	WCMT080412	M040W090	Q15B	1.81
	C40-45-248-W	2	45	40	178	141	135	248	WCMT080412	M040W090	Q15B	1.81
	C40-46-252-W	2	46	40	182	144	138	252	WCMT080412	M040W090	Q15B	1.96
	C40-47-255-W	2	47	40	185	147	141	255	WCMT080412	M040W090	Q15B	2.04
	C40-48-258-W	2	48	40	189	150	144	259	WCMT080412	M040W090	Q15B	2.11
	C40-49-262-W	2	49	40	192	153	147	262	WCMT080412	M040W090	Q15B	2.20
	C40-50-262-W	2	50	40	192	158	150	262	WCMT080412	M040W090	Q15B	2.28
	C40-51-262-W	2	51	40	192	162	153	262	WCMT080412	M040W090	Q15B	2.30
	C40-52-262-W	2	52	40	192	165	156	262	WCMT080412	M040W090	Q15B	2.40
	C40-53-262-W	2	53	40	192	168	159	262	WCMT080412	M040W090	Q15B	2.42
	C40-54-262-W	2	54	40	192	170	162	262	WCMT080412	M040W090	Q15B	2.46
	C40-55-262-W	2	55	40	192	175	165	262	WCMT080412	M040W090	Q15B	2.56
	C40-56-275-W	2	56	40	205	180	168	275	WCMT080412	M040W090	Q15B	2.79
	C40-57-275-W	2	57	40	205	185	171	275	WCMT080412	M040W090	Q15B	2.29
	C40-58-280-W	2	58	40	210	185	174	280	WCMT080412	M040W090	Q15B	2.95
	C40-59-285-W	2	59	40	215	187	177	285	WCMT080412	M040W090	Q15B	3.18
	C40-60-285-W	2	60	40	215	190	180	285	WCMT080412	M040W090	Q15B	3.22
	C40-61-290-W	2	61	40	220	190	183	290	WCMX050308	M030W070	Q08B	3.38
	C40-62-290-W	2	62	40	220	195	186	290	WCMX050308	M030W070	Q08B	3.47
	C40-63-295-W	2	63	40	225	195	189	295	WCMX050308	M030W070	Q08B	3.56
	C40-64-295-W	2	64	40	225	200	192	295	WCMX050308	M030W070	Q08B	3.72
	C40-65-300-W	2	65	40	230	200	195	300	WCMX050308	M030W070	Q08B	3.94
	C40-66-300-W	2	66	40	230	205	198	300	WCMX050308	M030W070	Q08B	4.01
	C40-67-305-W	2	67	40	235	205	201	305	WCMX050308	M030W070	Q08B	4.23
	C40-68-305-W	2	68	40	235	210	204	305	WCMX050308	M030W070	Q08B	4.28
	C40-69-315-W	2	69	40	245	210	207	315	WCMX050308	M030W070	Q08B	4.49
	C40-70-315-W	2	70	40	245	215	210	315	WCMX050308	M030W070	Q08B	4.60

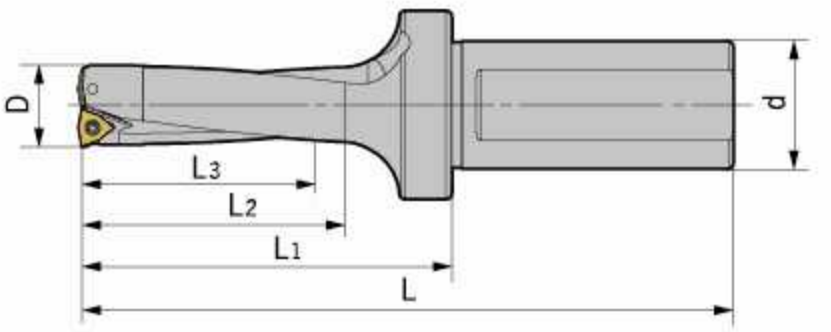
適用 Suitable:德克或住友刀片 DEREK Or SUMITOMO Insert

KSD-W Indexable Insert Drill (4xD)

KSD-W捨弃式快速鑽頭（4倍長）







型號 Specification		刃數 Teeth	D	d	L1	L2	L3	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
KSD-	C25-16-146-W	2	16	25	90	69	64	146	WCMX030208	M025W050	Q08B	1.35
	C25-16.5-146-W	2	16.5	25	90	69	64	146	WCMX030208	M025W050	Q08B	0.35
	C25-17-150-W	2	17	25	94	73	68	150	WCMX030208	M025W050	Q08B	0.35
	C25-17.5-150-W	2	17.5	25	94	73	68	150	WCMX030208	M025W050	Q08B	0.36
	C25-18-155-W	2	18	25	99	77	72	155	WCMX030208	M025W060	Q08B	0.37
	C25-18.5-155-W	2	18.5	25	99	77	72	155	WCMX030208	M025W060	Q08B	0.38
	C25-19-159-W	2	19	25	103	81	76	159	WCMX030208	M025W060	Q08B	0.39
	C25-19.5-159-W	2	19.5	25	103	81	76	159	WCMX030208	M025W060	Q08B	0.39
	C32-20-165-W	2	20	32	105	86	80	165	WCMX040208	M025W060	Q08B	0.58
	C32-20.5-165-W	2	20.5	32	105	88	82	165	WCMX040208	M025W060	Q08B	0.59
	C32-21-169-W	2	21	32	109	90	84	169	WCMX040208	M025W060	Q08B	0.60
	C32-21.5-169-W	2	21.5	32	109	92	86	169	WCMX040208	M025W060	Q08B	0.61
	C32-22-173-W	2	22	32	113	94	88	173	WCMX040208	M025W060	Q08B	0.63
	C32-22.5-173-W	2	22.5	32	113	96	90	173	WCMX040208	M025W060	Q08B	0.63
	C32-23-178-W	2	23	32	118	98	92	178	WCMX040208	M025W060	Q08B	0.65
	C32-23.5-178-W	2	23.5	32	118	100	94	178	WCMX040208	M025W060	Q08B	0.66
	C32-24-183-W	2	24	32	123	102	96	183	WCMX040208	M025W060	Q08B	0.67
	C32-24.5-183-W	2	24.5	32	123	104	98	183	WCMX040208	M025W060	Q08B	0.68
	C32-25-188-W	2	25	32	128	106	100	188	WCMT050308	M030W070	Q08B	0.69
	C32-25.5-188-W	2	25.5	32	128	106	100	188	WCMT050308	M030W070	Q08B	0.71
	C32-26-196-W	2	26	32	136	109	104	196	WCMT050308	M030W070	Q08B	0.76
	C32-26.5-196-W	2	26.5	32	136	109	104	196	WCMT050308	M030W070	Q08B	0.75
	C32-27-200-W	2	27	32	140	113	108	200	WCMT050308	M030W070	Q08B	0.77
	C32-28-205-W	2	28	32	145	117	112	205	WCMT050308	M030W070	Q08B	0.81
	C32-29-209-W	2	29	32	149	121	116	209	WCMT050308	M030W070	Q08B	0.84
	C32-30-215-W	2	30	32	155	126	120	215	WCMT050308	M030W070	Q08B	0.87
	C32-31-220-W	2	31	32	160	130	124	220	WCMT06T308	M035W090	Q15B	0.91
	C32-32-224-W	2	32	32	164	134	128	224	WCMT06T308	M035W090	Q15B	0.97
	C32-33-229-W	2	33	32	169	138	132	229	WCMT06T308	M035W090	Q15B	1.00
	C32-34-233-W	2	34	32	173	142	136	233	WCMT06T308	M035W090	Q15B	1.03
	C32-35-238-W	2	35	32	178	146	140	238	WCMT06T308	M035W090	Q15B	1.08
	C32-36-242-W	2	36	32	182	150	144	242	WCMT06T308	M035W090	Q15B	1.12
	C32-37-247-W	2	37	32	187	154	148	247	WCMT06T308	M035W090	Q15B	1.19
	C32-38-251-W	2	38	32	191	158	152	251	WCMT06T308	M035W090	Q15B	1.23
	C32-39-256-W	2	39	32	196	162	156	256	WCMT06T308	M035W090	Q15B	1.25

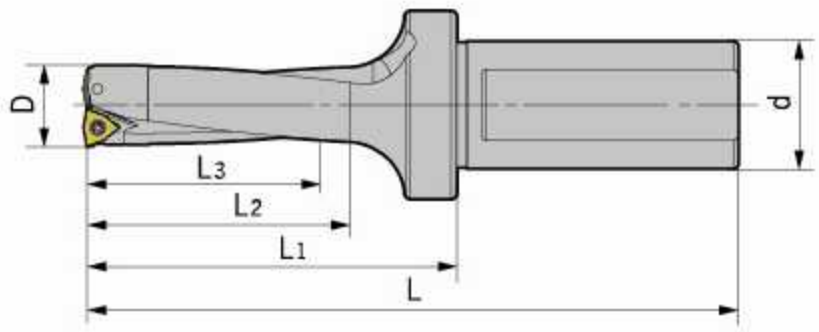
適用 Suitable:德克或住友刀片 DEREK Or SUMITOMO Insert

KSD-W Indexable Insert Drill (4xD)

KSD-W捨弃式快速鑽頭（4倍長）







型號 Specification		刃數 Teeth	D	d	L1	L2	L3	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
KSD-	C40-40-260-W	2	40	40	190	166	160	260	WCMT080412	M040W090	Q15B	1.78
	C40-41-265-W	2	41	40	195	170	164	265	WCMT080412	M040W090	Q15B	1.88
	C40-42-269-W	2	42	40	199	174	168	269	WCMT080412	M040W090	Q15B	1.92
	C40-43-274-W	2	43	40	204	178	172	274	WCMT080412	M040W090	Q15B	2.04
	C40-44-289-W	2	44	40	219	182	176	289	WCMT080412	M040W090	Q15B	2.20
	C40-45-294-W	2	45	40	224	186	180	294	WCMT080412	M040W090	Q15B	2.32
	C40-46-299-W	2	46	40	229	190	184	299	WCMT080412	M040W090	Q15B	2.38
	C40-47-303-W	2	47	40	233	194	188	303	WCMT080412	M040W090	Q15B	2.41
	C40-48-307-W	2	48	40	237	198	192	307	WCMT080412	M040W090	Q15B	2.53
	C40-49-313-W	2	49	40	243	202	196	313	WCMT080412	M040W090	Q15B	2.56
	C40-50-315-W	2	50	40	245	206	200	315	WCMT080412	M040W090	Q15B	2.69
	C40-51-319-W	2	51	40	249	210	204	319	WCMT080412	M040W090	Q15B	2.89
	C40-52-323-W	2	52	40	253	214	208	323	WCMT080412	M040W090	Q15B	2.84
	C40-53-327-W	2	53	40	257	218	212	327	WCMT080412	M040W090	Q15B	3.05
	C40-54-331-W	2	54	40	261	222	216	331	WCMT080412	M040W090	Q15B	3.23
	C40-55-335-W	2	55	40	265	226	220	335	WCMT080412	M040W090	Q15B	3.28
	C40-56-339-W	2	56	40	269	230	224	339	WCMT080412	M040W090	Q15B	3.43
	C40-57-343-W	2	57	40	273	234	228	343	WCMT080412	M040W090	Q15B	3.63
	C40-58-347-W	2	58	40	277	238	232	347	WCMT080412	M040W090	Q15B	3.77
	C40-59-351-W	2	59	40	281	242	236	351	WCMT080412	M040W090	Q15B	3.82
	C40-60-355-W	2	60	40	285	246	240	355	WCMT080412	M040W090	Q15B	3.97

適用 Suitable:德克或住友刀片 DEREK Or SUMITOMO Insert

切削參數 Cutting parameters

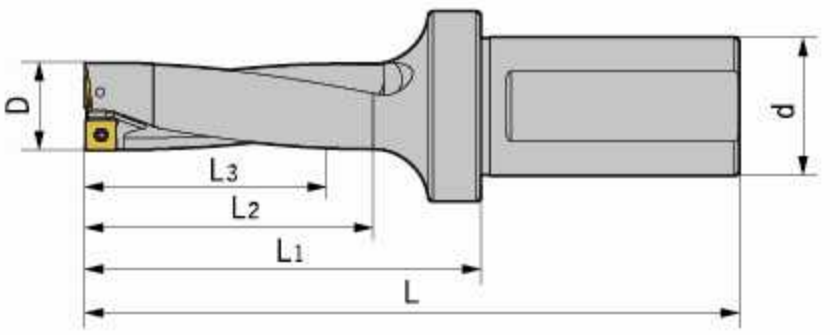
材料 Material	硬度 HB	速度 VC	刀片材質 Insert material	進給(mm/tool)/鑽頭直徑 Feed/ Power drill dia 17.5-22.0	22.5-30.0	30.0-40.0	40.0-50.0
一般鋼 Steel	8-180	200-280	PFZ	0.05-0.10	0.07-0.12	0.10-0.20	0.15-0.25
	150-225	150-220	PFZ	0.05-0.12	0.08-0.15	0.12-0.25	0.18-0.28
低合金鋼 Low alloy steel	150-260	160-220	PFZ	0.06-0.12	0.08-0.18	0.15-0.30	0.20-0.30
高合金鋼 High alloy steel	140-240	120-180	PFZ	0.05-0.10	0.06-0.15	0.12-0.20	0.18-0.25
不銹鋼 Stainless steel	150-250	100-200	PFZ	0.05-0.10	0.07-0.12	0.12-0.20	0.15-0.22
工具鋼 Hardest steel	150-250	120-200	PFZ	0.05-0.12	0.07-0.15	0.12-0.22	0.15-0.25
鑄鐵 Cast iron	160-220	120-180	PFZ	0.10-0.17	0.15-0.20	0.18-0.25	0.20-0.30

KSD-S Indexable Insert Drill (3xD)

KSD-S捨弃式快速鑽頭（3倍長）







型號 Specification		刃數 Teeth	D	d	L1	L2	L3	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
KSD-	C25-15-127-S	2	15	25	71	50	45	127	SPMG050204	M020W040	Q06B	0.33
	C25-15.5-127-S	2	15.5	25	71	50	45	127	SPMG060204	M022W050	Q06B	0.32
	C25-16-130-S	2	16	25	74	53	48	130	SPMG060204	M022W050	Q06B	0.00
	C25-16.5-130-S	2	16.5	25	74	53	48	130	SPMG060204	M022W050	Q06B	0.34
	C25-17-133-S	2	17	25	77	56	51	133	SPMG060204	M022W050	Q06B	0.34
	C25-17.5-133-S	2	17.5	25	77	56	51	133	SPMG060204	M022W050	Q06B	0.35
	C25-18-137-S	2	18	25	81	59	54	137	SPMG060204	M022W050	Q06B	0.36
	C25-18.5-137-S	2	18.5	25	81	59	54	137	SPMG060204	M022W050	Q06B	0.36
	C25-19-140-S	2	19	25	84	62	57	140	SPMG060204	M022W050	Q06B	0.37
	C25-19.5-140-S	2	19.5	25	84	62	57	140	SPMG060204	M022W050	Q06B	0.37
	C32-20-145-S	2	20	32	85	66	60	145	SPMG060204	M022W050	Q06B	0.57
	C32-20.5-145-S	2	20.5	32	85	66	60	145	SPMG060204	M022W050	Q06B	0.57
	C32-21-148-S	2	21	32	88	67	63	148	SPMG060204	M022W050	Q06B	0.58
	C32-21.5-148-S	2	21.5	32	88	68	63	148	SPMG060204	M022W050	Q06B	0.58
	C32-22-151-S	2	22	32	91	71	66	151	SPMG07T308	M025W060	Q08B	0.60
	C32-22.5-151-S	2	22.5	32	91	71	66	151	SPMG07T308	M025W060	Q08B	0.59
	C32-23-155-S	2	23	32	95	74	69	155	SPMG07T308	M025W060	Q08B	0.61
	C32-23.5-155-S	2	23.5	32	95	74	69	155	SPMG07T308	M025W060	Q08B	0.62
	C32-24-159-S	2	24	32	99	78	72	159	SPMG07T308	M025W060	Q08B	0.64
	C32-24.5-159-S	2	24.5	32	99	78	72	159	SPMG07T308	M025W060	Q08B	0.65
	C32-25-163-S	2	25	32	103	81	75	163	SPMG07T308	M025W060	Q08B	0.66
	C25.5-163-S	2	25.5	32	103	81	75	163	SPMG07T308	M025W060	Q08B	0.66
	C32-26-170-S	2	26	32	110	83	78	170	SPMG07T308	M025W060	Q08B	0.70
	C32-26.5-170-S	2	26.5	32	110	84	78	170	SPMG07T308	M025W060	Q08B	0.70
	C32-27-173-S	2	27	32	113	86	81	173	SPMG07T308	M025W060	Q08B	0.71
	C32-28-177-S	2	28	32	117	89	84	177	SPMG090408	M035W090	Q08B	0.75
	C32-29-180-S	2	29	32	120	92	87	180	SPMG090408	M035W090	Q08B	0.77
	C32-30-185-S	2	30	32	125	96	90	185	SPMG090408	M035W090	Q08B	0.81
	C32-31-189-S	2	31	32	129	99	93	189	SPMG090408	M035W090	Q08B	0.84
	C32-32-192-S	2	32	32	132	102	96	192	SPMG090408	M035W090	Q08B	0.88
	C32-33-196-S	2	33	32	136	105	99	196	SPMG090408	M035W090	Q08B	0.93
	C32-34-199-S	2	34	32	139	108	102	199	SPMG110408	M040W090	Q15B	0.96
	C32-35-203-S	2	35	32	143	111	105	203	SPMG110408	M040W090	Q15B	0.95
	C32-36-203-S	2	36	32	143	111	108	203	SPMG110408	M040W090	Q15B	1.06
	C32-37-210-S	2	37	32	150	117	111	210	SPMG110408	M040W090	Q15B	1.06
	C32-38-214-S	2	38	32	154	120	114	214	SPMG110408	M040W090	Q15B	1.06
	C32-39-217-S	2	39	32	157	123	117	217	SPMG110408	M040W090	Q15B	1.17

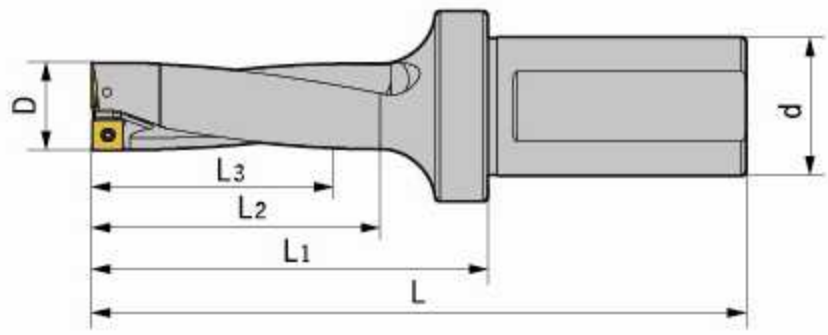
適用 Suitable:德克或特固克刀片 DEREK Or TAEGUTEC Insert

KSD-S Indexable Insert Drill (3xD)

KSD-S捨弃式快速鑽頭（3倍長）







型號 Specification		刃數 Teeth	D	d	L1	L2	L3	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
KSD-	C40-40-231-S	2	40	40	161	126	120	231	SPMG110408	M040W090	Q15B	1.66
	C40-41-235-S	2	41	40	165	129	123	235	SPMG110408	M040W090	Q15B	1.64
	C40-42-238-S	2	42	40	168	132	126	238	SPMG140512	M050W090	Q20B	1.70
	C40-43-241-S	2	43	40	171	135	129	241	SPMG140512	M050W090	Q20B	1.77
	C40-44-245-S	2	44	40	175	138	132	245	SPMG140512	M050W090	Q20B	1.81
	C40-45-248-S	2	45	40	178	141	135	248	SPMG140512	M050W090	Q20B	1.81
	C40-46-252-S	2	46	40	182	144	138	252	SPMG140512	M050W090	Q20B	1.96
	C40-47-255-S	2	47	40	185	147	141	255	SPMG140512	M050W090	Q20B	2.04
	C40-48-258-S	2	48	40	189	150	144	259	SPMG140512	M050W090	Q20B	2.11
	C40-49-262-S	2	49	40	192	153	147	262	SPMG140512	M050W090	Q20B	2.20
	C40-50-262-S	2	50	40	192	158	150	262	SPMG140512	M050W090	Q20B	2.28
	C40-51-262-S	2	51	40	192	162	153	262	SPMG07T308	M025W060	Q08B	2.30
	C40-52-262-S	2	52	40	192	165	156	262	SPMG07T308	M025W060	Q08B	2.40
	C40-53-262-S	2	53	40	192	168	159	262	SPMG07T308	M025W060	Q08B	2.42
	C40-54-262-S	2	54	40	192	170	162	262	SPMG07T308	M025W060	Q08B	2.46
	C40-55-262-S	2	55	40	192	175	165	262	SPMG07T308	M025W060	Q08B	2.56
	C40-56-275-S	2	56	40	205	180	168	275	SPMG07T308	M025W060	Q08B	2.79
	C40-57-275-S	2	57	40	205	185	171	275	SPMG090408	M035W090	Q15B	2.29
	C40-58-280-S	2	58	40	210	185	174	280	SPMG090408	M035W090	Q15B	2.95
	C40-59-285-S	2	59	40	215	187	177	285	SPMG090408	M035W090	Q15B	3.18
	C40-60-285-S	2	60	40	215	190	180	285	SPMG090408	M035W090	Q15B	3.22
	C40-61-290-S	2	61	40	220	190	183	290	SPMG090408	M035W090	Q15B	3.38
	C40-62-290-S	2	62	40	220	195	186	290	SPMG090408	M035W090	Q15B	3.47
	C40-63-295-S	2	63	40	225	195	189	295	SPMG090408	M035W090	Q15B	3.56
	C40-64-295-S	2	64	40	225	200	192	295	SPMG090408	M035W090	Q15B	3.72
	C40-65-300-S	2	65	40	230	200	195	300	SPMG090408	M035W090	Q15B	3.94
	C40-66-300-S	2	66	40	230	205	198	300	SPMG090408	M035W090	Q15B	4.01
	C40-67-305-S	2	67	40	235	205	201	305	SPMG110408	M040W090	Q15B	4.23
	C40-68-305-S	2	68	40	235	210	204	305	SPMG110408	M040W090	Q15B	4.28
	C40-69-315-S	2	69	40	245	210	207	315	SPMG110408	M040W090	Q15B	4.49
	C40-70-315-S	2	70	40	245	215	210	315	SPMG110408	M040W090	Q15B	4.60

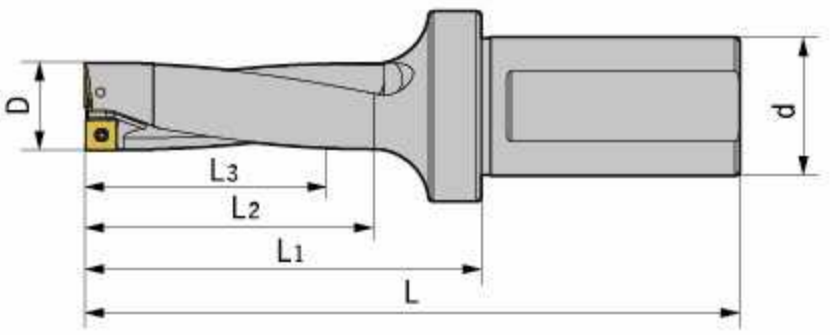
適用 Suitable:德克或特固克刀片 DEREK Or TAEGUTEC Insert

KSD-S Indexable Insert Drill (4xD)

KSD-S捨弃式快速鑽頭（4倍長）







型號 Specification		刃數 Teeth	D	d	L1	L2	L3	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
KSD-	C25-16-146-S	2	16	25	90	69	64	146	SPMG060204	M022W050	Q06B	1.35
	C25-16.5-146-S	2	16.5	25	90	69	64	146	SPMG060204	M022W050	Q06B	0.35
	C25-17-150-S	2	17	25	94	73	68	150	SPMG060204	M022W050	Q06B	0.35
	C25-17.5-150-S	2	17.5	25	94	73	68	150	SPMG060204	M022W050	Q06B	0.36
	C25-18-155-S	2	18	25	99	77	72	155	SPMG060204	M022W050	Q06B	0.37
	C25-18.5-155-S	2	18.5	25	99	77	72	155	SPMG060204	M022W050	Q06B	0.38
	C25-19-159-S	2	19	25	103	81	76	159	SPMG060204	M022W050	Q06B	0.39
	C25-19.5-159-S	2	19.5	25	103	81	76	159	SPMG060204	M022W050	Q06B	0.39
	C32-20-165-S	2	20	32	105	86	80	165	SPMG060204	M022W050	Q06B	0.58
	C32-20.5-165-S	2	20.5	32	105	88	82	165	SPMG060204	M022W050	Q06B	0.59
	C32-21-169-S	2	21	32	109	90	84	169	SPMG060204	M022W050	Q06B	0.60
	C32-21.5-169-S	2	21.5	32	109	92	86	169	SPMG060204	M022W050	Q06B	0.61
	C32-22-173-S	2	22	32	113	94	88	173	SPMG07T308	M025W060	Q08B	0.63
	C32-22.5-173-S	2	22.5	32	113	96	90	173	SPMG07T308	M025W060	Q08B	0.63
	C32-23-178-S	2	23	32	118	98	92	178	SPMG07T308	M025W060	Q08B	0.65
	C32-23.5-178-S	2	23.5	32	118	100	94	178	SPMG07T308	M025W060	Q08B	0.66
	C32-24-183-S	2	24	32	123	102	96	183	SPMG07T308	M025W060	Q08B	0.67
	C32-24.5-183-S	2	24.5	32	123	104	98	183	SPMG07T308	M025W060	Q08B	0.68
	C32-25-188-S	2	25	32	128	106	100	188	SPMG07T308	M025W060	Q08B	0.69
	C32-25.5-188-S	2	25.5	32	128	106	100	188	SPMG07T308	M025W060	Q08B	0.71
	C32-26-196-S	2	26	32	136	109	104	196	SPMG07T308	M025W060	Q08B	0.76
	C32-26.5-196-S	2	26.5	32	136	109	104	196	SPMG07T308	M025W060	Q08B	0.75
	C32-27-200-S	2	27	32	140	113	108	200	SPMG07T308	M025W060	Q08B	0.77
	C32-28-205-S	2	28	32	145	117	112	205	SPMG090408	M035W090	Q08B	0.81
	C32-29-209-S	2	29	32	149	121	116	209	SPMG090408	M035W090	Q08B	0.84
	C32-30-215-S	2	30	32	155	126	120	215	SPMG090408	M035W090	Q08B	0.87
	C32-31-220-S	2	31	32	160	130	124	220	SPMG090408	M035W090	Q08B	0.91
	C32-32-224-S	2	32	32	164	134	128	224	SPMG090408	M035W090	Q08B	0.97
	C32-33-229-S	2	33	32	169	138	132	229	SPMG090408	M035W090	Q08B	1.00
	C32-34-233-S	2	34	32	173	142	136	233	SPMG110408	M040W090	Q15B	1.03
	C32-35-238-S	2	35	32	178	146	140	238	SPMG110408	M040W090	Q15B	1.08
	C32-36-242-S	2	36	32	182	150	144	242	SPMG110408	M040W090	Q15B	1.12
	C32-37-247-S	2	37	32	187	154	148	247	SPMG110408	M040W090	Q15B	1.19
	C32-38-251-S	2	38	32	191	158	152	251	SPMG110408	M040W090	Q15B	1.23
	C32-39-256-S	2	39	32	196	162	156	256	SPMG110408	M040W090	Q15B	1.25

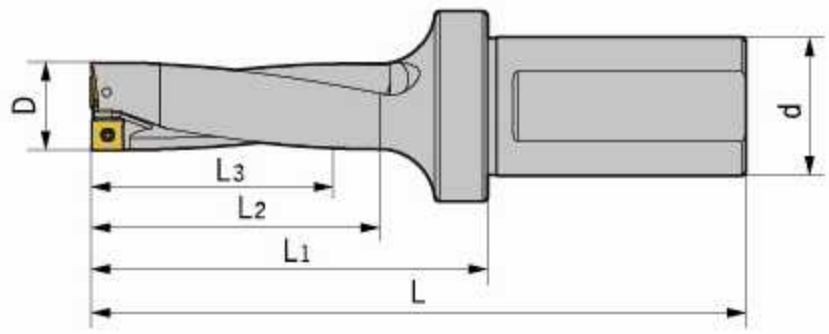
適用 Suitable:德克或特固克刀片 DEREK Or TAEGUTEC Insert

KSD-S Indexable Insert Drill (4xD)

KSD-S捨弃式快速鑽頭（4倍長）







型號 Specification		刃數 Teeth	D	d	L1	L2	L3	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
KSD-	C40-40-260-S	2	40	40	190	166	160	260	SPMG110408	M040W090	Q15B	1.78
	C40-41-265-S	2	41	40	195	170	164	265	SPMG110408	M040W090	Q15B	1.88
	C40-42-269-S	2	42	40	199	174	168	269	SPMG140512	M050W090	Q20B	1.92
	C40-43-274-S	2	43	40	204	178	172	274	SPMG140512	M050W090	Q20B	2.04
	C40-44-289-S	2	44	40	219	182	176	289	SPMG140512	M050W090	Q20B	2.20
	C40-45-294-S	2	45	40	224	186	180	294	SPMG140512	M050W090	Q20B	2.32
	C40-46-299-S	2	46	40	229	190	184	299	SPMG140512	M050W090	Q20B	2.38
	C40-47-303-S	2	47	40	233	194	188	303	SPMG140512	M050W090	Q20B	2.41
	C40-48-307-S	2	48	40	237	198	192	307	SPMG140512	M050W090	Q20B	2.53
	C40-49-313-S	2	49	40	243	202	196	313	SPMG140512	M050W090	Q20B	2.56
	C40-50-315-S	2	50	40	245	206	200	315	SPMG140512	M050W090	Q20B	2.69
	C40-51-319-S	2	51	40	249	210	204	319	SPMG07T308	M025W060	Q08B	2.89
	C40-52-323-S	2	52	40	253	214	208	323	SPMG07T308	M025W060	Q08B	2.84
	C40-53-327-S	2	53	40	257	218	212	327	SPMG07T308	M025W060	Q08B	3.05
	C40-54-331-S	2	54	40	261	222	216	331	SPMG07T308	M025W060	Q08B	3.23
	C40-55-335-S	2	55	40	265	226	220	335	SPMG07T308	M025W060	Q08B	3.28
	C40-56-339-S	2	56	40	269	230	224	339	SPMG07T308	M025W060	Q08B	3.43
	C40-57-343-S	2	57	40	273	234	228	343	SPMG090408	M035W090	Q08B	3.63
	C40-58-347-S	2	58	40	277	238	232	347	SPMG090408	M035W090	Q08B	3.77
	C40-59-351-S	2	59	40	281	242	236	351	SPMG090408	M035W090	Q08B	3.82
	C40-60-355-S	2	60	40	285	246	240	355	SPMG090408	M035W090	Q08B	3.97

適用 Suitable:德克或特固克刀片 DEREK Or TAEGUTEC Insert

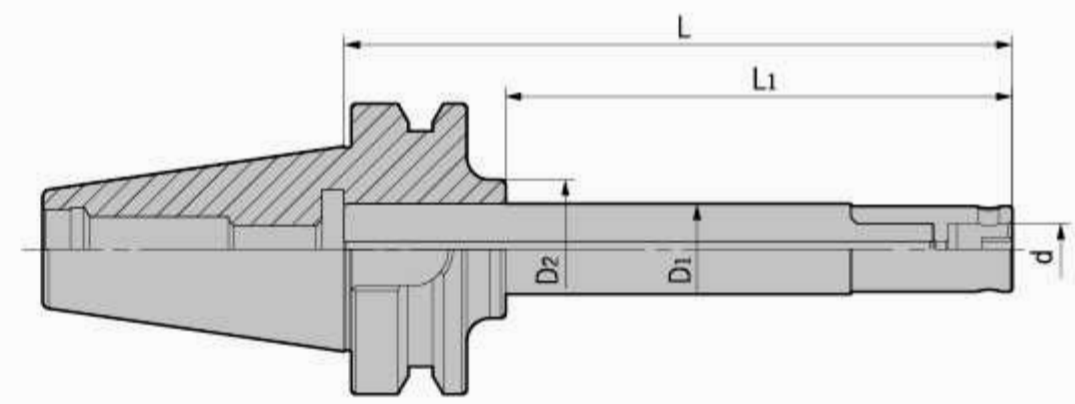
切削參數 Cutting parameters

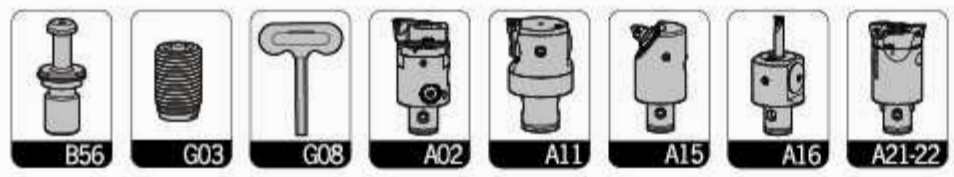
材料 Material	硬度 HB	速度 VC	刀片材質 Insert material	進給(mm/tool)/鑽頭直徑 Feed/ Power drill dia 17.5-22.0	22.5-30.0	30.0-40.0	40.0-50.0
一般鋼 Steel	8-180	200-280	PFZ	0.05-0.10	0.07-0.12	0.10-0.20	0.15-0.25
	150-225	150-220	PFZ	0.05-0.12	0.08-0.15	0.12-0.25	0.18-0.28
低合金鋼 Low alloy steel	150-260	160-220	PFZ	0.06-0.12	0.08-0.18	0.15-0.30	0.20-0.30
高合金鋼 High alloy steel	140-240	120-180	PFZ	0.05-0.10	0.06-0.15	0.12-0.20	0.18-0.25
不銹鋼 Stainless steel	150-250	100-200	PFZ	0.05-0.10	0.07-0.12	0.12-0.20	0.15-0.22
工具鋼 Hardest steel	150-250	120-200	PFZ	0.05-0.12	0.07-0.15	0.12-0.22	0.15-0.25
鑄鐵 Cast iron	160-220	120-180	PFZ	0.10-0.17	0.15-0.20	0.18-0.25	0.20-0.30

DSCK Carbide Boring Arbor

DSCK抗振鎢鋼鏜頭刀柄







型號 Specification		D_1	D_2	d	L_1	L	DCK側固螺釘 Side-lock screw	重量 Weight
BT40-	DSCK1-150	19.5	30	11	115	150	M050Z050-30P-D	1.56
	DSCK2-190	24	35	14	155	190	M050Z050-30P-D	1.92
BT50-	DSCK1-150	19.5	30	11	115	150	M050Z050-30P-D	4.07
	DSCK2-190	24	35	14	155	190	M050Z050-30P-D	4.84
	DSCK3-230	31	42	18	185	230	M060Z075-30P-D	5.28
	DSCK4-300	40	50	22	255	300	M080Z075-30P-D	6.60

注意：標準報價不含CBH鏜頭，需另外單獨購買。
Notice:Quotation not included CBH boring head, shall be ordered separately.

特 點 / Feature



采用熱縮夾持，
連接可靠，定位精度高。
Heat-shrink fitting promises
a precise connection and position.

選用進口超微粒硬質合金棒材，抗振性能好。
可輕鬆實現深孔加工
Vibration is extremley reduced due to superior-quality carbide rods;Max. boring depth is about 6XD (D: Boring Diameter).

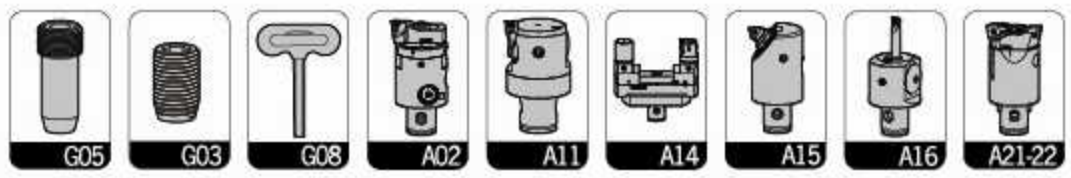
DCK模塊化接口設計，
互換性强
Connection type: CK system

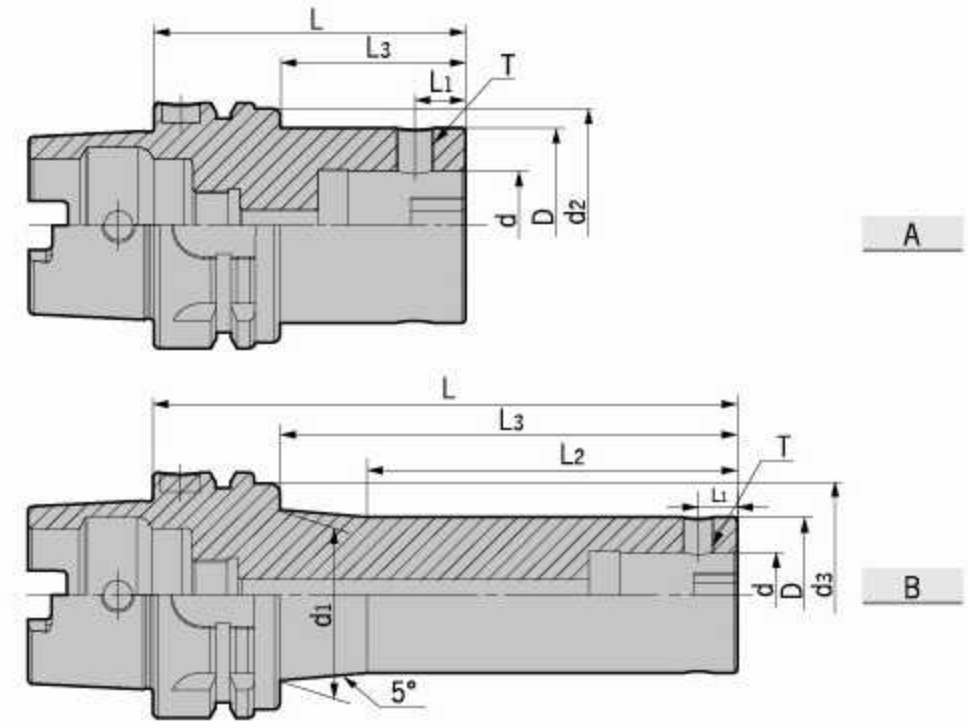
中空内冷設計，
可延長刀具的使用壽命。
Design with coolant-through hole

HSK-DCK Boring Adapter

HSK-DCK鏜頭刀柄





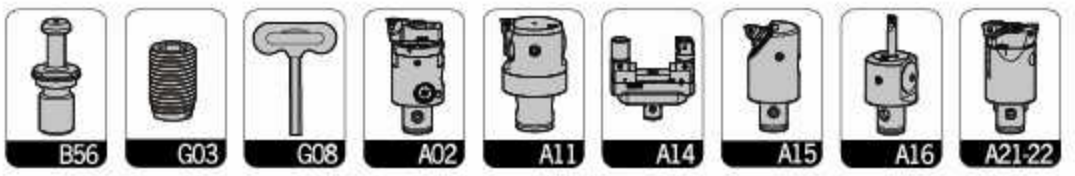


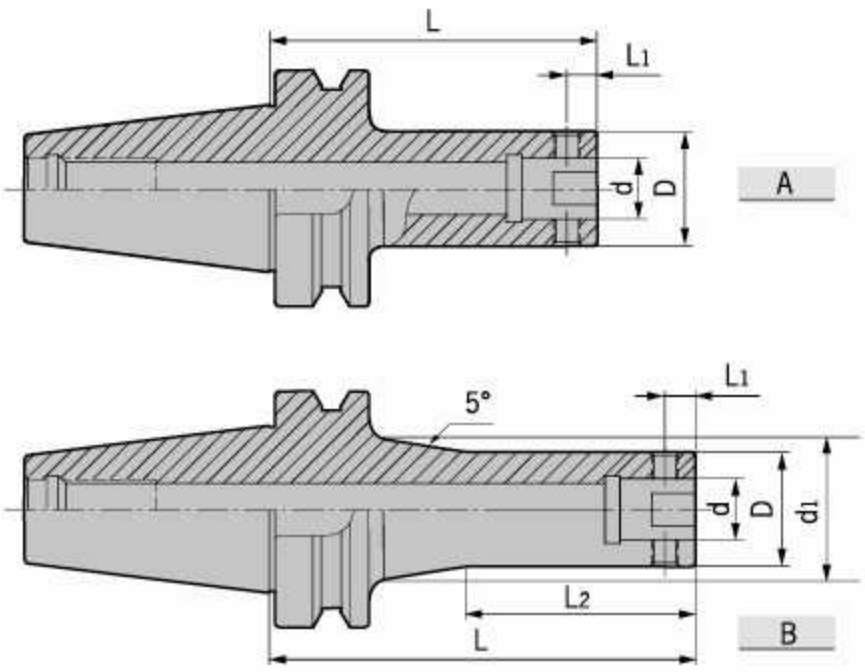
型號 Specification		圖示 Figure	D	d	d1	d2	L1	L2	L3	L	DCK側固螺釘 Side-lock screw	L型扳手 Key	重量 Weight
HSK63A-	DCK1-70	A	19	11	-	-	5.05	-	-	70	M050Z050-30P-D	L025	0.80
	DCK1-100L	B	19	11	23.5	-	5.05	50	-	100	M050Z050-30P-D	L025	0.90
	DCK2-75	A	24	14	-	-	6.45	-	-	75	M050Z060-30P-D	L025	0.90
	DCK2-100	A	24	14	-	-	6.45	-	-	100	M050Z060-30P-D	L025	1.00
	DCK2-130L	B	24	14	31	-	6.45	65	-	130	M050Z060-30P-D	L025	1.10
	DCK3-80	A	31	18	-	-	7.9	-	-	80	M060Z090-30P-D	L03	1.00
	DCK3-100	A	31	18	-	-	7.9	-	-	100	M060Z090-30P-D	L03	1.10
	DCK3-135L	B	31	18	37	-	7.9	75	-	135	M060Z090-30P-D	L03	1.30
	DCK3-165L	B	31	18	41	-	7.9	85	-	165	M060Z090-30P-D	L03	1.40
	DCK4-70	A	39	22	-	-	10	-	-	70	M080Z120-30P-D	L04	1.00
	DCK4-100	A	39	22	-	-	10	-	-	100	M080Z120-30P-D	L04	1.30
	DCK4-150L	B	39	22	44	-	10	95	-	150	M080Z120-30P-D	L04	1.70
	DCK4-170L	B	39	22	47.5	-	10	95	-	170	M080Z120-30P-D	L04	1.90
	DCK5-80	A	50	28	-	-	13	-	-	80	M100Z160-30P-D	L05	1.40
	DCK5-100	A	50	28	-	-	13	-	-	100	M100Z160-30P-D	L05	1.80
	DCK5-150	A	50	28	-	-	13	-	-	150	M100Z160-30P-D	L05	2.20
	DCK5-180	A	50	28	-	-	13	-	-	180	M100Z160-30P-D	L05	2.70
	DCK6-100	A	64	36	-	-	16	-	-	100	M120Z200-30P-D	L06	2.20
	DCK6-150	A	64	36	-	-	16	-	-	150	M120Z200-30P-D	L06	2.80
	DCK6-180	A	64	36	-	-	16	-	-	180	M120Z200-30P-D	L06	3.30
HSK100A-	DCK1-115L	B	19	11	24	65	5.05	50	78	115	M050Z050-30P-D	L025	2.50
	DCK1-145L	B	19	11	27.5	65	5.05	60	108	145	M050Z050-30P-D	L025	2.60
	DCK2-105	A	24	14	-	65	6.45	-	68	105	M050Z060-30P-D	L025	2.50
	DCK2-135L	B	24	14	30	65	6.45	65	98	135	M050Z060-30P-D	L025	2.60
	DCK2-165L	B	24	14	33.5	65	6.45	75	128	165	M050Z060-30P-D	L025	2.70
	DCK3-110	A	31	18	-	65	7.9	-	71	110	M060Z090-30P-D	L03	2.70
	DCK3-140L	B	31	18	35.5	65	7.9	75	101	140	M060Z090-30P-D	L03	2.80
	DCK3-170L	B	31	18	41	-	7.9	85	-	170	M060Z090-30P-D	L03	2.90
	DCK4-100	A	39	22	-	-	10	-	-	100	M080Z120-30P-D	L04	2.80
	DCK4-160L	B	39	22	47	-	10	85	-	160	M080Z120-30P-D	L04	3.50
	DCK4-205L	B	39	22	50.5	-	10	110	-	205	M080Z120-30P-D	L04	4.00
	DCK5-90	A	50	28	-	-	13	-	-	90	M100Z160-30P-D	L05	3.50
	DCK5-165	A	50	28	-	-	13	-	-	165	M100Z160-30P-D	L05	4.20
	DCK5-210L	B	50	28	61	-	13	120	-	210	M100Z160-30P-D	L05	4.80
	DCK5-270L	B	50	28	69.5	-	13	130	-	270	M100Z160-30P-D	L05	5.60
	DCK6-85	A	64	36	-	-	16	-	-	85	M120Z200-30P-D	L06	4.20
	DCK6-155	A	64	36	-	-	16	-	-	155	M120Z200-30P-D	L06	5.00
	DCK6-215	A	64	36	-	-	16	-	-	215	M120Z200-30P-D	L06	5.80
	DCK6-250	A	64	36	-	-	16	-	-	250	M120Z200-30P-D	L06	6.20
	DCK6-300L	B	64	36	80	-	16	180	-	300	M120Z200-30P-D	L06	7.10

BT-DCK Boring Adapter

BT-DCK鏜頭刀柄







型號 Specification		圖示 Figure	D	d1	d	L1	L2	L	DCK側固螺釘 Side-lock screw	L型扳手 Key	重量 Weight
BT30-	DCK1-55	A	19	-	11	5.05	-	55	M050Z050-30P-D	L025	0.42
	DCK1-70	A	19	-	11	5.05	-	70	M050Z050-30P-D	L025	0.45
	DCK2-80	A	24	-	14	6.62	-	80	M050Z060-30P-D	L025	0.54
	DCK3-80	A	31	-	18	8	-	80	M060Z090-30P-D	L03	0.68
	DCK4-70	A	39	-	22	10	-	70	M080Z120-30P-D	L04	0.68
	DCK5-70	A	50	-	28	13	-	70	M100Z160-30P-D	L05	0.88
	DCK6-60	A	64	-	36	16	-	60	M120Z200-30P-D	L06	0.89
BT40-	DCK1-70	A	19	-	11	5.05	-	70	M050Z050-30P-D	L025	1.03
	DCK1-100L	B	19	20.7	11	5.05	60	100	M050Z050-30P-D	L025	1.10
	DCK1-130L	B	19	25.5	11	5.05	60	130	M050Z050-30P-D	L025	1.18
	DCK2-75	A	24	-	14	6.62	-	75	M050Z060-30P-D	L025	1.10
	DCK2-100	A	24	-	14	6.62	-	100	M050Z060-30P-D	L025	1.18
	DCK2-130L	B	24	28.3	14	6.62	75	130	M050Z060-30P-D	L025	1.33
	DCK2-160L	B	24	33.6	14	6.62	75	160	M050Z060-30P-D	L025	1.49
	DCK3-80	A	31	-	18	8	-	80	M060Z090-30P-D	L03	1.22
	DCK3-100	A	31	-	18	8	-	100	M060Z090-30P-D	L03	1.32
	DCK3-135L	B	31	34.5	18	8	85	135	M060Z090-30P-D	L03	1.54
	DCK3-165L	B	31	39.7	18	8	85	165	M060Z090-30P-D	L03	1.76
	DCK4-70	A	39	-	22	10	-	70	M080Z120-30P-D	L04	1.21
	DCK4-100	A	39	-	22	10	-	100	M080Z120-30P-D	L04	1.46
	DCK4-150L	B	39	43.4	22	10	95	150	M080Z120-30P-D	L04	1.90
	DCK4-170L	B	39	46.9	22	10	95	170	M080Z120-30P-D	L04	2.16
	DCK5-60	A	50	-	28	13	-	60	M100Z160-30P-D	L05	1.22
	DCK5-80	A	50	-	28	13	-	80	M100Z160-30P-D	L05	1.52
	DCK5-100	A	50	-	28	13	-	100	M100Z160-30P-D	L05	1.80
	DCK5-150	A	50	-	28	13	-	150	M100Z160-30P-D	L05	2.52
	DCK5-180	A	50	-	28	13	-	180	M100Z160-30P-D	L05	2.90
	DCK6-55	A	64	-	36	16	-	55	M120Z200-30P-D	L06	1.22
	DCK6-100	A	64	-	36	16	-	100	M120Z200-30P-D	L06	2.29
	DCK6-150	A	64	-	36	16	-	150	M120Z200-30P-D	L06	3.50
	DCK6-180	A	64	-	36	16	-	180	M120Z200-30P-D	L06	4.22

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See next page

BT-DCK Boring Adapter

BT-DCK鏜頭刀柄

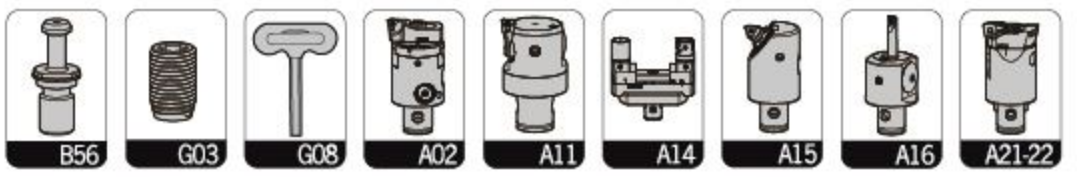
型號 Specification		圖示 Figure	D	d1	d	L1	L2	L	DCK側固螺釘 Side-lock screw	L型扳手 Key	重量 Weight
BT50-	DCK1-80	A	19	-	11	5.05	-	80	M050Z050-30P-D	L025	3.20
	DCK1-115L	B	19	20.7	11	5.05	60	115	M050Z050-30P-D	L025	3.73
	DCK1-145L	B	19	26	11	5.05	60	145	M050Z050-30P-D	L025	4.20
	DCK2-105	A	24	-	14	6.62	-	105	M050Z060-30P-D	L025	3.78
	DCK2-135L	B	24	26.6	14	6.62	75	135	M050Z060-30P-D	L025	3.89
	DCK2-165L	B	24	31.9	14	6.62	75	165	M050Z060-30P-D	L025	4.08
	DCK3-110	A	31	-	18	8	-	110	M060Z090-30P-D	L03	3.95
	DCK3-140L	B	31	32.7	18	8	85	140	M060Z090-30P-D	L03	4.09
	DCK3-170L	B	31	38	18	8	85	170	M060Z090-30P-D	L03	4.31
	DCK4-100	A	39	-	22	10	-	100	M080Z120-30P-D	L04	3.98
	DCK4-160L	B	39	42.5	22	10	95	160	M080Z120-30P-D	L04	4.50
	DCK4-205L	B	39	50	22	10	95	205	M080Z120-30P-D	L04	5.13
	DCK5-90	A	50	-	28	13	-	90	M100Z160-30P-D	L05	4.30
	DCK5-165	A	50	-	28	13	-	165	M100Z160-30P-D	L05	5.20
	DCK5-210L	B	50	57.8	28	13	120	210	M100Z160-30P-D	L05	5.92
	DCK5-270L	B	50	68.4	28	13	120	270	M100Z160-30P-D	L05	7.23
	DCK6-85	A	64	-	36	16	-	85	M120Z200-30P-D	L06	4.28
	DCK6-155	A	64	-	36	16	-	155	M120Z200-30P-D	L06	5.97
	DCK6-215	A	64	-	36	16	-	215	M120Z200-30P-D	L06	7.43
	DCK6-250	A	64	-	36	16	-	250	M120Z200-30P-D	L06	8.27
	DCK6-300L	B	64	80.5	36	16	160	300	M120Z200-30P-D	L06	10.21
	DCK6-350L	B	64	90	36	16	160	350	M120Z200-30P-D	L06	12.90
	DCK7-80	A	90	-	46	19.15	-	80	M200Z290-30P-D	L10	4.86

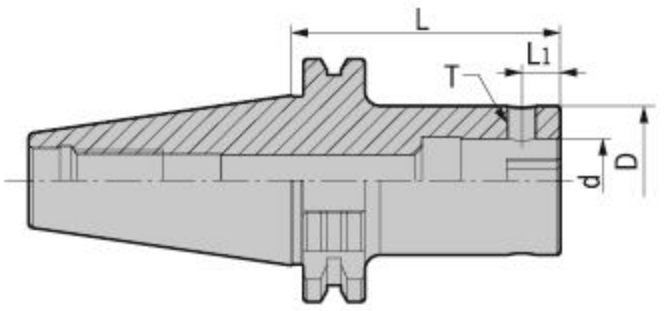
特點 / Feature

■整支通孔，利于出水及抗振。■可共用并互容于大多數的"CK"系列。
■側固螺絲與鍵槽成90度，確保切削機的退刀相位。
■側固螺絲鎖固時，請使用防卡油，以免鏜孔時因扭力過大，導致螺絲卡死難以拆裝。
■The whole bar with through holes,be useful for coolant and anti-shanking. ■Be compatible for all " CK " series.
■Side lock screw is at right angles to key slot, to make sure that the replacing holders in CNC machine are always in phase.
■When side lock screw fastened, please cubrication lube oil in order not to fasten the screw while too much strength is for torsion.

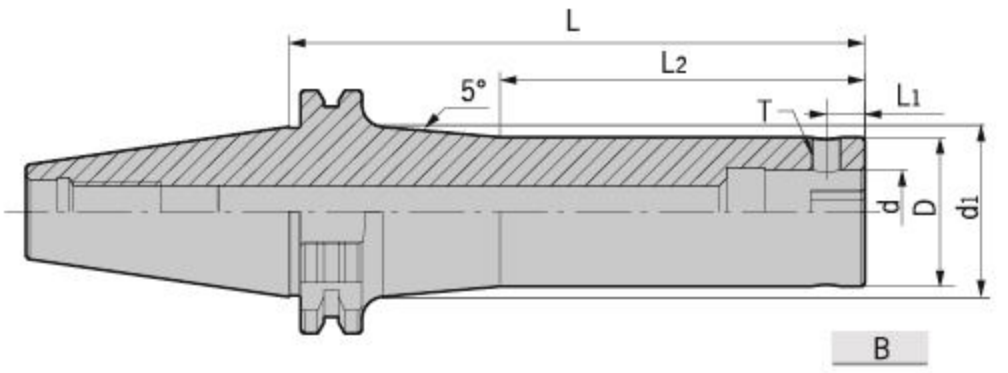
SK-DCK Boring Adapter
SK-DCK鏜頭刀柄







A



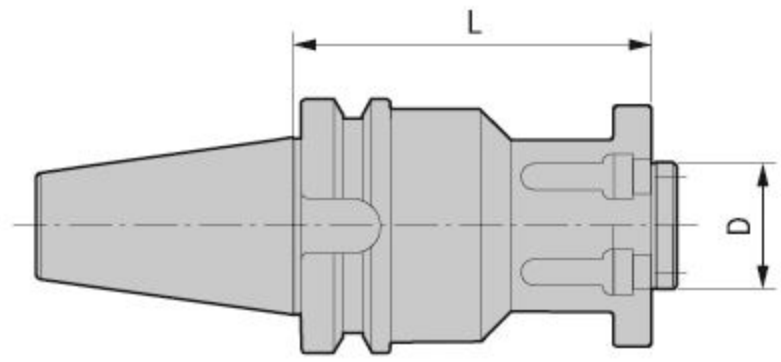
B

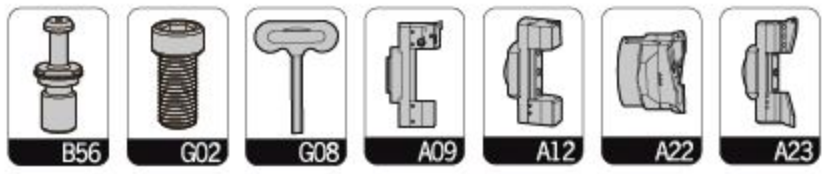
型號 Specification		圖示 Figure	D	d1	d	L1	L2	L	DCK側固螺釘 Side-lock screw	L型扳手 Key	重量 Weight
SK40-	DCK1-70	A	19	-	11	5.05	-	70	M050Z050-30P-D	L025	1.03
	DCK1-100L	B	19	20.7	11	5.05	60	100	M050Z050-30P-D	L025	1.10
	DCK2-75	A	24	-	14	6.62	-	75	M050Z060-30P-D	L025	1.10
	DCK2-100	A	24	-	14	6.62	-	100	M050Z060-30P-D	L025	1.18
	DCK2-130L	B	24	28.3	14	6.62	75	130	M050Z060-30P-D	L025	1.33
	DCK2-160L	B	24	33.6	14	6.62	75	160	M050Z060-30P-D	L025	1.49
	DCK3-80	A	31	-	18	8	-	80	M060Z090-30P-D	L03	1.22
	DCK3-100	A	31	-	18	8	-	100	M060Z090-30P-D	L03	1.32
	DCK3-135L	B	31	34.5	18	8	85	135	M060Z090-30P-D	L03	1.54
	DCK3-165L	B	31	39.7	18	8	85	165	M060Z090-30P-D	L03	1.76
	DCK4-70	A	39	-	22	10	-	70	M080Z120-30P-D	L04	1.21
	DCK4-100	A	39	-	22	10	-	100	M080Z120-30P-D	L04	1.46
	DCK4-150L	B	39	43.4	22	10	95	150	M080Z120-30P-D	L04	1.90
	DCK4-170L	B	39	46.9	22	10	95	170	M080Z120-30P-D	L04	2.16
	DCK5-80	A	50	-	28	13	-	80	M100Z160-30P-D	L05	1.52
	DCK5-100	A	50	-	28	13	-	100	M100Z160-30P-D	L05	1.80
	DCK5-150	A	50	-	28	13	-	150	M100Z160-30P-D	L05	2.52
	DCK5-180	A	50	-	28	13	-	180	M100Z160-30P-D	L05	2.90
	DCK6-90	A	64	-	36	16	-	90	M120Z200-30P-D	L06	1.22
	DCK6-150	A	64	-	36	16	-	150	M120Z200-30P-D	L06	3.50
	DCK6-180	A	64	-	36	16	-	180	M120Z200-30P-D	L06	4.22
SK50-	DCK1-115L	B	19	20.7	11	5.05	60	115	M050Z050-30P-D	L025	3.73
	DCK1-145L	B	19	26	11	5.05	60	145	M050Z050-30P-D	L025	4.20
	DCK2-105	A	24	-	14	6.62	-	105	M050Z060-30P-D	L025	3.78
	DCK2-135L	B	24	26.6	14	6.62	75	135	M050Z060-30P-D	L025	3.89
	DCK2-165L	B	24	31.9	14	6.62	75	165	M050Z060-30P-D	L025	4.08
	DCK3-110	A	31	-	18	8	-	110	M060Z090-30P-D	L03	3.95
	DCK3-140L	B	31	32.7	18	8	85	140	M060Z090-30P-D	L03	4.09
	DCK3-170L	B	31	38	18	8	85	170	M060Z090-30P-D	L03	4.31
	DCK4-100	A	39	-	22	10	-	100	M080Z120-30P-D	L04	3.98
	DCK4-160L	B	39	42.5	22	10	95	160	M080Z120-30P-D	L04	4.50
	DCK4-205L	B	39	50	22	10	95	205	M080Z120-30P-D	L04	5.13
	DCK5-90	A	50	-	28	13	-	90	M100Z160-30P-D	L05	4.30
	DCK5-165	A	50	-	28	13	-	165	M100Z160-30P-D	L05	5.20
	DCK5-210L	B	50	57.8	28	13	120	210	M100Z160-30P-D	L05	5.92
	DCK5-270L	B	50	68.4	28	13	120	270	M100Z160-30P-D	L05	7.23
	DCK6-85	A	64	-	36	16	-	85	M120Z200-30P-D	L06	4.28
	DCK6-155	A	64	-	36	16	-	155	M120Z200-30P-D	L06	5.97
	DCK6-215	A	64	-	36	16	-	215	M120Z200-30P-D	L06	7.43
	DCK6-250	A	64	-	36	16	-	250	M120Z200-30P-D	L06	8.27
	DCK6-300L	B	64	80.5	36	16	160	300	M120Z200-30P-D	L06	10.21

BST Boring Adapter

BST鏜頭刀柄







BST boring adapter for roughing and finishing boring tool
(Boring range > 200mm)

BST粗精鏜孔刀頭基礎柄系列(鏜孔範圍 > 200)

型號 Specification		D	L	緊固螺釘 Long pull stud	重量 Weight
BT40-	BST-100	50	100	E120U400-D	2.90
	BST-150	50	150	E120U400-D	4.24
BT50-	BST-100	50	100	E120U400-D	5.50
	BST-150	50	150	E120U400-D	6.38
	BST-200	50	200	E120U400-D	7.61
	BST-250	50	250	E120U400-D	10.44
	BST-300	50	300	E120U400-D	12.37
	BST-350	50	350	E120U400-D	14.33
SK50-	BST-100	50	100	E120U400-D	5.50
	BST-150	50	150	E120U400-D	6.38
	BST-200	50	200	E120U400-D	7.61

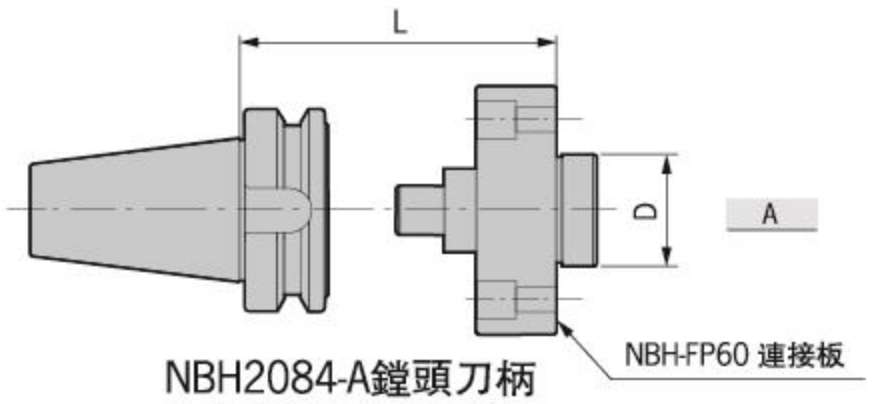
NBH2084 Boring Adapter

NBH2084鏜頭刀柄

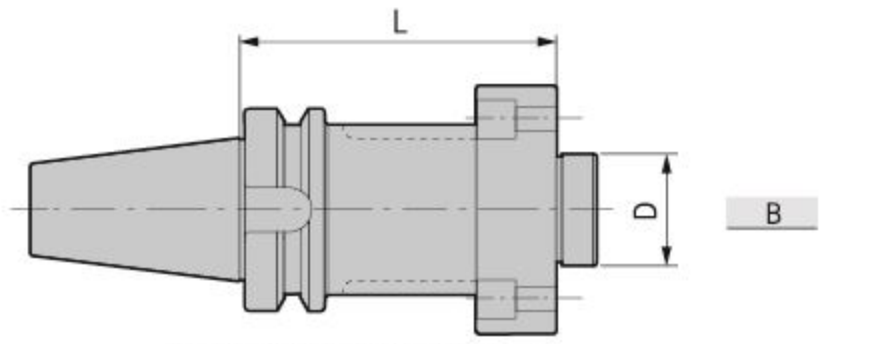




Boring adapter for NBH2084 boring head
NBH2084精密鏜孔刀頭基礎柄系列



NBH2084-A鏜頭刀柄



NBH2084-B鏜頭刀柄

型號 Specification	D	L	鏜頭鎖緊螺釘 Locking screw	L型扳手 Key	重量 Weight
BT40-NBH-A50	35	50	E080U200	L06	1.78
BT50-NBH-A50	35	50	E080U200	L06	4.16
NBH-FP60	35	Flange	-	L06	0.60
BT40-NBH-B100	35	100	E080U300	L06	2.23
BT50-NBH-B100	35	100	E080U300	L06	4.84

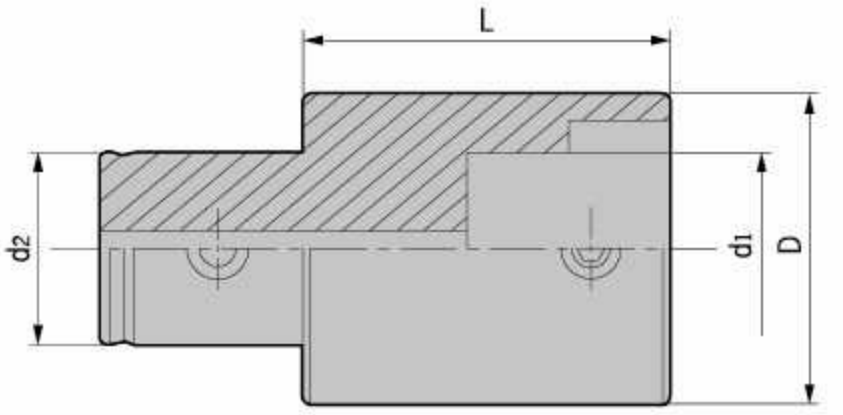
型號 Specification		D	L	鏜頭鎖緊螺釘 Locking screw	L型扳手 Key	重量 Weight
BT50-	NBH-B165	35	165	E080U300	L06	6.23
	NBH-B200	35	200	E080U300	L06	7.01
	NBH-B250	35	250	E080U300	L06	7.96
	NBH-B300	35	300	E080U300	L06	9.07

DCK Extension Adaptor

DCK等徑延長接柄







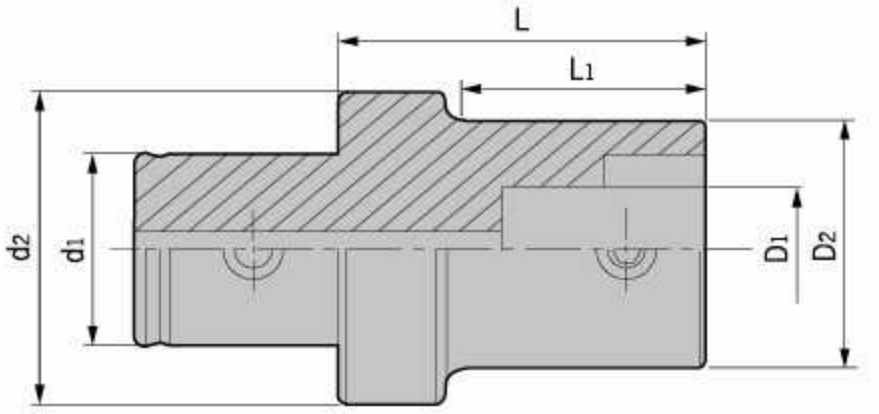
型號 Specification	D	d1	d2	L	DCK側固螺釘 Side-lock screw	L型扳手 Key	重量 Weight
DCK 1-1-30	19	11	11	30	M050Z050-30P-D	L025	0.06
2-2-30	24	14	14	30	M050Z060-30P-D	L025	0.09
3-3-30	31	18	18	30	M060Z090-30P-D	L03	0.14
4-4-45	39	22	22	45	M080Z120-30P-D	L04	0.29
4-4-60	39	22	22	60	M080Z120-30P-D	L04	0.47
5-5-60	50	28	28	60	M100Z160-30P-D	L05	0.75
5-5-90	50	28	28	90	M100Z160-30P-D	L05	1.18
6-6-60	64	36	36	60	M120Z200-30P-D	L06	1.46
6-6-100	64	36	36	100	M120Z200-30P-D	L06	2.35

DCK Reduction Adaptor

DCK异徑轉換接柄（大接小）







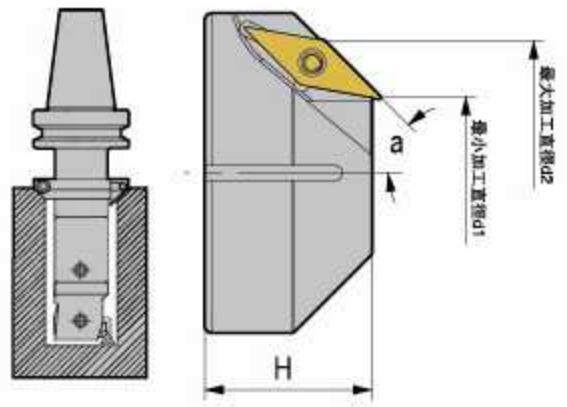
型號 Specification	D1	D2	d1	d2	L1	L	DCK側固螺釘 Side-lock screw	L型扳手 Key	重量 Weight
DCK 2-1-36	11	19	14	24	30	36	M050Z050-30P-D	L025	0.08
3-1-41	11	19	18	31	30	41	M050Z050-30P-D	L025	0.12
3-2-37	14	24	18	31	25	37	M050Z060-30P-D	L025	0.13
4-1-58	11	19	22	39	40	58	M050Z050-30P-D	L025	0.24
4-2-50	14	24	22	39	36	50	M050Z060-30P-D	L025	0.22
4-3-50	18	31	22	39	37	50	M060Z090-30P-D	L03	0.30
5-1-60	11	19	28	50	40	60	M050Z050-30P-D	L025	0.38
5-2-54	14	24	28	50	35	54	M050Z060-30P-D	L025	0.38
5-2-74	14	24	28	50	55	74	M050Z060-30P-D	L025	0.45
5-3-47	18	31	28	50	29	47	M060Z090-30P-D	L03	0.46
5-3-72	18	31	28	50	54	72	M060Z090-30P-D	L03	0.54
5-4-42	22	39	28	50	25	42	M080Z120-30P-D	L04	0.43
5-4-67	22	39	28	50	50	67	M080Z120-30P-D	L04	0.62
6-1-70	11	19	36	64	40	70	M050Z050-30P-D	L025	0.90
6-2-63	14	24	36	64	45	63	M050Z060-30P-D	L025	0.66
6-2-93	14	24	36	64	75	93	M050Z060-30P-D	L025	0.71
6-3-56	18	31	36	64	39	56	M060Z090-30P-D	L03	0.70
6-3-96	18	31	36	64	79	96	M060Z090-30P-D	L03	0.91
6-4-51	22	39	36	64	35	51	M080Z120-30P-D	L04	0.76
6-4-101	22	39	36	64	85	101	M080Z120-30P-D	L04	1.19
6-5-41	28	50	36	64	25	41	M100Z160-30P-D	L05	0.72
6-5-91	28	50	36	64	75	91	M100Z160-30P-D	L05	1.46

CR Chamfering Cutter

CR倒角刀







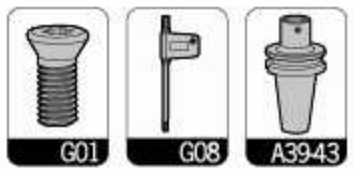
安裝在DCK刀柄上用于鏜孔,倒角復合加工。Assembled on DCK boring tools to bore and chamfer.

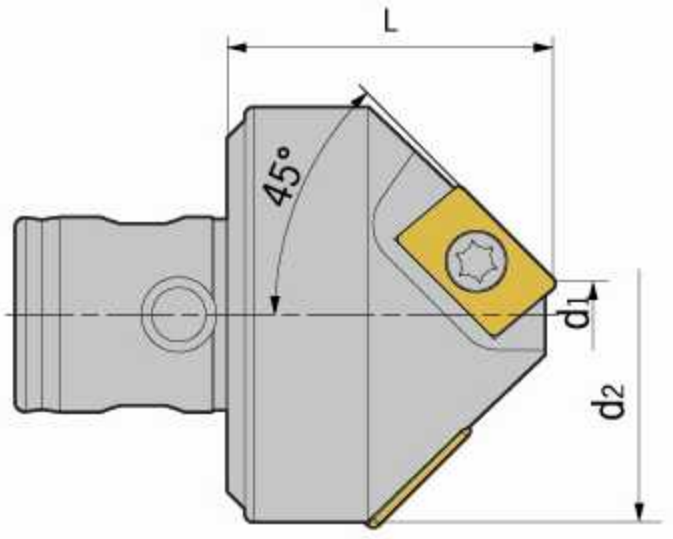
型號 Specification	刃數 Teeth	角度 a	d_1	d_2	H	組合刀柄 Adapter size	刀片型號 Insert	刀體鎖緊螺釘 Locking screw	L型扳手 Key	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
CR 1-34-45	1	45	21	34	22	DCK1	VCGT110302	E050U160-D	L04	M025W060	Q08	0.06
2-39-45	1	45	26	39	25	DCK2	VCGT110302	E050U160-D	L04	M025W060	Q08	0.12
3-54-45	1	45	34	54	35	DCK3	VCGT160404	E060U200-D	L05	M025W060	Q15	0.51
4-62-45	1	45	42	62	38	DCK4	VCGT160404	E060U200-D	L05	M025W060	Q15	0.69
5-93-45	2	45	53	93	43	DCK5	VCGT160404	E060U250-D	L05	M040S100-1	Q15	1.33
6-107-45	2	45	67	107	46	DCK6	VCGT160404	E080U250-D	L06	M040S100-1	Q15	1.84
6-138-45	2	45	98	138	46	DCK6	VCGT160404	E080U250-D	L06	M040S100-1	Q15	3.86
6-160-45	2	45	120	160	46	DCK6	VCGT160404	E080U250-D	L06	M040S100-1	Q15	5.58
CR 1-41-30	2	30	23	41	30	DCK1	VCGT110302	E050U160-D	L04	M025W060	Q08	0.10
2-46-30	2	30	28	46	35	DCK2	VCGT110302	E050U160-D	L04	M025W060	Q08	0.21
3-53-30	2	30	35	53	35	DCK3	VCGT110302	E060U200-D	L05	M025W060	Q08	0.34
4-61-30	2	30	43	61	35	DCK4	VCGT110302	E060U200-D	L05	M025W060	Q08	0.41
5-84-30	2	30	56	84	48	DCK5	VCGT160404	E080U250-D	L06	M040S100-1	Q15	1.33
6-98-30	2	30	70	98	48	DCK6	VCGT160404	E080U250-D	L06	M040S100-1	Q15	1.21
6-120-30	2	30	92	120	48	DCK6	VCGT160404	E080U250-D	L06	M040S100-1	Q15	3.01
6-142-30	2	30	114	142	48	DCK6	VCGT160404	E080U250-D	L06	M040S100-1	Q15	4.09

DCK Chamfering Head

DCK倒角刀頭







安裝在DCK刀柄上用于倒角加工。Connected with DCK boring apapter for chamfering.

型號 Specification	刃數 Teeth	d_1	d_2	L	組合刀柄 Adapter size	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench
DCK 2-0522	1	5	22	25	DCK2	ADNT160308	M040S100-1	Q15
4-1046	2	10	46	36	DCK4	ADNT160308	M040S100-1	Q15
5-3065	2	30	65	50	DCK5	ADNT160308	M040S100-1	Q15
6-63100	2	63	100	60	DCK6	ADNT160308	M040S100-1	Q15


DEREK
DCK6-CZ-03



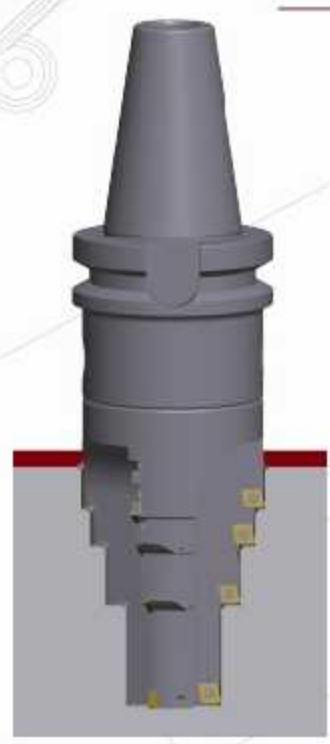
Customized Tool For Boring And Chamfering
復合鑽鏜加倒角



Customized Tool For Rough Boring
環形腔復合粗鏜



Customized Tool For Stepped Roughing
雙階梯復合粗鏜



Customized Tool For Stepped Cuttings
多階梯復合粗鏜



Customized Tool For Stepped Finishing
雙階梯復合精鏜

Tool Presetter
刀具設定儀

用途 / Functions

■本儀器系集光、機、電于一體的刀具預調設備。主要用于量測鏜床、数控加工中心等制造上所使用的鏜銑類切削刀具之孔徑及刀具之預調儀器。

■This tool pre-setter is optical, mechanical and electrical, used for measuring and pre-setting cutting tools for boring machine and machining centers.

特 點 / Feature

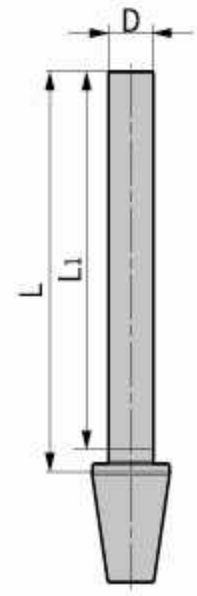
■儀器主軸爲“鎖定裝置”設計，操作容易、便利;
■主軸可依對同規格之刀具來測量（BT50,BT40,BT30）而選擇不同的轉換套做轉換;
■X、Y軸均采用光學尺裝置來預示測量之數值;
■儀器附有兩組手動旋轉裝置。
■The spindle of this tool pre-setter is with Locking Design, user-friendly and convenient;
■The spindle could be used to measure different types (BT30, BT40, BT50) of tools with different adapters;
■X-axial and Y-axial measure size optically;
■This tool pre–setter is with two sets of manual device standby.



型號 Specification	電源 Power source	測量範圍 Range of measurement	數據解析度 Resoltion	主軸錐度 Accessories of test bar	LxWxH (mm)	重量 Weight
DK-300	AC110V/220V 50HZ/60HZ	直徑（X向） 300mm 高度（Z向） 30-300mm	X軸0.005mm Z軸0.005mm	標準配備BT50 選配optional HSK50/63/100 BT40/30 SK40/30	860x560x990	102
DK-400	AC110V/220V 50HZ/60HZ	直徑（X向） 400mm 高度（Z向） 30-400mm	X軸0.005mm Z軸0.005mm	標準配備BT50 選配optional HSK50/63/100 BT40/30 SK40/30	930x600x950	108
DK-600	AC110V/220V 50HZ/60HZ	直徑（X向） 600mm 高度（Z向） 30-600mm	X軸0.005mm Z軸0.005mm	標準配備BT50 選配optional HSK50/63/100 BT40/30 SK40/30	1070x680x1050	125

Runout Testing Bars For Machine Spindle
機床主軸跳動測試棒

型號 Specification		D	L	L_1
HSK	50A-200	32	200	190
	63A-250	40	250	240
	100A-260	40	260	250
BT	30-200	32	200	190
	40-250	40	250	240
	50-260	40	260	250
SK	30-200	32	200	190
	40-250	40	250	240
	50-260	40	260	250



Adapter
變徑轉換套

型號 Specification	
HSK	100-50
	100-63
BT	50-30
	50-40
SK	50-30
	50-40



Operating Instructions

注意事項

A.爲使本儀充分發揮功能，敬請詳閱以下的操作說明，確保本儀器的準確性
Before operating, please read following points carefully:

■檢查木箱在運輸中是否受損，并檢查儀器外觀是否良好;
■拆箱後請將地盤固定螺絲鬆脱，并鎖上隨機附送的調整螺絲;
■機械吊起或搬運時請注意機械平衡;
■請確保清洗防銹油，切記不可使用汽油、丙酮類溶劑。
■Check if the package is intact and presetter is in good condition;
■Unfasten the set screws, and fasten it with adjusting screws included in package;
■Keep balance when carrying;
■Clean with anti-rust oil. No gasoline, nor any solvent with acetone.

B.操作前請確認下列事項:
Checking the following points before operating:

■鬆開X軸固定螺絲。（請參照本儀器上黃色貼紙）;
■鬆開Z軸固定配重塊螺絲。（請參考本儀器上黃色貼紙）;
■檢查潤滑系統是否正常;
■主軸務必確保清潔;
■測試棒擦拭幹净。
■上述4.5兩項于每次操作前必須徹底清潔，使用後請保持防銹及清潔雜物、灰塵、鐵屑等。
■Unfasten the set screw on X axis (See yellow pasters on this equipment);
■Unfasten the set screw on Z axis (See yellow pasters on this equipment);
■Check the lubrication system;
■Clean the spindle;
■Clean the test bar;
■Before every operation, Procedures 4 and 5 aforementioned shall be done.

C.操作中注意事項:
Notices:

■本儀器Z軸升降時爲手動快速移位裝置;
■操作Z軸快速移位時請勿大力拉扯，請將把手往内壓下，在移至接近刀具時，再使用微調手輸;
■量測刀具時請以刀背接觸測頭，避免損壞測頭及量表。
■Move the Z–axis with one hand;
■No pulling nor pushing Z–axis brutally; Please push the Z–axis gently approaching the tool and then micro adjust with one hand;
■Please don’t touch probe with the cutting edge to avoid any damage to probe and meter.

D. X軸歸零“0”:
Return X-axis to Zero:

■請同時拭擦清潔主軸及測試棒;
■將Z軸(升降)百分表架，向順時針方向移90度，以免X軸歸“0”時撞擊測試棒;
■將X軸量表測頭調至接觸測試棒，使量表指針向順時針方向接觸第一個0的位置;
■將X軸顯示數據設定爲舉測試棒半徑尺寸相同之數字，即完成歸0。
■Clean the spindle and test bar;
■Move Z–axis to an angle of 90 in clock–wise direction, to avoid the bump between test bar and X–axis;
■Adjust the probe of X–axis to the test bar and make indicator touch the “0” in clock–wise direction;
■Set the display data of X–axial same as the radius of testing bar, which means it is ready for testing.

E.量測程序:
Measuring procedures:

■測試棒之歸“0”動作務必落實、確定;
■將刀具置入主軸，并用鎖緊螺帽固定住;
■旋轉主軸，使刀具之刀尖接觸到X軸測頭，讓量表指針轉至第一個0的位置;
■于顯示器上設定刀具所需之尺寸，X軸請輸入半徑值，此時即完成刀具預調值;
■取下刀具時，請以逆時針方向鬆脱主固定螺帽。
■Make sure X–axis to Zero;
■Lock the tool with set screw on Z–axis;
■Move the spindle and make the cutting edge touch the probe of X–axis. Indicator points to the first Zero position;
■Set the required sizes of tools and the value of radius on X–axis;
■Unfasten the locking nut anti–clock–wisely and dismantle the tool.

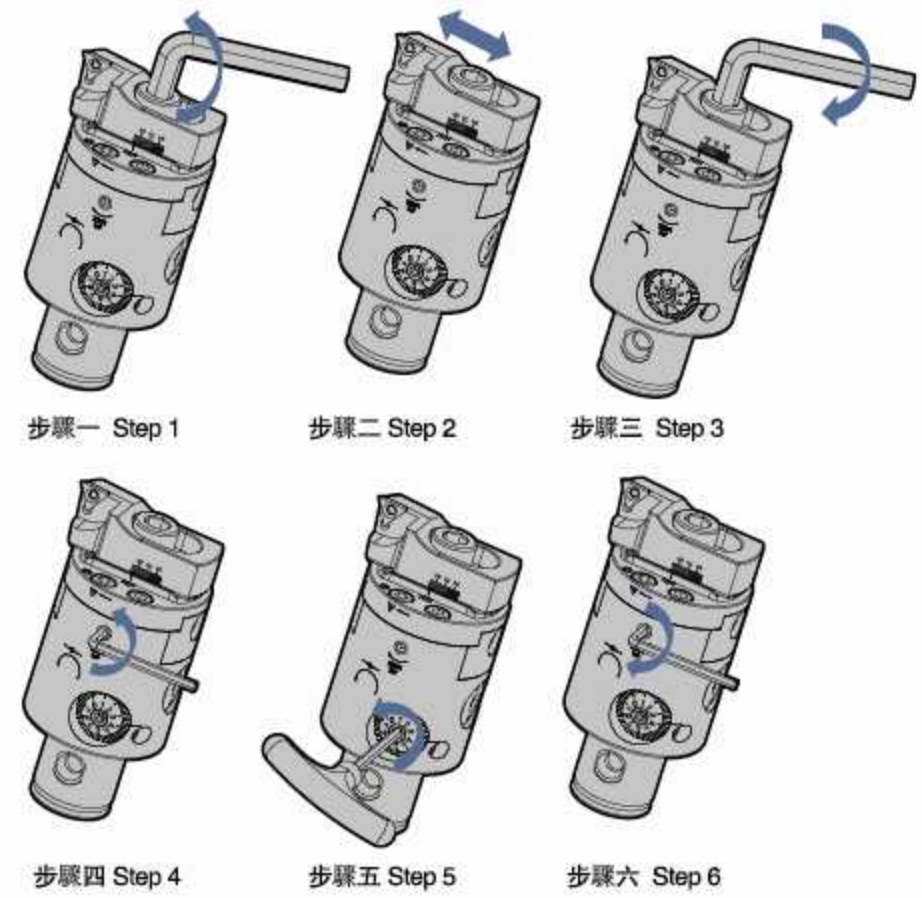
FBH Micro-Boring Head Manuals
FBH極細微調精鏜刀使用説明書

使用步驟/Operating Instructions

步驟一：鬆開刀座上鎖緊螺釘（逆時針旋轉）圖
步驟二：移動刀片座（圖）位置預調至需加工尺寸
（參考刀片座上刻度綫尺寸）
步驟三：擰緊刀座鎖緊螺釘（順時針旋轉）圖
步驟四：鬆開微調鎖緊螺釘（逆時針旋轉）圖
步驟五：轉動微調刻度盤（逆時針旋轉）圖
使加工直徑增大，反之減小（每格0.002mm）
調整尺寸加工時，請按同方向旋轉結束，以確保微調精度
步驟六：擰緊微調鎖緊螺釘（順時針旋轉）圖
完成調整

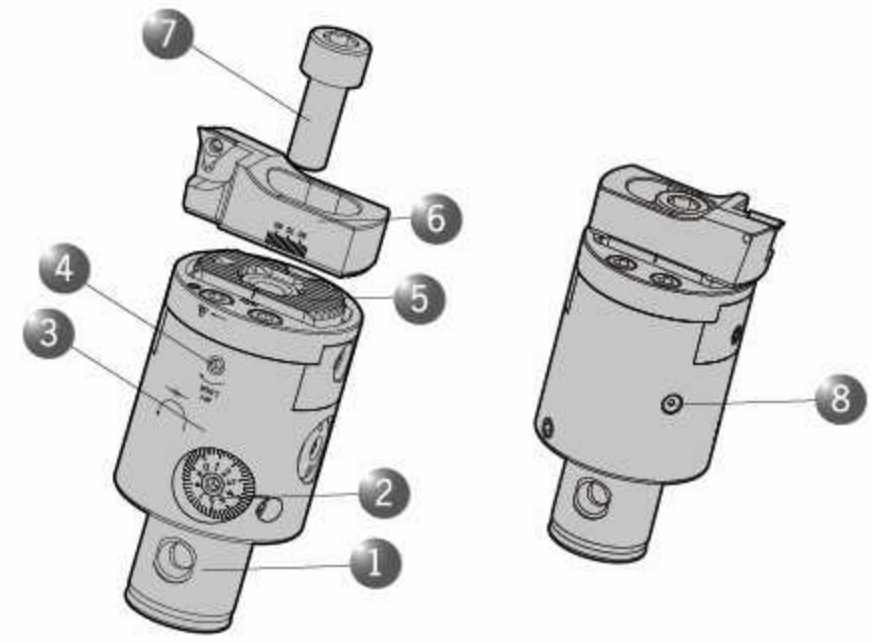
Step 1: Unlock the clamping screw (See figure 6) anti-clockwise.
Step 2: Move the insert holder (See figure 5 to the required.
working diameter according to the reference line marked on the tool and insert holder.
Step 3: Fasten the clamping screws (See figure 6) clockwise.
Step 4: Loosen the locking screw (See figure 4) anti-clockwise.

操作示意圖Instruction



產品結構/Manuals

1 Connection part 鏜頭柄部
2 Adjusting panel 微調刻度盤
3 Tool body 鏜頭主體
4 Locking screw 微調鎖緊螺釘
5 Slide carriage 滑塊
6 Insert holder 刀片座
7 Clamping screw 刀座鎖緊螺釘
8 Oil-feed hole 注油孔



使用者注意事項/Operating Instructions

1.在加工尺寸範圍内使用。
2.調整微調刻度盤前必須先鬆開微調鎖緊螺釘，否則内部精調機構將被破壞。
3.滑座固定，請使用專用板手調整刀座鎖緊螺釘擰緊。扭力要適當，過大會損壞鏜頭精度，過鬆會造成加工時刀座位移。
4.本產品爲精密裝置，調整微調刻度盤阻力過大時，請立即停止操作，并確認以下事項：
A.微調鎖緊螺釘是否鬆開；
B.是否超出調整範圍；
C.過度旋轉微調刻度盤，將導致鏜頭損壞。
5.用户須注入潤滑脂（圖），潤滑脂的注入量以從刻度盤周圍滲出爲止，潤滑脂的作用不但起到潤滑的作用，還可以清除滲入的冷却液和雜質；爲了防止長時間不 使用而使潤滑脂硬化，請定期轉動刻度盤。
6.請客户不要自行拆開鏜頭。

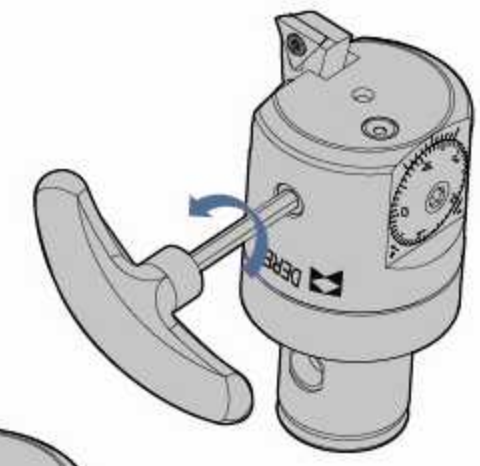
1. Use this tool within the suggested boring range.
2. Please loosen the adjusting screw before adjusting.
4. Please stop the adjustment when it is faced with a strong resistance. And make sure:
A. If the locking screws is unlocked;
B. If the adjustment is within the suggested work range;
C. If there is damage to the tool because of over-adjustment on the adjusting panel.
5. Lubrication grease shall be injected through the oil-feed hole properly (till some lubrication grease can be found on the face of adjusting panel).
6. Disassembling of the tool without suggestion is not suggested.

使用步驟/Operating Instructions

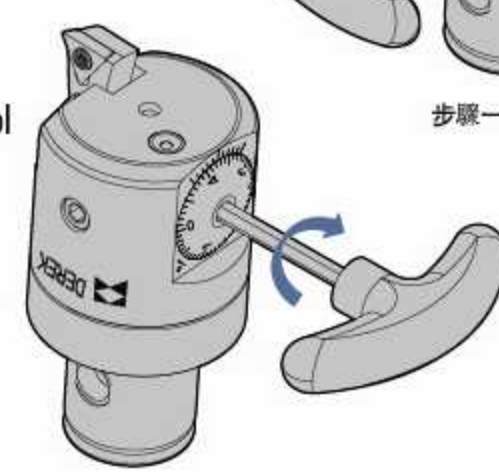
準備工作：須先確認刀片安裝是否匹配，刀片座堅固螺絲是否鎖緊
步驟一：鬆開微調鎖緊螺釘（逆時針旋轉）圖
步驟二：旋轉微調刻度盤（圖）順時針旋轉使加工直徑增大，逆時針旋轉加工直徑縮小（刻度盤每格爲直徑0.01mm）
步驟三：調整尺寸加工時，請按同方向旋轉結束，以確保微調精度
步驟四：以適當力度擰緊微調鎖緊螺釘（順時針旋轉）圖完成調整

Checking before adjustment: Make sure right inserts mounted and screw for insert holder fastened properly.
Step 1: Unlock the clamping screw (See figure 1) anti-clockwise.
Step 2: Move the insert holder (See figure 2、3) to the required. working diameter according to the reference line marked on the tool and insert holder.
Step 3: Fasten the clamping screws (See figure 4) clockwise.
Step 4: Loosen the locking screw (See figure 1) anti-clockwise.

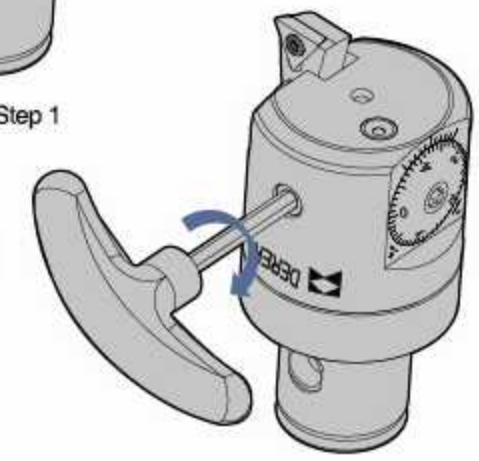
操作示意圖Instruction



步驟一 Step 1



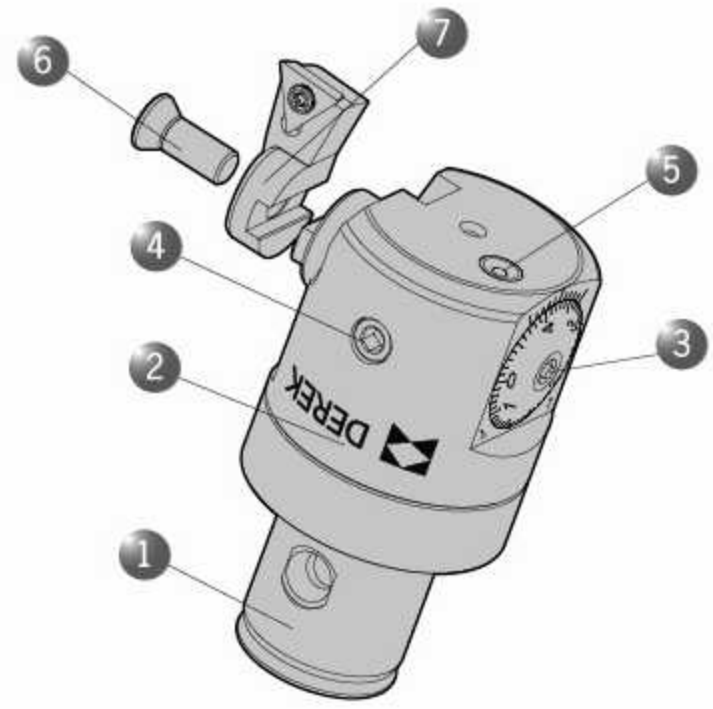
步驟二、三 Step 2、3

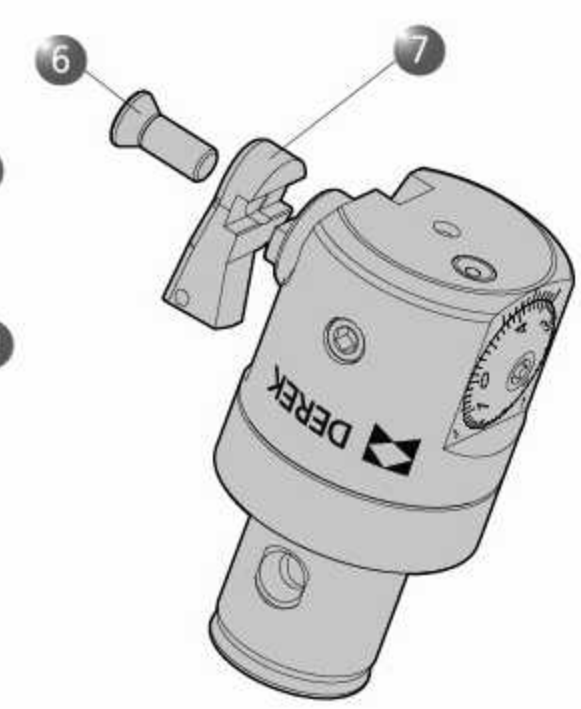


步驟四 Step 4

產品結構/Manuals

1. Connection part 鏜頭柄部
2. Tool body 鏜頭本體
3. Adjusting scales 微調刻度盤
4. Locking screw 微調鎖緊螺釘
5. Oil-feed hole 注油孔
6. Clamping screw 刀片座鎖緊螺釘
7. Insert holder 刀片座





使用者注意事項/Operating Instructions

1.請在調整範圍内加工使用。
2.調整微調刻度盤前，必須鬆開微調鎖緊螺釘，否則會對内部精調機構造成損壞。
3.本產品是由調整微調刻度盤帶動精密螺杆旋轉，來實現刀片座移動。
在阻力過大或無法轉動時，請立即停止調整，并確認以下事項：
A.微調鎖緊螺釘是否鬆開；
B.是否超出調整範圍。
4.使用反鏜功能時，主軸必須反轉。
5.用户須注入潤滑脂（圖），潤滑脂的注入量以從刻度盤周圍滲出爲止，潤滑脂的作用不但起到潤滑的作用，還可以清除滲入的冷却液和雜質；爲了防止長時間不使用而使潤滑脂硬化，請定期轉動刻度盤。
6.請客户不要自行拆開鏜頭。

1. Use this tool within the suggested boring range.
2. Please loosen the adjusting screw before adjusting.
3. Please stop the adjustment when it is faced with a strong resistance. And make sure:
A. If the locking screws is unlocked;
B. If the adjustment is within the suggested work range;
4. The machine spindle shall run anti-clockwise when the function of back boring is adopted.
5. Lubrication grease shall be injected through the oil-feed hole properly (till some lubrication grease can be found on the face of adjusting panel).
6. Disassembling of the tool without suggestion is not suggested.

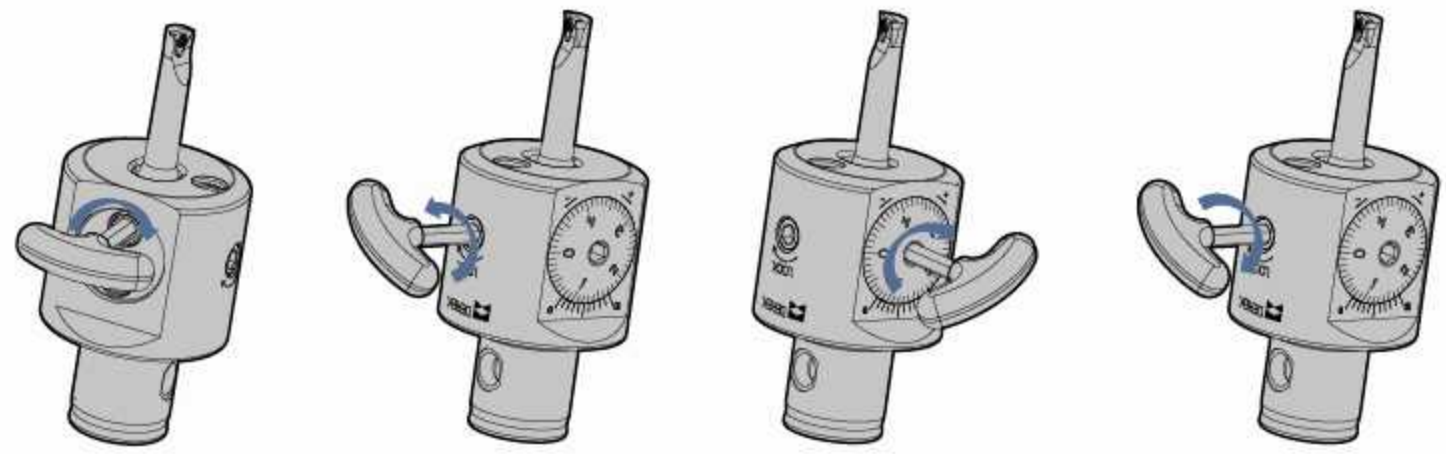
DBJ10/16 Micro-Boring Head Manuals
DBJ10/16微調精密鏜頭使用説明書

使用步驟/Operating Instructions

步驟一：選擇加工範圍内刀杆，置于鏜頭安裝孔内，使刀杆削平面對準固定螺絲緊固方向，并確認刀尖處于鏜頭微調正方向。擰緊刀杆鎖緊螺釘（圖）
步驟二：鬆開微調鎖緊螺釘（圖） 逆時針旋轉
步驟三：調整微調旋鈕（圖）順時針使加工尺寸增大，反之減小。調整尺寸時，請按同方向微調，以確保微調精度。精度爲每小格0.01mm
步驟四：微調至所需尺寸後，以適當扭力鎖緊微調鎖緊螺釘（圖） 順時針旋轉

Step 1: Hold right boring bar in right hole. Make sure weldon part of boring bar is to the position of lock screw and cutting edge of boring bar is to the the position of adjusting panel. Fasten the locking screw properly.
Step 2: Loosen adjusting screw (see figure 4) anti-clockwise.
Step 3: Enlarge the boring diameter by adjusting on the adjusting panel (see figure 2) anti-clockwise, while adjusting clockwise is to reduce the boring range.
Step 4: Adjust till the boring diameter required and lock the adjusting screw properly.

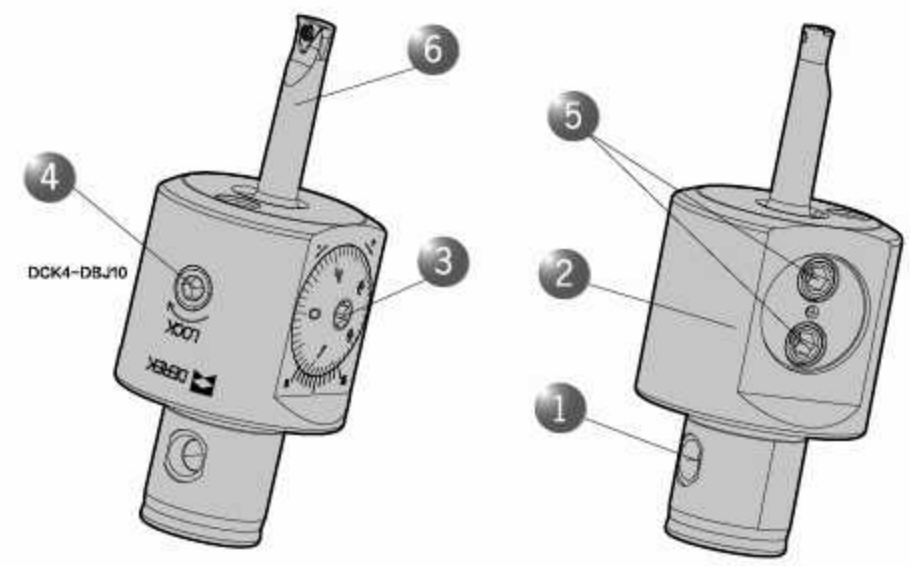
操作示意圖Instruction



步驟一 Step 1　步驟二 Step 2　步驟三 Step 3　步驟四 Step 4

產品結構/Manuals

1. Connection part 鏜頭柄部
2. Tool body 鏜頭本體
3. Adjusting knob 微調旋鈕
4. Locking screw 微調鎖緊螺釘
5. Mounting screw 鏜刀杆鎖緊螺釘
6. Boring bar 鏜刀杆



使用者注意事項/Operating Instructions

1.請在加工範圍内(Φ8-50mm)使用。
2.調整微調旋鈕前必須鬆開微調鎖緊螺釘，否則會導致微調機構損壞。
3.請使用專用扳手固定微調鎖緊螺釘，扭力要適當，過緊會導致芯軸移位，過鬆會造成精度不良。
4.本產品爲精密機構，當阻力過大微調刻度盤無法轉動時，請立即停止調整，并確認以下事項
A.微調鎖緊螺釘是否鬆開；
B.是否超出調整範圍；
C.當過度旋轉調整刻度盤會微調導致精密機構損壞。

1.Please use this tool within work range (Φ8-50mm).
2.Please loosen the adjusting screw before adjusting.
3.Please fasten the adjusting knob by means of special wrench properly.
4.Please stop the adjustment when it is faced with a strong resistance, or it is not able to go on. And make sure:
A. If the locking screws is unlocked;
B. If the adjustment is within the suggested work range;
C.Over adjustment will bring damage to the tool irreversibly.

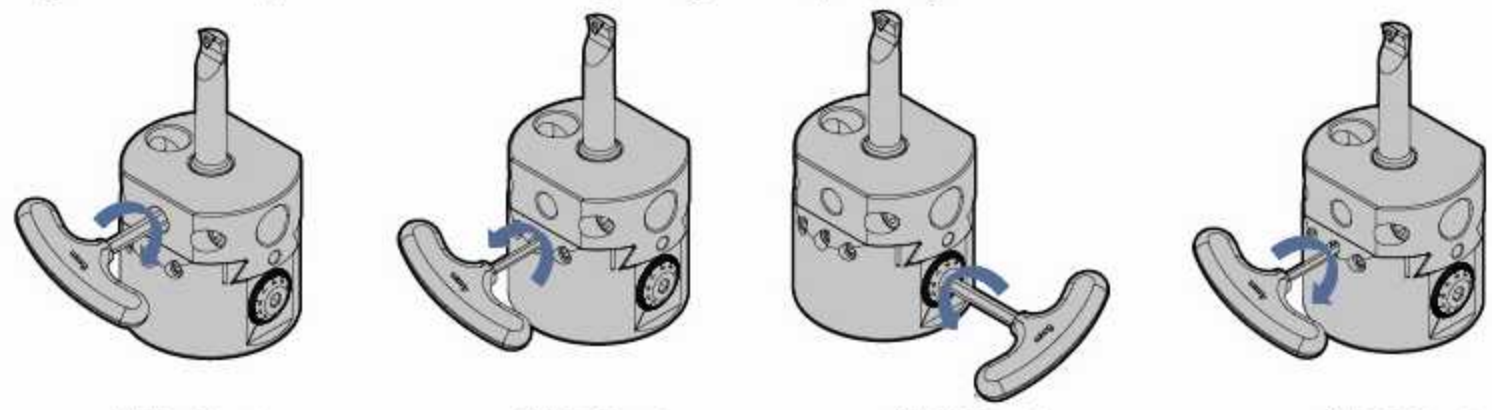
NBH2084 Micro-Boring Head Manuals
NBH2084微調精密鏜頭使用説明書

使用步驟/Operating Instructions

步驟一：選擇加工範圍内刀杆（圖），置于鏜頭安裝孔内（A圖 B圖 C圖），使刀杆削平面對準固定螺絲緊固方向，并確認刀尖處于鏜頭微調正方向
步驟二：鬆開微調鎖緊螺釘（圖） 逆時針旋轉
步驟三：調整微調旋鈕（圖）逆時針使加工尺寸增大，反之减小。調整尺寸時，請按同方向微調，以確保微調精度。精度爲每小格0.01mm
步驟四：微調至所需尺寸後，以適當扭力鎖緊微調鎖緊螺釘（圖）順時針旋轉

Step 1: Hold right boring bar (see figure 6) in right hole (see pic A, B, C). Make sure weldon part of boring bar is to the position of lock screw and cutting edge of boring bar is to the the position of adjusting panel.
Step 2: Loosen adjusting screw anti-clockwise.
Step 3: Enlarge the boring diameter by adjusting on the adjusting panel (see figure 2) anti-clockwise, while adjusting clockwise is to reduce the boring range.
Step 4: Adjust till the boring diameter required and lock the adjusting screw properly.

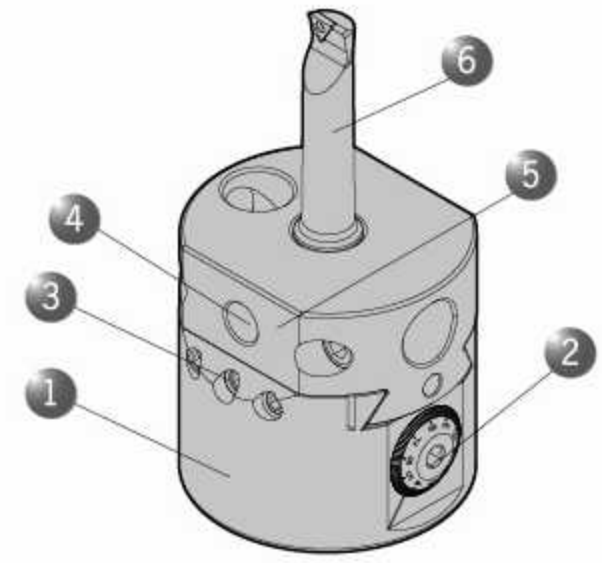
操作示意圖Instruction



步驟一 Step 1　步驟二 Step 2　步驟三 Step 3　步驟四 Step 4

產品結構/Manuals

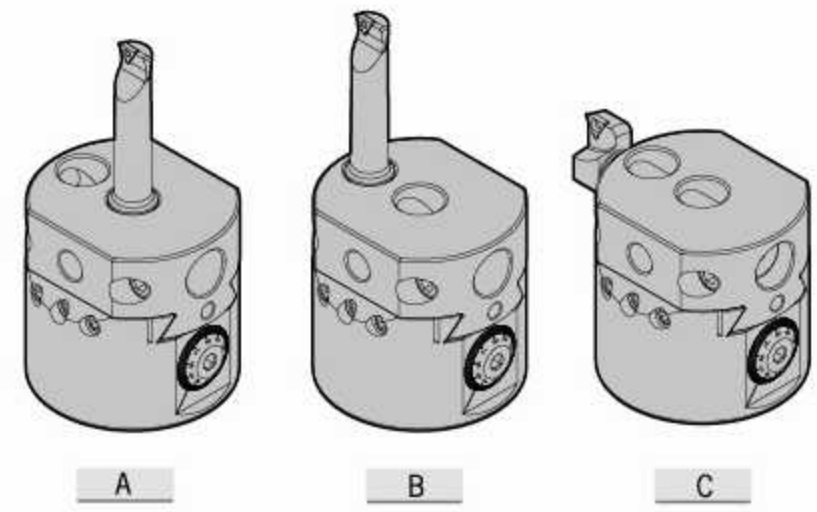
1. Tool body 鏜頭本體
2. Adjusting panel 微調旋鈕
3. Adjusting screw 微調鎖緊螺釘
4. Locking screw 鏜刀杆鎖緊螺釘
5. Movable part 移動滑塊
6. Boring bar 鏜刀杆



使用者注意事項/Notices Of The User

1.請在加工範圍内(Φ8-280mm)使用。
2.調整微調旋鈕前必須鬆開，微調鎖緊螺釘，否則會導致微調機構損壞。
3.請使用專用扳手固定微調鎖緊螺釘，扭力要適當，過緊會導致芯軸移位，過鬆會造成精度不良。
4.本產品爲精密機構，當阻力過大微調刻度盤無法轉動時，請立即停止調整，并確認以下事項
A.微調鎖緊螺釘是否鬆開
B.是否超出調整範圍
C.當過度旋轉微調刻度盤會導致精密機構損壞。

1.Please use it within work range (Φ8 - 280 mm).
2.Please loosen the adjusting screw before adjusting.
3.Please use special wrench to lock the adjusting screw properly.
4.Please stop the adjustment when it is faced with a strong resistance, And make sure:
A.If the locking screws is unlocked;
B.If the adjustment is within the suggested work range;
C.Over adjustment will bring damage to the tool irreversibly.



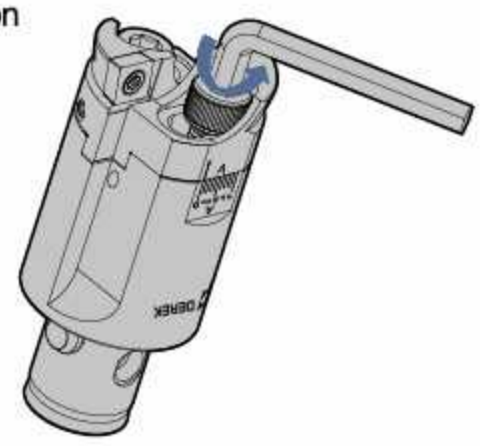
ABH/DBH Twin Cutter Rough Boring Head Manuals
ABH/DBH雙刃粗鏜頭使用説明書

使用步驟/Operating Instructions

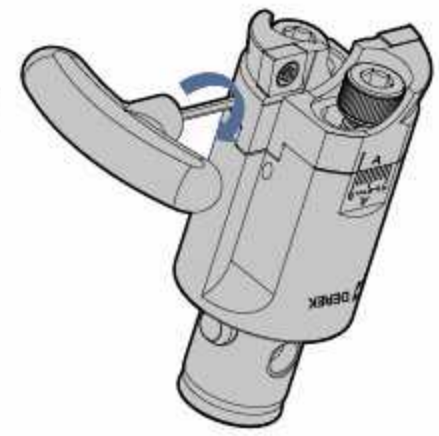
ABH/DBH粗鏜頭爲雙刃鏜頭可先調整一側。
步驟一：鬆開刀片座鎖緊螺釘（圖）逆時針旋轉
步驟二：旋轉刀片座調整螺釘（圖），推動刀片座（圖）到預定尺寸可參照刻度綫
步驟三：適當扭力擰緊刀片座鎖緊螺釘（圖）順時針旋轉調整另一側同上

Adjustment starts one of twin insert holders on ABH/DBH boring head.
Step 1: Unlock adjusting screw anti-clockwise. (see figure 5)
Step 2: Loosen clamping screw (See figure 3). Move insert holder to the required position according to the reference line marked on the tool body. (see figure 4)
Step 3: Fasten clamping screw properly .(see figure 5)
Follow the same steps aforementioned to adjust the other insert holder.

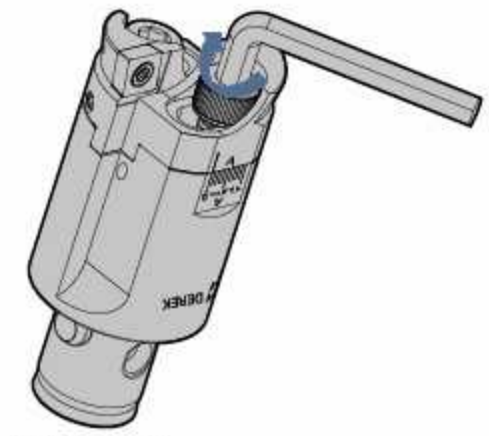
操作示意圖Instruction



步驟一 Step 1



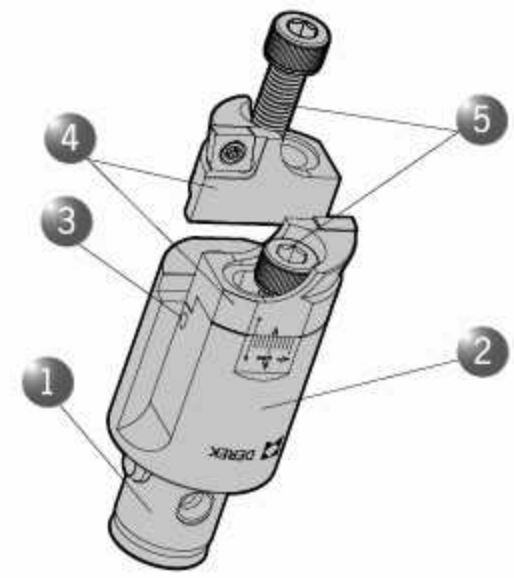
步驟二 Step 2



步驟三 Step 3

產品結構/Manuals

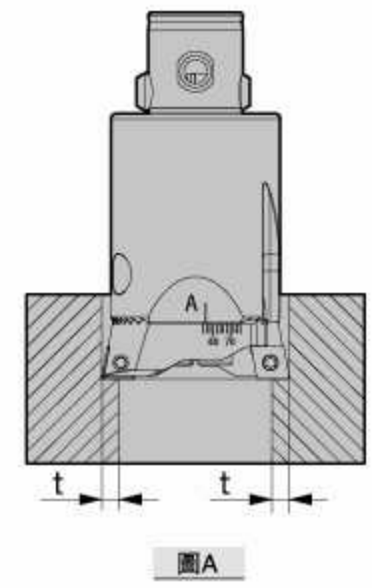
1. Connection part 鏜頭柄部
2. Tool body 鏜頭本體
3. Adjusting screw 刀片座調整螺釘
4. Insert holder 刀片座
5. Clamping screw 刀片座鎖緊螺釘



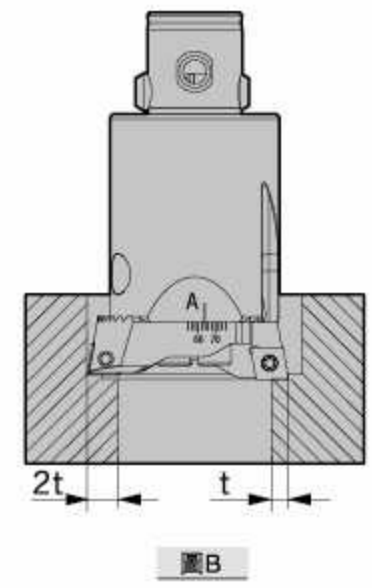
加工方法/Boring Options

ABH/DBH粗鏜頭有兩種加工方式
1.等刃式切削加工，A刀片座裝于A面，B刀片座裝于B面。
適用于小餘量加工切削平穩。（圖A）
2.錯齒式切削加工，A刀片座裝于B面，B刀片座裝于A面。
形成高低刃，適用于大餘量加工。（圖B）

Two boring options available with ABH/DBH rough boring head.
1. Balanced cutting: Insert holder A on side A, while insert holder B on side B. For stable cutting with a small stock allowance. (See figure A)
2. Stepped cutting: Insert holder on B side and insert holder B on side A. For cutting with a big stock allowance. (See figure B)



圖A



圖B

使用者注意事項/Notices Of The User

采用錯齒式切削，切削量調整時須高刃與低刃相同。以平衡兩邊所受切削力，防止共振發生，避免單刃受力過大受損。
Make sure the cutting data for the two insert holders are same when stepped cutting is adopted.

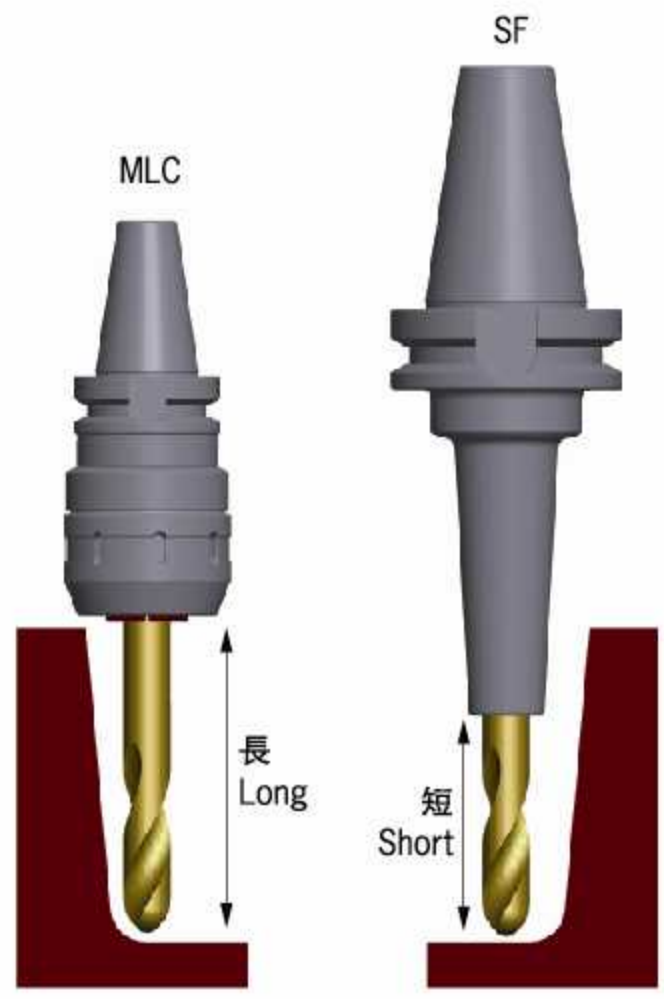


DSF Shrink Fit Holder

DSF燒結式熱裝刀柄（分體式）

特 點 / Feature





刀杆懸伸最短
Tool shortest overhang

最適合深腔加工
The most suitable machining deep cavities

剛性2倍
2 times the rigidity

Milling Chuck (Heavy Duty With Dust-proof Ring)

强力銑刀柄（帶防護罩型）

特 點 / Feature



深冷處理方式和作用/Subzero Treatment And Characteristics

德克部分刀具（包括强力刀柄，高速刀柄等產品）按一定的工藝經過-100～-120C的深冷處理。材料在這種超低温下，内部殘留奥氏體轉化成馬氏體，從而消除了内應力；加强了碳原子析出的驅動力，于是馬氏體析出大量超細微碳化物，這些超細微碳化物提高了材料的强度，同時增加了耐磨性與剛性。

At the temperature of -100～-120°C, part of DEREK TOOLS (including power milling chucks,high-speed tool holders,etc) are processed with the specific superzero treatment. With such a low temperature, the austenite remained in the material will transform to the martensite,thus it eliminates the innerstress; As the driving power of seperating the carbon atom being strengthened, the martensite seperates a lot of super carbide which could increase the intensity,abrasive resistance and rigidity of the material.

冷 /Cold

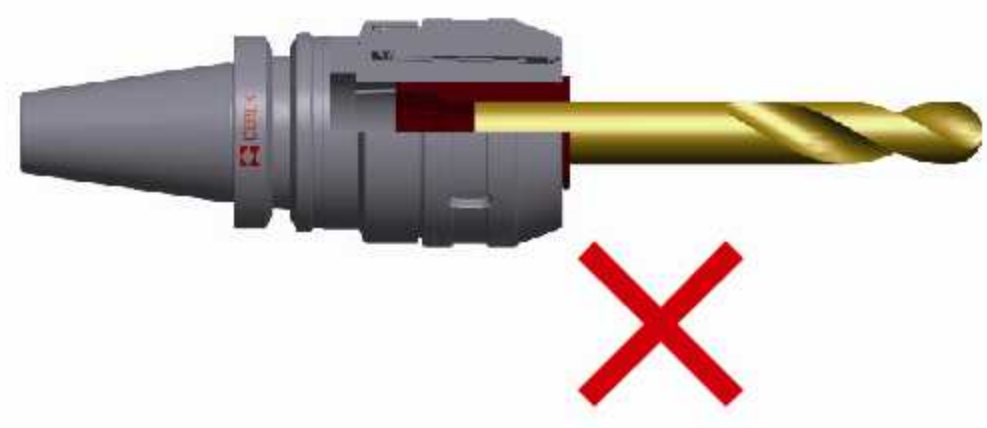
1.增强刀具材料的抗磨性、强度；
2.增强刀具材料的韧性和抗衝擊性；
3.提高抗疲勞强度和消除内應力；
4.提高了刀具材料的穩定性和機械性能；
5.延長了刀具使用壽命，增加了换刀、磨刀次數，降低了生產成本。

1.Enhance the abrasive resistance and intensity of cutting tools;
2.Enhance the roughness and impact resistance of cutting tools;
3.Improve the fatigue resistance and eliminate the innerstress;
4.Improve the stability and mechanical performance of cutting tools;
5.Extend the service life, increase the times of changing and grinding cutting tools.

使用者注意事項/Notices Of The User

請選用直徑公差等級高于h7級的刀具，當選用柄部直徑偏小的刀具時會導致夾不緊而產生溜刀現象。
禁止無刀狀態下進行空夾。
Choose tools with a diameter tolerance higher than h7.
No free clamping allowed.

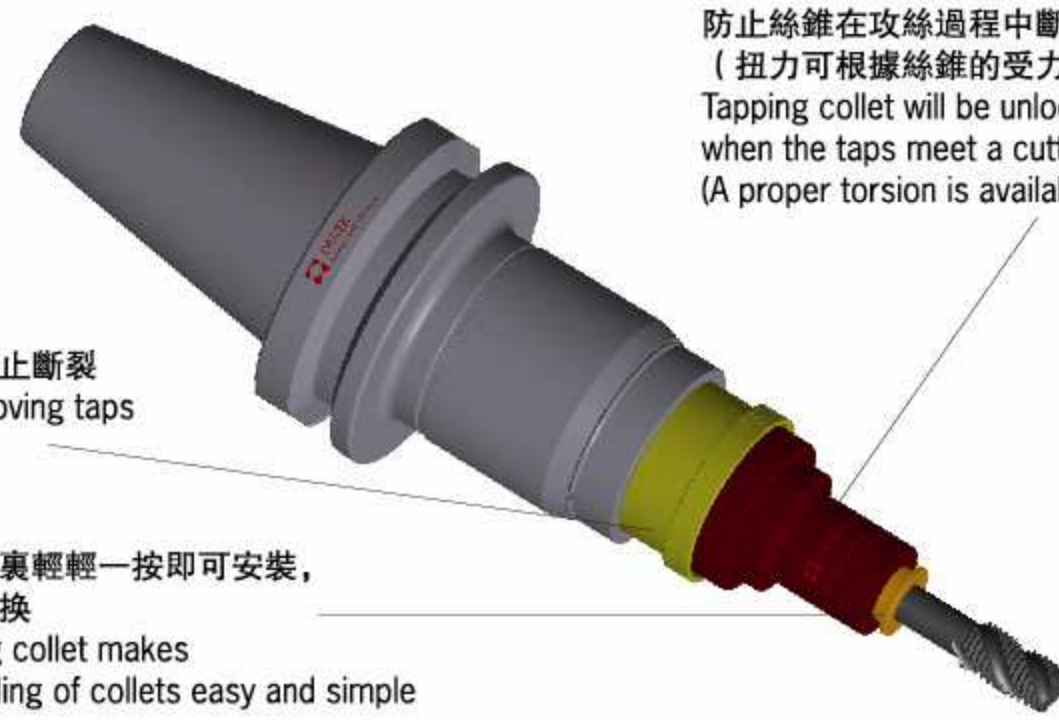




TPM Tapping Chuck With High Rigidity And TPC Tapping Collet

TPM扭力伸縮攻牙刀柄及TPC攻牙筒夾

特 點 / Feature

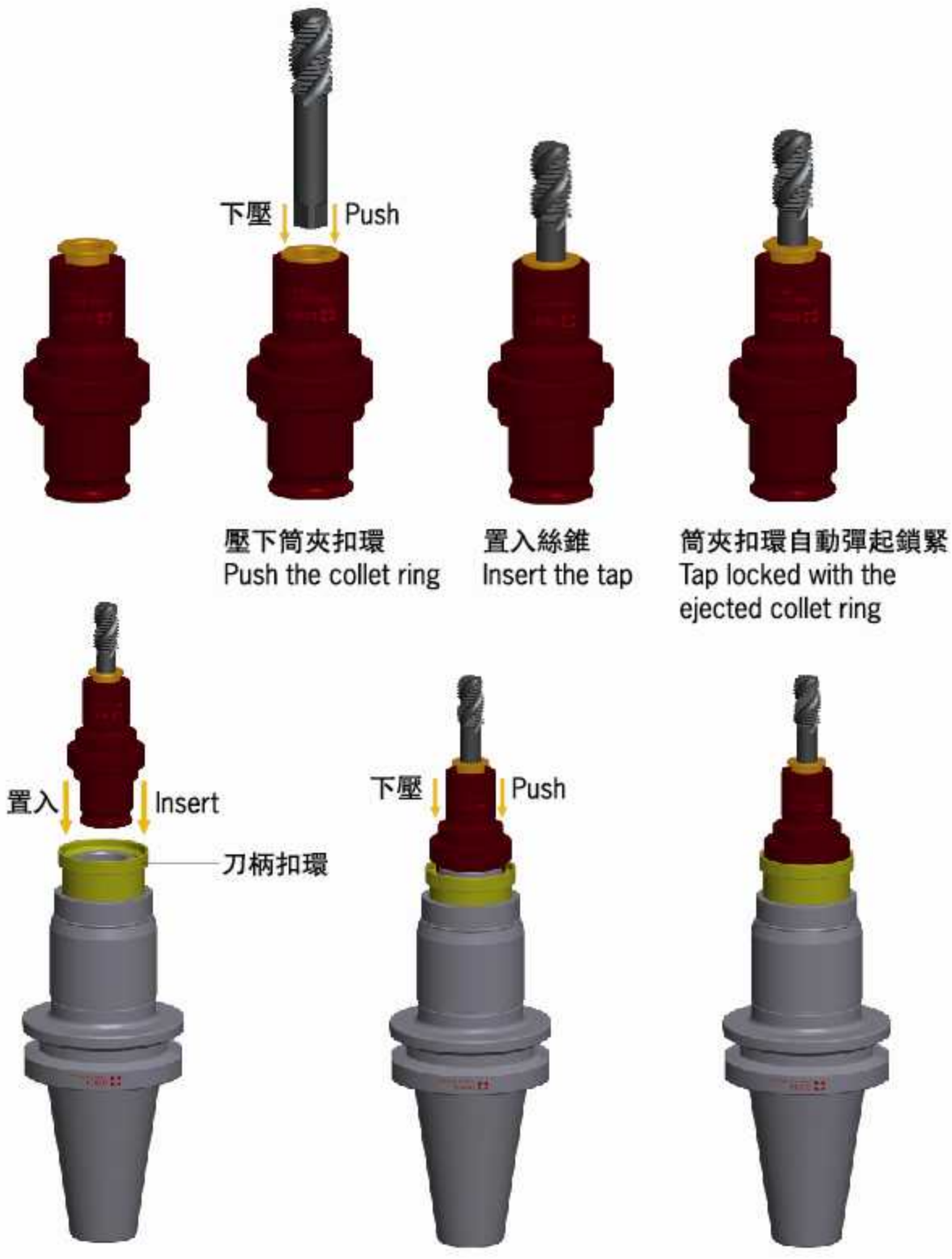


扭力過載保護，在攻絲阻力較大時可自動使絲錐筒夾打滑，
防止絲錐在攻絲過程中斷裂損壞。
（扭力可根據絲錐的受力情況進行調節，詳見示意圖）
Tapping collet will be unlocked automatically,
when the taps meet a cutting resistance out of working range.
(A proper torsion is available by adjusting. See fig.)

具有軸向伸縮保護功能，
可補償攻絲時的螺距誤差，
在退出絲錐時起到保護作用防止斷裂
To protect the taps during removing taps

快換式絲錐筒夾設計，衹需向裏輕輕一按即可安裝，
卸下絲錐。易于操作，便于更換
Quick-change design of tapping collet makes
the assembling and un-assembling of collets easy and simple

操作示意圖 / Operation Schematic



壓下筒夾扣環
Push the collet ring

置入絲錐
Insert the tap

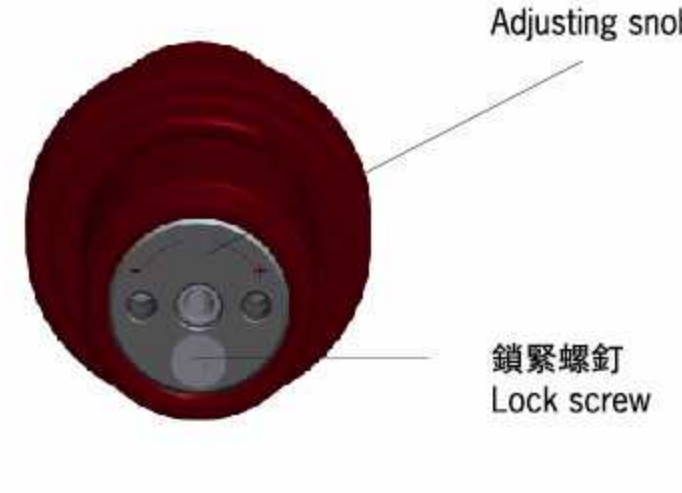
筒夾扣環自動彈起鎖緊
Tap locked with the
ejected collet ring

置入TPD筒夾
并向下壓入自動鎖緊
Push the TPD collet to lock

卸下時刀柄扣環順時針旋轉
則TPD筒夾自動彈出
Remove the collet
by moving it clockwisely

當加工過程中經常出現TPD筒夾打滑現象，
則需適當加大筒夾安全扭矩
鬆開圖中鎖緊螺釘，
順時針轉動扭矩調整旋鈕（“+”方向）
When the TPD tapping collet is unlocked
automatically during tapping,
please increase the torque of collect properly.
Loose the lock screw, adjust the knob in “+” direction.

加工過程中經常出現絲錐斷裂現象，則反之。
鬆開圖中鎖緊螺釘，
逆時針轉動扭矩調整旋鈕（“–”方向）
When a tap meets breakage during tapping,
please decrease the torque of collet properly.
Loose the lock screw, adjust the knob in “-” direction.



德克刀柄相關知識 / The Instruction of Derek tool holder

■ 加工中心的主軸錐孔分類：錐度爲7:24的通用系統和1:10的HSK真空系統。
■ 7:24錐度刀柄之各國標準：BT標準爲最通用刀柄適配MAS403機床，另有DIN69871機床即所謂的SK德國標準，美國ANSI B5.50 機床即使用CAT美標刀柄。
■ 德克品牌系列7:24刀柄錐度精密＜AT3。
■ 德克品牌刀柄常用材料選用低碳鋼SCM415或SNCM220以上材料，不同種類刀柄所選材質根據實際需要也有所不同。
■ 熱處理工藝：滲碳處理，表面有約0.8mm的滲碳層，此滲碳層硬度達HRC60°左右，接近機床主軸硬度，主軸夾持刀柄高速旋轉下刀柄貼合面保持精度不變，表面不易變形。而刀柄心部硬度依舊保持HRC40°左右，內軟外硬的特性使德克刀柄既具備柔韌性，又不失抗振性。實踐證明，使用德克品牌刀柄加工之後的工件表面光潔度比一般刀柄更好。
■ 刀柄要預設標準動平衡G6.3或高精度動平衡G2.5的請特別注明，我們將做另外報價。
■ 客户想了解德克刀柄的精度、出廠日期及質量保證等信息，可在所訂購產品的包裝盒內找到檢驗報告，每個刀柄出廠前我們都做了三次以上的質量檢驗，請放心使用。

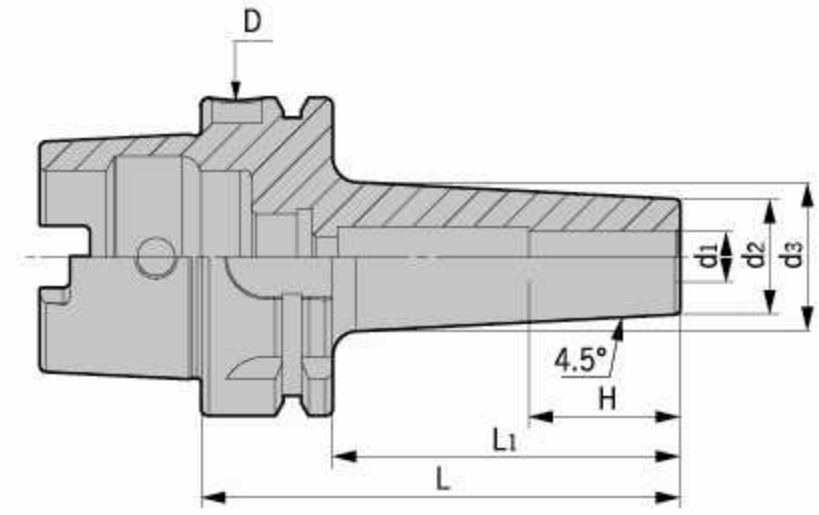
■ The category of taper hole in machine holders: the universal system with taper of 7:24 and the HSK vacuum system with taper of 1:10.
■ The standards of machine holder with 7:24 taper in different countries: BT standard which is the most common in Asia matches with MAS403 CNC machine; SK Germany standard matches with DIN69871 CNC machine; American CAT standard matches with the ANSI B5.50 CNC machine.
■ The precision of Derek brand series 7:24 machine holder taper＜AT3.
■ The usual material of Derek machine holder is low-carbon steel above SCM415 or SNCM22. The materials of the different kinds of machine holders are different based on the actual requirement.
■ Heat treatment craftwork: Carburization. On the surface it has 0.8mm carburized layer which has around HRC60°of the rigidity which is close to the rigidity of the machine tool's principal axis. Under high rolling with the principal axis clamping the machine holder, the precision of the machine holder's faying surface remains the same and the surface will not be deformation. But the rigidity of the holder center still remain HRC40°. The character of that soft inside and hard outside makes the Derek machine holder flexible and resistant. Our experience indicates that the finishing work piece surface processed by Derek brand machine holder is much better than other common machine holders.
■ Please inform us and mention specifically for the machine holders which requires standard dynamic balance with G6.3 or high precision dynamic balance with G2.5, which we need to quote specifically.
■ If you want to know more of Derek machine holder's precision, production date, and quality guarantee, etc, please find the inspection report in the product's packing box that you ordered. Each machine holder before leaving the factory is inspected more than three times. Please be rest assured with it.

HSK-A-SF Shrink Fit Holder

HSK-A-SF燒結式熱裝刀柄（一體式）







型號 Specification		D	d1	d2	d3	L1	L	H	重量 Weight
HSK50A-	SF3-60	50	3	12	17	34	60	9	0.4
	SF4-60	50	4	12	17	34	60	12	0.4
	SF5-60	50	5	12	17	34	60	15	0.4
	SF6-80	50	6	21	27	54	80	18	0.6
	SF8-80	50	8	21	27	54	80	24	0.6
	SF10-85	50	10	24	32	59	85	30	0.6
	SF12-90	50	12	24	32	64	90	30	0.7
	SF16-95	50	16	27	34	69	95	32	0.9
	SF20-100	50	20	33	42	74	100	40	1.2
HSK63A-	SF3-80	63	3	12	17	54	80	9	0.5
	SF4-80	63	4	12	17	54	80	12	0.6
	SF5-80	63	5	12	17	54	80	15	0.7
	SF6-80	63	6	21	27	54	80	18	0.8
	SF6-130	63	6	21	27	104	130	18	1
	SF8-80	63	8	21	27	54	80	24	0.8
	SF8-130	63	8	21	27	104	130	24	1
	SF10-85	63	10	24	32	59	85	30	0.9
	SF10-130	63	10	24	32	104	130	30	1.1
	SF12-90	63	12	24	32	64	90	30	0.9
	SF12-130	63	12	24	32	104	130	30	1.1
	SF16-95	63	16	27	34	69	95	32	1
	SF16-130	63	16	27	34	104	130	32	1.2
	SF20-100	63	20	33	42	74	100	40	1.2
	SF20-130	63	20	33	42	104	130	40	1.5
	SF25-115	63	25	44	53	89	115	45	1.4
	SF25-130	63	25	44	53	104	130	45	1.7
HSK100A-	SF6-85	100	6	21	27	56	85	18	2
	SF6-130	100	6	21	27	101	130	18	2.3
	SF8-85	100	8	21	27	56	85	24	2
	SF8-130	100	8	21	27	101	130	24	2.3
	SF10-90	100	10	24	32	61	90	30	2.2
	SF10-130	100	10	24	32	101	130	30	2.4
	SF12-95	100	12	24	32	66	95	30	2.3
	SF12-130	100	12	24	32	101	130	30	2.5
	SF16-100	100	16	27	34	71	100	32	2.5
	SF16-130	100	16	27	34	101	130	32	2.8
	SF20-105	100	20	33	42	76	105	40	2.6
	SF20-130	100	20	33	42	101	130	40	2.9
	SF25-115	100	25	44	53	89	115	45	2.8
	SF25-130	100	25	44	53	101	130	45	3.1
	SF32-120	100	32	44	53	91	120	50	3.2

特 點 / Feature

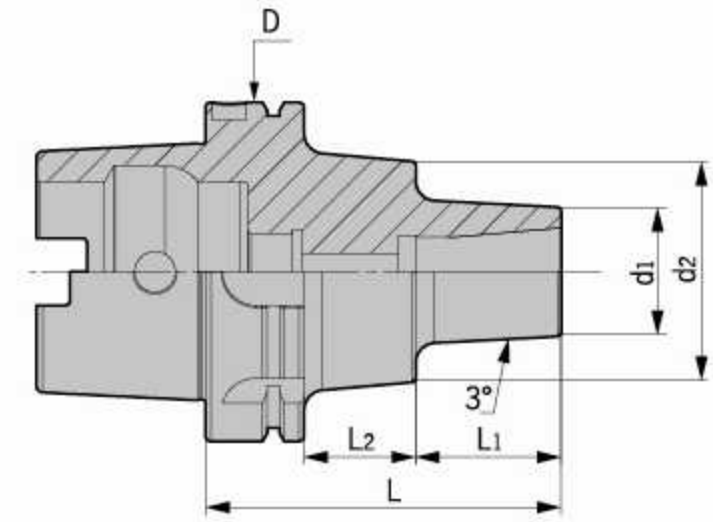
■跳動精度：＜0.005mm(4xD)。
■最高轉速可達30.000rpm;G2.5。
■Runout:below 0.005mm(length 4D).
■Max speed:30.000rpm;G2.5.

HSK-A-DSF Shrink Fit Holder

HSK-A-DSF燒結式熱裝刀柄（分體式）







型號 Specification	D	d_1	d_2	L_1	L_2	L	重量 Weight
HSK50A-DSF12-75	50	38	-	49	-	75	0.80
HSK63A-DSF12-75	63	38	-	49	-	75	1.00
DSF12-135	63	38	-	109	-	135	1.70
HSK100A-DSF12-105	100	38	65	43	33	105	3.40

特 點 / Feature

■跳動精度：＜0.005mm(4xD)。
■最高轉速可達30.000rpm;G2.5。

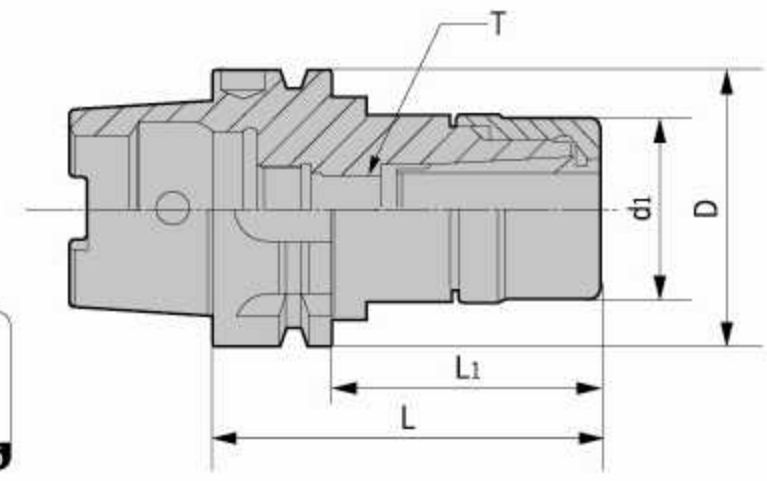
■Runout:below 0.005mm(length 4D).
■Max speed:30.000rpm;G2.5.

HSK-A-GSK High-speed Collet Chuck

HSK-A-GSK高速精密筒夾本體







型號 Specification		夾持範圍 Clamping range	D	d_1	L_1	L	T	適用筒夾 Suit collet	重量 Weight
HSK40A-	GSK6-60	2-6	40	19.5	40	60	-	GSK6	0.47
	GSK10-75	2-10	40	27	55	75	-	GSK10	0.50
HSK50A-	GSK6-60	2-6	50	19.5	34	60	-	GSK6	0.60
	GSK6-80P	2-6	50	19.5	54	80	M6X1	GSK6	0.80
	GSK10-75	2-10	50	27	49	75	-	GSK10	1.00
	GSK10-100P	2-10	50	27	74	100	M10X1.5	GSK10	1.20
	GSK16-80	3-16	50	40	54	80	-	GSK16	1.75
	GSK16-100P	3-16	50	40	74	100	M16X2	GSK16	2.00
HSK63A-	GSK6-80P	2-6	63	19.5	54	80	M6X1	GSK6	0.85
	GSK6-100P	2-6	63	19.5	74	100	M6X1	GSK6	0.95
	GSK10-75	2-10	63	27	49	75	-	GSK10	1.00
	GSK10-100P	2-10	63	27	74	100	M10X1.5	GSK10	1.40
	GSK16-80	3-16	63	40	54	80	-	GSK16	2.00
	GSK16-100P	3-16	63	40	74	100	M16X2	GSK16	2.30
	GSK16-120P	3-16	63	40	94	120	M16X2	GSK16	2.50
	GSK25-100	16.5-25.4	63	54.5	74	100	-	GSK25	2.30
	GSK25-120P	16.5-25.4	63	54.5	94	120	M20X2.5	GSK25	2.70

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HSK-A-GSK High-speed Collet Chuck

HSK-A-GSK高速精密筒夾本體

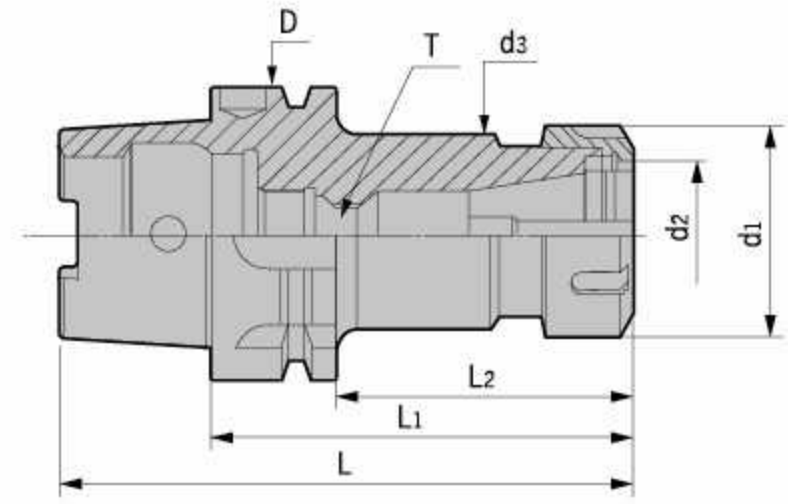
型號 Specification		夾持範圍 Clamping range	D	d1	L1	L	T	適用筒夾 Suit collet	重量 Weight
HSK100A-	GSK10-105P	2-10	100	27	76	105	M10X1.5	GSK10	2.60
	GSK10-135P	2-10	100	27	106	135	M10X1.5	GSK10	2.80
	GSK16-105P	3-16	100	40	76	105	M16X2	GSK16	2.80
	GSK16-135P	3-16	100	40	106	135	M16X2	GSK16	3.10
	GSK25-120P	16.5-25.4	100	54.5	91	120	M20X2.5	GSK25	3.20
	GSK25-150P	16.5-25.4	100	54.5	121	150	M20X2.5	GSK25	3.50

HSK-A-ER Spring Collet Chuck

HSK-A-ER彈性筒夾本體







型號 Specification		D	d1	d2	d3	L1	L2	L	T	重量 Weight
HSK40A-	ER20-80	40	34	20	32	80	60	100	M10X1.5P	0.55
	ER25-80	40	42	25	32	80	60	100	M10X1.5P	0.65
	ER32-100	40	50	32	32	100	80	120	M10X1.5P	0.90
HSK50A-	ER16-60	50	28	16	42	60	34	85	M10X1.5P	0.50
	ER16-100	50	28	16	42	100	74	125	M10X1.5P	0.60
	ER20-70	50	34	20	42	70	44	95	M12X1.75P	0.70
	ER20-100	50	34	20	42	100	74	125	M12X1.75P	0.90
	ER25-70	50	42	25	42	70	44	95	M16X2.0P	1.00
	ER25-100	50	42	25	42	100	74	125	M16X2.0P	1.10
	ER25-135	50	42	25	42	135	109	160	M16X2.0P	1.40
	ER32-80	50	50	32	42	80	54	112	M16X2.0P	1.05
	ER32-100	50	50	32	42	100	74	125	M16X2.0P	1.45
	ER32-135	50	50	32	42	135	109	160	M16X2.0P	1.90
	ER32-160	50	50	32	42	160	134	185	M16X2.0P	2.40
HSK63A-	ER16-75	63	28	16	53	75	49	107	M10X1.5P	1.00
	ER16-100	63	28	16	53	100	74	132	M10X1.5P	1.10
	ER16-120	63	28	16	53	120	94	152	M10X1.5P	1.20
	ER16-160	63	28	16	53	160	134	192	M10X1.5P	1.40
	ER20-75	63	34	20	53	75	49	107	M12X1.75P	1.00
	ER20-100	63	34	20	53	100	74	132	M12X1.75P	1.20
	ER20-120	63	34	20	53	120	94	152	M12X1.75P	1.30
	ER20-160	63	34	20	53	160	134	192	M12X1.75P	1.70
	ER25-75	63	42	25	53	75	49	107	M16X2.0P	1.10
	ER25-100	63	42	25	53	100	74	132	M16X2.0P	1.40
	ER25-120	63	42	25	53	120	94	152	M16X2.0P	1.80
	ER25-150	63	42	25	53	150	124	182	M16X2.0P	2.00
	ER32-75	63	50	32	53	75	49	107	M16X2.0P	1.30
	ER32-100	63	50	32	53	100	74	132	M16X2.0P	1.60
	ER32-145	63	50	32	53	145	119	177	M16X2.0P	2.00
	ER32-160	63	50	32	53	160	134	192	M16X2.0P	2.50

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HSK-A-ER Spring Collet Chuck

HSK-A-ER彈性筒夾本體

型號 Specification		D	d1	d2	d3	L1	L2	L	T	重量 Weight
HSK63A-	ER40-85	63	63	40	53	85	59	117	M20X2.0P	2.20
	ER40-100	63	63	40	53	100	74	132	M20X2.0P	2.40
	ER40-120	63	63	40	53	120	94	152	M20X2.0P	2.60
	ER40-160	63	63	40	53	160	134	192	M20X2.0P	2.95
HSK100A-	ER16-100	100	28	16	85	100	71	150	M10X1.5P	3.40
	ER16-160	100	28	16	85	160	131	210	M10X1.5P	3.70
	ER20-100	100	34	20	85	100	71	150	M12X1.75P	3.50
	ER20-160	100	34	20	85	160	131	210	M12X1.75P	3.90
	ER25-100	100	42	25	85	100	71	150	M16X2.0P	3.70
	ER25-160	100	42	25	85	160	131	210	M16X2.0P	4.20
	ER25-200	100	42	25	85	200	171	250	M16X2.0P	4.70
	ER32-100	100	50	32	85	100	71	150	M16X2.0P	3.90
	ER32-160	100	50	32	85	160	131	210	M16X2.0P	4.70
	ER32-200	100	50	32	85	200	171	250	M16X2.0P	5.20
	ER40-100	100	63	40	85	100	71	150	M20X2.0P	4.30
	ER40-160	100	63	40	85	160	131	210	M20X2.0P	5.00
	ER40-200	100	63	40	85	200	171	250	M20X2.0P	5.60

注意：報價時含螺帽，筒夾和扳手需單獨訂購。
Notice:Quotation includes hex nut, while collets and wrenchs shall be ordered separately.

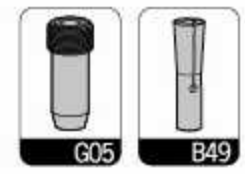
特點 / Feature

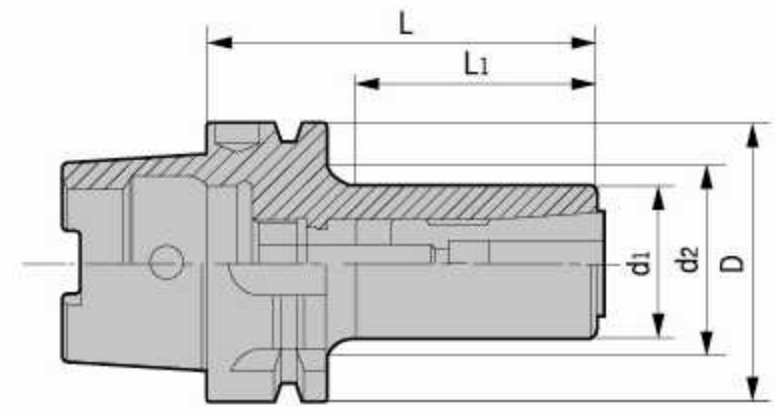
■最大速度:20,000 r.p.m G2.5。
■Max speed:20,000 r.p.m G2.5.

HSK-A-DC Precision Slim Collet Chuck

HSK-A-DC小徑精密夾頭本體





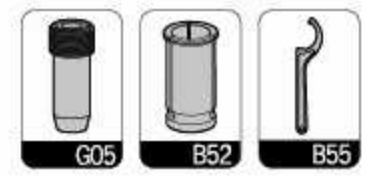


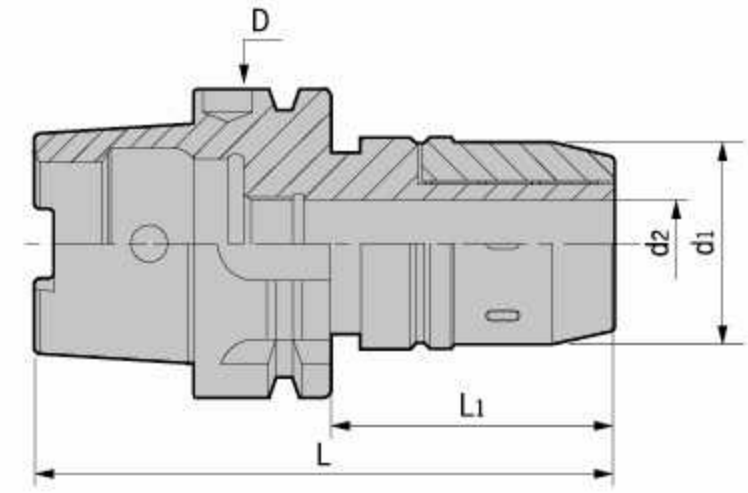
型號 Specification		D	d1	d2	L1	L	適用筒夾 Suit collet	拉緊螺釘 Tension screw	止動螺母 Stop screw	T型扳手 Wrench	重量 Weight
HSK50A-	DC6-75	50	14	22.5	34	75	DC6	E050U250	ZD6-4	T04	0.67
	DC6-100	50	14	29	48	100	DC6	E050U500	ZD6-4	T04	0.70
HSK63A-	DC6-75	63	14	22.5	34	75	DC6	E050U200	ZD6-5	T04	0.80
	DC6-95	63	14	29	45	95	DC6	E050U400	ZD6-5	T04	0.90
	DC6-120	63	14	37	53	120	DC6	E050U650	ZD6-5	T04	1.10
	DC6-150	63	14	40	80	150	DC6	E050U950	ZD6-5	T04	1.20
	DC8-100	63	22	37	48	100	DC8	E060U400	ZD8-2	T05	1.10
	DC10-110	63	28	45	55	110	DC10	E080U300	ZD10-2	T06	1.20
	DC12-120	63	34	51.5	65	120	DC12	E100U350	ZD12-1	T08	1.30

HSK-A-HPC High Speed Milling Chuck

HSK-A-HPC高速精密强力銑刀夾頭







型號 Specification		夾持範圍 Clamping range	D	d1	d2	L1	L	適用筒夾 Suit collet	重量 Weight
HSK63A-	HPC20-110	3-20	63	54	20	84	110	SC20	1.60
	HPC32-110	3-32	63	68	32	84	110	SC32	2.20
HSK100A-	HPC20-105	3-20	100	54	20	79	105	SC20	4.10
	HPC32-105	3-32	100	68	32	79	105	SC32	4.90
	HPC32-135	3-32	100	68	32	109	135	SC32	5.80
	HPC42-115	3-32	100	68	42	89	115	SC42	5.50

特 點 / Feature

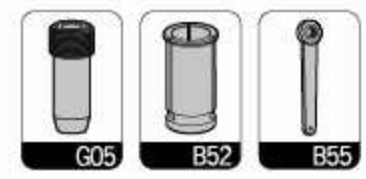
■HPC刀具系列用途高轉速、高精密切削加工，切削效果佳。
■特殊防塵設計，提升刀柄壽命。
■最大速度:30,000 r.p.m G2.5。

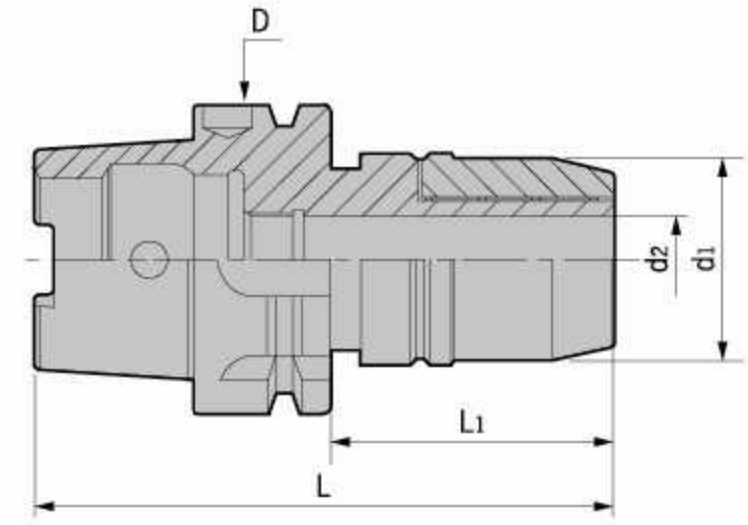
■HPC tooling systems are suitable for high-speed and high precision cutting.
■Dust-proof design, ensure a long service life.
■Max speed:30,000 r.p.m G2.5.

HSK-A-HPM High Speed Milling Chuck

HSK-A-HPM高速精密强力銑刀夾頭







型號 Specification		夾持範圍 Clamping range	D	d1	d2	L1	L	適用筒夾 Suit collet	重量 Weight
HSK50A-	HPM16-80	3-16	50	54	16	54	80	SC16	1.00
HSK63A-	HPM16-80	3-16	63	54	16	54	80	SC16	1.30
	HPM16-100	3-16	63	54	16	74	100	SC16	1.50
	HPM20-85	4-20	63	54	20	59	85	SC20	1.70
	HPM32-115	6-32	63	54	32	89	115	SC32	2.50
HSK100A-	HPM16-115	3-16	100	54	16	86	115	SC16	3.60
	HPM20-115	4-20	100	54	20	86	115	SC20	4.20
	HPM32-115	6-32	100	68	32	86	115	SC32	5.00

特 點 / Feature

■HPM刀具系列用途高轉速、高精密切削加工，切削效果佳。
■HPM16,HPM20,HPM32刀柄均附C型扳手。
■特殊防塵設計，提升刀柄壽命。
■最大速度:30,000 r.p.m G2.5。

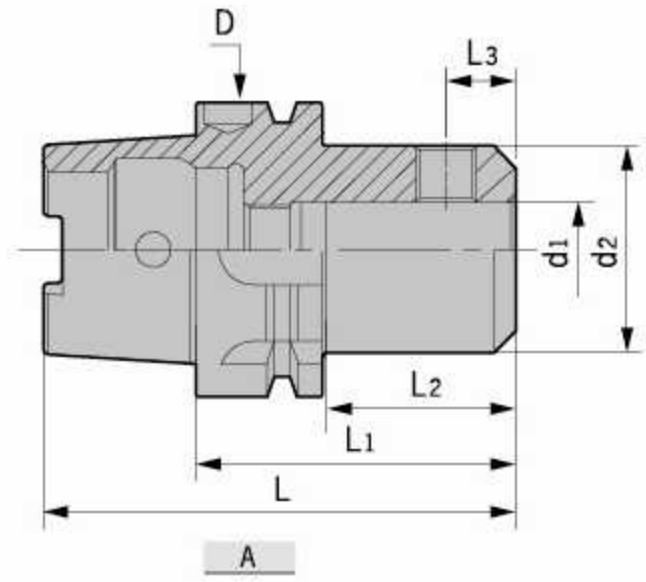
■HPM tooling systems are suitable for high-speed and high precision cutting.
■HPM16,HPM20,HPM20 milling chuck attached 1 PC of C-type Wrench.
■Dust-proof design, ensure a long service life.
■Max speed:30,000 r.p.m G2.5.

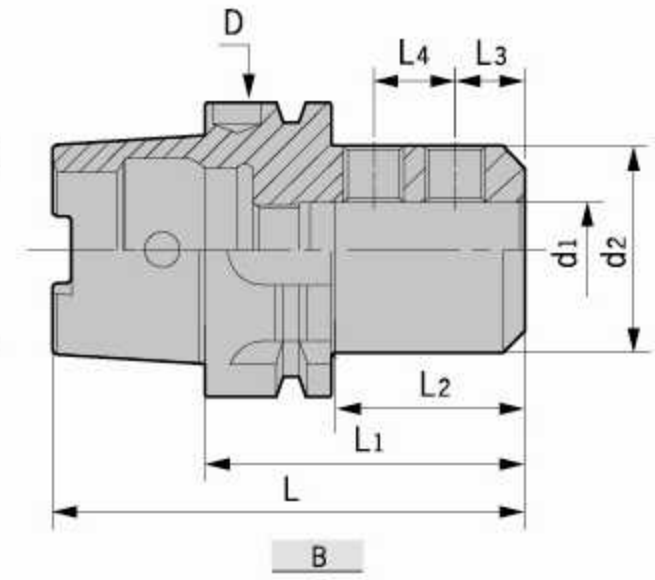
HSK-A-SLN Side-lock End Mill Holder

HSK-A-SLN側固式立銑刀柄









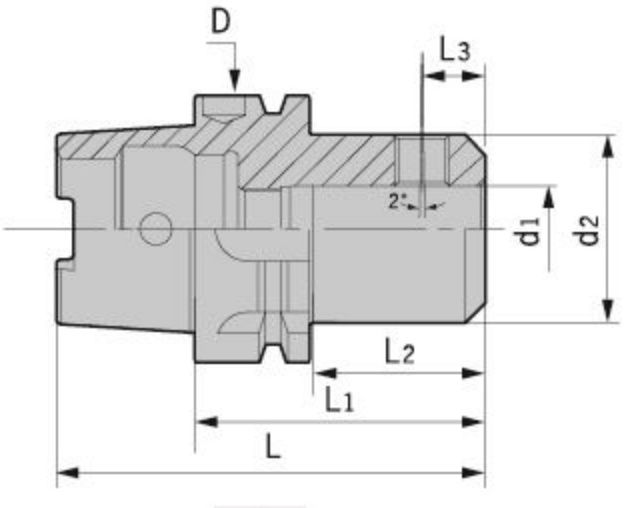
型號 Specification		圖示 Figure	D	d_1	d_2	L_1	L_2	L_3	L_4	L	側面壓緊螺釘 Side-lock screw	重量 Weight
HSK50A-	SLN6-65	A	50	6	25	65	39	18	-	90	M060U080	0.70
	SLN8-65	A	50	8	28	65	39	18	-	90	M080U080	0.80
	SLN10-65	A	50	10	35	65	39	20	-	90	M100U120	0.80
	SLN12-80	A	50	12	42	80	54	22.5	-	105	M120U140	1.20
	SLN16-80	A	50	16	48	80	54	24	-	105	M140U160	1.30
	SLN20-80	A	50	20	52	80	54	25	-	105	M160U250	1.50
HSK63A-	SLN6-65	A	63	6	25	65	39	18	-	97	M060U080	0.90
	SLN6-100	A	63	6	25	100	74	18	-	132	M060U080	1.30
	SLN8-65	A	63	8	28	65	39	18	-	97	M080U100	1.00
	SLN8-100	A	63	8	28	100	74	18	-	132	M080U100	1.40
	SLN10-65	A	63	10	35	65	39	20	-	97	M100U120	1.00
	SLN10-100	A	63	10	35	100	74	20	-	132	M100U120	1.50
	SLN12-80	A	63	12	42	80	54	22.5	-	112	M120U140	1.70
	SLN12-120	A	63	12	42	120	94	22.5	-	152	M120U140	2.00
	SLN16-80	A	63	16	48	80	54	24	-	112	M140U160	1.70
	SLN16-120	A	63	16	48	120	94	24	-	152	M140U160	2.10
	SLN20-80	A	63	20	52	80	54	25	-	112	M160U160	1.80
	SLN20-120	A	63	20	52	120	94	25	-	152	M160U160	2.40
	SLN25-110	B	63	25	65	110	84	24	25	142	M180Z160P	2.50
	SLN25-160	B	63	25	65	160	134	24	25	192	M180Z160P	2.65
	SLN32-110	B	63	32	72	110	84	24	28	142	M200Z200P	2.70
	SLN32-160	B	63	32	72	160	134	24	28	192	M200Z200P	3.00
HSK100A-	SLN6-80	A	100	6	25	80	51	18	-	130	M060U080	3.00
	SLN6-130	A	100	6	25	130	131	18	-	180	M060U080	3.20
	SLN8-80	A	100	8	25	80	51	18	-	130	M080U100	3.20
	SLN8-130	A	100	8	25	130	131	18	-	180	M080U100	3.40
	SLN10-80	A	100	10	35	80	51	20	-	130	M100U120	3.40
	SLN10-130	A	100	10	35	130	131	20	-	180	M100U120	3.70
	SLN12-80	A	100	12	42	80	51	22.5	-	130	M120U140	3.40
	SLN12-130	A	100	12	42	130	131	22.5	-	180	M120U140	3.70
	SLN16-100	A	100	16	48	100	71	24	-	150	M160U160	3.80
	SLN16-160	A	100	16	48	160	71	24	-	210	M160U160	4.10
	SLN20-100	A	100	20	52	100	71	25	-	150	M180Z160P	3.90
	SLN20-160	A	100	20	52	160	71	25	-	210	M180Z160P	3.80
	SLN25-100	B	100	25	65	100	71	24	25	150	M200Z200P	4.00
	SLN25-160	B	100	25	65	160	71	24	25	210	M200Z200P	4.40
	SLN32-100	B	100	32	72	100	71	24	28	150	M200Z200P	4.10
	SLN32-160	B	100	32	72	160	71	24	28	210	M200Z200P	4.50

HSK-A-SLNB Side-lock Mill Holder

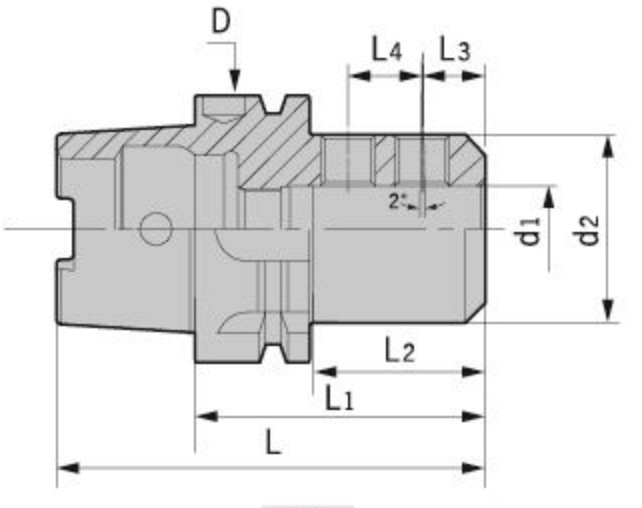
HSK-A-SLNB側固式立銑刀柄







A



B

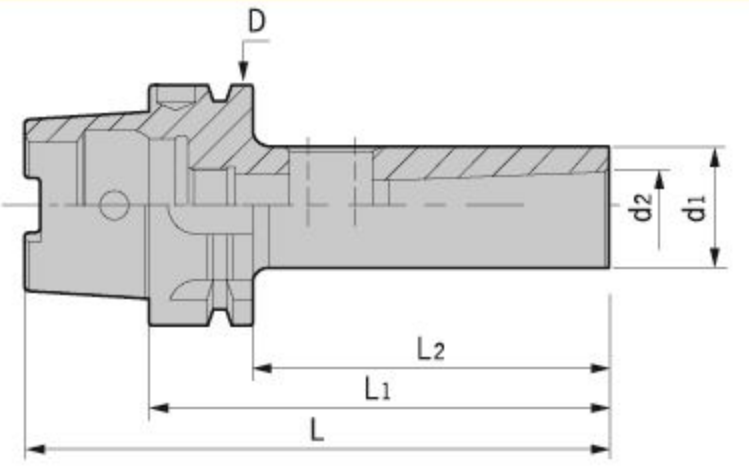
型號 Specification		圖示 Figure	D	d_1	d_2	L_1	L_2	L_3	L_4	L	側面壓緊螺釘 Side-lock screw	重量 Weight
HSK63A-	SLNB6-80	A	63	6	25	80	54	18	-	112	M060U080	0.90
	SLNB8-80	A	63	8	28	80	54	18	-	112	M080U080	1.00
	SLNB10-80	A	63	10	35	80	54	20	-	112	M100U120	1.00
	SLNB12-90	A	63	12	42	90	64	22.5	-	122	M120U140	1.70
	SLNB16-100	A	63	16	48	100	74	24	-	132	M140U160	1.70
	SLNB20-100	A	63	20	52	100	74	25	-	132	M160U250	1.80
	SLNB25-110	B	63	25	65	110	84	24	22	142	M180Z160P	2.50
	SLNB32-110	B	63	32	72	110	84	24	24	142	M200Z200P	2.70
HSK100A-	SLNB6-90	A	100	6	25	90	61	18	-	140	M060U080	3.00
	SLNB8-90	A	100	8	28	90	61	18	-	140	M080U080	3.20
	SLNB10-90	A	100	10	35	90	61	20	-	150	M100U120	3.40
	SLNB12-100	A	100	12	42	100	71	22.5	-	150	M120U140	3.40
	SLNB16-100	A	100	16	48	100	71	24	-	150	M140U160	3.80
	SLNB20-110	A	100	20	52	110	81	25	-	160	M160U250	3.90
	SLNB25-120	B	100	25	65	120	91	24	22	170	M180Z160P	4.00
	SLNB32-120	B	100	32	72	120	91	24	24	170	M200Z200P	4.10

HSK-A-MTA Morse Taper Adapter

HSK-A-MTA莫式錐套刀柄（鑽頭套筒）







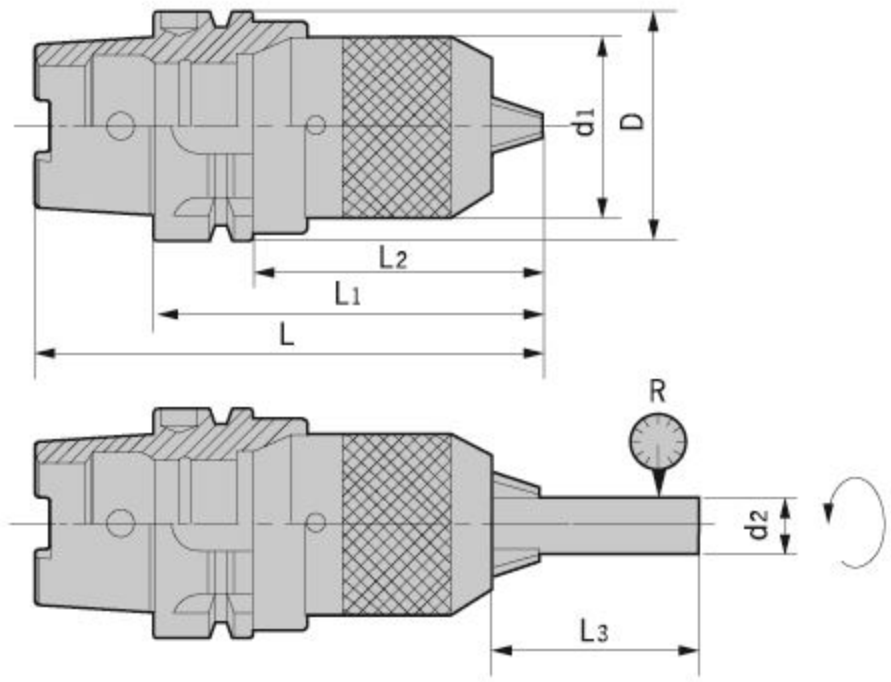
型號 Specification		D	d_1	d_2	L_1	L_2	L_3	L	重量 Weight
HSK50A-	MTA1-100	50	25	12.065	100	74	56	125	1.50
	MTA2-120	50	32	17.780	120	94	67	145	1.80
	MTA3-140	50	40	23.825	140	114	84	165	1.90
HSK63A-	MTA1-100	63	25	12.065	100	74	56	132	1.90
	MTA2-120	63	32	17.780	120	94	67	152	2.00
	MTA3-140	63	40	23.825	140	114	84	172	2.20
	MTA4-160	63	48	31.267	160	134	107	192	2.50
HSK100A-	MTA1-110	100	25	12.065	110	81	56	160	3.40
	MTA2-120	100	32	17.780	120	91	67	170	3.80
	MTA3-150	100	40	23.825	150	121	84	200	4.00
	MTA4-170	100	48	31.267	170	141	107	220	4.60
	MTA5-200	100	63	44.299	200	171	135	250	5.20

HSK-A-SPU Drill Chuck Holder

HSK-A-SPU直結式鑽夾頭刀柄







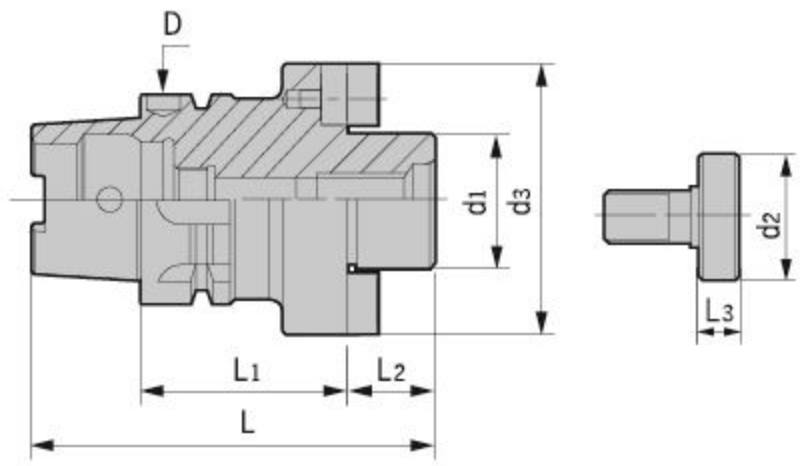
型號 Specification		D	d1	d2	L1	L2	L3	L	偏擺精度 R	重量 Weight
HSK50A-	SPU8-120	50	37	8	120	99	55	167	0.04	1.61
HSK63A-	SPU13-150	63	50	13	150	124	55	194	0.04	2.65
	SPU16-155	63	57	16	155	129	55	199	0.04	3.12
HSK100A-	SPU13-155	100	50	13	155	130	75	217	0.04	4.23
	SPU16-160	100	57	16	160	135	75	222	0.04	4.55

HSK-A-FMB Face Mill Holder

HSK-A-FMB平面銑刀柄







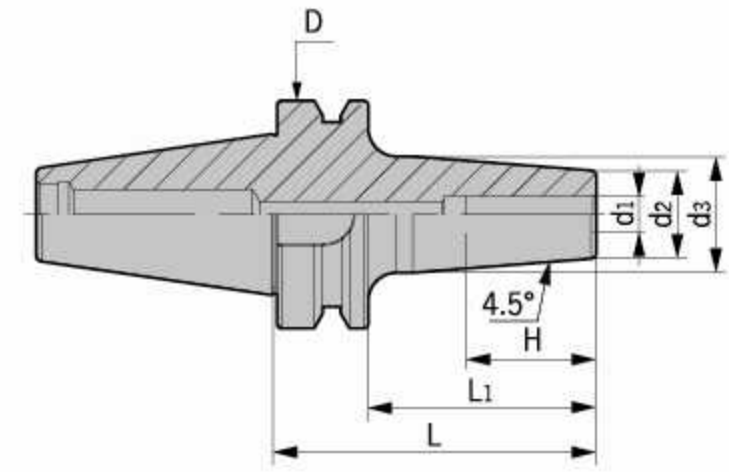
型號 Specification		D	d1	d2	d3	L1	L2	L3	L	刀盤鎖緊螺釘 Locking screw for cutter	墊圈 Washer	重量 Weight
HSK50A-	FMB22-60	50	22	26	50	60	19	14	104	E100U300	-	1.00
	FMB27-60	50	27	31.5	60	60	21	16	106	E120U300	FM-1	1.10
HSK63A-	FMB22-50	63	22	26	50	50	19	-	101	E100U300	-	1.30
	FMB22-100	63	22	26	50	100	19	-	151	E100U300	-	1.80
	FMB27-60	63	27	31.5	60	60	21	16	113	E120U300	FM-1	1.60
	FMB27-100	63	27	31.5	60	100	21	16	153	E120U300	FM-1	2.30
	FMB32-60	63	32	41	78	60	24	16	116	E160U350	FM-2	2.00
	FMB32-100	63	32	41	78	100	24	16	156	E160U350	FM-2	2.80
	FMB40-60	63	40	48	89	60	27	20.5	119	E160U350	FM-3	2.20
HSK100A-	FMB22-50	100	22	26	50	50	19	14	119	E100U300	-	2.90
	FMB22-100	100	22	26	50	100	19	14	169	E100U300	-	3.90
	FMB27-50	100	27	31.5	60	50	21	16	121	E120U300	FM-1	2.90
	FMB27-100	100	27	31.5	60	100	21	16	171	E120U300	FM-1	3.70
	FMB32-50	100	32	41	78	50	24	16	124	E160Z500-40	-	3.80
	FMB32-100	100	32	41	78	100	24	16	174	E160Z500-40	-	4.80
	FMB40-60	100	40	48	89	60	27	20.5	137	E160Z500-50	-	4.10
	FMB40-100	100	40	48	89	100	27	20.5	177	E160Z500-50	-	4.90
	FMB60F-70	100	60	-	129	70	40	101.6	160	E160U500	-	5.50

BT-SF Shrink Fit Holder

BT-SF燒結式熱裝刀柄（一體式）







型號 Specification		D	d_1	d_2	d_3	L	L_1	H	重量 Weight
BT30-	SF16-80	50	16	27	34	80	60	32	0.60
	SF20-90	50	20	33	42	90	70	40	0.80
BT40-	SF16-90	63	16	27	34	90	63	32	1.30
	SF16-130	63	16	27	34	130	103	32	1.50
	SF20-90	63	20	33	42	90	63	40	1.40
	SF20-130	63	20	33	42	130	103	40	1.90
	SF25-100	63	25	44	53	100	73	45	1.70
	SF25-130	63	25	44	53	130	103	45	2.50
BT50-	SF16-80	100	16	27	34	80	53	32	2.90
	SF16-130	100	16	27	34	130	103	32	3.20
	SF20-80	100	20	33	42	80	53	40	3.00
	SF20-130	100	20	33	42	130	103	40	3.50
	SF25-100	100	25	44	53	100	73	45	3.60
	SF25-130	100	25	44	53	130	103	45	4.00
	SF32-100	100	32	44	53	100	73	50	4.00
	SF32-130	100	32	44	53	130	103	50	4.40

特 點 / Feature

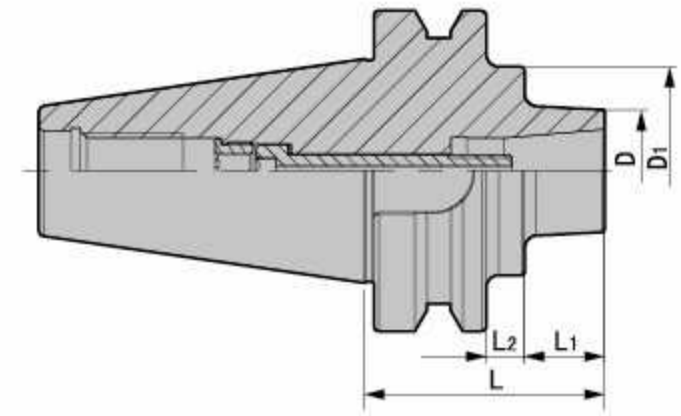
■跳動精度：＜0.005mm(4xD)。
■最高轉速可達30.000rpm;G2.5。
■Runout:below 0.005mm(length 4D).
■Max speed:30.000rpm;G2.5.

BT-DSF Shrink Fit Holder

BT-DSF燒結式熱裝刀柄（分體式）







型號 Specification		D	D_1	L_1	L_2	L	重量 Weight
BT30-	DSF12-35	38	-	13	-	35	0.40
BT40-	DSF12-45	38	-	18	-	45	1.10
	DSF12-75	38	-	48	-	75	1.40
	DSF12-135	41	-	108	-	135	2.20
BT50-	DSF12-75	38	65	25	12	75	4.00
	DSF12-105	41	65	55	12	105	4.40
	DSF12-135	41	65	85	12	135	4.70

特 點 / Feature

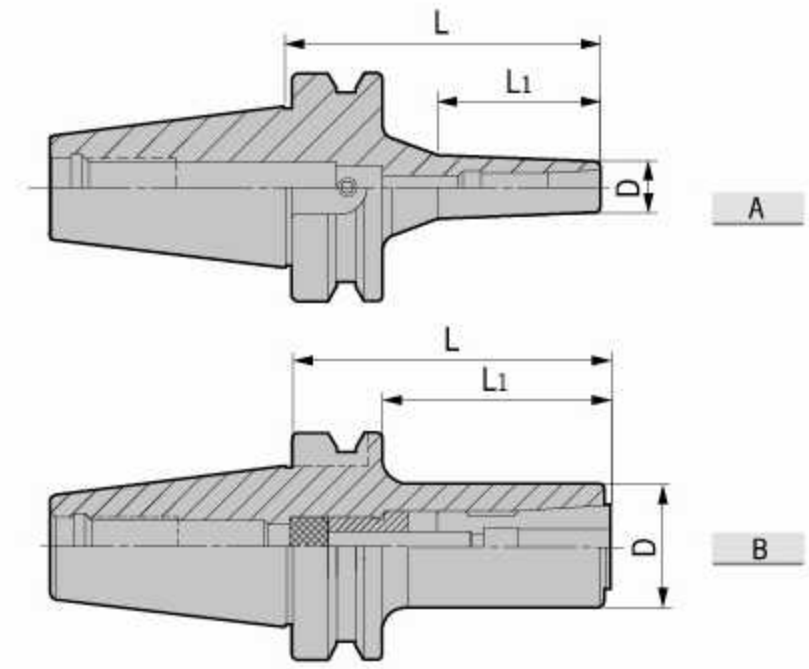
■跳動精度：＜0.005mm(4xD)。
■最高轉速可達30.000rpm;G2.5。
■Runout:below 0.005mm(length 4D).
■Max speed:30.000rpm;G2.5.

BT-DC Precision Slim Collet Chuck

BT-DC小徑精密夾頭本體







型號 Specification		圖示 Figure	D	L1	L	適用筒夾 Suit collet	拉緊螺釘 Tension screw	止動螺母 Stop nut	扳手 Wrench	重量 Weight
BT30-	DC6-60	A	14	26	60	DC6	E050U350	ZD6-2	T04-L	0.90
	DC6-90	A	14	50	90	DC6	E050U650	ZD6-2	T04-L	1.10
	DC12-70	B	34	45	70	DC12	E100U350	ZD12-1	T08-L	0.60
BT40-	DC6-60	A	14	26	60	DC6	E050U450	ZD6-2	T04-L	1.02
	DC6-90	A	14	45	90	DC6	E050U450	ZD6-2	T04-L	1.05
	DC6-120	A	14	60	120	DC6	E050U800	ZD6-2	T04-L	1.08
	DC6-150	A	14	76	150	DC6	E050U1300	ZD6-2	T04-L	1.11
	DC8-90	A	22	53	90	DC8	E060U600	ZD8-1	T05-L	1.10
	DC8-120	A	22	65	120	DC8	E060U900	ZD8-1	T05-L	1.40
	DC10-90	B	28	51	90	DC10	E080U300	ZD10-2	T06-L	1.20
	DC10-120	A	28	60	120	DC10	E080U850	ZD10-1	T06-L	1.57
	DC12-70	B	34	35	70	DC12	E100U350	ZD12-1	T08-L	1.08
	DC12-90	B	34	55	90	DC12	E100U350	ZD12-1	T08-L	1.28
	DC12-120	B	34	85	120	DC12	E100U350	ZD12-1	T08-L	1.49
	DC12-150	B	34	90	150	DC12	E100U350	ZD12-1	T08-L	1.80
BT50-	DC10-110	A	28	57	110	DC10	E080U800	ZD12-1	T06-L	4.20
	DC10-150	A	28	75	150	DC10	E080U1200	ZD12-1	T06-L	4.32
	DC12-110	B	34	57	110	DC12	E100U350	ZD12-1	T08-L	4.70
	DC12-150	A	34	80	150	DC12	E100U1100	ZD12-1	T08-L	5.01

特 點 / Feature

■跳動精度：＜0.005mm(4xD)。
■最高轉速可達30.000rpm;G2.5。

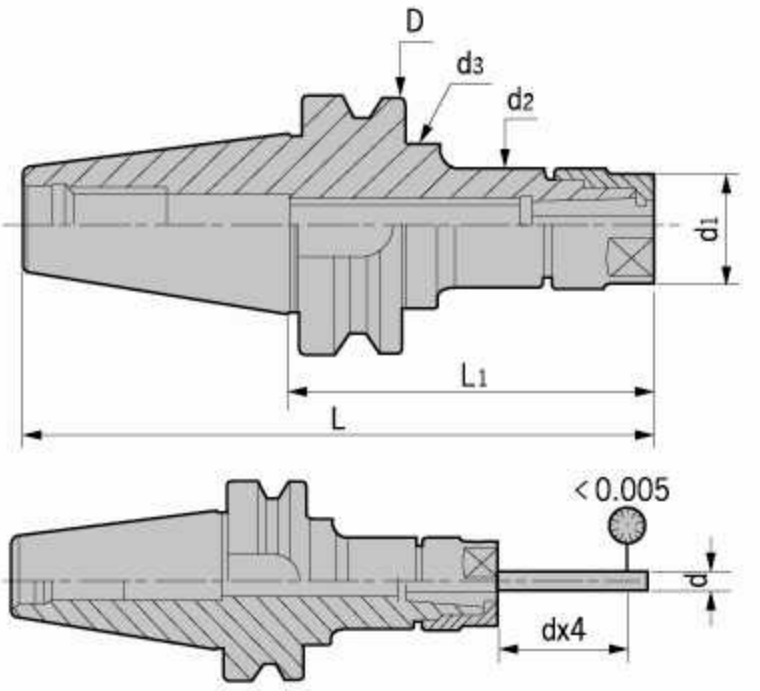
■Runout:below 0.005mm(length 4D).
■Max speed:30.000rpm;G2.5.

BT-DSK High Precision Chuck

BT-DSK高速精密筒夾本體







型號 Specification		夾持範圍 Range	D	d1	d2	d3	L1	L	適用螺帽 Suit nut	重量 Weight
BT30-	DSK6-70	0.7-6.0	46	20	20	20.5	70	118.4	DSK6-A	0.45
	DSK6-100	0.7-6.0	46	20	20	32	100	148.4	DSK6-A	0.64
	DSK10-70	1.75-10.0	46	27	27.5	-	70	118.4	DSK10-A	0.45
	DSK10-100	1.75-10.0	46	27	27.5	-	100	148.4	DSK10-A	0.64
	DSK16-70	2.75-16.0	46	40.5	40.5	-	70	118.4	DSK16-M	0.75
	DSK16-100	2.75-16.0	46	40.5	40.5	-	100	148.4	DSK16-M	0.90
	DSK16-120	2.75-16.0	46	40.5	40.5	-	120	168.4	DSK16-M	1.00
	DSK16-150	2.75-16.0	46	40.5	40.5	-	150	198.4	DSK16-M	1.12
	DSK25-100	16.0-25.4	46	55	55	-	100	148.4	DSK25-M	1.20
BT40-	DSK6-70	0.7-6.0	63	20	20	-	70	135.4	DSK6-A	1.05
	DSK6-100	0.7-6.0	63	20	20	32	100	165.4	DSK6-A	1.25
	DSK6-120	0.7-6.0	63	20	20	32	120	185.4	DSK6-A	1.39
	DSK10-70	1.75-10.0	63	27	27.5	-	70	135.4	DSK10-A	1.80
	DSK10-100	1.75-10.0	63	27	27.5	40	100	165.4	DSK10-A	1.30
	DSK10-120	1.75-10.0	63	27	27.5	40	120	185.4	DSK10-A	1.42
	DSK10-150	1.75-10.0	63	27	27.5	40	150	215.4	DSK10-A	1.55
	DSK16-70	2.75-16.0	63	40.5	40.5	-	70	135.4	DSK16-M	1.21
	DSK16-100	2.75-16.0	63	40.5	40.5	-	100	165.4	DSK16-M	1.42
	DSK16-120	2.75-16.0	63	40.5	40.5	-	120	185.4	DSK16-M	1.61
	DSK16-150	2.75-16.0	63	40.5	40.5	-	150	215.4	DSK16-M	1.80
	DSK25-100	16.0-25.4	63	55	55	-	100	165.4	DSK25-M	1.81
	DSK25-120	16.0-25.4	63	55	55	-	120	185.4	DSK25-M	2.05
BT50-	DSK10-105	1.75-10.0	100	27	27.5	-	105	206.8	DSK10-A	3.78
	DSK10-135	1.75-10.0	100	27	27.5	40	135	236.8	DSK10-A	4.00
	DSK10-165	1.75-10.0	100	27	27.5	40	165	266.8	DSK10-A	4.33
	DSK16-100	2.75-16.0	100	40.5	40.5	-	100	201.8	DSK16-M	3.93
	DSK16-125	2.75-16.0	100	40.5	40.5	-	125	226.8	DSK16-M	4.17
	DSK16-150	2.75-16.0	100	40.5	40.5	50	150	251.8	DSK16-M	4.49
	DSK16-200	2.75-16.0	100	40.5	40.5	52	200	301.8	DSK16-M	5.62
	DSK25-100	16.0-25.4	100	55	55	-	100	201.8	DSK25-M	4.10
	DSK25-125	16.0-25.4	100	55	55	-	125	226.8	DSK25-M	4.62
	DSK25-150	16.0-25.4	100	55	55	-	150	251.8	DSK25-M	5.10
	DSK25-200	16.0-25.4	100	55	55	-	200	301.8	DSK25-M	5.81

注意：報價時含螺帽，筒夾和扳手需單獨訂購。
Notice:Quotation includes hex nut, while collets and wrenches shall be ordered separately.

特點 / Feature

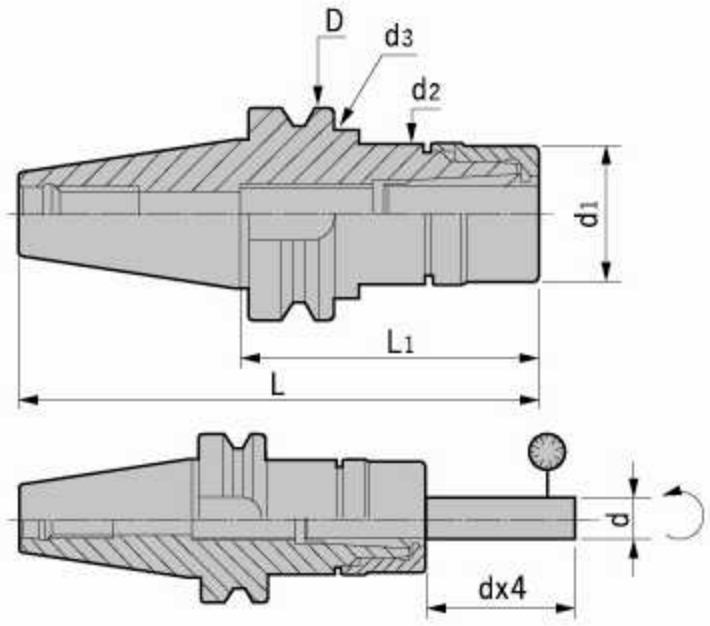
■最大速度:20,000 r.p.m G2.5。
■Max speed:20,000 r.p.m G2.5.

BT-GSK High Precision Chuck

BT-GSK高速精密筒夾本體







型號 Specification		夾持範圍 Range	D	d1	d2	d3	L1	L	適用螺帽 Suit nut	重量 Weight
BT30-	GSK6-70	0.7-6.0	46	19.5	20	-	70	118.4	GSK6	0.90
	GSK6-100	0.7-6.0	46	19.5	20	32	100	148.4	GSK6	0.95
	GSK10-70	1.75-10.0	46	27	27.5	-	70	118.4	GSK10	0.95
	GSK10-100	1.75-10.0	46	27	27.5	-	100	148.4	GSK10	1.00
	GSK16-100	2.75-16.0	46	40	40.5	-	100	148.4	GSK16	1.00
	GSK16-120	2.75-16.0	46	40	-	-	120	168.4	GSK16	1.10
	GSK16-150	2.75-16.0	46	40	40.5	-	150	198.4	GSK16	1.20
	GSK25-100	16.0-25.4	46	54.5	55	-	100	148.4	GSK25	1.10
BT40-	GSK6-70	0.7-6.0	63	19.5	20	-	70	135.4	GSK6	1.10
	GSK6-100	0.7-6.0	63	19.5	20	32	100	165.4	GSK6	1.20
	GSK6-120	0.7-6.0	63	19.5	20	32	120	185.4	GSK6	1.40
	GSK10-70	1.75-10.0	63	27	27.5	-	70	135.4	GSK10	1.50
	GSK10-100	1.75-10.0	63	27	27.5	40	100	165.4	GSK10	1.60
	GSK10-120	1.75-10.0	63	27	27.5	40	120	185.4	GSK10	1.70
	GSK10-150	1.75-10.0	63	27	27.5	40	150	215.4	GSK10	1.80
	GSK16-70	2.75-16.0	63	40	40.5	-	70	135.4	GSK16	1.60
	GSK16-100	2.75-16.0	63	40	40.5	-	100	165.4	GSK16	1.70
	GSK16-120	2.75-16.0	63	40	40.5	-	120	185.4	GSK16	1.80
	GSK16-150	2.75-16.0	63	40	40.5	-	150	215.4	GSK16	1.90
	GSK25-100	16.0-25.4	63	54.5	55	-	100	165.4	GSK25	1.70
	GSK25-120	16.0-25.4	63	54.5	55	-	120	185.4	GSK25	1.80
BT50-	GSK10-105	1.75-10.0	100	27	27.5	29	105	206.8	GSK10	4.00
	GSK10-135	1.75-10.0	100	27	27.5	40	135	236.8	GSK10	4.20
	GSK10-165	1.75-10.0	100	27	27.5	40	165	266.8	GSK10	4.50
	GSK16-100	2.75-16.0	100	40	40.5	-	100	201.8	GSK16	4.30
	GSK16-125	2.75-16.0	100	40	40.5	-	125	226.8	GSK16	4.50
	GSK16-150	2.75-16.0	100	40	40.5	50	150	251.8	GSK16	4.70
	GSK16-200	2.75-16.0	100	40	40.5	52	200	301.8	GSK16	5.10
	GSK25-100	16.0-25.4	100	54.5	55	-	100	201.8	GSK25	4.30
	GSK25-125	16.0-25.4	100	54.5	55	-	125	226.8	GSK25	4.50
	GSK25-150	16.0-25.4	100	54.5	55	-	150	251.8	GSK25	4.70
	GSK25-200	16.0-25.4	100	54.5	55	-	200	301.8	GSK25	5.10

注意：報價時含螺帽，筒夾和扳手需單獨訂購。
Notice:Quotation includes hex nut, while collets and wrenches shall be ordered separately.

特點 / Feature

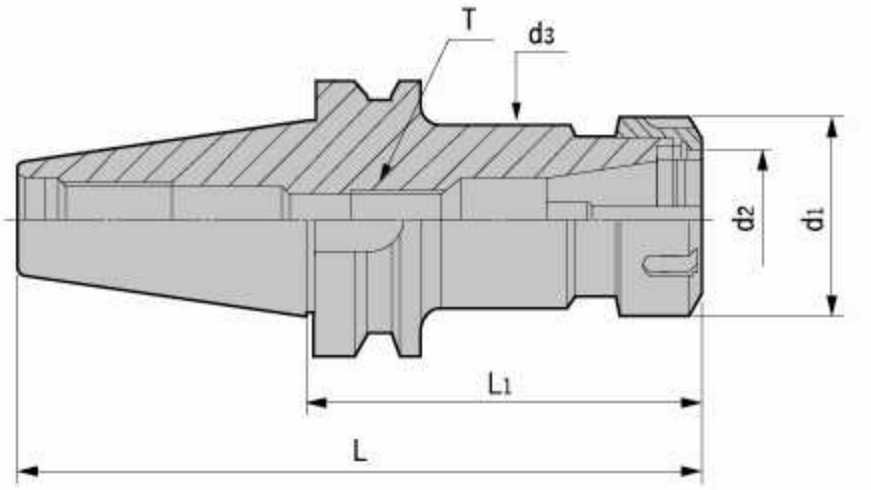
■最大速度:35,000 r.p.m G2.5。
■Max speed:35,000 r.p.m G2.5.

BT-ER Spring Collet Chuck

BT-ER彈性筒夾本體







型號 Specification		d1	d2	d3	L1	L	T	重量 Weight
BT30-	ER16-70	28	16	28	70	118.4	M10X1.5P	0.52
	ER16-100	28	16	28	100	148.4	M10X1.5P	0.64
	ER16-120	28	16	28	120	168.4	M10X1.5P	0.73
	ER20-70	34	20	34	70	118.4	M12X1.75P	0.57
	ER20-100	34	20	34	100	148.4	M12X1.75P	0.76
	ER20-135	34	20	34	135	183.4	M12X1.75P	0.99
	ER25-70	42	25	42	70	118.4	M16X2.0P	0.66
	ER25-100	42	25	42	100	148.4	M16X2.0P	0.98
	ER25-135	42	25	42	135	183.4	M16X2.0P	1.31
	ER32-70	50	32	50	70	118.4	M16X2.0P	0.72
	ER32-100	50	32	50	100	148.4	M16X2.0P	1.14
	ER40-80	63	40	63	80	128.4	M16X2.0P	1.20
BT40-	ER16-70	28	16	28	70	135.4	M10X1.5P	1.08
	ER16-100	28	16	28	100	165.4	M10X1.5P	1.21
	ER16-125	28	16	28	125	190.4	M10X1.5P	1.30
	ER16-150	28	16	28	150	215.4	M10X1.5P	1.44
	ER20-70	34	20	34	70	135.4	M12X1.75P	1.12
	ER20-100	34	20	34	100	170.4	M12X1.75P	1.33
	ER20-125	34	20	34	125	190.4	M12X1.75P	1.48
	ER20-150	34	20	34	150	215.4	M12X1.75P	1.65
	ER25-70	42	25	42	70	135.4	M16X2.0P	1.22
	ER25-100	42	25	42	100	165.4	M16X2.0P	1.49
	ER25-125	42	25	42	125	190.4	M16X2.0P	1.71
	ER25-150	42	25	42	150	215.4	M16X2.0P	1.97
	ER32-70	50	32	50	70	135.4	M16X2.0P	1.27
	ER32-100	50	32	50	100	165.4	M16X2.0P	1.70
	ER32-150	50	32	50	150	215.4	M16X2.0P	2.39
	ER32-200	50	32	50	200	265.4	M16X2.0P	3.12
	ER40-80	63	40	63	80	145.4	M20X2.0P	1.62
	ER40-100	63	40	63	100	165.4	M20X2.0P	2.08
	ER40-120	63	40	63	120	185.4	M20X2.0P	2.55
	ER40-150	63	40	63	150	215.4	M20X2.0P	3.23

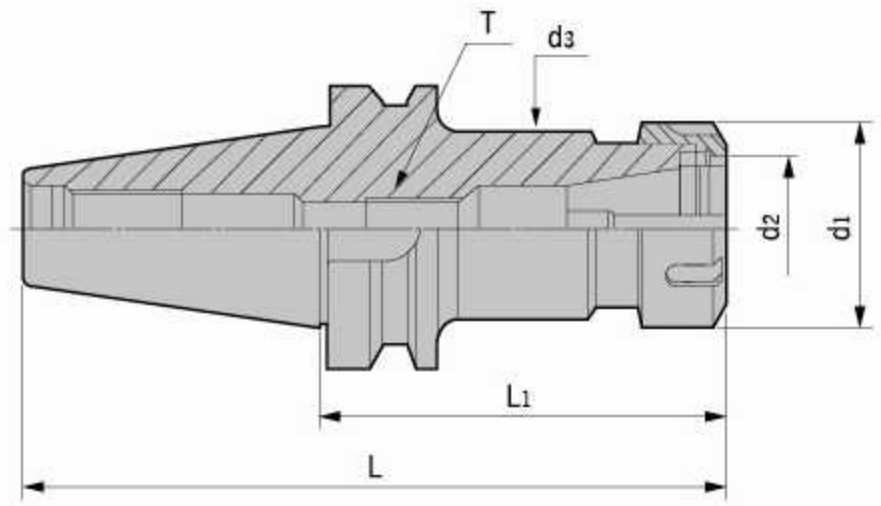
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BT-ER Spring Collet Chuck

BT-ER彈性筒夾本體







型號 Specification		d_1	d_2	d_3	L_1	L	T	重量 Weight
BT50-	ER16-70	28	16	28	70	171.8	M10X1.5P	3.67
	ER16-100	28	16	28	100	201.8	M10X1.5P	3.77
	ER16-135	28	16	28	135	236.8	M10X1.5P	3.95
	ER16-165	28	16	28	165	266.8	M10X1.5P	4.04
	ER20-70	34	20	34	70	171.8	M12X1.75P	3.66
	ER20-100	34	20	34	100	201.8	M12X1.75P	3.75
	ER20-135	34	20	34	135	236.8	M12X1.75P	4.08
	ER20-150	34	20	34	150	251.8	M12X1.75P	4.22
	ER20-200	34	20	34	200	301.8	M12X1.75P	4.66
	ER25-70	42	25	42	70	171.8	M16X2.0P	3.64
	ER25-100	42	25	42	100	201.8	M16X2.0P	4.02
	ER25-125	42	25	42	125	226.8	M16X2.0P	4.26
	ER25-150	42	25	42	150	251.8	M16X2.0P	4.54
	ER25-200	42	25	42	200	301.8	M16X2.0P	5.01
	ER32-80	50	32	50	80	181.8	M16X2.0P	3.80
	ER32-100	50	32	50	100	201.8	M16X2.0P	4.07
	ER32-120	50	32	50	120	221.8	M16X2.0P	4.35
	ER32-150	50	32	50	150	251.8	M16X2.0P	4.82
	ER32-200	50	32	50	200	301.8	M16X2.0P	5.32
	ER40-80	63	40	63	80	181.8	M20X2.0P	3.93
	ER40-100	63	40	63	100	201.8	M20X2.0P	4.38
	ER40-120	63	40	63	120	221.8	M20X2.0P	4.86
	ER40-150	63	40	63	150	251.8	M20X2.0P	5.51

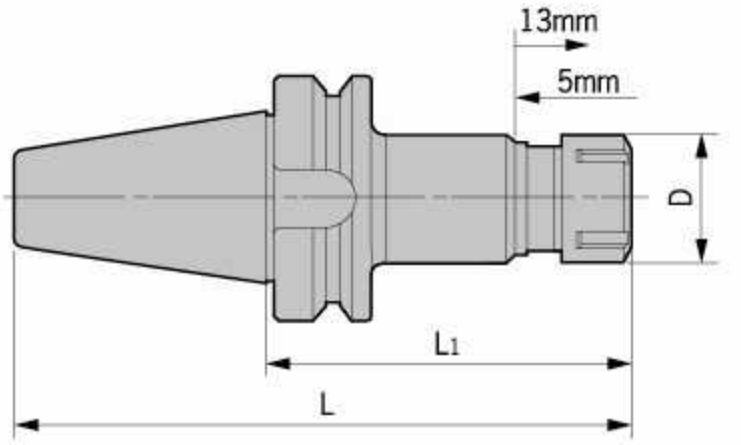
注意：報價時含螺帽，筒夾和扳手需單獨訂購。
Notice:Quotation includes hex nut, while collets and wrenches shall be ordered separately.

BT-TER Tapping Chuck

BT-TER伸縮攻牙器刀柄







型號 Specification		D	L1	L	適用筒夾 Suit collet	攻牙能力 Tapping capacity	重量 Weight
BT30-	TER16	28	80	128.4	ER16	M3-M12	0.61
	TER20	34	90	138.4	ER20	M4-M16	0.75
BT40-	TER16	28	77	145.4	ER16	M3-M12	1.10
	TER20	34	86	154.4	ER20	M4-M16	1.22
	TER25	42	90	158.4	ER25	M5-M20	1.37
	TER32	50	94	162.4	ER32	M8-M27	1.52
	TER40	63	98	166.4	ER40	M12-M36	2.25
BT50-	TER16	28	80	181.8	ER16	M3-M12	3.80
	TER20	34	99	200.8	ER20	M4-M16	3.83
	TER25	42	97	198.8	ER25	M5-M20	3.91
	TER32	50	95	196.8	ER32	M8-M27	4.22
	TER40	63	117	218.8	ER40	M12-M36	4.51

注意：報價時含螺帽，筒夾和扳手需單獨訂購。
Notice:Quotation includes hex nut, while collets and wrenches shall be ordered separately.

特點 / Feature

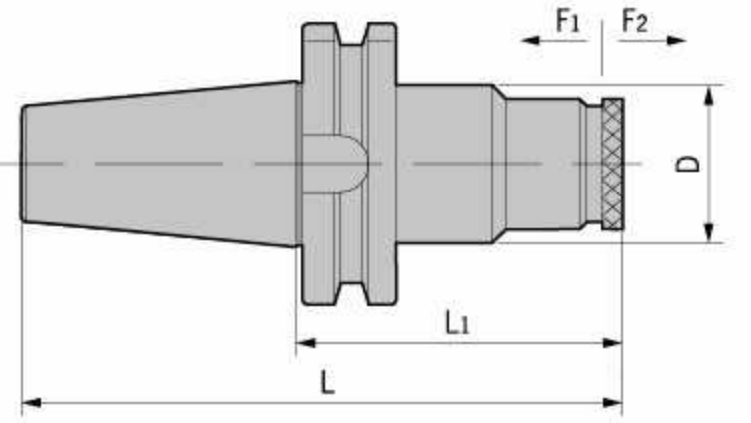
■攻牙器使用ER筒夾夾持，請您在選購時認準 ER筒夾內徑。
■本刀體的攻牙器頭部采用了浮動設計，攻螺紋時的扭距可通過內部鋼珠傳遞。
■本刀柄主要用于中心機和CNC銑床攻牙。
■Clamped with ER spring collect, please make sure the inner dia of clear the ER spring collet inner dia. When you select .
■The tapping head of this holder designed with floating tap, the tapping torque is transmitted through the ball inside the floating tap holder.
■For tapping on machine center and CNC milling machine for tapping.

BT-TPM Tapping Chuck With High Rigidity

BT-TPM扭力伸縮攻牙刀柄





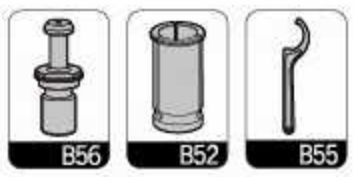


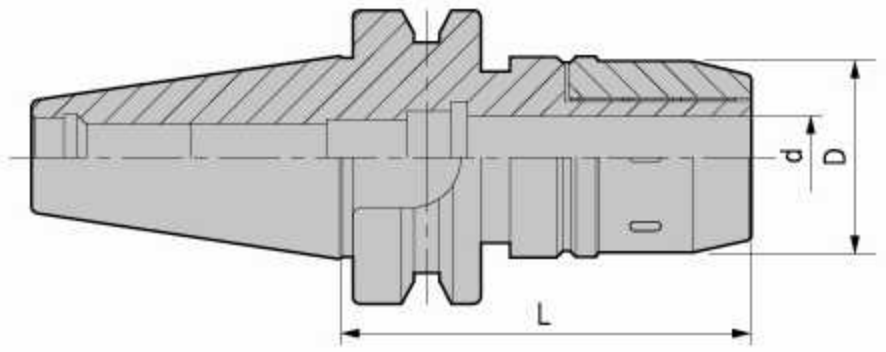
型號 Specification		D	F1	F2	L1	L	適用筒夾 Suit collet	攻牙能力 Tapping capacity	重量 Weight
BT30-	TPM316	50	10	20	111.6	162	TPD316	M3-M16	0.75
	TPM830	66	10	25	148.6	199	TPD830	M8-M30	0.80
BT40-	TPM316	50	10	20	101	168	TPD316	M3-M16	1.56
	TPM830	66	10	25	141	208	TPD830	M8-M30	2.62
BT50-	TPM316	50	10	20	118	222.8	TPD316	M3-M16	4.24
	TPM830	66	10	25	130.2	235	TPD830	M8-M30	4.77

BT-HPC High-speed Milling Chuck

BT-HPC高速精密强力銑刀夾頭







型號 Specification	範圍 Range	D	d	L	適用筒夾 Suit collet	重量 Weight
BT30- HPC16-70	3-16	46	16	70	SC16	1.40
HPC20-75	4-20	53	20	75	SC20	1.80
BT40- HPC16-70	3-16	46	16	70	SC16	1.60
HPC16-105	3-16	46	16	105	SC16	1.80
HPC16-135	3-16	46	16	135	SC16	2.30
HPC20-80	4-20	53	20	80	SC20	2.40
HPC20-105	4-20	53	20	105	SC20	2.50
HPC20-135	4-20	53	20	135	SC20	2.80
HPC32-105	6-32	68	32	105	SC32	2.80
HPC32-135	6-32	68	32	135	SC32	3.00
BT50- HPC16-90	3-16	46	16	90	SC16	3.90
HPC16-110	3-16	46	16	110	SC16	4.10
HPC16-135	3-16	46	16	135	SC16	4.30
HPC16-150	3-16	46	16	150	SC16	4.50
HPC20-105	4-20	53	20	105	SC20	4.50
HPC20-135	4-20	53	20	135	SC20	4.70
HPC20-150	4-20	53	20	150	SC20	4.90
HPC32-110	6-32	68	32	110	SC32	5.20
HPC32-135	6-32	68	32	135	SC32	5.90
HPC32-165	6-32	68	32	165	SC32	6.60

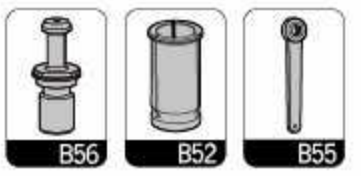
特 點 / Feature

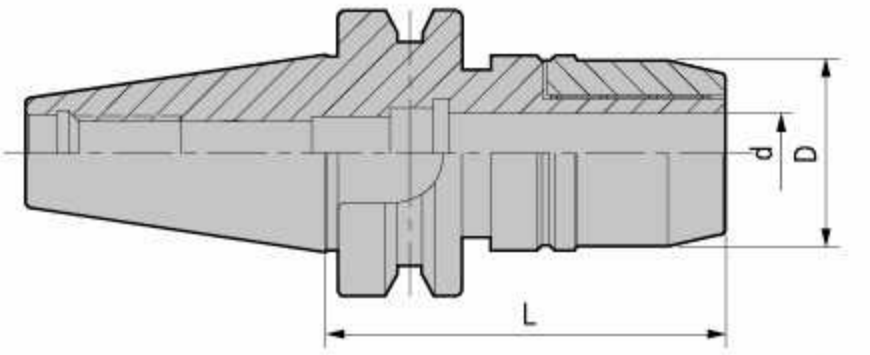
■HPC刀具系列用途高轉速、高精密切削加工，切削效果佳。
■HPC16,HPC20,HPC32刀柄均附C型扳手。
■特殊防塵設計，提升刀柄壽命。
■最大速度:30,000 r.p.m G2.5。
■HPC tooling systems are suitable for high-speed and high precision cutting.
■HPC16,HPC20,HPC32 milling chuck attached 1 PC C-type Wrench.
■Dust-proof design, ensure a long service life.
■Max speed:30,000 r.p.m G2.5.

BT-HPM High Speed Milling Chuck

BT-HPM高速精密强力銑刀夾頭







型號 Specification		範圍 Range	D	d	L	適用筒夾 Suit collet	重量 Weight
BT30-	HPM16-70	3-16	46	16	70	SC16	1.40
	HPM20-75	4-20	53	20	75	SC20	1.80
BT40-	HPM16-70	3-16	46	16	70	SC16	1.60
	HPM16-105	3-16	46	16	105	SC16	1.80
	HPM16-135	3-16	46	16	135	SC16	2.30
	HPM20-80	4-20	53	20	80	SC20	2.40
	HPM20-105	4-20	53	20	105	SC20	2.50
	HPM20-135	4-20	53	20	135	SC20	2.80
	HPM32-105	6-32	68	32	105	SC32	2.80
	HPM32-135	6-32	68	32	135	SC32	3.00
BT50-	HPM16-90	3-16	46	16	90	SC16	3.90
	HPM16-110	3-16	46	16	110	SC16	4.10
	HPM16-135	3-16	46	16	135	SC16	4.30
	HPM16-150	3-16	46	16	150	SC16	4.50
	HPM20-105	4-20	53	20	105	SC20	4.50
	HPM20-135	4-20	53	20	135	SC20	4.70
	HPM20-150	4-20	53	20	150	SC20	4.90
	HPM32-110	6-32	68	32	110	SC32	5.20
	HPM32-135	6-32	68	32	135	SC32	5.90
	HPM32-165	6-32	68	32	165	SC32	6.60

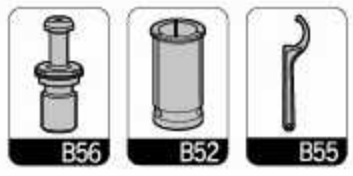
特 點 / Feature

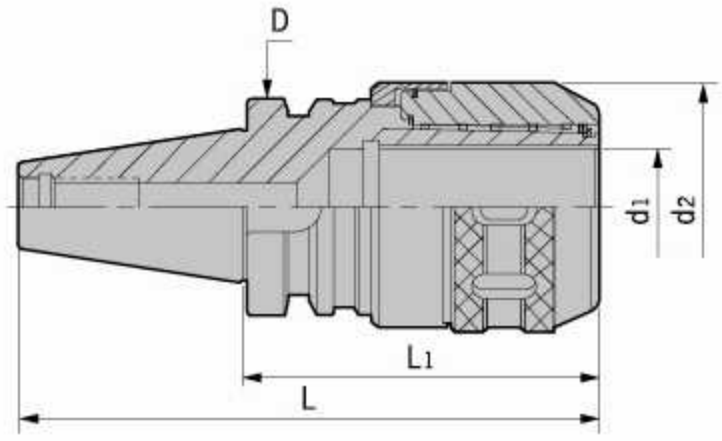
■HPM刀具系列用途高轉速、高精密切削加工，切削效果佳。
■HPM16,HPM20,HPM32軸承扳手爲另購品。
■特殊防塵設計，提升刀柄壽命。
■最大速度:30,000 r.p.m G2.5。
■HPM tooling systems are suitable for high-speed and high precision cutting.
■HPM16,HPM20,HPM32 bearing wrenches are sold separately.
■Dust-proof design, ensure a long service life.
■Max speed:30,000 r.p.m G2.5.

BT-MLC Power Milling Chuck For Heavy Duty

BT-MLC强力筒夹本體







型號 Specification		D	d1	d2	L1	L	重量 Weight
BT30-	MLC20-75	46	20	53	75	123.4	1.59
	MLC20-100	46	20	53	100	148.4	1.73
BT40-	MLC20-80	63	20	53	80	145.4	1.85
	MLC20-100	63	20	53	100	165.4	2.11
	MLC20-135	63	20	53	135	200.4	2.65
	MLC32-85	63	32	72	85	150.4	1.93
	MLC32-105	63	32	72	105	170.4	2.28
	MLC32-135	63	32	72	135	200.4	2.87
BT50-	MLC20-105	100	20	53	105	206.8	4.30
	MLC20-150	100	20	53	150	251.8	5.83
	MLC32-110	100	32	72	110	211.8	4.52
	MLC32-135	100	32	72	135	236.8	5.44
	MLC32-165	100	32	72	165	266.8	6.19
	MLC42-115	100	42	95	115	211.8	5.50
	MLC42-135	100	42	95	135	236.8	6.43
	MLC42-165	100	42	95	165	266.8	7.65

特 點 / Feature

■刀柄采用四組220根針狀滾針經特殊排列而成。
■端面鎖緊增强了本體鋼性强度。
■立銑刀無振動無滑移實現了最大能力範圍的重銑削加工，跳動精度0.005mm以内。
■The tool holder uses four layers with 220 pieces of roller pins arranged in particular.
■ It can reduce the locking resistanced and also show best performance on heavy cutting.
■The usual length of power milling chuck show that the highest runout accuracy can reach to 0.005mm.

BT-MLC Power Chuck Kit

BT-MLC强力筒夹本體套裝組

型號 Specification		D	d	數量 PCS/SET	重量 Weight
BT40-	MLC20-100-5PCS	20	6,8,10,12,16	5	7.30
	MLC32-105-7PCS	32	6,8,10,12,16,20,25	7	7.80
BT50-	MLC20-105-5PCS	20	6,8,10,12,16	5	7.50
	MLC32-110-7PCS	32	6,8,10,12,16,20,25	7	8.40
	MLC42-115-8PCS	42	6,8,10,12,16,20,25,32	8	11.40

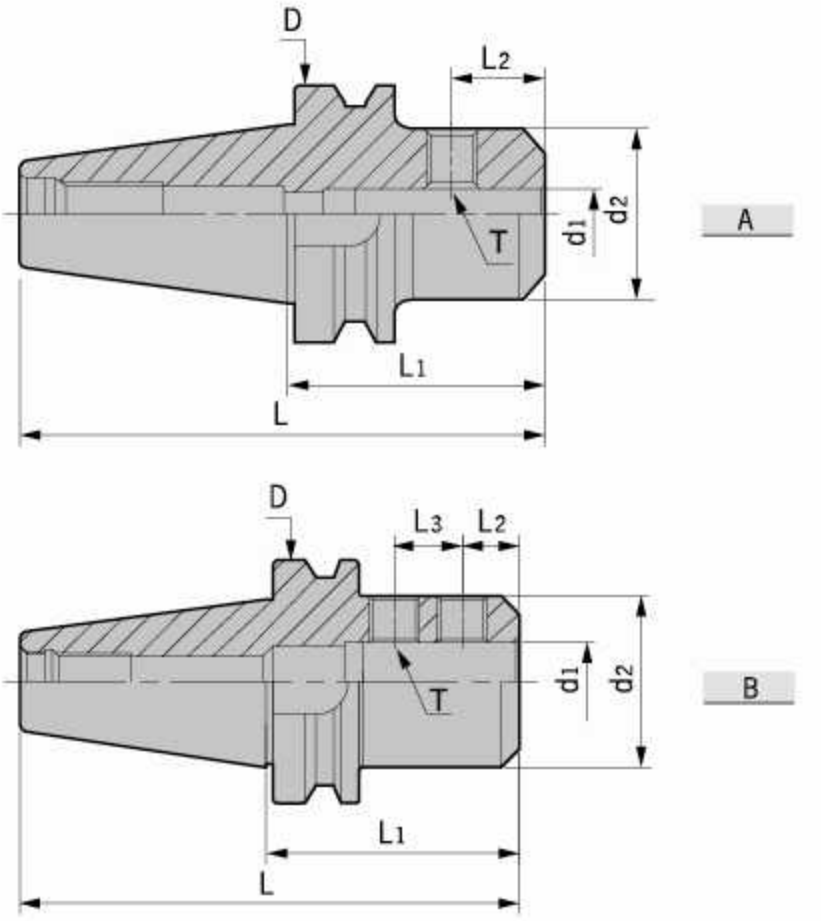


BT-SLN Side-lock End Mill Holder

BT-SLN側固式銑刀柄







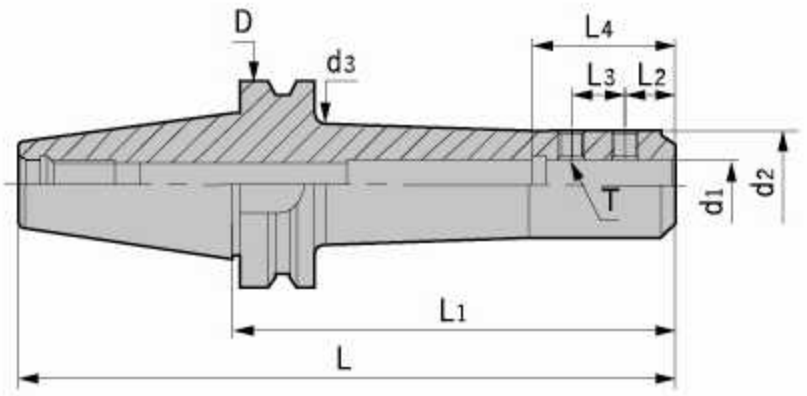
型號 Specification		圖示 Figure	D	d1	d2	L1	L2	L3	L	側面壓緊螺釘 Side-lock screw	重量 Weight
BT30-	SLN6-60	A	46	6	25	60	18	-	108.4	M060U080	0.55
	SLN8-60	A	46	8	28	60	18	-	108.4	M080U100	0.60
	SLN10-60	A	46	10	35	60	20	-	108.4	M100U120	0.70
	SLN12-60	A	46	12	42	60	22.5	-	108.4	M120U140	0.75
	SLN16-75	A	46	16	48	75	24	-	123.4	M140U160	1.05
	SLN20-75	A	46	20	52	75	25	-	123.4	M160U160	1.10
	SLN25-90	B	46	25	65	90	24	25	138.4	M180Z180P	1.70
BT40-	SLN6-50	A	63	6	25	50	18	-	115.4	M060U080	1.10
	SLN8-50	A	63	8	28	50	18	-	115.4	M080U100	1.10
	SLN10-63	A	63	10	35	63	20	-	128.4	M100U100	1.25
	SLN12-63	A	63	12	42	63	22.5	-	128.4	M120U140	1.26
	SLN16-63	A	63	16	48	63	24	-	128.4	M140U160	1.31
	SLN20-63	A	63	20	52	63	25	-	128.4	M160U160	1.33
	SLN25-100	B	63	25	65	100	24	25	165.4	M180Z180P	2.32
	SLN31-100	B	63	31	72	100	24	28	165.4	M200Z180P	3.80
	SLN32-100	B	63	32	72	100	24	28	165.4	M200Z180P	3.80
BT50-	SLN6-63	A	100	6	25	63	18	-	164.8	M060U080	3.80
	SLN8-63	A	100	8	28	63	18	-	164.8	M080U100	3.80
	SLN10-63	A	100	10	35	63	20	-	164.8	M100U100	3.00
	SLN12-80	A	100	12	42	80	22.5	-	181.8	M120U140	3.99
	SLN16-80	A	100	16	48	80	24	-	181.8	M140U160	4.03
	SLN20-80	A	100	20	52	80	25	-	181.8	M160U160	4.03
	SLN25-100	B	100	25	65	100	24	25	201.8	M180Z180P	4.62
	SLN32-105	B	100	32	72	105	24	28	206.8	M200Z180P	4.80
	SLN40-115	B	100	40	90	115	30	32	216.8	M200Z180P	5.42
	SLN42-120	B	100	42	90	120	30	32	221.8	M200Z180P	6.14

BT-SLN-JIS Side-lock Mill Holder With Extra Length And Angle

BT-SLN-JIS側固式銑刀柄







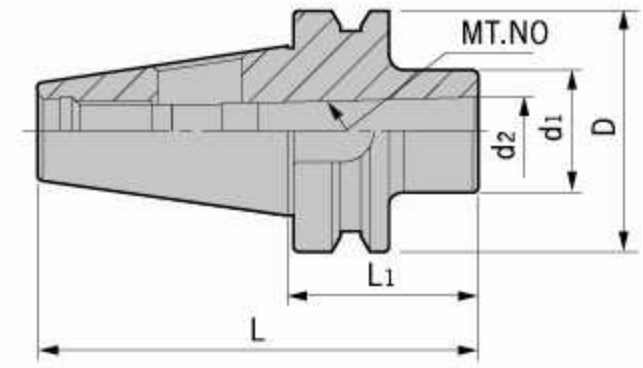
型號 Specification		D	d1	d2	d3	L1	L2	L3	L4	L	側面壓緊螺釘 Side-lock screw	重量 Weight
BT40-	SLN6-75JIS	63	6	25	-	75	12	10	45	140.4	M060U080	1.30
	SLN6-150JIS	63	6	25	30	150	12	10	45	215.4	M060U080	1.50
	SLN8-75JIS	63	8	28	-	75	14	12	45	140.4	M080U100	1.30
	SLN8-150JIS	63	8	28	33	150	14	12	45	215.4	M080U100	1.50
	SLN10-75JIS	63	10	35	-	75	15	14	49	140.4	M100U120	1.30
	SLN10-150JIS	63	10	35	40	150	15	14	49	215.4	M100U120	1.50
	SLN12-75JIS	63	12	42	-	75	20	16	54	140.4	M100U120	1.50
	SLN12-150JIS	63	12	42	47	150	20	16	54	215.4	M100U120	1.50
	SLN16-75JIS	63	16	48	-	75	22	18	57	140.4	M100U120	1.50
	SLN16-150JIS	63	16	48	53	150	22	18	57	215.4	M100U120	1.70
	SLN20-90JIS	63	20	52	-	90	25	20	65	155.4	M120U140	1.60
	SLN20-150JIS	63	20	52	57	150	25	20	65	215.4	M120U140	1.80
	SLN25-90JIS	63	25	50	-	90	24	25	65	155.4	M120U140	2.50
	SLN32-100JIS	63	32	60	-	100	24	28	73	165.4	M160U160	2.75
BT50-	SLN6-75JIS	100	6	25	-	75	12	10	45	176.8	M060U080	3.90
	SLN8-75JIS	100	8	28	-	75	14	12	45	176.8	M080U100	3.90
	SLN10-75JIS	100	10	35	-	75	15	14	49	176.8	M100U120	3.90
	SLN12-90JIS	100	12	42	-	90	20	16	54	191.8	M100U120	3.90
	SLN12-165JIS	100	12	42	47	165	20	16	54	266.8	M100U120	5.00
	SLN16-90JIS	100	16	48	-	90	22	18	57	191.8	M120U140	3.90
	SLN16-165JIS	100	16	48	53	165	22	18	57	266.8	M120U140	5.00
	SLN20-90JIS	100	20	50	-	90	25	20	65	191.8	M120U140	4.50
	SLN20-165JIS	100	20	50	57	165	25	20	65	266.8	M120U140	6.00
	SLN20-210JIS	100	20	50	57	210	25	20	65	311.8	M120U140	7.00
	SLN25-100JIS	100	25	50	-	100	24	25	68	201.8	M120U140	5.50
	SLN25-165JIS	100	25	50	57	165	24	25	68	266.8	M120U140	6.00
	SLN25-210JIS	100	25	50	57	210	24	25	68	311.8	M120U140	5.85
	SLN32-105JIS	100	32	60	-	105	24	28	73	206.8	M160U160	6.50
	SLN32-165JIS	100	32	60	65	165	24	28	73	266.8	M160U160	7.00
	SLN32-210JIS	100	32	60	65	210	24	28	73	311.8	M160U160	6.68
	SLN32-250JIS	100	32	50	55	250	24	28	73	351.8	M160U160	8.00
	SLN42-210JIS	100	42	70	75	210	30	32	85	311.8	M200Z130P	7.23
	SLN50-120JIS	100	50	90	-	120	35	35	90	221.8	M200Z180P	5.65
	SLN50.8-120JIS	100	50.8	90	-	120	33	34.54	90	221.8	M200Z180P	5.58

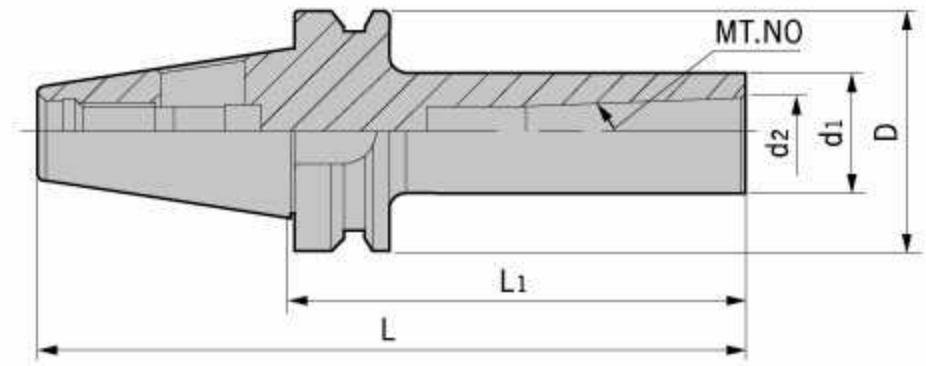
BT-MTA Morse Taper Holder

BT-MTA莫氏錐套刀柄（鑽頭套筒）







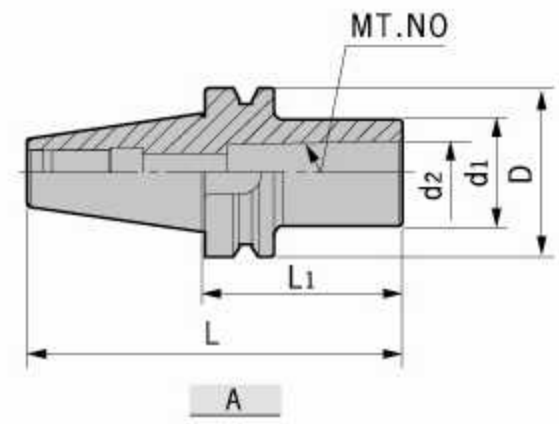


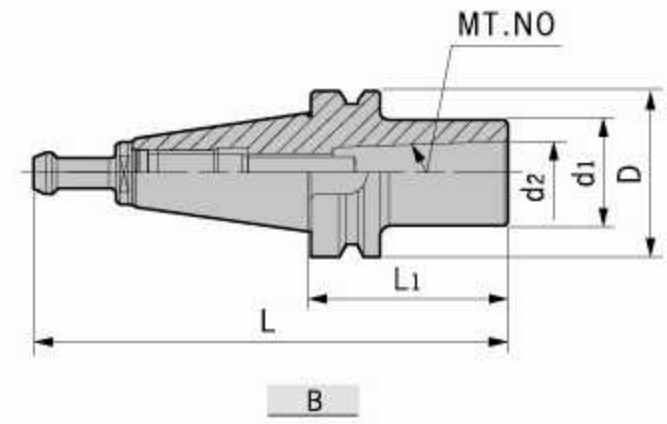
型號 Specification	莫氏錐度 MT.NO	D	d1	d2	L1	L	重量 Weight
BT30- MTA1-45	1	46	25	12.065	45	93.4	0.55
MTA1-105	1	46	25	12.065	105	153.4	0.80
MTA2-60	2	46	32	17.780	60	108.4	0.60
MTA2-120	2	46	32	17.780	120	168.4	0.90
MTA3-80	3	46	40	23.825	80	128.4	0.80
BT40- MTA1-45	1	63	25	12.065	45	110.4	1.05
MTA1-120	1	63	25	12.065	120	185.4	1.28
MTA2-50	2	63	32	17.780	50	115.4	1.00
MTA2-120	2	63	32	17.780	120	185.4	1.41
MTA3-70	3	63	40	23.825	70	135.4	1.13
MTA3-135	3	63	40	23.825	135	200.4	1.75
MTA4-95	4	63	48	31.267	95	160.4	1.35
MTA4-165	4	63	48	31.267	165	230.4	2.30
BT50- MTA1-45	1	100	25	12.065	45	146.8	3.59
MTA1-120	1	100	25	12.065	120	221.8	3.88
MTA1-180	1	100	25	12.065	180	281.8	4.12
MTA2-60	2	100	32	17.780	60	161.8	3.64
MTA2-135	2	100	32	17.780	135	236.8	4.17
MTA2-180	2	100	32	17.780	180	281.8	4.39
MTA3-65	3	100	40	23.825	65	166.8	3.60
MTA3-150	3	100	40	23.825	150	251.8	4.40
MTA3-180	3	100	40	23.825	180	281.8	4.73
MTA4-95	4	100	48	31.267	95	196.8	3.88
MTA4-180	4	100	48	31.267	180	281.8	5.00
MTA5-105	5	100	63	44.399	105	206.8	3.74

BT-MTB Morse Taper Holder

BT-MTB莫氏錐套刀柄（螺絲鎖緊）







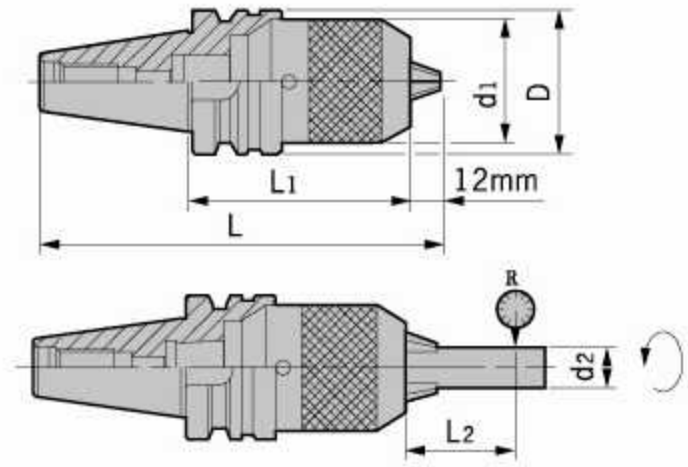
型號 Specification		莫氏錐度 MT.NO	圖示 Figure	D	d_1	d_2	L_1	L	拉緊螺釘 Tension screw	範圍 Range	重量 Weight
BT30-	MTB1-45	1	A	46	25	12.065	45	93.4	E060U160	Φ10-Φ14	0.55
	MTB2-60	2	B	46	32	17.780	60	108.4	BT30-45-MT2	Φ16-Φ22	0.60
BT40-	MTB1-45	1	A	63	25	23.825	45	110.4	E060U160	Φ10-Φ14	1.00
	MTB2-50	2	A	63	32	12.065	50	115.4	E100U300-MTB	Φ15-Φ22	1.02
	MTB3-75	3	B	63	40	23.825	75	140.4	BT40-45-MT3	Φ24-Φ32	1.19
	MTB4-90	4	B	63	48	31.267	90	155.4	BT40-45-MT4	Φ32-Φ50	1.33
BT50-	MTB1-45	1	A	100	25	12.065	45	146.8	E060U250	Φ10-Φ14	3.30
	MTB2-45	2	A	100	32	17.780	45	151.8	E100U350	Φ16-Φ22	3.57
	MTB3-60	3	A	100	40	23.825	60	161.8	E120U400	Φ24-Φ32	3.61
	MTB4-75	4	A	100	50	31.267	75	176.8	E160U400-MTB	Φ32-Φ50	3.68
	MTB5-120	5	B	100	70	44.399	120	221.8	BT50-45-MT5	Φ55-Φ60	4.10

BT-SPU Drill Chuck Holder

BT-SPU直結式鑽夾頭刀柄







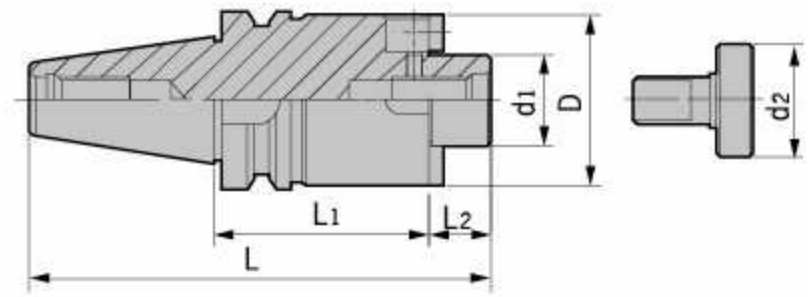
型號 Specification		D	d_1	d_2	L_1	L_2	L	偏擺精度 R	夾持範圍 Range	重量 Weight
BT30-	SPU8-80	46	37	8	80	55	137.4	0.04	0-8	0.72
	SPU13-110	46	50	13	110	75	170.4	0.04	0-13	1.62
	SPU16-110	46	57	16	110	80	180.4	0.04	3-16	1.70
BT40-	SPU8-85	63	37	8	85	55	159.4	0.04	0-8	1.36
	SPU13-100	63	50	13	100	75	177.4	0.04	0-13	1.76
	SPU13-130	63	50	13	130	75	207.4	0.04	0-13	2.47
	SPU16-105	63	57	16	105	80	187.4	0.04	3-16	2.18
BT50-	SPU8-90	100	37	8	90	55	200.4	0.04	0-8	4.32
	SPU13-100	100	50	13	100	75	213.4	0.04	0-13	4.98
	SPU13-180	100	50	13	180	75	293.4	0.04	0-13	6.06
	SPU16-105	100	57	16	105	80	223.4	0.04	3-16	4.78
	SPU16-130	100	57	16	130	80	248.4	0.04	3-16	5.24
	SPU16-190	100	57	16	190	80	308.8	0.04	3-16	6.66

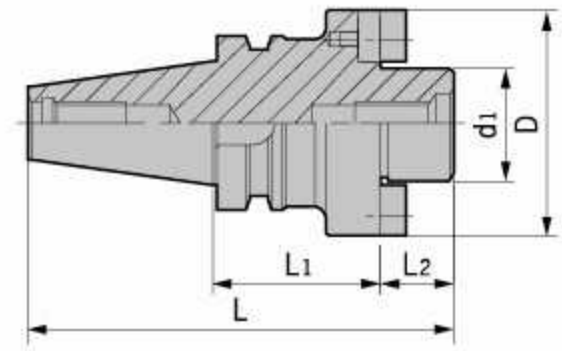
BT-FMA Face Mill Holder

BT-FMA平面銑刀柄（直柄式）









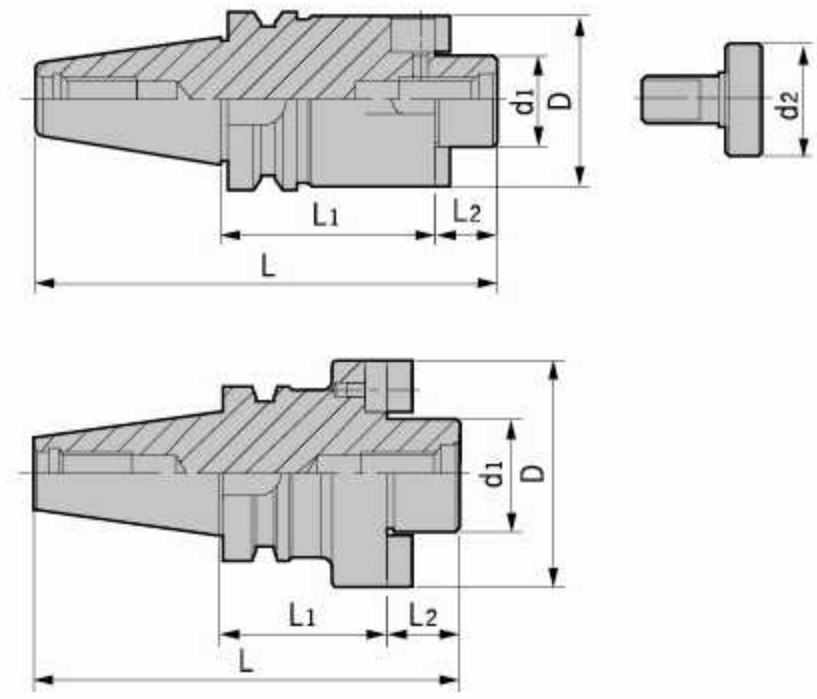
型號 Specification		D	d1	d2	L1	L2	L	刀盤鎖緊螺釘 Locking screw for cutter	墊圈 Washer	重量 Weight
BT30-	FMA25.4-45	50	25.40	31.5	45	20	113.4	E120U300	-	1.10
	FMA25.4-60	50	25.40	31.5	60	20	128.4	E120U300	-	1.30
	FMA31.75-45	60	31.75	40	45	22	115.4	E160U350	-	1.35
BT40-	FMA25.4-45	50	25.40	31.5	45	20	130.4	E120U300	-	1.54
	FMA25.4-60	50	25.40	31.5	60	20	145.4	E120U300	-	1.77
	FMA25.4-90	50	25.40	31.5	90	20	175.4	E120U300	-	2.23
	FMA25.4-105	50	25.40	31.5	105	20	190.4	E120U300	-	2.47
	FMA31.75-45	60	31.75	40	45	22	132.4	E160U350	FM-2	1.65
	FMA31.75-75	60	31.75	40	75	22	162.4	E160U350	FM-2	2.31
	FMA31.75-90	60	31.75	40	90	22	177.4	E160U350	FM-2	2.64
	FMA38.10-60	75	38.10	50	60	25	150.4	E160U350	FM-3	2.36
	FMA50.80-60	98	50.80	65	60	36	161.4	E160U350	-	3.50
BT50-	FMA25.4-45	50	25.40	31.5	45	20	166.8	E120U300	-	3.87
	FMA25.4-90	50	25.40	31.5	90	20	211.8	E120U300	-	4.54
	FMA25.4-150	50	25.40	31.5	150	20	271.8	E120U300	-	5.47
	FMA31.75-45	60	31.75	40	45	22	168.8	E160Z350-40	-	4.04
	FMA31.75-75	60	31.75	40	75	22	198.8	E160Z350-40	-	4.72
	FMA31.75-105	98	31.75	40	105	22	228.8	E160Z350-40	-	7.19
	FMA38.10-45	80	38.10	50	45	25	171.8	E160Z350-50	-	4.27
	FMA38.10-75	80	38.10	50	75	25	201.8	E160Z350-50	-	5.48
	FMA50.80-45	95	50.80	65	45	36	182.8	E240Z350-65	-	4.74
	FMA50.80-75	95	50.80	65	75	36	212.8	E240Z350-65	-	6.35
	FMA47.625F-75	128.75	47.625	-	75	32	208.8	E160U500	-	7.60

BT-FMB Face Mill Holder

BT-FMB平面銑刀柄（直柄式）







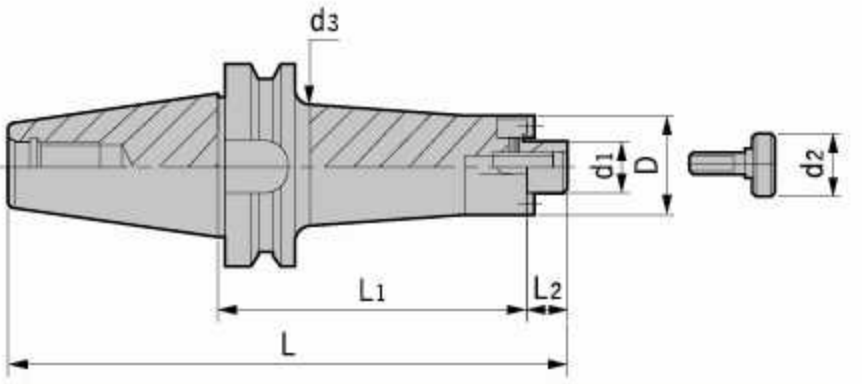
型號 Specification		D	d1	d2	L1	L2	L	刀盤鎖緊螺釘 Locking screw for cutter	墊圈 Washer	重量 Weight
BT30-	FMB22-45	48	22	16	45	18	111.4	E100U300	-	0.85
	FMB22-60	48	22	16	60	18	126.4	E100U300	-	1.25
	FMB27-45	60	27	33	45	20	113.4	E120U300	FM-1	1.20
	FMB27-60	60	27	33	60	20	128.4	E120U300	FM-1	1.35
	FMB32-45	78	32	40	45	22	115.4	E160U350	-	1.35
BT40-	FMB22-45	48	22	16	45	18	128.4	E100U300	-	1.31
	FMB22-60	48	22	16	60	18	143.4	E100U300	-	1.51
	FMB22-90	48	22	16	90	18	173.4	E100U300	-	1.94
	FMB22-150	48	22	16	150	18	233.4	E100U300	-	2.70
	FMB22-200	48	22	16	200	18	283.4	E100U300	-	3.43
	FMB27-45	60	27	33	45	20	130.4	E120U300	FM-1	1.52
	FMB27-60	60	27	33	60	20	145.4	E120U300	FM-1	1.86
	FMB27-90	60	27	33	90	20	175.4	E120U300	FM-1	2.51
	FMB27-105	60	27	33	105	20	190.4	E120U300	FM-1	2.86
	FMB32-45	78	32	40	45	22	132.4	E160U350	FM-2	1.87
	FMB32-60	78	32	40	60	22	147.4	E160U350	FM-2	2.32
	FMB40-60	80	40	50	60	25	150.4	E160U350	FM-3	2.47
BT50-	FMB22-45	48	22	16	45	18	164.8	E100U300	-	3.79
	FMB22-90	48	22	16	90	18	209.8	E100U300	-	4.53
	FMB22-150	48	22	16	150	18	269.8	E100U300	-	5.27
	FMB22-200	48	22	16	200	18	319.8	E100U300	-	5.97
	FMB22-250	48	22	16	250	18	369.8	E100U300	-	6.69
	FMB22-300	48	22	16	300	18	419.8	E100U300	-	7.42
	FMB22-350	48	22	16	350	18	469.8	E100U300	-	8.13
	FMB22-400	48	22	16	400	18	519.8	E100U300	-	8.83
	FMB27-50	60	27	33	50	20	171.8	E120U300	FM-1	4.04
	FMB27-90	60	27	33	90	20	211.8	E120U300	FM-1	4.94
	FMB27-150	60	27	33	150	20	271.8	E120U300	FM-1	6.25
	FMB27-200	60	27	33	200	20	321.8	E120U300	FM-1	7.37
	FMB27-250	60	27	33	250	20	371.8	E120U300	FM-1	8.51
	FMB32-50	78	32	40	50	22	173.8	E160Z350-40	-	4.40
	FMB32-90	78	32	40	90	22	213.8	E160Z350-40	-	5.79
	FMB40-50	85	40	50	50	25	176.8	E160Z350-50	-	4.57
	FMB40-90	85	40	50	90	25	216.8	E160Z350-50	-	6.45
	FMB40-105	85	40	50	105	25	231.8	E160Z350-50	-	7.02
	FMB60F-75	140	60	-	75	25	201.8	E160U500	-	8.00

BT-FMA-BG Face Mill Holder With Extra Length And Angle

BT-FMA-BG平面銑刀柄（加長斜度柄）







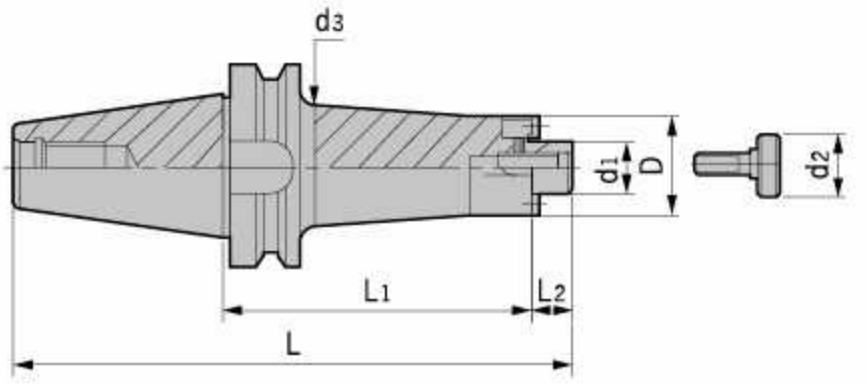
型號 Specification		D	d1	d2	d3	L1	L2	L	刀盤鎖緊螺釘 Locking screw for cutter	重量 Weight
BT50-	FMA25.4-125BG	48	25.4	31.5	60	125	20	246.8	E120U300	5.60
	FMA25.4-150BG	48	25.4	31.5	60	150	20	271.8	E120U300	6.20
	FMA25.4-200BG	58	25.4	31.5	63	200	20	321.8	E120U300	7.50
	FMA25.4-250BG	58	25.4	31.5	63	250	20	371.8	E120U300	8.40
	FMA25.4-300BG	58	25.4	31.5	63	300	20	421.8	E120U300	9.40
	FMA25.4-350BG	58	25.4	31.5	66	350	20	471.8	E120U300	9.70
	FMA25.4-400BG	58	25.4	31.5	66	400	20	521.8	E120U300	10.50
	FMA31.75-125BG	70	31.75	40	75	125	22	248.8	E160Z500-40	5.60
	FMA31.75-150BG	70	31.75	40	75	150	22	273.8	E160Z500-40	6.30
	FMA31.75-175BG	70	31.75	40	75	175	22	298.8	E160Z500-40	8.30
	FMA31.75-200BG	70	31.75	40	75	200	22	323.8	E160Z500-40	9.10
	FMA31.75-250BG	70	31.75	40	75	250	22	373.8	E160Z500-40	10.60
	FMA31.75-300BG	70	31.75	40	75	300	22	423.8	E160Z500-40	12.10
	FMA31.75-350BG	70	31.75	40	75	350	22	473.8	E160Z500-40	13.60

BT-FMB-BG Face Mill Holder With Extra Length And Angle

BT-FMB-BG平面銑刀柄（加長斜度柄）







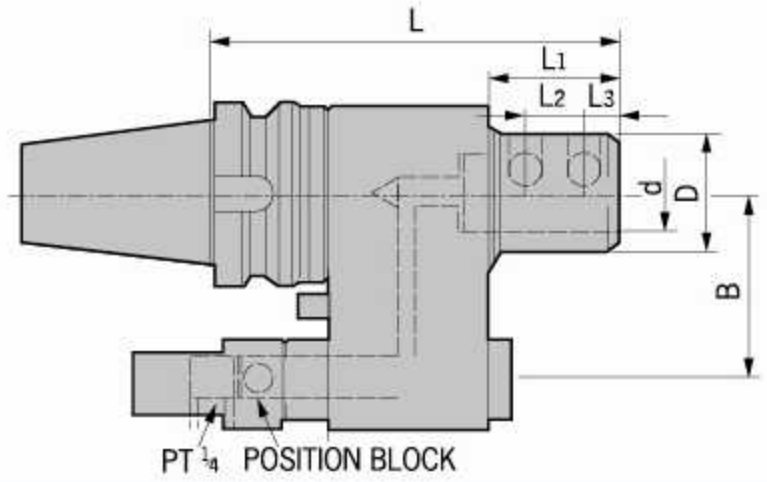
型號 Specification		D	d1	d2	d3	L1	L2	L	刀盤鎖緊螺釘 Locking screw for cutter	重量 Weight
BT40-	FMB22-150BG	48	22	16	50	150	18	233.4	E100U300	2.83
	FMB22-200BG	48	22	16	50	200	18	283.4	E100U300	3.57
	FMB22-250BG	48	22	16	50	250	18	333.4	E100U300	4.29
	FMB22-300BG	48	22	16	50	300	18	383.4	E100U300	5.04
	FMB22-350BG	48	22	16	50	350	18	433.4	E100U300	5.79
	FMB22-400BG	48	22	16	50	400	18	483.4	E100U300	6.58
BT50-	FMB22-150BG	58	22	16	63	150	18	269.8	E100U300	6.17
	FMB22-200BG	58	22	16	63	200	18	319.8	E100U300	7.28
	FMB22-250BG	58	22	16	63	250	18	369.8	E100U300	8.41
	FMB22-300BG	58	22	16	63	300	18	419.8	E100U300	9.55
	FMB22-350BG	58	22	16	66	350	18	469.8	E100U300	10.72
	FMB22-400BG	58	22	16	66	400	18	519.8	E100U300	11.92
	FMB22-450BG	58	22	16	66	450	18	569.8	E100U300	13.20
	FMB22-500BG	58	22	16	66	500	18	619.8	E100U300	14.36

BT-SLO Oil-feed Holder

BT-SLO油路刀柄







型號 Specification		D	d	L_1	L_2	L_3	L	B	側面壓緊螺釘 Side-lock screw	扳手 Wrench	重量 Weight
BT40-	SLO32-150	53	32	50	15	15	150	60/65	M120U200	L06D	5.33/5.35
	SLO40-150	60	40	50	18	19	150	60/65	M120U160	L06D	5.04/5.07
BT50-	SLO32-160	54	32	50	15	15	160	80/82	M140U200	L08D	8.63/8.65
	SLO40-160	64	40	50	18	19	160	80/82	M140U160	L08D	8.33/8.35

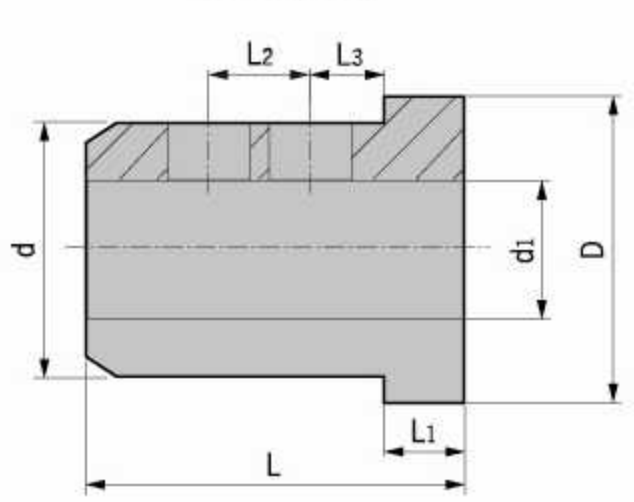
注意：請于訂購時，依據機臺規格確認中心距離B的尺寸。
Notice:When ordering,please specify the B part of OIL-FEED HOLDER according to your machine.

CSO Oil-feed Holders Reducing Sleeve

CSO油路刀套

型號 Specification		D	d	d_1	L_1	L_2	L_3	L	重量 Weight
CSO	32-16	53	32	16	10	15	15	65	0.40
	32-20	53	32	20	10	15	15	65	0.35
	32-25	53	32	25	10	15	15	65	0.26
	40-16	63	40	16	10	18	19	75	0.74
	40-20	63	40	20	10	18	19	75	0.68
	40-25	63	40	25	10	18	19	75	0.59
	40-32	63	40	32	10	18	19	75	0.41





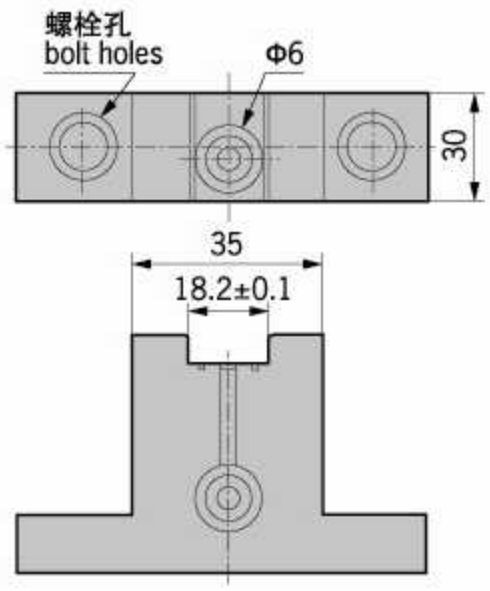
SLO Oil-feed Holders Positioning Block

SLO油路止動塊

型號 Specification	重量 Weight
BT40-PB30-35	0.53
BT50-PB30-35	0.46



注意：在使用油路刀柄時，止動塊是必需的配套附件。
止動塊可安裝到ATC等機器上。因此，隨着越來越多的不同型號的機器，有必要與機械制造商協商正確安裝。
Notice:In using OIL-FEED holder, positioning block illustrated here is necessary. The positioning block can be mounted to the intefere with ATC arm, etc. of the machine. Therefore, as the mounting differs with different machines, it is necessary to consult the machine manufacturer about the proper mounting.

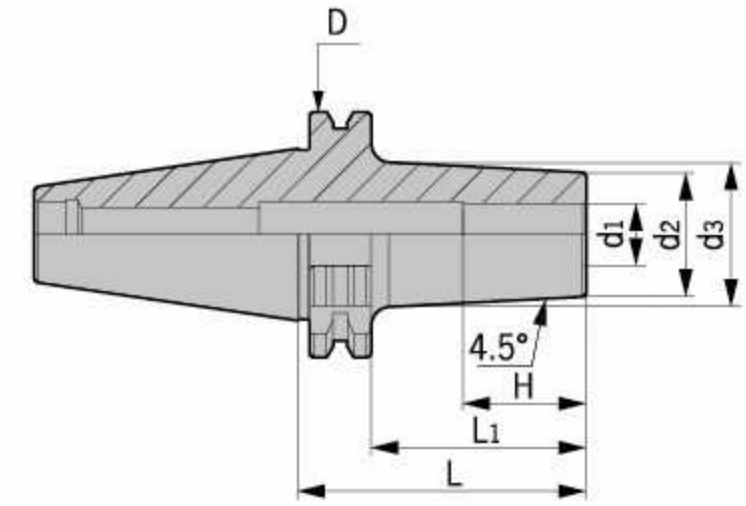


SK-SF Shrink Fit Holder

SK-SF燒結式熱裝刀柄（一體式）







型號 Specification		D	d1	d2	d3	L1	L	H	重量 Weight
SK40-	SF16-80	63.55	16	27	34	61	80	32	1.1
	SF16-130	63.55	16	27	34	111	130	32	1.4
	SF20-80	63.55	20	33	42	61	80	40	1.2
	SF20-130	63.55	20	33	42	111	130	40	1.7
	SF25-100	63.55	25	44	53	81	100	45	1.5
	SF25-130	63.55	25	44	53	111	130	45	2.3
	SF32-100	63.55	32	44	53	81	100	50	2
SK50-	SF16-80	97.5	16	27	34	61	80	32	2.9
	SF16-130	97.5	16	27	34	111	130	32	3.2
	SF20-80	97.5	20	33	42	61	80	40	3
	SF20-130	97.5	20	33	42	111	130	40	3.5
	SF25-100	97.5	25	44	53	81	100	45	3.6
	SF25-130	97.5	25	44	53	111	130	45	4
	SF32-100	97.5	32	44	53	81	100	50	4
	SF32-130	97.5	32	44	53	111	130	50	4.4

特 點 / Feature

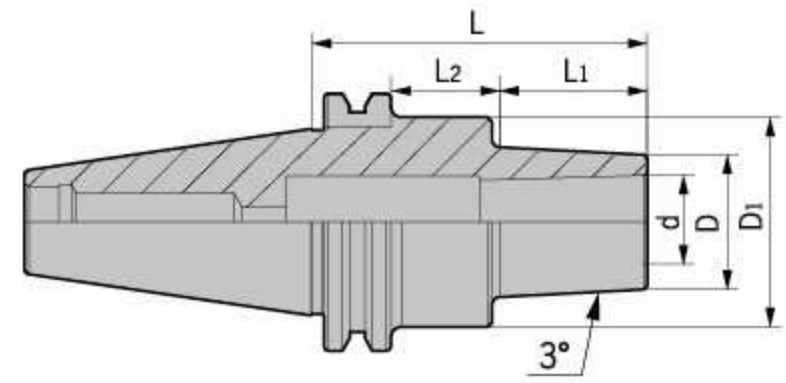
■跳動精度：＜0.005mm(4xD)。
■最高轉速可達30.000rpm;G2.5。
■Runout:below 0.005mm(length 4D).
■Max speed:30.000rpm;G2.5.

SK-DSF Shrink Fit Holder

SK-DSF燒結式熱裝刀柄（分體式）







型號 Specification		D	D1	d	L1	L2	L	重量 Weight
SK40-	DSF12-45	38	-	12	18	-	45	1.10
	DSF12-75	38	-	12	48	-	75	1.40
	DSF12-135	41	-	12	108	-	135	2.20
SK50-	DSF12-75	38	65	12	25	21	75	4.00
	DSF12-105	41	65	12	55	21	105	4.40
	DSF12-135	41	65	12	85	21	135	4.70

特 點 / Feature

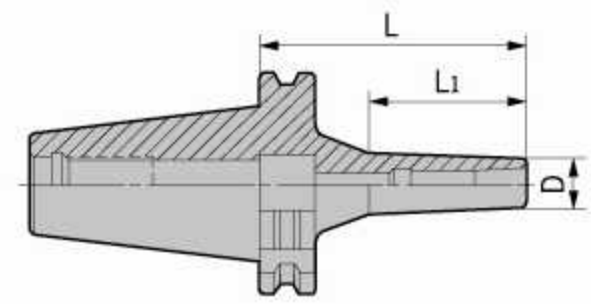
■跳動精度：＜0.005mm(4xD)。
■最高轉速可達30.000rpm;G2.5。
■Runout:below 0.005mm(length 4D).
■Max speed:30.000rpm;G2.5.

SK-DC Precision Slim Collet Chuck

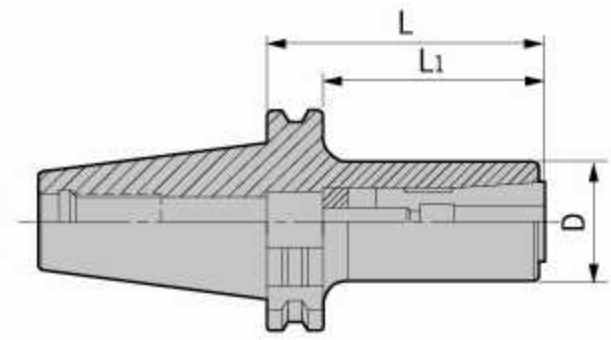
SK-DC小徑精密夾頭本體







A



B

型號 Specification		圖示 Figure	D	L1	L	適用筒夾 Suit collet	拉緊螺釘 Tension screw	止動螺母 Stop nut	扳手 Wrench	重量 Weight
SK40-	DC6-90	A	13	45	90	DC6	E050U450	ZD6-2	T04-L	1.05
	DC8-90	A	22	53	90	DC8	E060U600	ZD8-1	T05-L	1.10
	DC10-90	B	28	51	90	DC10	E080U300	ZD10-2	T06-L	1.20
	DC12-90	B	34	55	90	DC12	E100U350	ZD12-1	T08-L	1.28
SK50-	DC10-110	A	28	57	110	DC10	E080U800	ZD12-1	T06-L	4.20
	DC12-110	B	34	57	110	DC12	E100U350	ZD12-1	T08-L	4.70

特 點 / Feature

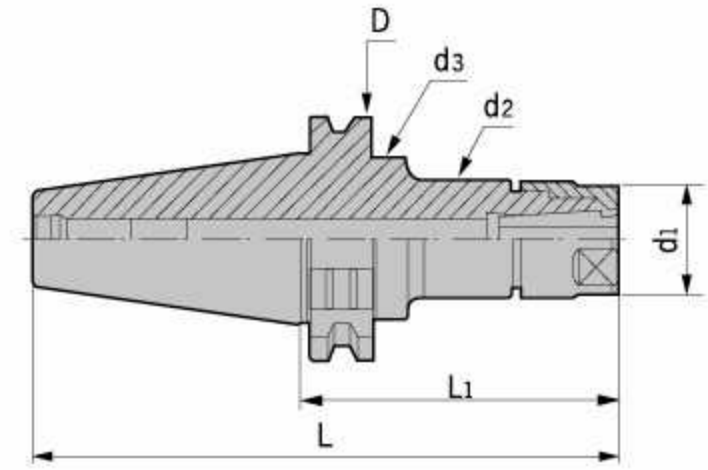
■跳動精度：＜0.005mm(4xD)。
■最高轉速可達30.000rpm;G2.5。

■Runout:below 0.005mm(length 4D).
■Max speed:30.000rpm;G2.5.

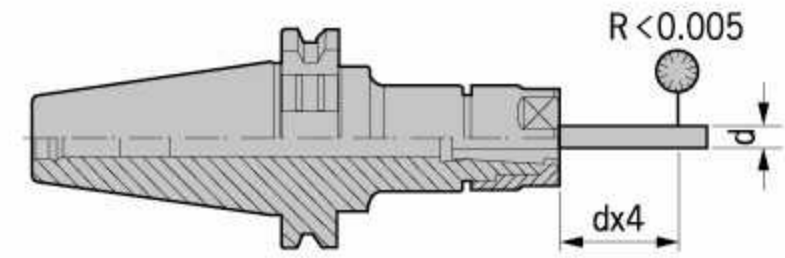
SK-DSK High Speed Milling Holder

SK-DSK高速精密筒夾本體









型號 Specification		夾持範圍 Range	D	d1	d2	d3	L1	L	適用螺帽 Suit nut	重量 Weight
SK30-	DSK6-70	0.7-6.0	50	19.5	20.5	20.5	70	117.8	DSK6-A	0.45
	DSK6-100	0.7-6.0	50	19.5	20.5	32	100	147.8	DSK6-A	0.64
	DSK10-70	1.75-10.0	50	27	29	29	70	117.8	DSK10-A	0.45
	DSK10-100	1.75-10.0	50	27	29	29	100	147.8	DSK10-A	0.64
	DSK16-100	2.75-16.0	50	40	41.9	41.9	100	147.8	DSK16-M	0.90
	DSK16-120	2.75-16.0	50	40	41.9	41.9	120	167.8	DSK16-M	1.00
	DSK16-150	2.75-16.0	50	40	41.9	41.9	150	197.8	DSK16-M	1.12
	DSK25-100	16.0-25.4	50	54.5	56.1	56.1	100	147.8	DSK25-M	1.20
SK40-	DSK6-70	0.7-6.0	63.55	19.5	20.5	20.5	70	138.4	DSK6-A	1.05
	DSK6-100	0.7-6.0	63.55	19.5	20.5	32	100	168.4	DSK6-A	1.25
	DSK6-120	0.7-6.0	63.55	19.5	20.5	32	120	188.4	DSK6-A	1.39
	DSK10-70	1.75-10.0	63.55	27	29	29	70	138.4	DSK10-A	1.20
	DSK10-100	1.75-10.0	63.55	27	29	40	100	168.4	DSK10-A	1.30
	DSK10-120	1.75-10.0	63.55	27	29	40	120	188.4	DSK10-A	1.42
	DSK10-150	1.75-10.0	63.55	27	29	40	150	218.4	DSK10-A	1.55
	DSK16-70	2.75-16.0	63.55	40	41.9	41.9	70	138.4	DSK16-M	1.21
	DSK16-100	2.75-16.0	63.55	40	41.9	41.9	100	168.4	DSK16-M	1.42
	DSK16-120	2.75-16.0	63.55	40	41.9	41.9	120	188.4	DSK16-M	1.61
	DSK16-150	2.75-16.0	63.55	40	41.9	41.9	150	218.4	DSK16-M	1.80
	DSK25-100	16.0-25.4	63.55	54.5	56.1	56.1	100	168.4	DSK25-M	1.81
	DSK25-120	16.0-25.4	63.55	54.5	56.1	56.1	120	188.4	DSK25-M	2.05
SK50-	DSK10-105	1.75-10.0	97.5	27	29	29	105	201.75	DSK10-A	3.78
	DSK10-135	1.75-10.0	97.5	27	29	32	135	226.75	DSK10-A	4.00
	DSK10-150	1.75-10.0	97.5	27	29	32	150	251.75	DSK10-A	4.33
	DSK16-100	2.75-16.0	97.5	40	41.9	41.9	100	201.75	DSK16-M	3.93
	DSK16-125	2.75-16.0	97.5	40	41.9	41.9	125	226.75	DSK16-M	4.17
	DSK16-150	2.75-16.0	97.5	40	41.9	50	150	251.75	DSK16-M	4.49
	DSK16-200	2.75-16.0	97.5	40	41.9	52	200	301.75	DSK16-M	5.62
	DSK25-100	16.0-25.4	97.5	54.5	56.1	56.1	100	201.75	DSK25-M	4.10
	DSK25-125	16.0-25.4	97.5	54.5	56.1	56.1	125	226.75	DSK25-M	4.62
	DSK25-150	16.0-25.4	97.5	54.5	56.1	56.1	150	251.75	DSK25-M	5.10
	DSK25-200	16.0-25.4	97.5	54.5	56.1	56.1	200	301.75	DSK25-M	5.81

注意：報價時含螺帽，筒夾和扳手需單獨訂購。
Notice:Quotation includes hex nut, while collets and wrenches shall be ordered separately.

特點 / Feature

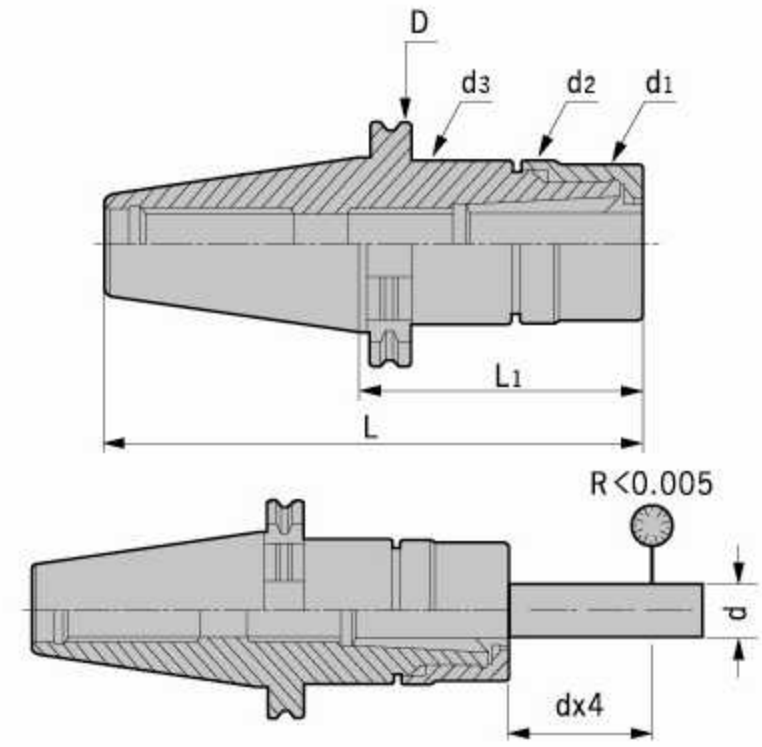
■最大速度:20,000 r.p.m G2.5。
■Max speed:20,000 r.p.m G2.5.

SK-GSK High Speed Milling Holder

SK-GSK高速精密筒夾本體







型號 Specification		夾持範圍 Range	D	d1	d2	d3	L1	L	適用螺帽 Suit nut	重量 Weight
SK30-	GSK6-70	0.7-6.0	50	19.5	20.5	20.5	70	117.8	GSK6	0.45
	GSK6-100	0.7-6.0	50	19.5	20.5	32	100	147.8	GSK6	0.64
	GSK10-70	1.75-10.0	50	27	29	29	70	117.8	GSK10	0.45
	GSK10-100	1.75-10.0	50	27	29	29	100	147.8	GSK10	0.64
	GSK16-100	2.75-16.0	50	40	41.9	41.9	100	147.8	GSK16	0.90
	GSK16-120	2.75-16.0	50	40	41.9	41.9	120	167.8	GSK16	1.00
	GSK16-150	2.75-16.0	50	40	41.9	41.9	150	197.8	GSK16	1.12
	GSK25-100	16.0-25.4	50	54.5	56.1	56.1	100	147.8	GSK25	1.20
SK40-	GSK6-70	0.7-6.0	63.55	19.5	20.5	20.5	70	138.4	GSK6	1.05
	GSK6-100	0.7-6.0	63.55	19.5	20.5	32	100	168.4	GSK6	1.25
	GSK6-120	0.7-6.0	63.55	19.5	20.5	32	120	188.4	GSK6	1.39
	GSK10-70	1.75-10.0	63.55	27	29	29	70	138.4	GSK10	1.20
	GSK10-100	1.75-10.0	63.55	27	29	40	100	168.4	GSK10	1.30
	GSK10-120	1.75-10.0	63.55	27	29	40	120	188.4	GSK10	1.42
	GSK10-150	1.75-10.0	63.55	27	29	40	150	218.4	GSK10	1.55
	GSK16-70	2.75-16.0	63.55	40	41.9	41.9	70	138.4	GSK16	1.21
	GSK16-100	2.75-16.0	63.55	40	41.9	41.9	100	168.4	GSK16	1.42
	GSK16-120	2.75-16.0	63.55	40	41.9	41.9	120	188.4	GSK16	1.61
	GSK16-150	2.75-16.0	63.55	40	41.9	41.9	150	218.4	GSK16	1.80
	GSK25-100	16.0-25.4	63.55	54.5	56.1	56.1	100	168.4	GSK25	1.81
	GSK25-120	16.0-25.4	63.55	54.5	56.1	56.1	120	188.4	GSK25	2.05
SK50-	GSK10-100	1.75-10.0	97.5	27	29	29	100	201.75	GSK10	3.78
	GSK10-120	1.75-10.0	97.5	27	29	32	120	221.75	GSK10	3.85
	GSK10-150	1.75-10.0	97.5	27	29	32	150	251.75	GSK10	4.33
	GSK16-100	2.75-16.0	97.5	40	41.9	41.9	100	201.75	GSK16	3.93
	GSK16-120	2.75-16.0	97.5	40	41.9	41.9	120	221.75	GSK16	4.10
	GSK16-150	2.75-16.0	97.5	40	41.9	50	150	251.75	GSK16	4.49
	GSK16-200	2.75-16.0	97.5	40	41.9	52	200	301.75	GSK16	5.62
	GSK25-100	16.0-25.4	97.5	54.5	56.1	56.1	100	201.75	GSK25	4.10
	GSK25-120	16.0-25.4	97.5	54.5	56.1	56.1	120	221.75	GSK25	4.50
	GSK25-150	16.0-25.4	97.5	54.5	56.1	56.1	150	251.75	GSK25	5.10
	GSK25-200	16.0-25.4	97.5	54.5	56.1	56.1	200	301.75	GSK25	5.81

注意：報價時含螺帽，筒夾和扳手需單獨訂購。
Notice:Quotation includes hex nut, while collets and wrenches shall be ordered separately.

特點 / Feature

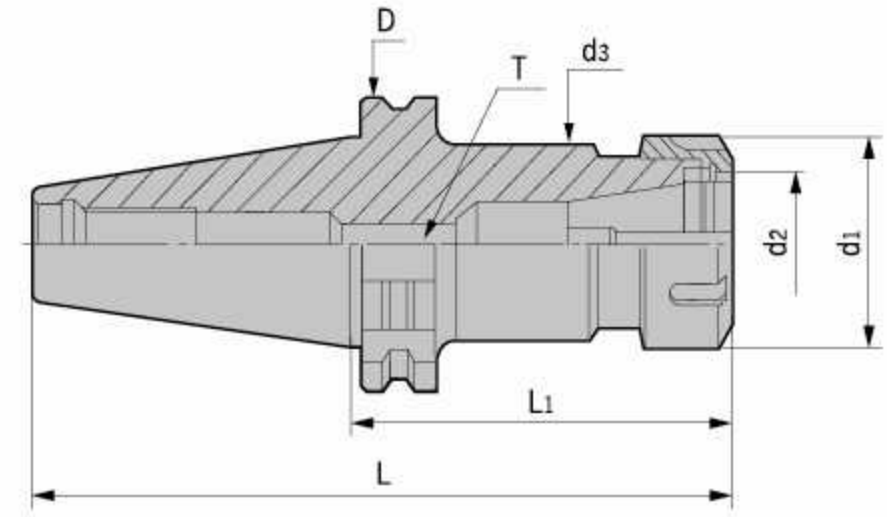
■最大速度:35,000 r.p.m G2.5。
■Max speed:35,000 r.p.m G2.5.

SK-ER Spring Collet Chuck

SK-ER彈性筒夾本體







型號 Specification		D	d1	d2	d3	L1	L	重量 Weight
SK30-	ER11-60	50	19	11	19	60	127.8	0.45
	ER16-70	50	28	16	28	70	117.8	0.52
	ER16-100	50	28	16	28	100	147.8	0.64
	ER20-70	50	34	20	34	70	117.8	0.57
	ER20-100	50	34	20	34	100	147.8	0.76
	ER25-70	50	42	25	42	70	117.8	0.66
	ER32-70	50	50	32	50	70	117.8	0.72
SK40-	ER11-80	63.55	19	11	19	80	148.4	0.70
	ER11-125	63.55	19	11	19	125	193.4	0.96
	ER16-70	63.55	28	16	28	70	138.4	1.08
	ER16-100	63.55	28	16	28	100	168.4	1.21
	ER16-125	63.55	28	16	28	125	193.4	1.30
	ER16-150	63.55	28	16	28	150	218.4	1.44
	ER20-70	63.55	34	20	34	70	138.4	1.12
	ER20-100	63.55	34	20	34	100	168.4	1.33
	ER20-135	63.55	34	20	34	135	203.4	1.48
	ER20-160	63.55	34	20	34	160	228.4	1.65
	ER25-70	63.55	42	25	42	70	138.4	1.22
	ER25-100	63.55	42	25	42	100	168.4	1.49
	ER25-150	63.55	42	25	42	150	218.4	1.97
	ER25-200	63.55	42	25	42	200	268.4	2.23
	ER32-70	63.55	50	32	50	70	138.4	1.27
	ER32-100	63.55	50	32	50	100	168.4	1.70
	ER32-135	63.55	50	32	50	135	203.4	2.00
	ER32-160	63.55	50	32	50	160	228.4	2.39
	ER40-70	63.55	63	40	63	70	138.4	1.62
	ER40-100	63.55	63	40	63	100	168.4	2.08
	ER40-135	63.55	63	40	63	135	218.4	2.75
	ER50-100	63.55	78	50	78	100	168.4	2.20
SK50-	ER16-100	97.5	28	16	28	100	201.75	3.77
	ER16-135	97.5	28	16	28	135	236.75	3.95
	ER16-160	97.5	28	16	28	160	261.75	4.04
	ER16-200	97.5	28	16	28	200	301.75	5.04
	ER20-100	97.5	34	20	34	100	201.75	3.86
	ER20-135	97.5	34	20	34	135	236.75	4.08
	ER20-160	97.5	34	20	34	160	261.75	4.22

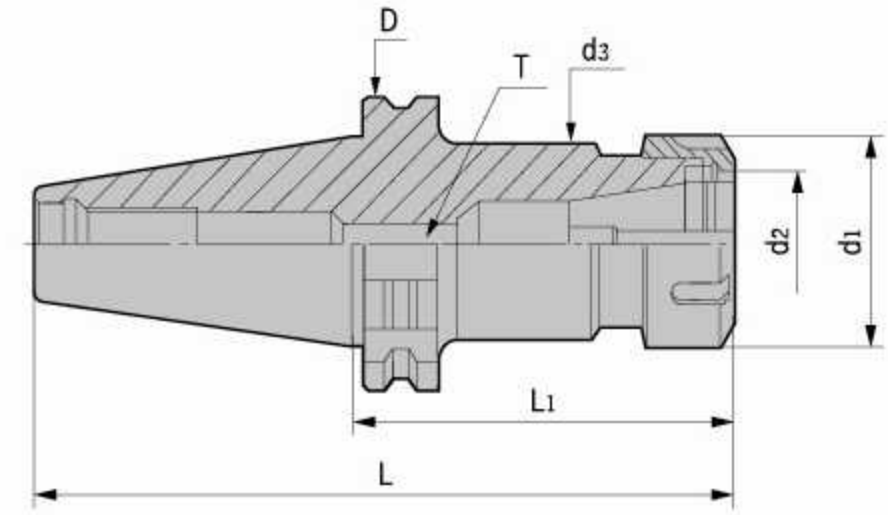
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SK-ER Spring Collet Chuck

SK-ER彈性筒夾本體







型號 Specification		D	d1	d2	d3	L1	L	重量 Weight
SK50-	ER25-70	97.5	42	25	42	70	171.75	3.64
	ER25-100	97.5	42	25	42	100	201.75	4.26
	ER25-150	97.5	42	25	42	150	251.75	4.54
	ER25-200	97.5	42	25	42	200	301.75	5.01
	ER32-80	97.5	50	32	50	80	181.75	3.80
	ER32-120	97.5	50	32	50	120	221.75	4.35
	ER32-160	97.5	50	32	50	160	261.75	4.82
	ER32-200	97.5	50	32	50	200	301.75	5.32
	ER40-80	97.5	63	40	63	80	181.75	3.93
	ER40-120	97.5	63	40	63	120	221.75	4.86
	ER40-160	97.5	63	40	63	160	261.75	5.51
	ER40-200	97.5	63	40	63	200	301.75	6.21
	ER50-80	97.5	78	50	78	80	181.75	4.90
	ER50-120	97.5	78	50	78	120	221.75	5.00
	ER50-160	97.5	78	50	78	160	261.75	5.84
	ER50-200	97.5	78	50	78	200	301.75	6.87

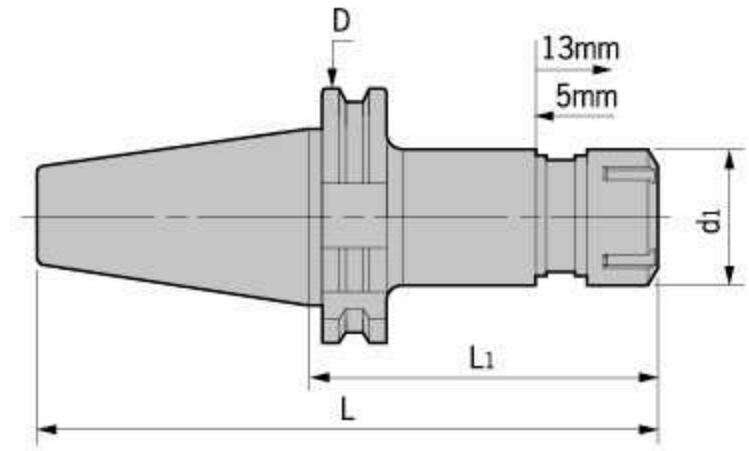
注意：報價時含螺帽，筒夾和扳手需單獨訂購。
Notice:Quotation includes hex nut, while collets and wrenches shall be ordered separately.

SK-TER Tapping Chuck

SK-TER伸縮攻牙器刀柄







型號 Specification		D	d1	L1	L	適用筒夾 Suit collet	攻牙能力 Tapping capacity	重量 Weight
SK40-	TER16-120	63.55	28	120	188.4	ER16	M3-M10	1.10
	TER16-150	63.55	28	150	218.4	ER16	M3-M10	1.40
	TER20-100	63.55	34	100	168.4	ER20	M3-M16	1.22
	TER20-150	63.55	34	150	218.4	ER20	M3-M16	1.70
	TER20-200	63.55	28	200	268.4	ER20	M3-M16	2.20
	TER32-120	63.55	50	120	188.4	ER32	M3-M27	1.52
SK50-	TER16-120	97.50	28	120	221.75	ER16	M3-M10	3.80
	TER16-150	97.50	28	150	251.75	ER16	M3-M10	4.12
	TER20-100	97.50	34	100	201.75	ER20	M3-M16	3.83
	TER20-150	97.50	34	150	251.75	ER20	M3-M16	4.45
	TER20-200	97.50	28	200	301.75	ER20	M3-M16	5.00
	TER32-120	97.50	50	120	221.75	ER32	M3-M27	4.40

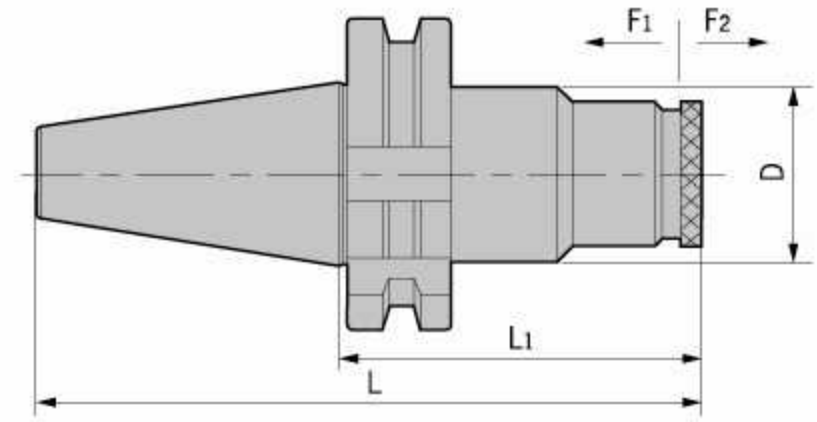
注意：報價時含螺帽，筒夾和扳手需單獨訂購。
Notice:Quotation includes hex nut, while collets and wrenches shall be ordered separately.

SK-TPM Tapping Chuck With High Rigidity

SK-TPM扭力伸縮攻牙刀柄





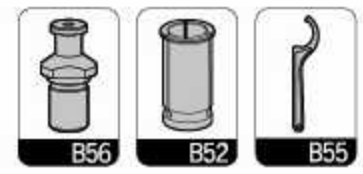


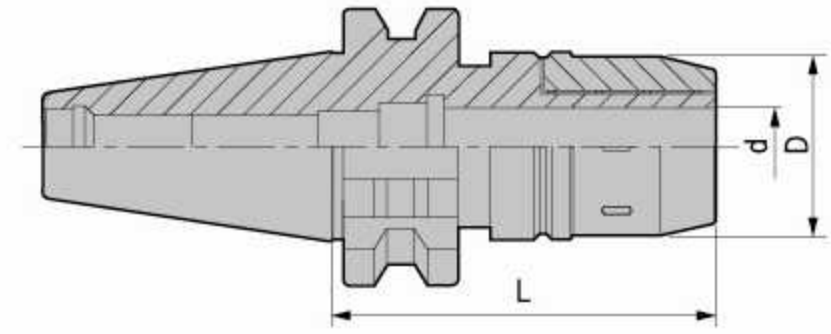
型號 Specification		D	F1	F2	L1	L	適用筒夾 Suit collet	攻牙能力 Tapping capacity	重量 Weight
SK40-	TPM316	50	10	20	96	163	TPD316	M3-M16	1.56
	TPM830	66	10	25	143.6	230	TPD830	M8-M30	2.62
SK50-	TPM316	50	10	20	96	163	TPD316	M3-M16	4.24
	TPM830	66	10	25(80)	143.6	230	TPD830	M8-M30	4.77

SK-HPC High Speed Milling Chuck

SK-HPC高速精密强力銑刀夾頭





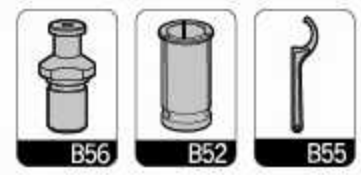


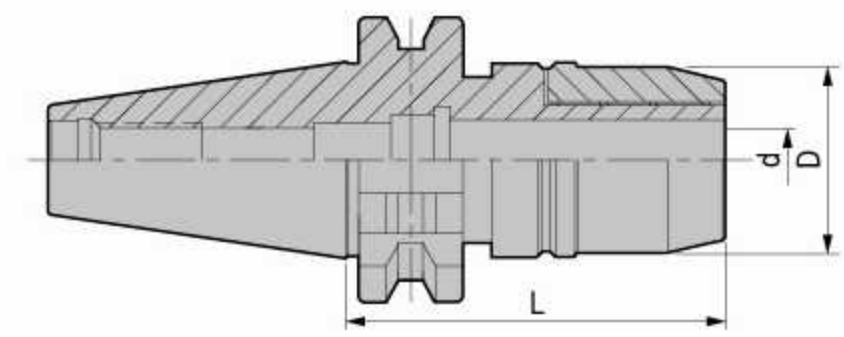
型號 Specification		範圍 Range	D	d	L	適用筒夾 Suit collet	重量 Weight
SK30-	HPC16-70	3-16	46	16	70	SC16	1.40
	HPC20-75	4-20	53	20	75	SC20	1.80
SK40-	HPC16-70	3-16	46	16	70	SC16	1.60
	HPC16-105	3-16	46	16	105	SC16	1.80
	HPC16-135	3-16	46	16	135	SC16	2.30
	HPC20-80	4-20	53	20	80	SC20	2.40
	HPC20-105	4-20	53	20	105	SC20	2.50
	HPC20-135	4-20	53	20	135	SC20	2.80
	HPC32-105	6-32	68	32	105	SC32	2.80
	HPC32-135	6-32	68	32	135	SC32	3.00
SK50-	HPC16-90	3-16	46	16	90	SC16	3.90
	HPC16-110	3-16	46	16	110	SC16	4.10
	HPC16-135	3-16	46	16	135	SC16	4.30
	HPC16-150	3-16	46	16	150	SC16	4.50
	HPC20-105	4-20	53	20	105	SC20	4.50
	HPC20-135	4-20	53	20	135	SC20	4.70
	HPC20-150	4-20	53	20	150	SC20	4.90
	HPC32-110	6-32	68	32	110	SC32	5.20
	HPC32-135	6-32	68	32	135	SC32	5.90
	HPC32-165	6-32	68	32	165	SC32	6.60

SK-HPM High Speed Milling Chuck

SK-HPM高速精密强力銑刀夾頭





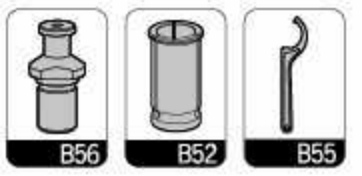


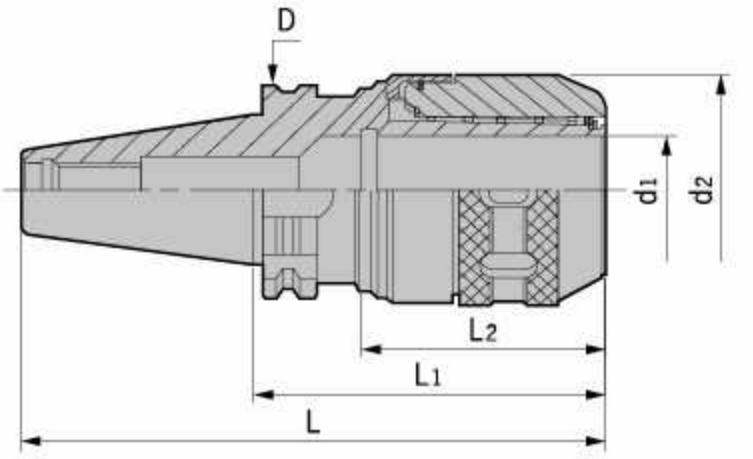
型號 Specification		範圍 Range	D	d	L	適用筒夾 Suit collet	重量 Weight
SK30-	HPM20-75	4-20	54	20	75	SC20	1.80
SK40-	HPM20-80	4-20	54	20	80	SC20	2.40
	HPM20-105	4-20	54	20	105	SC20	2.50
	HPM20-135	4-20	54	20	135	SC20	2.80
	HPM32-105	6-32	68	32	105	SC32	2.80
	HPM32-135	6-32	68	32	135	SC32	3.00
SK50-	HPM20-105	4-20	54	20	105	SC20	4.50
	HPM20-135	4-20	54	20	135	SC20	4.70
	HPM32-110	6-32	68	32	110	SC32	5.20
	HPM32-135	6-32	68	32	135	SC32	5.90

SK-MLC Power Milling Chuck

SK-MLC强力筒夹本體







型號 Specification		D	d1	d2	L1	L2	L	重量 Weight
SK30-	MLC20-85	50	20	55	85	70	132.80	1.90
	MLC20-100	50	20	55	100	70	147.80	2.10
	MLC32-135	50	32	73	135	75	203.40	3.00
SK40-	MLC20-85	63.55	20	55	85	70	153.40	2.40
	MLC20-100	63.55	20	55	100	70	168.40	2.50
	MLC20-135	63.55	20	55	135	70	203.40	2.80
	MLC32-105	63.55	32	55	105	70	173.40	2.80
	MLC32-135	63.55	32	55	135	70	203.40	3.10
SK50-	MLC20-105	97.5	20	55	105	70	206.75	4.50
	MLC20-150	97.5	20	55	150	70	251.80	4.90
	MLC32-85	97.5	32	73	85	75	186.75	4.50
	MLC32-110	97.5	32	73	110	75	211.75	5.20
	MLC32-135	97.5	32	73	135	75	236.75	5.90
	MLC42-110	97.5	42	95	110	90	211.75	6.00
	MLC42-165	97.5	42	95	165	90	266.75	7.40

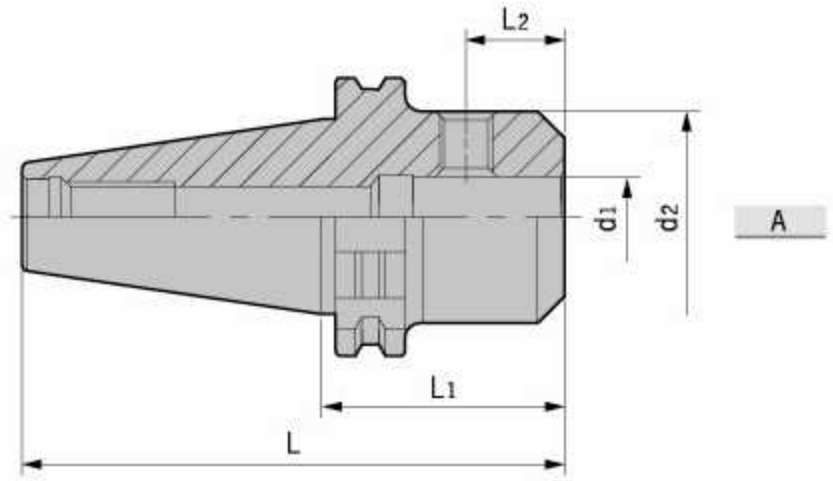
特 點 / Feature

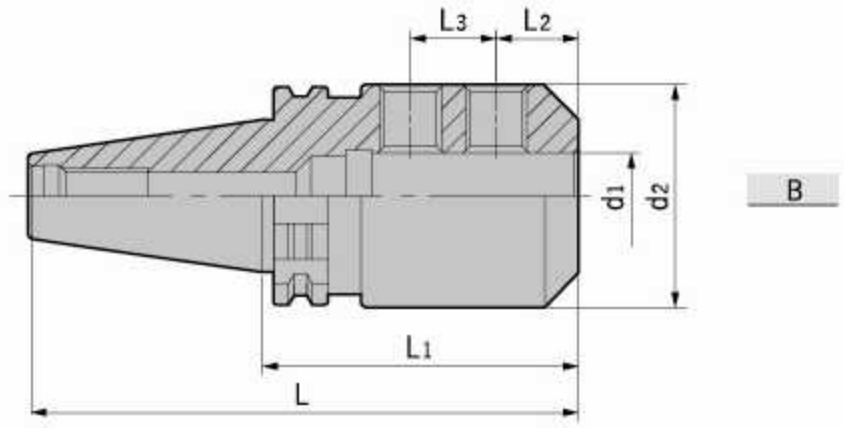
■刀柄采用四組220根針狀滾針經特殊排列而成。
■端面鎖緊增强了本體鋼性强度。
■立銑刀無振動無滑移實現了最大能力範圍的重銑削加工，跳動精度0.005mm。
■The tool holder uses four special layers with 220 pieces bearing arranged in particular.
■ It can reduce the locking resistanced and also show best performance on heavy cutting.
■The usual length of power milling chuck show that the highest runout accuracy can reach to 0.005mm.

SK-SLN Side Lock End Mill Holder

SK-SLN側固式立銑刀柄









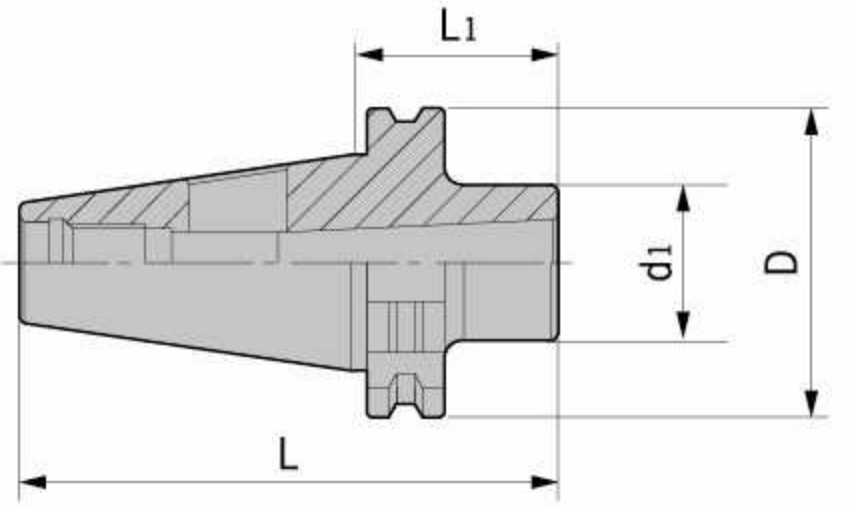
型號 Specification		圖示 Figure	d1	d2	L1	L2	L3	L	側面壓緊螺釘 Side-lock screw	重量 Weight
SK30-	SLN6-50	A	6	25	50	18	-	97.8	M060U080	0.41
	SLN8-50	A	8	28	50	18	-	97.8	M080U100	0.46
	SLN10-50	A	10	35	50	20	-	97.8	M100U120	0.54
	SLN12-50	A	12	42	50	22.5	-	97.8	M120U140	0.61
	SLN16-63	A	16	48	63	24	-	110.8	M140U160	0.85
SK40-	SLN6-50	A	6	25	50	18	-	118.4	M060U080	1.00
	SLN8-50	A	8	28	50	18	-	118.4	M080U100	1.01
	SLN10-50	A	10	35	50	20	-	118.4	M100U100	1.15
	SLN12-50	A	12	42	50	22.5	-	118.4	M120U140	1.26
	SLN16-63	A	16	48	63	24	-	131.4	M140U160	1.31
	SLN20-63	A	20	52	63	25	-	131.4	M160U160	1.33
	SLN25-100	B	25	65	100	24	25	168.4	M180Z180P	2.32
	SLN31-100	B	31	72	100	24	28	168.4	M200Z180P	2.37
	SLN32-100	B	32	72	100	24	28	168.4	M200Z180P	2.37
SK50-	SLN6-63	A	6	25	63	18	-	164.75	M060U080	3.12
	SLN8-63	A	8	28	63	18	-	164.75	M080U100	3.15
	SLN10-63	A	10	35	63	20	-	164.75	M100U100	3.63
	SLN12-63	A	12	42	63	22.5	-	164.75	M120U140	3.86
	SLN16-63	A	16	48	63	24	-	164.75	M140U160	3.90
	SLN20-63	A	20	52	63	25	-	164.75	M160U160	3.93
	SLN25-80	B	25	65	80	24	25	181.75	M180Z180P	4.62
	SLN32-100	B	32	72	100	24	25	201.75	M200Z180P	4.80
	SLN40-100	B	40	90	100	30	32	201.75	M200Z180P	5.21
	SLN42-100	B	42	90	100	30	32	201.75	M200Z180P	6.00

SK-MTA Morse Taper Holder

SK-MTA莫氏錐套刀柄（鑽頭套筒）







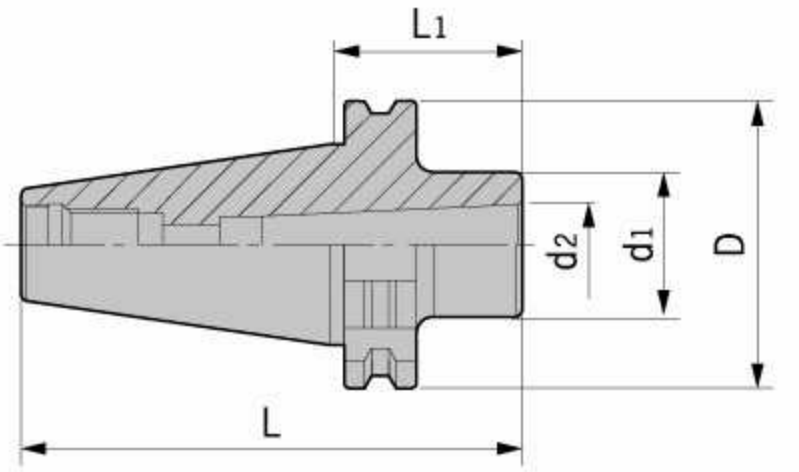
型號 Specification		莫氏錐度 MT.NO	D	d1	L1	L	重量 Weight
SK30-	MTA1-50	1	50	25	50	97.8	0.42
	MTA2-50	2	50	32	50	97.8	0.50
	MTA3-80	3	50	40	80	127.8	0.60
SK40-	MTA1-50	1	63.55	25	50	118.4	0.95
	MTA2-50	2	63.55	32	50	118.4	1.00
	MTA3-70	3	63.55	40	70	138.4	1.13
	MTA3-95	3	63.55	40	95	153.4	1.45
	MTA4-95	4	63.55	48	95	163.4	1.35
SK50-	MTA1-45	1	97.50	25	45	146.75	3.59
	MTA2-60	2	97.50	32	60	161.75	3.63
	MTA3-65	3	97.50	40	65	166.75	3.65
	MTA4-95	4	97.50	48	95	196.75	3.88
	MTA5-105	5	97.50	63	105	206.75	3.74

SK-MTB Morse Taper Holder （Screw Lock）

SK-MTB莫氏錐套刀柄（螺絲鎖緊）







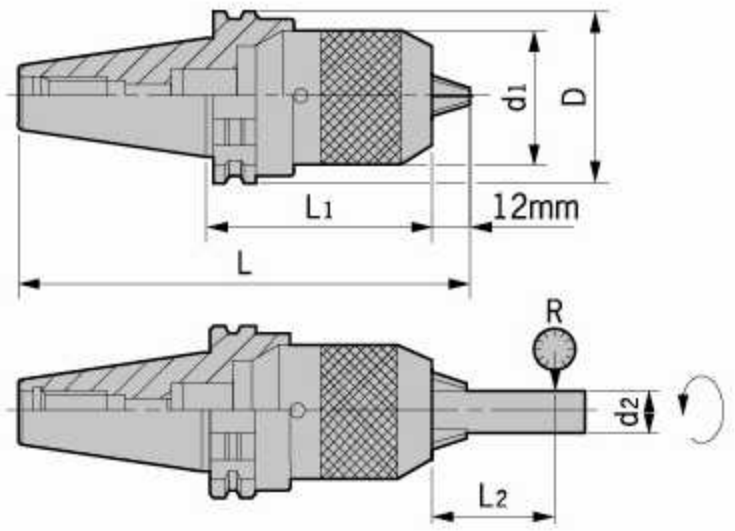
型號 Specification		莫氏錐度 MT.NO	D	d1	d2	L1	L	拉緊螺釘 Tension screw	重量 Weight
SK30-	MTB1-50	1	50	25	12.065	50	97.8	E060U160	0.50
	MTB2-60	2	50	32	17.780	60	107.8	SK30-45-MT2	0.55
	MTB3-75	3	50	40	23.825	75	122.8	SK30-45-MT3	0.65
SK40-	MTB1-50	1	63.55	25	12.065	50	118.4	E060U160	0.95
	MTB2-50	2	63.55	32	17.780	50	118.4	E100U300-MTB	1.00
	MTB3-70	3	63.55	40	23.825	70	138.4	SK40-45-MT3	1.13
	MTB4-95	4	63.55	48	31.267	95	163.4	SK40-45-MT4	1.35
SK50-	MTB1-45	1	97.50	25	12.065	45	146.75	E060U250	3.59
	MTB2-60	2	97.50	32	17.780	60	161.75	E100U350	3.64
	MTB3-65	3	97.50	40	23.825	65	166.75	E120U400	3.60
	MTB4-95	4	97.50	48	31.267	95	196.75	E160U400-MTB	3.88
	MTB5-105	5	97.50	63	44.399	105	206.75	SK50-45-MT5	3.74

SK-SPU Drill Chuck Holder

SK-SPU直結式鑽夾頭刀柄







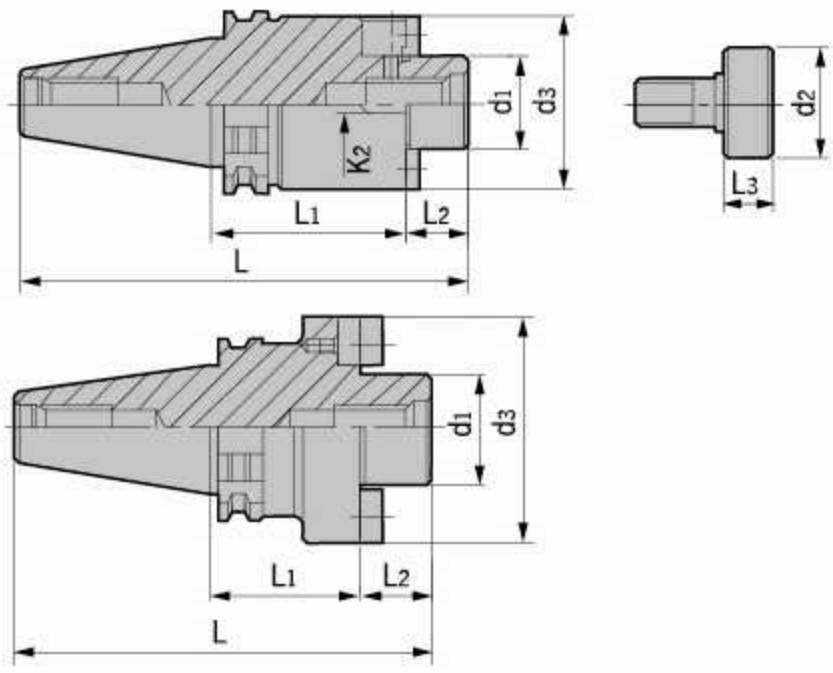
型號 Specification		D	d1	d2	L1	L2	L	偏擺精度 R	重量 Weight
SK30-	SPU8-80	50	37	8	80	55	136.8	0.04	0.72
	SPU13-120	50	50	13	120	75	179.8	0.04	1.70
SK40-	SPU8-75	63.55	37	8	75	55	152.4	0.04	1.36
	SPU13-100	63.55	50	13	100	75	180.4	0.04	1.76
	SPU16-105	63.55	57	16	105	80	190.4	0.04	2.18
SK50-	SPU8-75	97.50	37	8	75	55	185.75	0.04	4.10
	SPU13-100	97.50	50	13	100	75	213.75	0.04	4.50
	SPU16-105	97.50	57	16	105	80	218.75	0.04	4.78

SK-FMB Face Milling Holder

SK-FMB平面銑刀柄



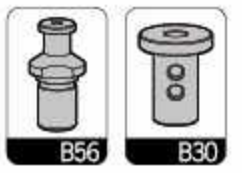


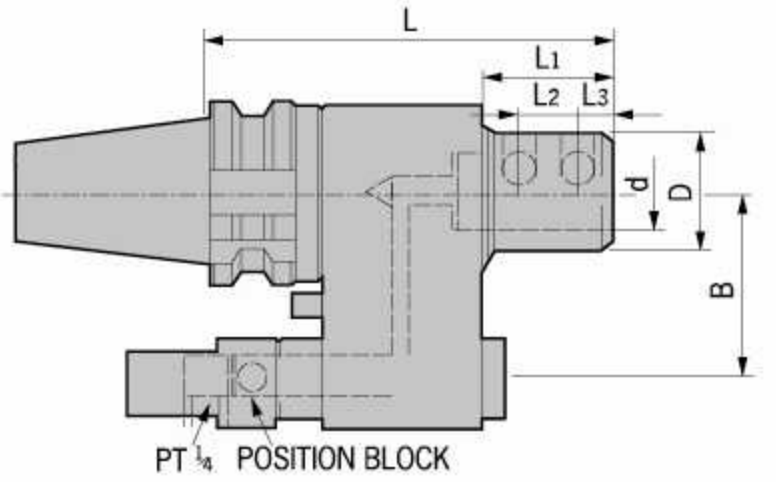


型號 Specification		d1	d2	d3	L1	L2	L3	L	刀盤鎖緊螺釘 Locking screw for cutter	墊圈 Washer	重量 Weight
SK30-	FMB22-35	22	26	47	35	18	14	100.8	E100U300	-	0.70
	FMB27-35	27	33	58	35	20	16	102.8	E120U300	FM-1	1.00
SK40-	FMB22-35	22	26	47	35	18	14	121.4	E100U300	-	1.20
	FMB27-60	27	33	58	60	20	16	148.4	E120U300	FM-1	1.86
	FMB32-60	32	40	66	60	22	16	150.4	E160U350	FM-2	2.32
	FMB40-60	40	50	82	60	25	20.5	153.4	E160U350	FM-3	2.47
SK50-	FMB22-35	22	26	47	35	18	14	154.75	E100U300	-	3.60
	FMB27-35	27	33	58	35	20	16	156.75	E120U300	FM-1	3.79
	FMB32-35	32	40	66	35	22	16	158.75	E160Z350-40	-	4.10
	FMB40-50	40	50	82	50	25	20.5	189.75	E160Z350-50	-	4.57
	FMB60F-70	60	-	129	70	40	-	211.75	E160U500	-	8.00

SK-SLO Oil-feed Holder
SK-SLO油路刀柄





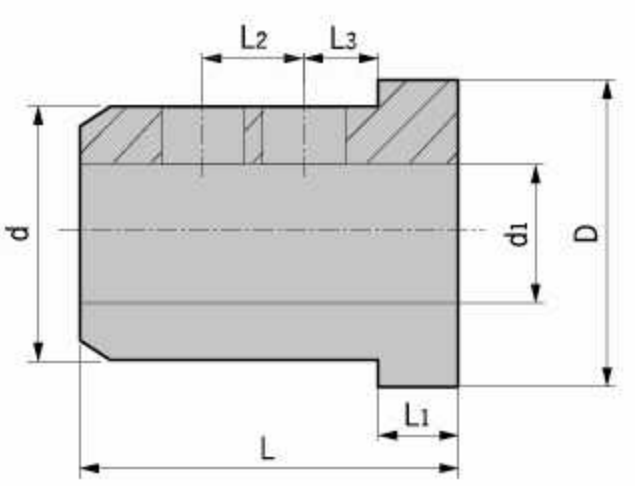


型號 Specification		D	d	L1	L2	L3	L	B	側面壓緊螺釘 Side-lock screw	重量 Weight
SK40-	SLO32-150	53	32	50	15	15	150	60/65	M120U200	5.35
	SLO40-150	70	40	50	18	19	150	60/65	M120U160	5.04
SK50-	SLO32-160	54	32	50	15	15	160	80/82	M140U200	8.64
	SLO40-160	64	40	50	18	19	160	80/82	M140U160	8.35

注意：請于訂購時，依據機臺規格確認中心距離B的尺寸。
Notice:When ordering,please specify the B part of Oil-feed Holder according to your machine.

CSO Oil-feed Holders Reducing Sleeve
CSO油路刀套



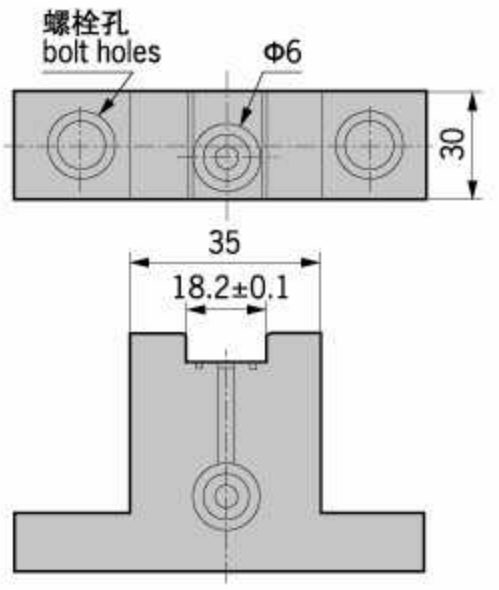


型號 Specification		D	d	d1	L1	L2	L3	L	重量 Weight
CSO	32-16	53	32	16	10	15	15	65	0.40
	32-20	53	32	20	10	15	15	65	0.35
	32-25	53	32	25	10	15	15	65	0.26
	40-16	63	40	16	10	18	19	75	0.74
	40-20	63	40	20	10	18	19	75	0.68
	40-25	63	40	25	10	18	19	75	0.59
	40-32	63	40	32	10	18	19	75	0.41

SLO Oil-feed Holders Positioning Block
SLO油路止動塊

型號 Specification	重量 Weight
BT40-PB30-35	0.53
BT50-PB30-35	0.46





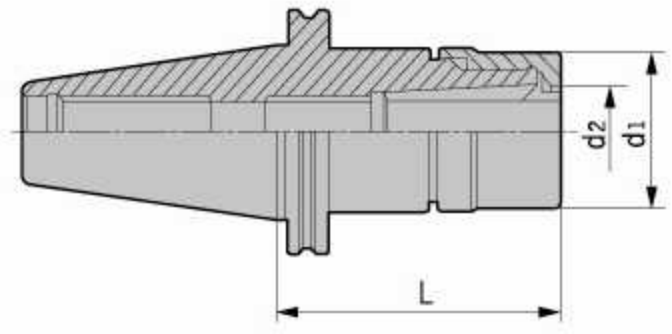
注意：在使用油路刀柄時，止動塊是必需的配套附件。
止動塊可安裝到ATC等機器上。因此，隨着越來越多的不同型號的機器，有必要與機械制造商協商正確安裝。
Notice:In using OIL-FEED holder, positioning block illustrated here is necessary. The positioning block can be mounted to the intefere with ATC arm, etc. of the machine. Therefore, as the mounting differs with different machines, it is necessary to consult the machine manufacturer about the proper mounting.

ISO-GSK High Precision Chuck

ISO-GSK高速精密筒夾本體







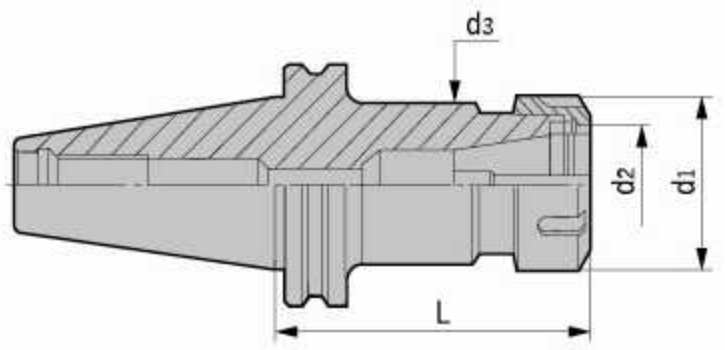
型號 Specification		夾持範圍 Range	d_1	d_2	L	重量 Weight
ISO25-	GSK10-40	2.0-10.0	27	10	40	0.30
ISO30-	GSK10-60	2.0-10.0	27	10	60	0.70
	GSK16-60	3.0-16.0	40	16	60	0.80

ISO-ER Spring Collet Chuck

ISO-ER彈性筒夾本體





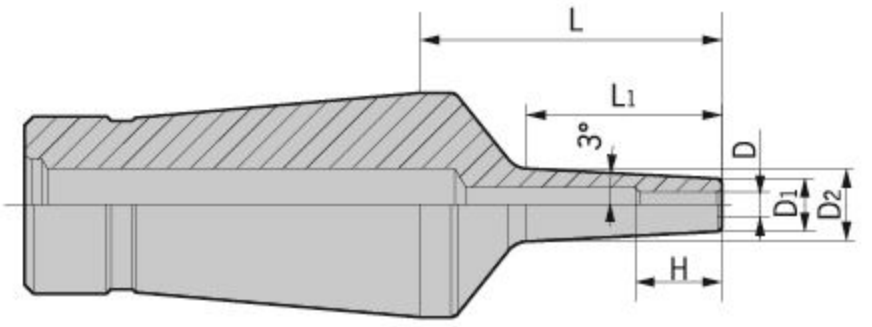


型號 Specification		夾持範圍 Range	d_1	d_2	d_3	L	重量 Weight
ISO20-	ER16-30	1.0-10.0	23	16	22	30	0.20
ISO25-	ER20-30	1.0-13.0	28	20	27	30	0.20
ISO30-	ER16-55	1.0-10.0	28	16	28	55	0.60
	ER20-60	1.0-13.0	34	20	34	60	0.60
	ER25-60	2.0-16.0	42	25	42	60	0.70
	ER32-60	2.0-20.0	50	32	50	60	0.70

DSF Shrink Fit Extender

DSF燒結式熱裝延長杆



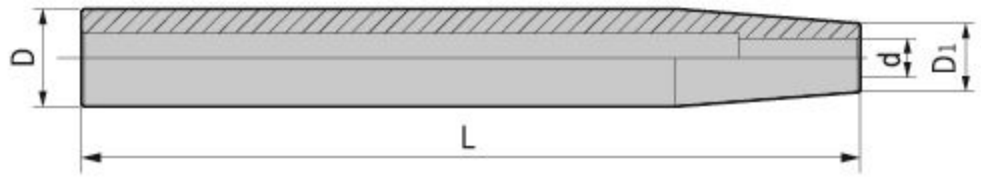


型號 Specification	D	D1	D2	L1	L	H	重量 Weight
C12-DSF3-35	3	6	8.4	22	35	10	0.20
DSF3-55	3	6	10.5	42	55	10	0.20
DSF3-85	3	6	13.1	67	85	10	0.20
DSF3-110	3	6	16.2	97	110	10	0.20
DSF4-35	4	7	9.4	22	35	12	0.20
DSF4-55	4	7	11.5	42	55	12	0.20
DSF4-85	4	7	14.1	67	85	12	0.20
DSF4-110	4	7	17.2	97	110	12	0.20
DSF5-35	5	8	10.4	22	35	15	0.20
DSF5-55	5	8	12.5	42	55	15	0.20
DSF5-85	5	8	15.1	67	85	15	0.20
DSF5-110	5	8	18.2	97	110	15	0.20
DSF6-35	6	9	11.4	22	35	18	0.20
DSF6-55	6	9	13.5	42	55	18	0.20
DSF6-85	6	9	16.1	67	85	18	0.20
DSF6-110	6	9	19.2	97	110	18	0.20
DSF7-35	7	13	15.4	22	35	20	0.30
DSF7-55	7	13	17.5	42	55	20	0.30
DSF7-85	7	13	20.1	67	85	20	0.30
DSF7-110	7	13	23.2	97	110	20	0.30
DSF8-35	8	14	16.4	22	35	25	0.30
DSF8-55	8	14	18.5	42	55	25	0.30
DSF8-85	8	14	21.1	67	85	25	0.30
DSF8-110	8	14	24.2	97	110	25	0.30
DSF9-35	9	15	17.4	22	35	30	0.30
DSF9-55	9	15	19.5	42	55	30	0.30
DSF9-85	9	15	22.1	67	85	30	0.30
DSF9-110	9	15	25.2	97	110	30	0.30
DSF10-35	10	16	18.4	22	35	30	0.30
DSF10-55	10	16	20.5	42	55	30	0.30
DSF10-85	10	16	23.1	67	85	30	0.30
DSF10-110	10	16	26.2	97	110	30	0.30
DSF11-35	11	17	19.4	22	35	30	0.30
DSF11-55	11	17	21.5	42	55	30	0.30
DSF11-85	11	17	24.1	67	85	30	0.30
DSF11-110	11	17	27.2	97	110	30	0.30
DSF12-35	12	18	20.4	22	35	30	0.30
DSF12-55	12	18	22.5	42	55	30	0.30
DSF12-85	12	18	25.1	67	85	30	0.30
DSF12-110	12	18	28.2	97	110	30	0.30

SF Shrink Fit Extender

SF燒結式熱裝延長杆



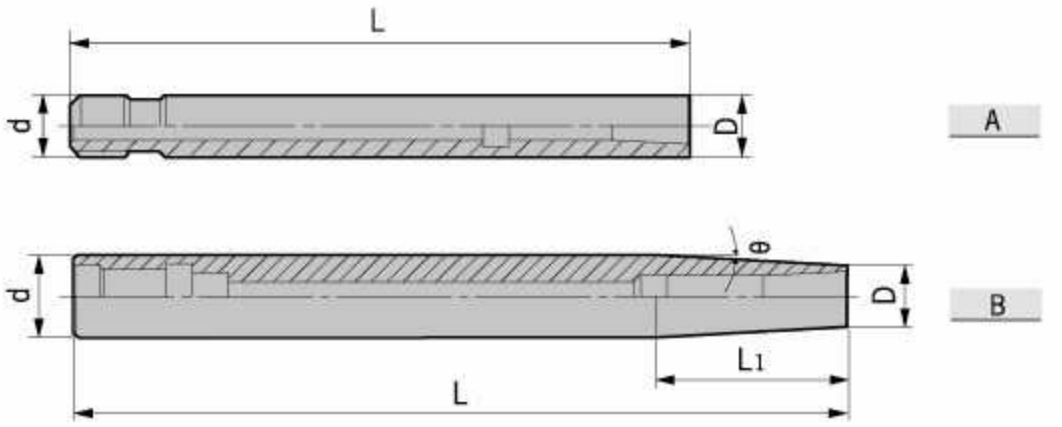


型號 Specification		D	D_1	d	L	重量 Weight
C12-	SF3-160	12	8	3	160	0.20
	SF4-160	12	8	4	160	0.21
C16-	SF3-160	16	10	3	160	0.22
	SF4-160	16	10	4	160	0.23
	SF5-160	16	10	5	160	0.24
	SF6-160	16	10	6	160	0.25
C20-	SF5-160	20	14	5	160	0.40
	SF6-160	20	14	6	160	0.42
	SF8-160	20	14	8	160	0.44
C25-	SF8-160	25	20	8	160	0.60
	SF10-160	25	20	10	160	0.62
	SF12-160	25	20	12	160	0.65
C32-	SF10-160	32	27	10	160	0.78
	SF12-160	32	27	12	160	0.81
	SF16-160	32	27	16	160	0.83
	SF20-160	32	27	20	160	0.85

DC Cylindrical Shank Of Slim Chuck

DC直柄式小徑延伸杆





型號 Specification		圖示 Figure	D	d	L1	L	θ	適用夾頭 Suit collet	夾持範圍 Clamping range	拉緊螺釘 Tension screw	止動螺母 Stop nut	重量 Weight
C10-	DC4-90	A	9	10	-	90	-	DC4	2-4	E040U070	ZD4-1	0.10
C12-	DC4-120	A	14	12	-	120	-	DC4	2-4	E040U080	ZD4-1	0.12
	DC6-120	A	14	12	-	120	-	DC6	2-6	E040U095	ZD6-3	0.13
C16-	DC6-150	B	14	16	38	150	3°	DC6	2-6	E050U100	ZD6-1	0.22
C20-	DC6-200	B	14	20	76	200	3°	DC6	2-6	E050U115	ZD6-1	0.42
C25-	DC6-250	B	14	25	124	250	3°	DC6	2-6	E050U150	ZD8-1	0.50
C20-	DC8-150	B	19	20	28	150	2°	DC8	3-8	E060U080	ZD8-1	0.40
	DC8-200	B	19	20	28	200	2°	DC8	3-8	E060U120	ZD10-1	0.65
C25-	DC10-150	B	24	25	28	150	2°	DC10	3-10	E080U080	ZD10-1	0.60
	DC10-200	B	24	25	28	200	2°	DC10	3-10	E080U120	ZD10-1	0.68
	DC10-250	B	24	25	28	250	2°	DC10	3-10	E080U140	ZD10-1	0.78
C32-	DC12-200	B	30	32	57	200	2°	DC12	3-12	E010U120	ZD12-1	0.82
	DC12-250	B	30	32	57	250	2°	DC12	3-12	E010U140	ZD12-1	0.95
	DC12-300	B	28	32	57	300	2°	DC12	3-12	E010U160	ZD12-1	1.15

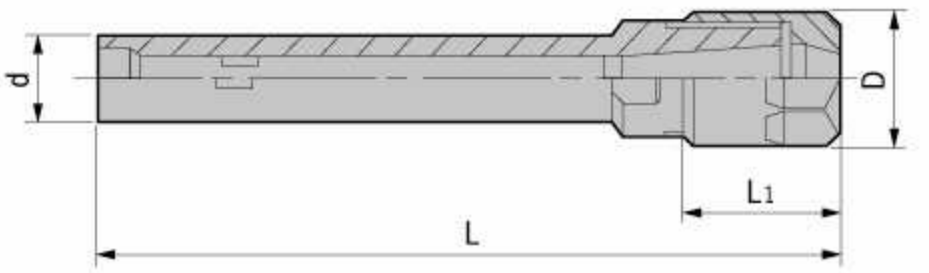
特 點 / Feature

■没有螺帽的小徑夾頭設計，能使外徑最小值達到12mm, 在深部加工時,具有延伸刀具的良好效果。
■備有不同長度的延長杆供選擇，最長可達300mm。
■跳動精度：< 0.005(4XD)。
■DC collect designed without nut, the outer diameter can reach 8.6mm.It represents good performance in deep machining.
■We offer different lengthes for option, the maximum can be 300mm.
■Runout:<0.005(4XD).

DSK Collet Chucks For DSK Collet Straight Shank

DSK直柄彈性筒夾延長杆



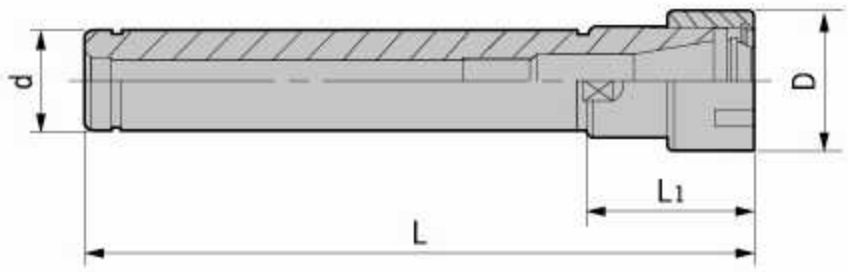


型號 Specification		D	d	L1	L	重量 Weight
C20-	DSK6-120	20	20	20	120	0.28
	DSK6-150	20	20	20	150	0.40
	DSK6-180	20	20	20	180	0.55
	DSK10-120	29	20	38	120	0.36
	DSK10-150	29	20	38	150	0.45
	DSK10-180	29	20	38	180	0.60

Straight Shank ER Collet Chuck Holder

直柄ER彈性筒夾延長杆



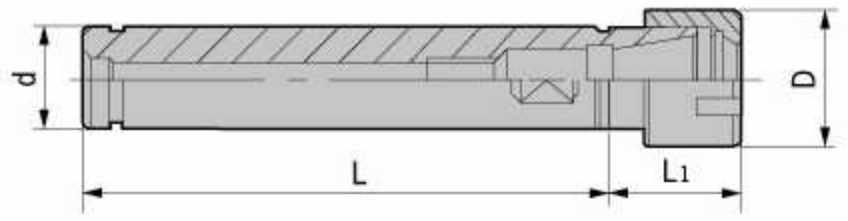


型號 Specification		D	d	L1	L	重量 Weight
C16-	ER16-100	28	16	36	136	0.16
	ER16-150	28	16	30	180	0.28
	ER20-100	34	16	36	136	0.30
C20-	ER16-50	28	20	30	80	0.19
	ER16-100	28	20	30	130	0.29
	ER16-150	28	20	30	180	0.38
	ER20-50	34	20	36	86	0.24
	ER20-100	34	20	36	136	0.38
	ER20-150	34	20	36	186	0.48
	ER25-50	42	20	46	96	0.38
	ER25-100	42	20	46	146	0.45
	ER25-150	42	20	46	196	0.62
C25-	ER16-100	28	25	30	130	0.45
	ER16-150	28	25	30	180	0.60
	ER20-100	34	25	36	136	0.48
	ER20-150	34	25	36	186	0.65
	ER25-100	42	25	46	146	0.52
	ER25-150	42	25	46	196	0.75

Straight Shank Collet Chuck M-Type

M型直柄ER彈性筒夾延長杆



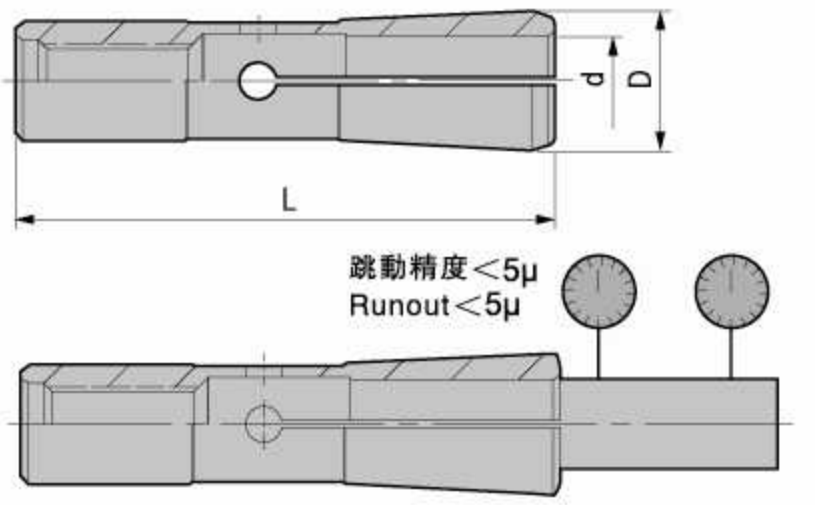


型號 Specification		D	d	L1	L	重量 Weight
C10-	ER8M-100	12	10	17	115.5	0.12
	ER8M-150	12	10	17	165.5	0.14
C12-	ER8M-150	12	12	17	167	0.16
	ER11M-100	16	12	17	130.5	0.13
	ER11M-150	16	12	17	180.5	0.18
C16-	ER11M-100	16	16	18.5	128.5	0.18
	ER11M-150	16	16	18.5	158.5	0.24
	ER16M-80	23	16	37	117	0.14
	ER16M-100	23	16	37	137	0.18
	ER16M-150	23	16	37	187	0.24
C20-	ER16M-100	23	20	25	125	0.26
	ER16M-160	23	20	25	185	0.30
	ER20M-60	28	20	40	100	0.23
	ER20M-100	28	20	40	140	0.25
	ER20M-120	28	20	40	160	0.36
	ER20M-150	28	20	40	190	0.39
	ER20M-200	28	20	40	240	0.54
	ER25M-100	35	20	40	140	0.39
C25-	ER20M-140	28	25	28	168	0.55

DC Small Collet For Slim Collet Chuck

DC小徑筒夾





型號 Specification		D	L
DC	4	7	31
	6	9.6	36
	8	14	45
	10	18	62
	12	22	60

型號 Specification		夾持範圍 Clamping range
DC4-	2E	1.75-2
	3E	2.75-3
	4E	3.75-4
	3.175E	2.925-3.175

型號 Specification		夾持範圍 Clamping range
DC6-	3E	2.75-3
	4E	3.75-4
	6E	5.75-6
	3.175E	2.925-3.175
	6.35E	6.1-6.35

型號 Specification		夾持範圍 Clamping range
DC8-	3E	2.75-3
	4E	3.75-4
	6E	5.75-6
	8E	7.75-8

型號 Specification		夾持範圍 Clamping range
DC10-	3E	2.75-3
	4E	3.75-4
	6E	5.75-6
	8E	7.75-8
	10E	9.75-10

型號 Specification		夾持範圍 Clamping range
DC12-	3E	2.75-3
	4E	3.75-4
	6E	5.75-6
	8E	7.75-8
	10E	9.75-10
	12E	11.75-12

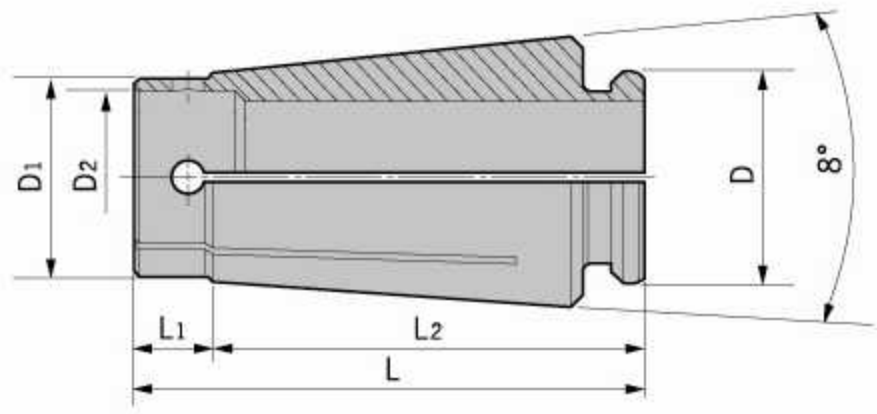
特 點 / Feature

■DC筒夾設計重點强調立銑刀的夾持力。
■每個夾頭的夾持範圍爲0.25mm。
■The design of DC collects is emphasized on increase the clamping force of end mills.
■Gripping range of each collect is 0.25mm.

DSK Precision Collet

DSK精密彈性筒夾





型號 Specification	D1	D2	L	L1	L2
DSK 6	10.5	7.5	25	4	17.4
10	15.5	12	30.5	5	21.3
16	24.6	18.8	45	8	32
25	35.6	28.9	57	8.5	43

型號 Specification	D	夾持範圍 Clamping range
DSK6- 2	10.4	1.8-2.0
2.25	10.4	2.05-2.25
2.5	10.4	2.3-2.5
2.75	10.4	2.55-2.75
3	10.4	2.8-3.0
3.5	10.4	3.0-3.5
4	10.4	3.5-4.0
4.5	10.4	4.0-4.5
5	10.4	4.5-5.0
5.5	10.4	5.0-5.5
6	10.4	5.5-6.0

型號 Specification	D	夾持範圍 Clamping range
DSK10- 2	15.6	1.75-2.0
2.25	15.6	2.0-2.25
2.75	15.6	2.5-2.75
3	15.6	2.75-3.0
3.5	15.6	3.0-3.5
4	15.6	3.5-4.0
4.5	15.6	4.0-4.5
5	15.6	4.5-5.0
5.5	15.6	5.0-5.5
6	15.6	5.5-6.0
6.5	15.6	6.0-6.5
7	15.6	6.5-7.0
7.5	15.6	7.0-7.5
8	15.6	7.5-8.0
8.5	15.6	8.0-8.5
9	15.6	8.5-9.0
9.5	15.6	9.0-9.5
10	15.6	9.5-10.0

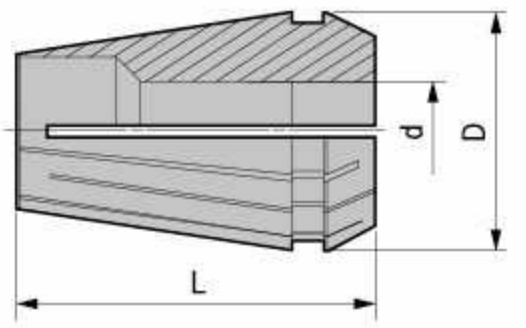
型號 Specification	D	夾持範圍 Clamping range
DSK16- 3	24.6	2.75-3.0
3.5	24.6	3.0-3.5
4	24.6	3.5-4.0
4.5	24.6	4.0-4.5
5	24.6	4.5-5.0
5.5	24.6	5.0-5.5
6	24.6	5.5-6.0
6.5	24.6	6.0-6.5
7	24.6	6.5-7.0
7.5	24.6	7.0-7.5
8	24.6	7.5-8.0
8.5	24.6	8.0-8.5
9	24.6	8.5-9.0
9.5	24.6	9.0-9.5
10	24.6	9.5-10.0
10.5	24.6	10.0-10.5
11	24.6	10.5-11.0
11.5	24.6	11.0-11.5
12	24.6	11.5-12.0
12.5	24.6	12.0-12.5
13	24.6	12.5-13.0
13.5	24.6	13.0-13.5
14	24.6	13.5-14.0
14.5	24.6	14.0-14.5
15	24.6	14.5-15.0
15.5	24.6	15.0-15.5
16	24.6	15.5-16.0

型號 Specification	D	夾持範圍 Clamping range
DSK25- 16.5	35.7	16.0-16.5
17	35.7	16.5-17.0
17.5	35.7	17.0-17.5
18	35.7	17.5-18.0
18.5	35.7	18.0-18.5
19	35.7	18.5-19.0
19.5	35.7	19.0-19.5
20	35.7	19.5-20.0
20.5	35.7	20.0-20.5
21	35.7	20.5-21.0
21.5	35.7	21.0-21.5
22	35.7	21.5-22.0
22.5	35.7	22.0-22.5
23	35.7	22.5-23.0
23.5	35.7	23.0-23.5
24	35.7	23.5-24.0
24.5	35.7	24.0-24.5
25	35.7	24.5-25.0
25.4	35.7	25.0-.25.4

ER Collet

ER彈性筒夾





ER11		ER16		ER20		ER25		ER32		ER40	
SET NO.	13PCS RANGEmm	SET NO.	10PCS RANGEmm	SET NO.	12PCS RANGEmm	SET NO.	15PCS RANGEmm	SET NO.	19PCS RANGEmm	SET NO.	24PCS RANGEmm
ER11-1	1.0-0.5	**ER**16-1	1.0-0.5	**ER** 20-2	2.0-1.0	**ER** 25-2	2.0-1.0	**ER** 32-2	2.0-1.0	**ER** 40-3	3.0-2.0
11-1.5	1.5-1.0	16-2	2.0-1.0	20-3	3.0-2.0	25-3	3.0-2.0	32-3	3.0-2.0	40-4	4.0-3.0
11-2	2.0-1.5	16-3	3.0-2.0	20-4	4.0-3.0	25-4	4.0-3.0	32-4	4.0-3.0	40-5	5.0-4.0
11-2.5	2.5-2.0	16-4	4.0-3.0	20-5	5.0-4.0	25-5	5.0-4.0	32-5	5.0-4.0	40-6	6.0-5.0
11-3	3.0-2.5	16-5	5.0-4.0	20-6	6.0-5.0	25-6	6.0-5.0	32-6	6.0-5.0	40-7	7.0-6.0
11-3.5	3.5-3.0	16-6	6.0-5.0	20-7	7.0-6.0	25-7	7.0-6.0	32-7	7.0-6.0	40-8	8.0-7.0
11-4	4.0-3.5	16-7	7.0-6.0	20-8	8.0-7.0	25-8	8.0-7.0	32-8	8.0-7.0	40-9	9.0-8.0
11-4.5	4.5-4.0	16-8	8.0-7.0	20-9	9.0-8.0	25-9	9.0-8.0	32-9	9.0-8.0	40-10	10-9.0
11-5	5.0-4.5	16-9	9.0-8.0	20-10	10-9.0	25-10	10-9.0	32-10	10-9.0	40-11	11-10
11-5.5	5.5-5.0	16-10	10-9.0	20-11	11-10	25-11	11-10	32-11	11-10	40-12	12-11
11-6	6.0-5.5			20-12	12-11	25-12	12-11	32-12	12-11	40-13	13-12
11-6.5	6.5-6.0			20-13	13-12	25-13	13-12	32-13	13-12	40-14	14-13
11-7	7.0-6.5					25-14	14-13	32-14	14-13	40-15	15-14
						25-15	15-14	32-15	15-14	40-16	16-15
						25-16	16-15	32-16	16-15	40-17	17-16
								32-17	17-16	40-18	18-17
								32-18	18-17	40-19	19-18
								32-19	19-18	40-20	20-19
								32-20	20-19	40-21	21-20
										40-22	22-21
										40-23	23-22
										40-24	24-23
										40-25	25-24
										40-26	26-25

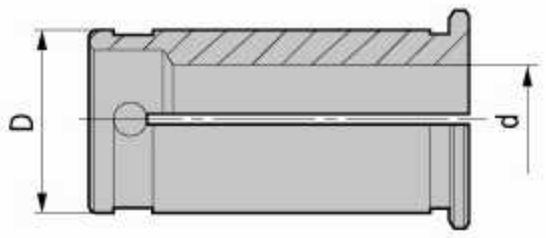
ER彈性筒夾等級說明 / ER Spring Collet Precision

普通級：小于等于0.015mm
A級：小于等于0.01mm
UP級：小于等于0.005mm
Standard: ≤0.015 mm
A: ≤0.01 mm
UP: ≤0.005 mm

MLC Straight Collet

MLC强力彈性直筒夾





型號 Specification	D	d	特殊規格(d)
SC16-3	16	3	-
SC16-4	16	4	-
SC16-5	16	5	-
SC16-6	16	6	-
SC16-7	16	7	-
SC16-8	16	8	-
SC16-9	16	9	-
SC16-10	16	10	-
SC16-11	16	11	-
SC16-12	16	12	-

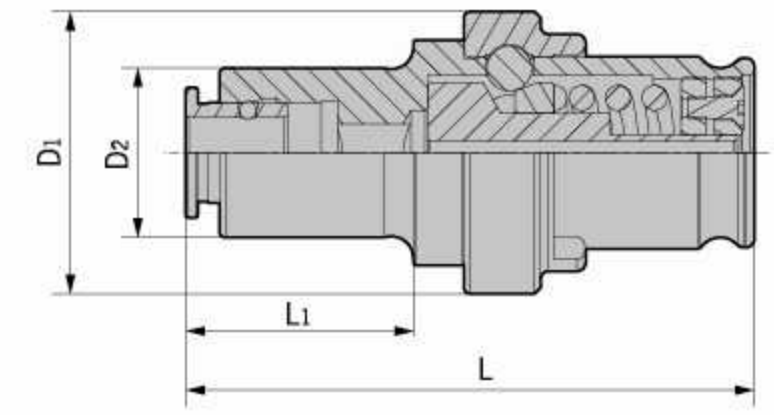
型號 Specification	D	d	特殊規格(d)
SC20-6	20	6	-
SC20-8	20	8	-
SC20-10	20	10	-
SC20-12	20	12	-
SC20-16	20	16	15
SC32-6	32	6	-
SC32-8	32	8	-
SC32-10	32	10	-
SC32-12	32	12	-
SC32-16	32	16	15
SC32-20	32	20	19
SC32-25	32	25	24

型號 Specification	D	d	特殊規格(d)
SC42-6	42	6	-
SC42-8	42	8	-
SC42-10	42	10	-
SC42-12	42	12	-
SC42-16	42	16	15
SC42-20	42	20	19
SC42-25	42	25	24
SC42-32	42	32	31

Tapping Collet For High Speed Tapping Chuck TPM

TPD扭力絲攻筒夾





型號 Specification	扭力絲攻筒夾 TAP diameter	D1	D2	L1	L	筒夾本體 Master holder type
TPD316	M3,M4,M5,M6,M8,M10,M12,M14,M16	33.5	23	24	65	TPM316
TPD316	W1/8",W3/16",W1/4,W5/16"W3/8",W7/16"	33.5	23	24	65	TPM316
TPD830	M8,M10,M12,M14,M16,M18,M20,M22,M24,M27,M30	50	33	31.5	92	TPM830
TPD830	W5/16",W3/4",W7/16",W1/2",W5/8	50	33	31.5	92	TPM830
TPD830	W5/16",W3/4",W7/16",W1/2",W5/8,W3/4",W7/8", W1"	50	33	31.5	92	TPM830
TPD830	PT1/8,PT3/8,PT1/4,PT1/2,PT5/8,PT3/4	50	33	31.5	92	TPM830

型號 Specification		孔徑 D	四方 □	備注 通用
TPD316	M3	4	3.3	W1/8
	M4	5	4.2	-
	M5	5.5	4.7	W3/16
	M6	6	4.7	W1/4
	M8	6.2	5.2	-
	M10	7	5.7	W3/8
	M12	8.5	6.7	-
	M14	10.5	8.2	-
	W5/16	6.1	5.2	-
	W7/16	8	6.2	PT1/8
	W1/2	9	7.2	-
	W5/8	12	9.2	-
	PT1/4	11	9.2	-
TPD830	M8	6.2	5.2	-
	M10	7	5.7	W3/8
	M12	8.5	6.7	-
	M14	10.5	8.2	-
	M18	14	11.2	W3/4、PT3/8
	M20	15	12.2	-
	M22	17	13.2	W7/8
	M24	19	15.2	-
	M27	20	15.2	W1、PT5/8
	M30	23	17.2	PT3/4
	W5/16	6.1	5.2	-
	W7/16	8	6.2	PT1/8
	W1/2	9	7.2	-
	W5/8	12	9.2	-
	PT1/4	11	9.2	-

備注：以上爲JIS標準
Note: JIS Standard

型號 Specification		孔徑 D	四方 □	備注 通用
TPD316	M4	3.15	2.7	-
	M5	4	3.3	-
	M6	4.5	3.7	-
	M8	6.3	5.2	-
	M10	8	6.5	-
	M12	9	7.3	-
	M14	11.2	9.2	-
	M16	12.5	10.2	JIS M16
TPD830	M8	6.3	5.2	-
	M10	8	6.5	-
	M12	9	7.3	-
	M14	11.2	9.2	-
	M16	12.5	10.2	JIS M16
	M20	14	11.4	ISO M18
	M22	16	12.7	-
	M24	18	14.2	-
	M30	20	16.2	ISO M27
	PT1/2	16	12.2	JIS PT1/2

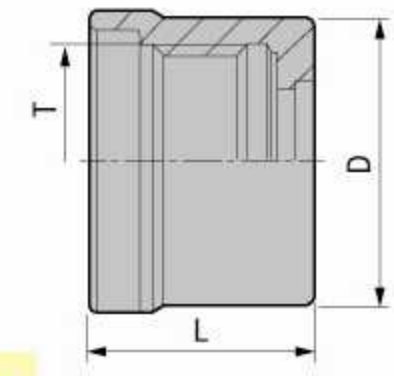
備注：以上爲ISO標準
Note: ISO Standard

ISO：國際標準；JIS：日本標準；W型是惠氏螺紋；
PT型是韓國圓錐管螺紋；M型是公制螺紋

Clamping Nuts For GSK Collet Chuck

GSK高速刀柄專用螺帽





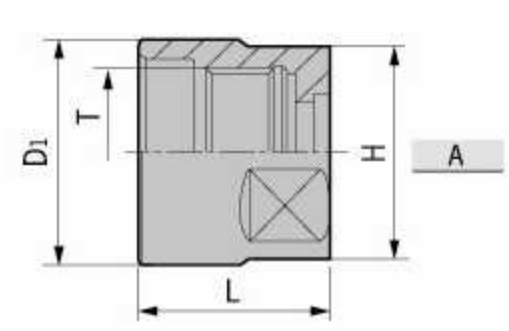
型號 Specification	D	L	T
GSK 6	19.5	21	M15.5x1.0P
10	27	24	M21.5x1.0P
16	40	31	M32x1.5P
25	54.5	37	M45x1.5P

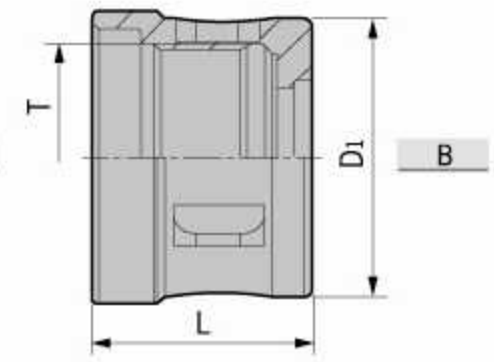
Clamping Nuts For DSK Collet Chuck

DSK高速刀柄專用螺帽







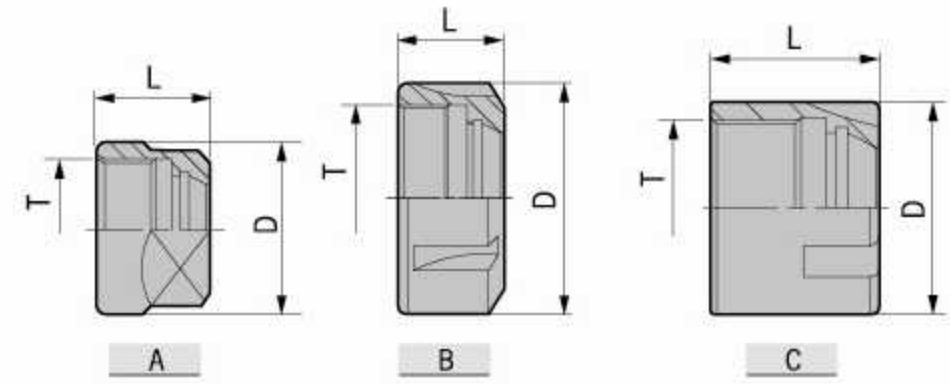


型號 Specification	圖示 Figure	D1	H	L	T
DSK 6-A	A	20	18	21	M15.5x1.0P
10-A	A	27.5	25	24	M21.5x1.0P
16-M	B	40.5	-	31	M32x1.5P
25-M	B	55	-	37	M45x1.5P

Clamping Nut For ER Collet

ER夾頭螺帽





型號 Specification	圖示 Figure	D	L	T	適用筒夾 Suit collet
CNA- ER16	A	28	17.5	M22XP1.5	ER16
ER20	A	34	19	M25XP1.5	ER20
CNU- M/RD-ER25	B	42	20	M32XP1.5	ER25
M/RD-ER32	B	50	22.5	M40XP1.5	ER32
M/RD-ER40	B	63	25.5	M50XP1.5	ER40
CNM- ER11	C	16	12	M13XP0.75	ER11
ER16	C	23	18	M19XP1.0	ER16
ER20	C	28	19	M24XP1.0	ER20
ER25	C	35	20	M30XP1.0	ER25

Wrench For Clamping Nuts GSK

GSK套筒專用扳手



型號 Specification	適用螺帽 Applicable clamping nut	重量 Weight
WGSK6	GSK6	0.30
WGSK10	GSK10	0.35
WGSK16	GSK16	0.40
WGSK25	GSK25	0.55

Wrench For Clamping Nut ER

ER專用扳手



型號 Specification	螺帽外徑 Screw cap size	L	重量 Weight
ER16-A	28	140	0.10
20-A	34	160	0.10
11-M	16	95	0.20
16-M	23	117	0.05
20-M	28	129	0.05
25-M	35	142.5	0.10
25-UM.KM/RD	42	206	0.09
32-UM.KM/RD	50	253	0.20
40-UM.KM/RD	63	289	0.30
50-UM.KM/RD	78	351	0.40

Wrench For High Precision Milling Chuck HPM

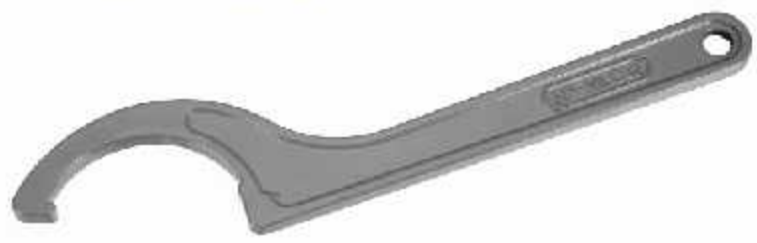
HPM强力彈性套筒專用扳手



型號 Specification	適用本體 Applicable for holder	重量 Weight
WHPM16	HPM16	0.40
WHPM20	HPM20	0.50
WHPM32	HPM32	0.60

Wrench For High Precision Milling Chuck MLC

MLC强力筒夾本體專用扳手



型號 Specification	重量 Weight
SP-MLC20	0.20
SP-MLC32	0.30
SP-MLC42	0.45

Wrench For Drill Chuck SPU

SPU鑽夾頭專用扳手

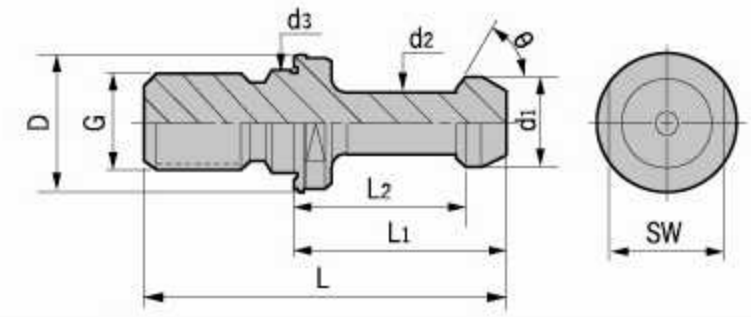


型號 Specification	重量 Weight
SP-SPU8	0.10
SP-SPU13	0.12
SP-SPU16	0.12

BT Pull Stud Without Hole

BT螺栓拉頭

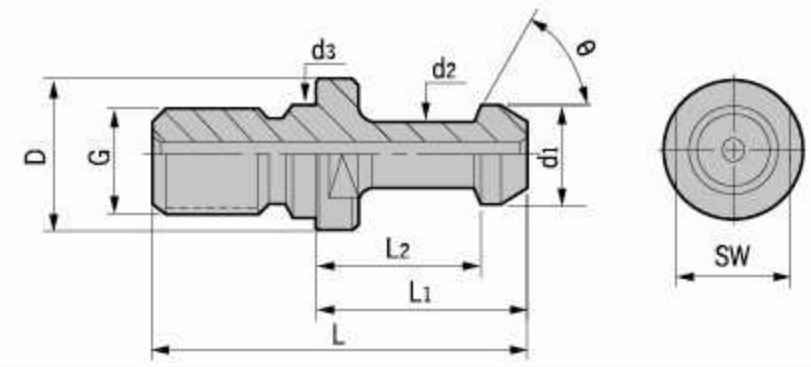




BT標準型 BT Standard With Normal Style

型號 Specification		D	d1	d2	d3	L1	L2	L	θ	G	SW	重量 Weight
BT30-	45	16.5	11	7	12.5	23	18	43	45°	M12	13	0.03
	60	16.5	11	7	12.5	23	18	43	60°	M12	13	0.03
BT40-	45	23	15	10	17	35	28	60	45°	M16	19	0.07
	60	23	15	10	17	35	28	60	60°	M16	19	0.07
	90	23	15	10	17	35	28	60	90°	M16	19	0.07
BT50-	45	38	23	17	25	45	35	85	45°	M24	30	0.25
	60	38	23	17	25	45	35	85	60°	M24	30	0.25
	90	38	23	17	25	45	35	85	90°	M24	30	0.25





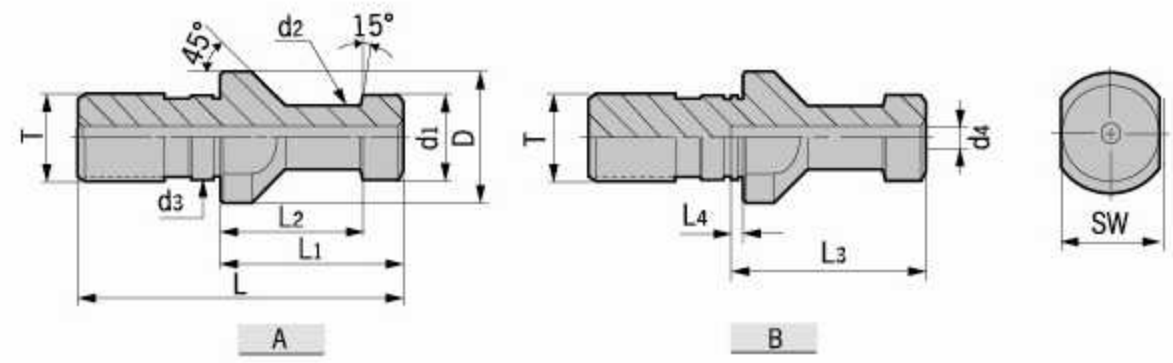
BT出水型 BT Standard With Through Hole For Internal Coolant

型號 Specification		給水孔徑 Coolant dia.	D	d1	d2	d3	L1	L2	L	θ	G	SW	重量 Weight
BT40-	45C	4	23	15	10	17	35	28	60	45°	M16	19	0.07
	60C	4	23	15	10	17	35	28	60	60°	M16	19	0.07
	90C	4	23	15	10	17	35	28	60	90°	M16	19	0.07
BT50-	45C	5	38	23	17	25	45	35	85	45°	M24	30	0.25
	60C	5	38	23	17	25	45	35	85	60°	M24	30	0.25
	90C	5	38	23	17	25	45	35	85	90°	M24	30	0.25

SK Pull Stud With Hole

SK螺栓拉頭



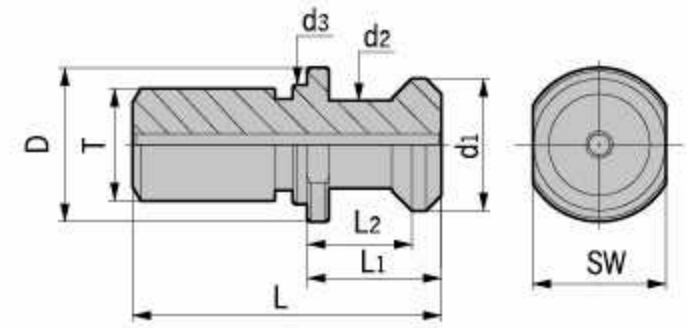


型號 Specification		圖示 Figure	D	d1	d2	d3	d4	L1	L2	L3	L4	L	SW	T	重量 Weight
SK-	30A	A	17	13	9	13	-	24	19	24	-	44	14	M12	0.03
	40A	A	23	19	14	17	7	26	20	26	3.0	54	19	M16	0.05
	50A	A	36	28	21	25	11.5	34	25	34	4.5	74	30	M24	0.30
	40B	B	23	19	14	17	7	26	20	27	3.0	54	19	M16	0.05
	50B	B	36	28	21	25	11.5	34	25	37	4.5	74	30	M24	0.30

MAZAK Pull Stud

MAZAK螺栓拉頭



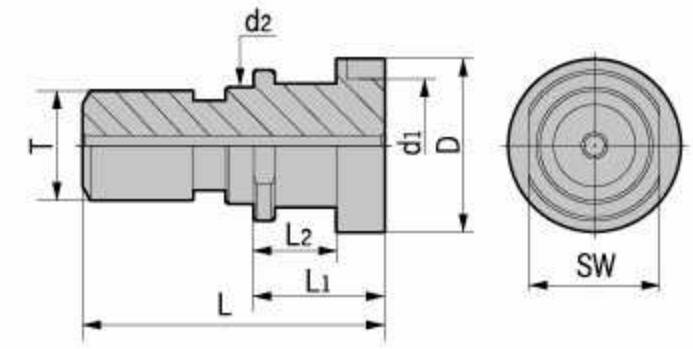


型號 Specification		D	d1	d2	d3	L	L1	L2	SW	T	重量 Weight
MAZAK	40	22	18.8	12.45	17	44.1	19.1	16.4	19	M16	0.02
	50	37	28.96	20.83	25	65.2	25.2	25.55	30	M24	0.10

DIN2080 Pull Stud

DIN2080螺栓拉頭



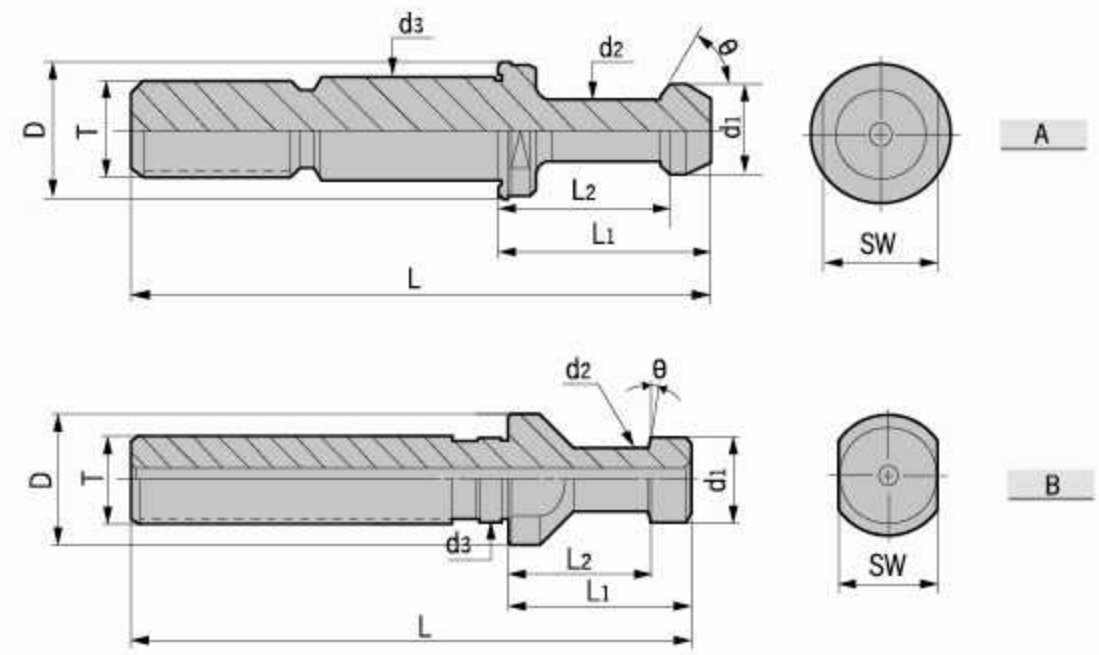


型號 Specification		D	d1	d2	L	L1	L2	SW	T	重量 Weight
DIN2080-	40	25	21.1	17	53	25	13.6	19	M16	0.06
	50	39.3	32	25	65	25	13.35	30	M24	0.30

MTB Morse Pull Stud With Hole

MTB莫氏螺栓拉頭





型號 Specification		圖示 Figure	D	d1	d2	d3	L1	L2	L	θ	G	SW	重量 Weight
BT30-	45-MT2	A	16.5	11	7	12	23	18	105	45°	M10	13	0.07
BT40-	45-MT3	A	23	15	10	17	35	28	110	45°	M12	19	0.10
	45-MT4	A	23	15	10	17	35	28	110	45°	M16	19	0.10
BT50-	45-MT5	A	38	23	17	25	45	35	165	45°	M20	30	0.65
SK30-	45-MT2	B	17	13	9	13	24	19	105	15°	M10	14	0.07
SK40-	45-MT3	B	23	19	14	17	26	20	100	15°	M12	19	0.10
	45-MT4	B	23	19	14	17	26	20	100	15°	M16	19	0.10
SK50-	45-MT5	B	36	28	21	25	34	25	145	15°	M20	30	0.65

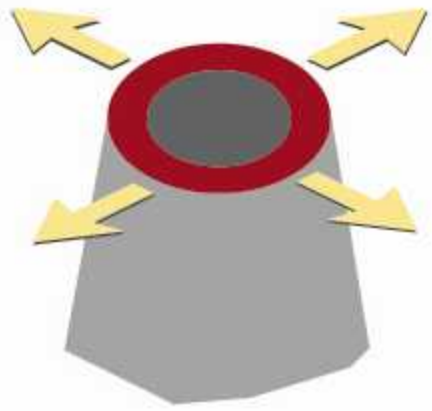
快速加熱原理 / Heating

由加熱器内之感應綫圈，産生高頻電磁波使刀杆感應電流而快速加熱，使刀柄内孔擴張，提升換刀效率。
When the induction coils works with electricity, the inside diameter of the tool holder,
which placed in the induction heating system, is heated and expands.

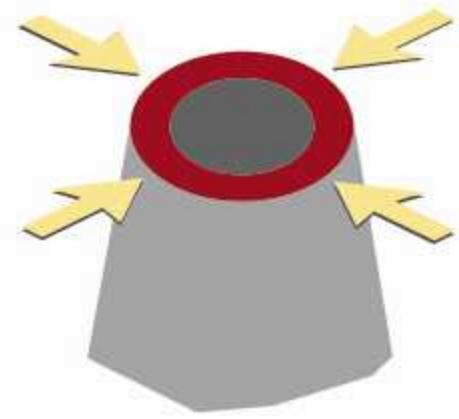
冷卻原理 / Cooling

利用空壓機之强制降温冷却，使刀杆能迅速到達常温狀態。（冷却時間與空壓機馬力大小成正比）
Cooling by compressed air to room temperature. (Cooling time is inversely proportional to the power of air compressor)

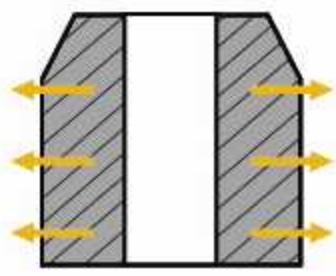
例：BT40–SF12–90



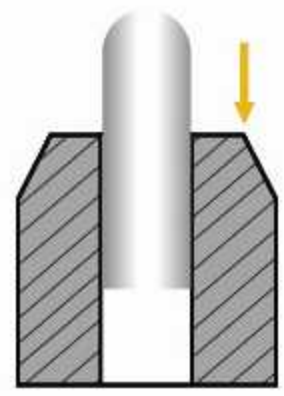
加熱20–24秒
Heating Time:20-24″



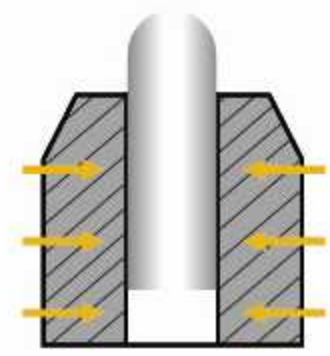
冷却180秒
Cooling Time:180″



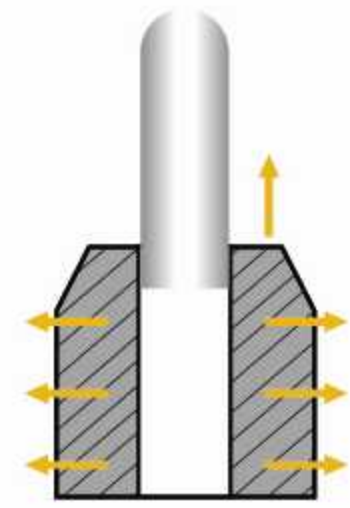
加熱
Heating
將刀具置加熱器内加熱，
時間約20–24秒
Place tool holder in shrink-fit
machine 20-24s for heating



置入刀具
Inserting
將刀具置入加熱膨
脹後的刀柄
Insert the cutter
to the expanded holder



固定夾持
Cooling
温度冷却收縮後的刀柄，
可穩固夾持刀具
Cooling the holder
and hold the cutter



取出
Removing
刀柄在加熱膨脹後，
可輕易取出刀具
Heating the holder
and removing the cutter

操作便利安全 / User–Friendly With High Security

刀杆被加熱至换刀温度後，約五秒後自動開啓送風裝置冷却刀杆，不必移動加熱器，提高操作之安全性。
When the holder is heated to the temperature to remove the cutter, the cooling system will be switched on automatically.
No bothering to remove the heater.

Shrink-Fit Machine
電磁誘導加熱器

熱縮機所需 / Machine Requirements

- 電力供應
- Electrical supply
- 空氣供應
- Air supply



型號 Specification	加熱時間 Shrinktime	冷却方式 Coolingofinductor	輸出電源 Voltage	瞬間輸出最大功率 Power	適用刀具材質 Tools	範圍 Range	LxWxH (mm)	重量 Weight
SF-300G	30"	風冷 Pressure air	110V AC60HZ or 220V AC	700W	鎢鋼 Carbide	Φ4-12mm	232x305x605	6.8KG
SF-300	20-24"	自冷 Self-cooling	SINGLE-PHASE 220V 50/60HZ 15AMP	2000~3000W	鎢鋼 Carbide	Φ6-16mm Φ18-32mm 大型加熱罩（另購） with additional adapter	300x300x685	20KG

Adapter
變徑刀柄座

型號 Specification	
HSK	40-SF
	50-SF
	63-SF
BT	30-SF
	40-SF
	50-SF



型號 Specification
AD-DSF



用途：用于固定不同規格刀杆尺寸上
For different sizes of holders

Induction Head
加熱頭

型號 Specification
SF-HC



用途：用于加熱不同規格尺寸
Induction for different sizes of holders

Induction Ring
導熱環

型號 Specification
SFIR3-5
SFIR6-12
SFIR14-20
SFIR25-32



用途：有效隔絶熱源、冷空氣與外界接觸
To prevent the heating and cooling part from outside environment

Clamp For Cutting Tools
刀具夾持器

型號 Specification
CFCT-3
CFCT-4
CFCT-6
CFCT-8
CFCT-10
CFCT-12

用途：用于置入、取出刀具用，
并可設定刀具長度
For inserting and removing the cutting tools from tool holder;
Setting either the overhang length or insertion length of the cutting tool.

HSK Tool Holder Sleeve
HSK套筒

型號 Specification
SFTHS84*101

用途：用于固定不同規格刀杆尺寸上
Supporting holder during tool changes

Operating Instructions

注意事項

使用工具
Tools That Can Be Used

- 請使用超硬刀具。高速鋼刀具不能熱卸。
- 使用公差範圍外的刀具是刀柄破損和發生滑落事故的原因。
- 另外，刀具柄部的細小鐵屑等附着物會和阻礙夾持孔正常裝夾，造成刀具無法拔出。
- Please use the carbide cutter.
- No shrink release is possible for any tool for high speed steel.
- A tools exceeding its tolerance can cause breakage or slippage.

佩戴耐熱手套
Take Care To Avoid Burns

- 熱裝作業時，會產生高温，非常危險，請務必佩戴耐熱手套。
- Take care to avoid burns:Because the metal becomes quite hot during heating operation, be sure to wear gloves.

拉釘（BT）
Retention Knob(BT)

- 請利用出水拉釘，否則請將拉釘取下後再進行加熱。
- 通常拉釘不排出空氣就不能放入刀具。
- Use a retention knob that has perforations, or remove the retention knob and heat it.
- The typical retention knob has no vent to release air, preventing tools from being inserted.

冷卻液導管(HSK)
Coolant Duct(HSK)

- 帶着冷却液導管加熱時，會破壞導管的O型環。
- 加熱時，請卸下冷却液導管。
- 不利用冷却液貫穿時，請準備可以安裝着進行熱裝卸的仿真導管。
- Remove the coolant duct before heating the holder, heating the holder with coolant duct attached,
- the o-ring will be damaged.
- A dummy duct is available for coolant shrinking and removing in place.

用外部空氣冷卻
Cooling By Air From Outside

- 在HRB-03S、HRB-02S、HRB-01中、用外部空氣冷却時，不要將空氣直接加到熱裝裝置上。
- 電熱器内的風扇熔化，出現故障。
- Do not directly apply air to the shrink-fitting heater when cooling the HRB-03S, HRB-02S or HRB-01 using air from the outside.
- The fan in the heater will melt resulting in a breakdown.

水冷時的注意
Precautions For Water-Cooling

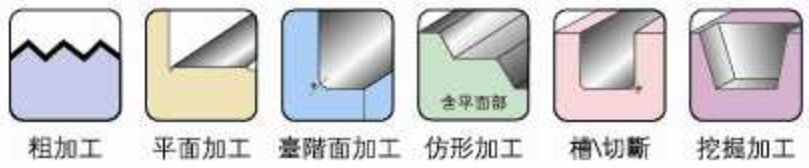
- 熱裝之後水冷，産生大量水蒸氣，有燙傷的危險性。
- 請在熱裝裝置冷却1分鐘以上（COOL狀態）之後進行水冷。
- 請完全除去水分。殘留水分後，生銹會引起刀柄破損。
- Water-cooling immediately after shrink fitting may result in burns due to the large quantity of steam generated.
- Be sure to set the shrink-fitting heater setting to cool and cool the holder for at least one minute before water-cooling it.
- Moisture left on the holder may lead to rust formation and damage to the holder. so be sure to completely remove all moisture.



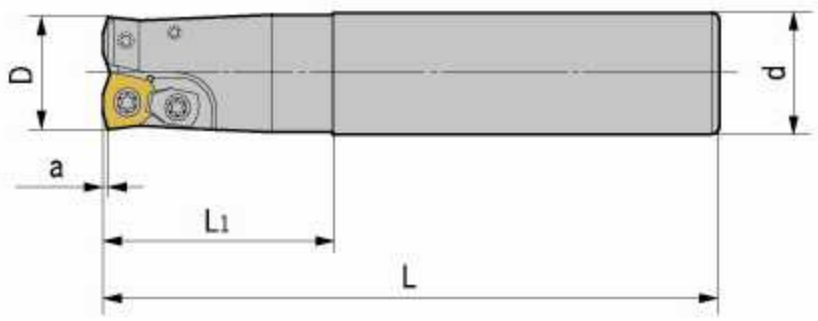
AJX High Feed End Mill

AJX大進給立銑刀









型號 Specification		刃數 Teeth	D	d	a	L_1	L	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
AJX-	C20-20-130-2T	2	20	20	1.5	50	130	JOMT080320	M030Y070-2	-	-	Q10R	0.29
	C20-20-180-2T	2	20	20	1.5	100	180	JOMT080320	M030Y070-2	-	-	Q10R	0.40
	C20-20-250-2T	2	20	20	1.5	130	250	JOMT080320	M030Y070-2	-	-	Q10R	0.60
	C20-22-130-2T	2	22	20	1.5	30	130	JOMT080320	M030Y070-2	-	-	Q10R	0.30
	C20-22-180-2T	2	22	20	1.5	30	180	JOMT080320	M030Y070-2	-	-	Q10R	0.40
	C20-22-250-2T	2	22	20	1.5	30	250	JOMT080320	M030Y070-2	-	-	Q10R	0.60
	C25-25-140-2T	2	25	25	2	60	140	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.47
	C25-25-200-2T	2	25	25	2	120	200	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.69
	C25-25-250-2T	2	25	25	2	130	250	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.91
	C25-28-140-2T	2	28	25	2	40	140	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.49
	C25-28-200-2T	2	28	25	2	40	200	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.72
	C25-28-250-2T	2	28	25	2	40	250	JDMW09T320	M035T085	YD-13	M040S100-1	Q15B	0.95
	C32-30-160-2T	2	30	32	2	70	160	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	0.90
	C32-30-200-2T	2	30	32	2	120	200	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.13
	C32-30-250-2T	2	30	32	2	130	300	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.45
	C32-32-160-2T	2	32	32	2	70	160	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	0.90
	C32-32-200-2T	2	32	32	2	120	200	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.13
	C32-32-250-2T	2	32	32	2	130	250	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.45
	C32-35-160-2T	2	35	32	2	70	160	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	0.92
	C32-35-200-2T	2	35	32	2	70	200	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.17
	C32-35-250-2T	2	35	32	2	70	250	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.48
	C32-40-200-3T	3	40	32	2	70	200	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.20
	C32-40-250-3T	3	40	32	2	70	250	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.50
	C32-40-300-3T	3	40	32	2	70	300	JDMW120420	M040R100-2	YD-13	M040S120	Q15B	1.80

適用 Suitable:三菱刀片 MITSUBISHI Insert

特 點 / Feature

■最適合大進給切削。
■采用錐型設計，抗彎鋼性極高。

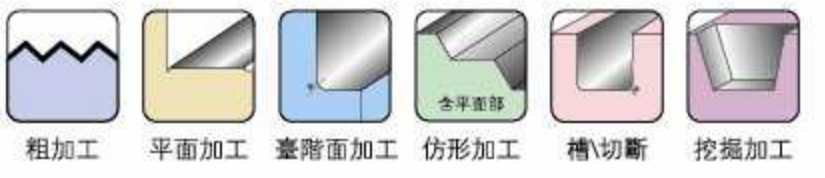
■Excellent for high-feed cutting;
■Taper-off design minimizes interference and maximizes rigidity.

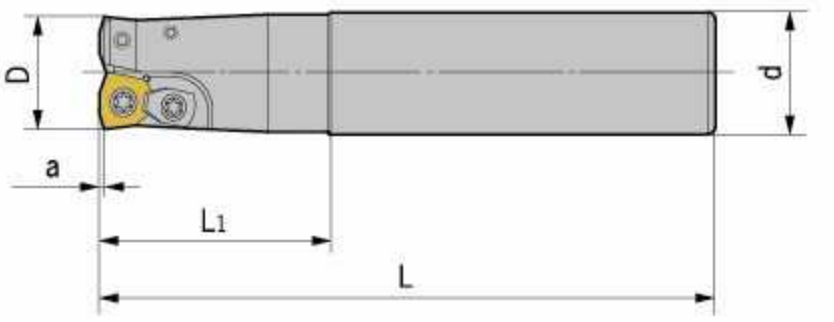
EXP High Feed End Mill

EXP大進給立銑刀









型號 Specification		刃數 Teeth	D	d	a	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
EXP-	C20-20-130-2T	2	20	20	1.5	50	130	WPMW05H315	M035R080-1	-	-	Q15B	0.29
	C20-20-180-2T	2	20	20	1.5	100	180	WPMW05H315	M035R080-1	-	-	Q15B	0.40
	C25-25-140-2T	2	25	25	1.5	60	140	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.48
	C25-25-200-2T	2	25	25	1.5	120	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.70
	C25-25-250-2T	2	25	25	1.5	130	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.82
	C25-26-140-2T	2	26	25	1.5	60	140	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.48
	C25-26-200-2T	2	26	25	1.5	60	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.70
	C25-26-250-2T	2	26	25	1.5	60	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.82
	C32-32-160-2T	2	32	32	1.5	70	160	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.87
	C32-32-160-3T	3	32	32	1.5	70	160	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.87
	C32-32-200-2T	2	32	32	1.5	120	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.17
	C32-32-200-3T	3	32	32	1.5	120	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.17
	C32-32-250-2T	2	32	32	1.5	130	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.47
	C32-32-250-3T	3	32	32	1.5	130	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.47
	C32-33-160-2T	2	33	32	1.5	70	160	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.94
	C32-33-160-3T	3	33	32	1.5	70	160	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	0.94
	C32-33-200-2T	2	33	32	1.5	70	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.19
	C32-33-200-3T	3	33	32	1.5	70	200	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.19
	C32-33-250-2T	2	33	32	1.5	70	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.49
	C32-33-250-3T	3	33	32	1.5	70	250	WPMW06X415	M040S100-1	YD-13	M040S120	Q15B	1.49
	C32-40-200-3T	3	40	32	1.5	50	200	WPMW06X415	M040S100-1	YD-13	M040S100-1	Q15B	1.24
	C32-40-250-3T	3	40	32	1.5	50	250	WPMW06X415	M040S100-1	YD-13	M040S100-1	Q15B	1.55
	C32-40-300-3T	3	40	32	1.5	50	300	WPMW06X415	M040S100-1	YD-13	M040S100-1	Q15B	1.86
	C32-40-200-2T	2	40	32	1.5	50	200	WPMW080615	M050Y120-1	YD-16	M050Y110-2	Q20B	1.23
	C32-40-250-2T	2	40	32	1.5	50	250	WPMW080615	M050Y120-1	YD-16	M050Y110-2	Q20B	1.56
	C32-40-300-2T	2	40	32	1.5	50	300	WPMW080615	M050Y120-1	YD-16	M050Y110-2	Q20B	1.86

適用 Suitable:德克、東芝刀片 DEREK Or TUNGALOY Insert

特 點 / Feature

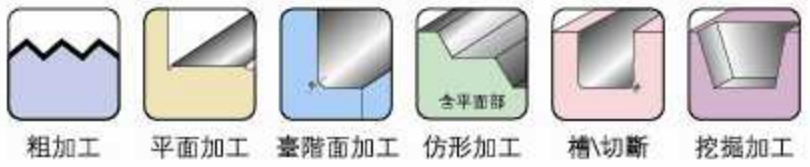
■最適合大進給切削。
■采用錐型設計，抗彎鋼性極高。

■Excellent for high-feed cutting;
■Taper-off design minimizes interference and maximizes rigidity.

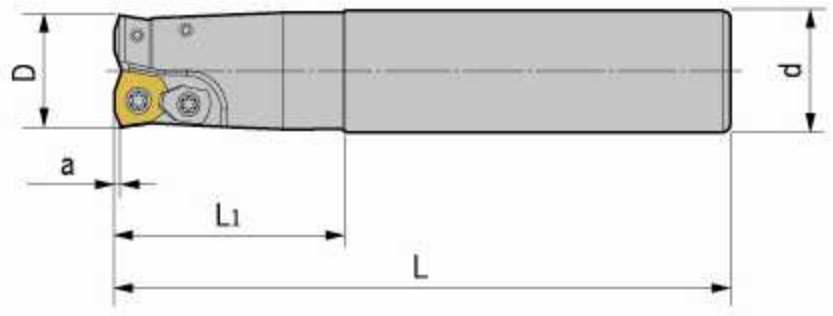
SKS High Feed End Mill

SKS大進給立銑刀









型號 Specification		刃數 Teeth	D	d	a	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
SKS-	C20-20-130-2T	2	20	20	1.25	50	130	WDMW050316	M030Y070-2	-	-	Q10R	0.28
	C20-20-180-2T	2	20	20	1.25	100	180	WDMW050316	M030Y070-2	-	-	Q10R	0.39
	C20-21-130-2T	2	21	20	1.25	50	130	WDMW050316	M030Y070-2	-	-	Q10R	0.29
	C20-21-180-2T	2	21	20	1.25	50	180	WDMW050316	M030Y070-2	-	-	Q10R	0.41
	C25-25-140-2T	2	25	25	1.5	60	140	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.46
	C25-25-200-2T	2	25	25	1.5	70	200	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.69
	C25-26-140-2T	2	26	25	1.5	60	140	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.47
	C25-26-200-2T	2	26	25	1.5	60	200	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.71
	C32-30-160-2T	2	30	32	1.5	70	160	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.80
	C32-30-200-2T	2	30	32	1.5	70	200	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	1.05
	C32-32-160-3T	3	32	32	1.5	70	160	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.89
	C32-32-200-3T	3	32	32	1.5	70	200	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	1.16
	C32-33-160-3T	3	33	32	1.5	70	160	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	0.89
	C32-33-200-3T	3	33	32	1.5	70	200	WDMW06T320	M040R080-2	YD-13	M040S100-1	Q15B	1.16
	C32-32-160-2T	2	32	32	2	70	160	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	0.89
	C32-32-200-2T	2	32	32	2	120	200	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	1.15
	C32-33-160-2T	2	33	32	2	50	160	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	0.84
	C32-33-200-2T	2	33	32	2	50	200	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	1.15
	C32-40-200-3T	3	40	32	2	50	200	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	1.24
	C32-40-250-3T	3	40	32	2	50	250	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	1.55
	C42-40-200-3T	3	40	42	2	120	200	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	1.80
	C42-40-250-3T	3	40	42	2	130	250	WDMW080520	M045Y110	YD-16	M045Y110	Q20B	2.25

適用 Suitable:黛杰刀片 DIJET Insert

特點 / Feature

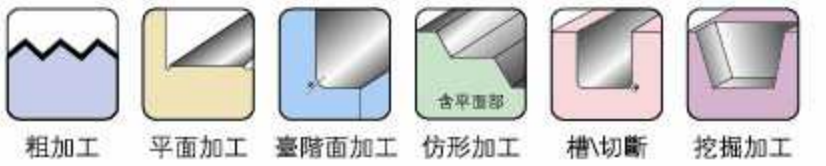
■最適合大進給切削。
■采用錐型設計，抗彎鋼性極高。

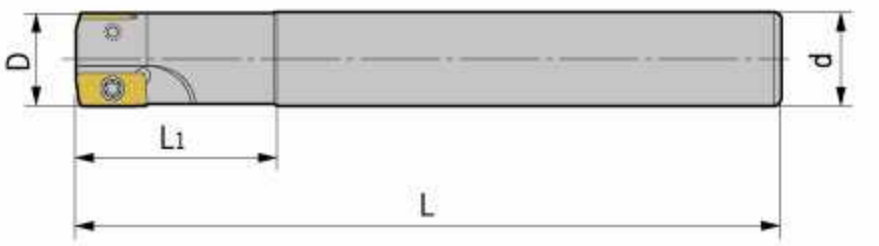
■Excellent for high-feed cutting;
■Taper-off design minimizes interference and maximizes rigidity.

ASR High-feed Milling Cutter

ASR大進給立銑刀







型號 Specification		刃數 Teeth	D	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
ASR-	C16-16-120-2T	2	16	16	40	120	EPNW0603TN-8	M025W060	Q08B	0.17
	C16-16-160-2T	2	16	16	50	160	EPNW0603TN-8	M025W060	Q08B	0.23
	C16-17-120-2T	2	17	16	27	120	EPNW0603TN-8	M025W060	Q08B	0.17
	C16-17-160-2T	2	17	16	27	160	EPNW0603TN-8	M025W060	Q08B	0.23
	C20-20-120-2T	2	20	20	50	120	EPNW0603TN-8	M025W060	Q08B	0.27
	C20-20-160-2T	2	20	20	50	160	EPNW0603TN-8	M025W060	Q08B	0.36
	C20-21-160-2T	2	21	20	27	160	EPNW0603TN-8	M025W060	Q08B	0.37
	C25-25-160-3T	3	25	25	60	160	EPNW0603TN-8	M025W060	Q08B	0.59
	C25-25-200-3T	3	25	25	70	200	EPNW0603TN-8	M025W060	Q08B	0.72
	C25-26-200-3T	3	26	25	50	200	EPNW0603TN-8	M025W060	Q08B	0.73
	C32-32-160-4T	4	32	32	70	160	EPNW0603TN-8	M025W060	Q08B	0.88
	C32-32-200-4T	4	32	32	115	200	EPNW0603TN-8	M025W060	Q08B	1.17
	C32-33-160-4T	4	33	32	60	160	EPNW0603TN-8	M025W060	Q08B	0.94
	C32-33-200-4T	4	33	32	70	200	EPNW0603TN-8	M025W060	Q08B	1.19
	C32-35-200-4T	4	35	32	50	200	EPNW0603TN-8	M025W060	Q08B	1.21
	C32-40-160-4T	4	40	32	50	160	EPNW0603TN-8	M025W060	Q08B	0.93
	C32-40-200-4T	4	40	32	50	200	EPNW0603TN-8	M025W060	Q08B	1.25

適用 Suitable: 日立刀片 HITACHI Insert

特 點 / Feature

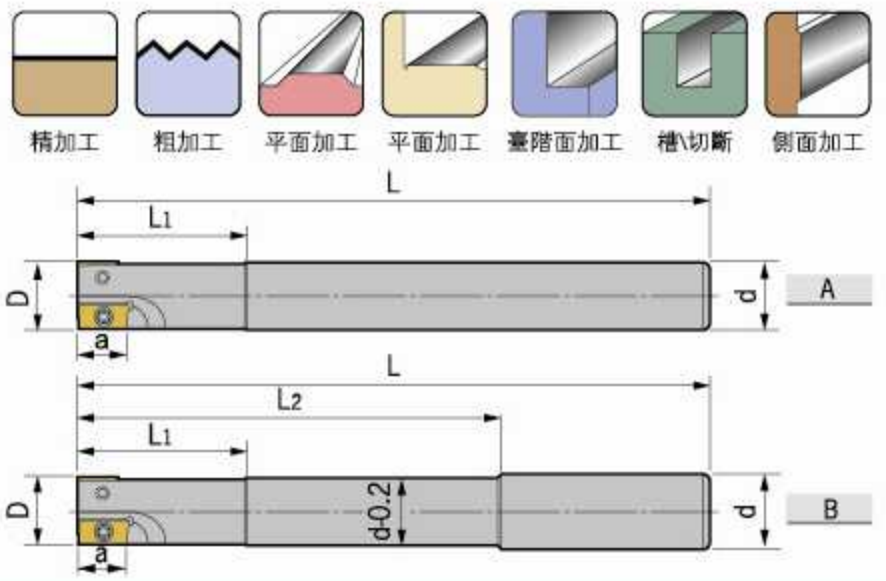
■高進給圓弧銑刀。
■不考慮缺損對刀片壽命的影響，則每刃進給量FZ設定的較大時壽命也較大，斷削、排削性能好。
■High speedrate rounding mill.
■To increase per teeth feedrate will improve the using life of insert without regard to the defect influence of its using life, Good dsign for chip breaking and removing

AHU Right Angle Shoulder Milling Cutter

AHU直角臺肩銑刀







型號 Specification		刃數 Teeth	圖示 Figure	D	d	L1	L2	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
AHU-	C10-10-100-1T	1	A	10	10	25	-	100	JDMT100308	M025W050	Q08B	0.10
	C12-12-130-1T	1	A	12	12	25	-	130	JDMT100308	M025W050	Q08B	0.11
	C12-13-130-1T	1	A	13	12	25	-	130	JDMT100308	M025W050	Q08B	0.11
	C16-16-120-2T	2	B	16	16	40	100	120	JDMT100308	M025W050	Q08B	0.17
	C16-16-160-2T	2	B	16	16	50	115	160	JDMT100308	M025W050	Q08B	0.21
	C16-16-180-2T	2	B	16	16	60	90	180	JDMT100308	M025W050	Q08B	0.26
	C16-16-200-2T	2	B	16	16	60	100	200	JDMT100308	M025W050	Q08B	0.29
	C20-20-120-2T	2	A	20	20	50	-	120	JDMT100308	M025W060	Q08B	0.26
	C20-20-160-2T	2	A	20	20	60	-	160	JDMT100308	M025W060	Q08B	0.36
	C20-20-200-2T	2	B	20	20	70	100	200	JDMT100308	M025W060	Q08B	0.46
	C25-25-160-2T	2	A	25	25	70	-	160	JDMT150508	M040S080-1	Q15B	0.54
	C25-25-200-2T	2	B	25	25	70	100	200	JDMT150508	M040S080-1	Q15B	0.68
	C25-25-250-2T	2	B	25	25	80	115	250	JDMT150508	M040S080-1	Q15B	0.88
	C25-25-300-2T	2	B	25	25	80	165	300	JDMT150508	M040S080-1	Q15B	1.02
	C32-32-160-2T	2	A	32	32	48	-	160	JDMT150508	M040S080-1	Q15B	0.96
	C32-32-200-2T	2	B	32	32	48	100	200	JDMT150508	M040S080-1	Q15B	1.17
	C32-32-250-2T	2	B	32	32	48	115	250	JDMT150508	M040S080-1	Q15B	1.48
	C32-32-250-3T	3	B	32	32	48	115	250	JDMT150508	M040S080-1	Q15B	1.48
	C32-35-160-2T	2	A	35	32	60	-	160	JDMT150508	M040S080-1	Q15B	0.82
	C32-35-200-2T	2	A	35	32	60	-	200	JDMT150508	M040S080-1	Q15B	1.18
	C32-35-250-2T	2	A	35	32	60	-	250	JDMT150508	M040S080-1	Q15B	1.48
	C32-35-300-2T	2	A	35	32	60	-	300	JDMT150508	M040S080-1	Q15B	1.78
	C32-35-350-2T	2	A	35	32	60	-	350	JDMT150508	M040S080-1	Q15B	2.08
	C32-35-400-2T	2	A	35	32	60	-	400	JDMT150508	M040S080-1	Q15B	2.38
	C32-35-450-2T	2	A	35	32	60	-	450	JDMT150508	M040S080-1	Q15B	2.68
	C32-35-500-2T	2	A	35	32	60	-	500	JDMT150508	M040S080-1	Q15B	2.98
	C32-35-160-3T	3	A	35	32	60	-	160	JDMT150508	M040S080-1	Q15B	0.93
	C32-35-200-3T	3	A	35	32	60	-	200	JDMT150508	M040S080-1	Q15B	1.18
	C32-35-250-3T	3	A	35	32	60	-	250	JDMT150508	M040S080-1	Q15B	1.50
	C32-35-300-3T	3	A	35	32	60	-	300	JDMT150508	M040S080-1	Q15B	1.81
	C32-35-350-3T	3	A	35	32	60	-	350	JDMT150508	M040S080-1	Q15B	2.11
	C32-35-400-3T	3	A	35	32	60	-	400	JDMT150508	M040S080-1	Q15B	2.43

適用 Suitable:日立刀片 HITACHI Insert

轉下頁
See next page

AHU Right Angle Shoulder Milling Cutter

AHU直角臺肩銑刀

特殊型號 Special size

型號 Specification		刃數 Teeth	圖示 Figure	D	d	a	L_1	L_2	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
AHU-	C15-16-120-2T	2	A	16	15	9	40	-	120	JDMT100308	M025W050	Q08B	0.15
	C15-16-160-2T	2	A	16	15	9	40	-	160	JDMT100308	M025W050	Q08B	0.20
	C15-16-180-2T	2	A	16	15	9	40	-	180	JDMT100308	M025W050	Q08B	0.23
	C15-16-200-2T	2	A	16	15	9	40	-	200	JDMT100308	M025W050	Q08B	0.26
	C16-17-120-2T	2	A	17	16	9	50	-	120	JDMT100308	M025W050	Q08B	0.17
	C16-17-160-2T	2	A	17	16	9	50	-	160	JDMT100308	M025W050	Q08B	0.23
	C16-17-180-2T	2	A	17	16	9	50	-	180	JDMT100308	M025W050	Q08B	0.27
	C16-17-200-2T	2	A	17	16	9	50	-	200	JDMT100308	M025W050	Q08B	0.30
	C19-20-160-2T	2	A	20	19	9	50	-	160	JDMT100308	M025W060	Q08B	0.31
	C19-20-200-2T	2	A	20	19	9	50	-	200	JDMT100308	M025W060	Q08B	0.42
	C20-21-160-2T	2	A	21	20	9	50	-	160	JDMT100308	M025W060	Q08B	0.37
	C20-21-200-2T	2	A	21	20	9	50	-	200	JDMT100308	M025W060	Q08B	0.47
	C24-25-160-2T	2	A	25	24	14	50	-	160	JDMT150508	M040S080-1	Q15B	0.48
	C24-25-200-2T	2	A	25	24	14	50	-	200	JDMT150508	M040S080-1	Q15B	0.66
	C24-25-250-2T	2	A	25	24	14	50	-	250	JDMT150508	M040S080-1	Q15B	0.88
	C25-26-160-2T	2	A	26	25	14	50	-	160	JDMT150508	M040S080-1	Q15B	0.56
	C25-26-200-2T	2	A	26	25	14	50	-	200	JDMT150508	M040S080-1	Q15B	0.71
	C25-26-250-2T	2	A	26	25	14	50	-	250	JDMT150508	M040S080-1	Q15B	0.90

適用 Suitable:日立刀片 HITACHI Insert

特 點 / Feature

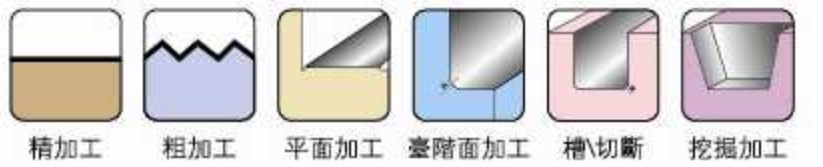
■刃口具備鋒利與强固兩大特點的高進給銑刀。
■可進行傾斜加工。
■一般的鋼材到難切削鋼材都適用，最適合于加工渦輪葉片。
■For high-feed cutting;High rigidity.
■Can be used for sloped machining.
■For different work piece (see below);Excellent for machining turbine blade.

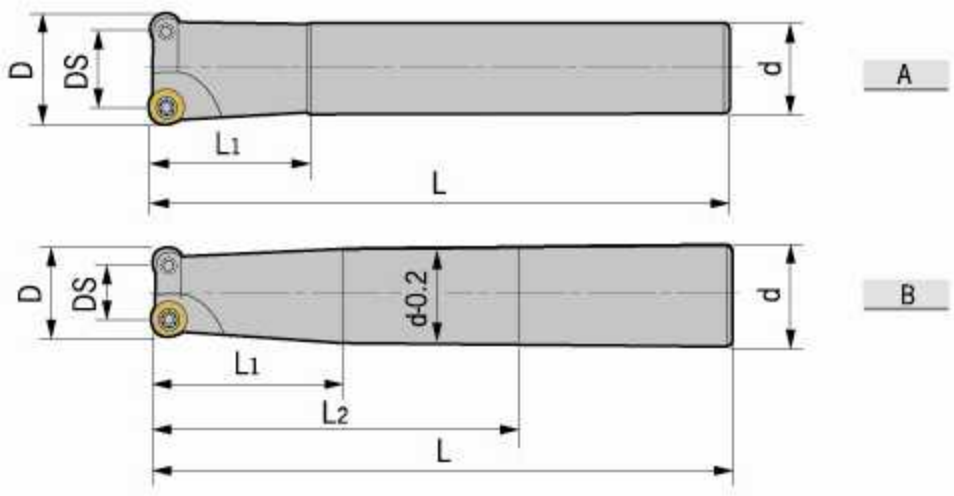
被削材 Work Piece		硬度 Hardness	切削速度 Cutting Speed	每齒進給量FZ(mm/齒) Feed
軟鋼 Mild steel		180HB以下	120-200	0.05-0.2
碳素鋼 Carbon steel		180-280HB	100-200	0.05-0.25
合金鋼 Alloy steel		280-350HB	80-160	0.05-0.25
高硬度鋼 Hardened steel		40HRC以上	50-100	0.05-0.15
不銹鋼 Stainless steel		200HB以下	80-160	0.05-0.25
普通鑄鐵 FC250		伸張强度350N/mm²以下	100-160	0.1-0.25
FCD450以下	鑄鐵	伸張强度450N/mm²以下	80-140	0.1-0.25
FCD500以下	Cast iron	伸張强度500-800N/mm²	60-120	0.05-0.25

JRC Indexable End Mill

JRC捨弃式端銑刀









	型號 Specification	刃數 Teeth	圖示 Figure	D	DS	d	L1	L2	L	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
JRC-	C20-5R20-160-2T	2	A	20	10	20	40	-	160	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.35
	C20-5R25-160-2T	2	A	25	15	20	40	-	160	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.40
	C20-5R25-200-2T	2	A	25	15	20	40	-	200	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.50
	C25-5R25-160-2T	2	A	25	15	25	60	-	160	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.55
	C25-5R25-200-2T	2	B	25	15	25	70	100	200	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.75
	C25-5R25-250-2T	2	B	25	15	25	60	115	250	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.95
	C25-5R25-200-2T	2	B	25	15	25	70	100	200	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.75
	C25-5R25-250-2T	2	B	25	15	25	80	115	250	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.95
	C25-6R32-160-2T	2	A	32	20	25	50	-	160	RC*T1204	M035T085	YD-14	M035T085	Q15B	0.60
	C25-6R32-200-2T	2	A	32	20	25	50	-	200	RC*T1204	M035T085	YD-14	M035T085	Q15B	0.80
	C25-6R32-250-2T	2	A	32	20	25	50	-	250	RC*T1204	M035T085	YD-14	M035T085	Q15B	1.00

適用 Suitable:德克、山特維克刀片 DEREK Or SANDVIK Insert

特殊型號 Special size

	型號 Specification	刃數 Teeth	圖示 Figure	D	DS	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
JRC-	C24-5R25-160-2T	2	A	25	15	24	60	160	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.55
	C24-5R25-200-2T	2	A	25	15	24	70	200	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.70
	C24-5R25-250-2T	2	A	25	15	24	80	250	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.90
	C25-5R26-160-2T	2	A	26	16	25	60	160	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.55
	C25-5R26-200-2T	2	A	26	16	25	70	200	RC*T10T3	M035T085	YD-14	M035T085	Q15B	0.75
	C25-5R26-250-2T	2	A	26	16	25	80	250	RC*T10T3	M035T085	YD-14	M035T085	Q15B	1.00

適用 Suitable:德克、山特維克刀片 DEREK Or SANDVIK Insert

特 點 / Feature

■適配山特維克精磨刀片，精度更高，精加工效果更佳。
■刀體整體預熱後，再進精磨。避免二次熱處理使刀體產生變形，從而確保了精確的公差範圍和超强的鋼性。
（本册所有刀具同原理）
■Use Sandvik Coromill high precession insert, more efficiency on finish machining,Excellent for finishing.
■After Heat treatment. That can avoid tooling body distortion after heat treatment.It ensure the exact tolerance and the higher rigidity. Special heat treatment promises a precise tolerance and rigidity for cutter body.

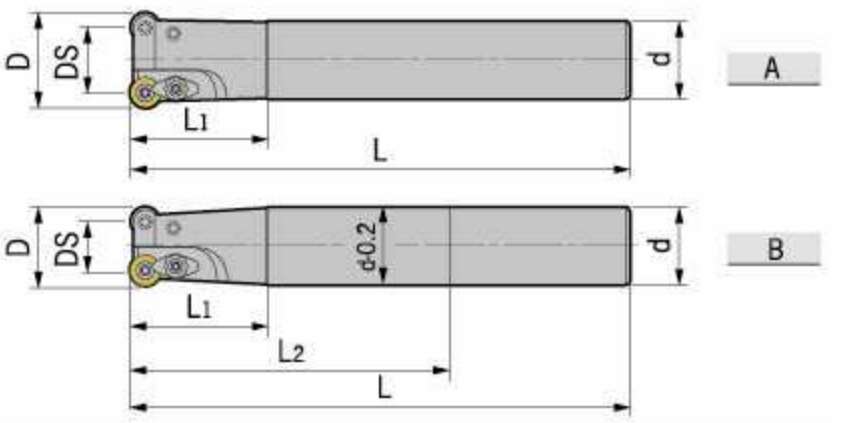
EMR Indexable End Mill

EMR捨弃式端銑刀









捨弃式切削刀具 MILLING CUTTERS
銑刀杆 End Mill Cutters
銑刀盤 Face Mill Cutters

型號 Specification	刃數 Teeth	圖示 Figure	D	DS	d	L1	L2	L	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
EMR-C12-4R12-130-1T	1	A	12	4	12	30	-	130	RPMW0802	M030Y060	-	-	Q08B	0.11
C16-4R16-160-2T	2	A	16	8	16	40	-	160	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.23
C16-4R16-200-2T	2	B	16	8	16	40	100	200	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.23
C20-4R20-160-2T	2	A	20	12	20	60	-	160	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.36
C20-4R20-200-2T	2	B	20	12	20	70	100	200	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.44
C20-5R20-160-2T	2	A	20	10	20	60	-	160	RPMW1003	M040S080-1	YS-39	M035T085	Q15B	0.35
C20-5R20-200-2T	2	B	20	10	20	70	100	200	RPMW1003	M040S080-1	YS-39	M035T085	Q15B	0.45
C20-5R25-160-2T	2	A	25	15	20	40	-	160	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.36
C20-5R25-200-2T	2	A	25	15	20	40	-	200	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.56
C25-5R25-160-2T	2	A	25	15	25	60	-	160	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.54
C25-5R25-180-2T	2	B	25	15	25	60	90	180	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.62
C25-5R25-200-2T	2	B	25	15	25	70	100	200	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.70
C25-5R25-250-2T	2	B	25	15	25	80	115	250	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.86
C3'/4-5R30-110-2T	2	A	30	20	3/4	30	-	110	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.28
C20-5R30-110-2T	2	A	30	20	20	30	-	110	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.27
C25-5R30-160-2T	2	A	30	20	25	35	-	160	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.57
C25-5R30-200-2T	2	A	30	20	25	35	-	200	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.75
C25-5R30-250-2T	2	A	30	20	25	35	-	250	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.92
C25-5R30-300-2T	2	A	30	20	25	35	-	300	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.11
C32-5R35-160-2T	2	A	35	25	32	48	-	160	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.95
C32-5R35-200-2T	2	A	35	25	32	48	-	200	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.20
C32-5R35-250-2T	2	A	35	25	32	48	-	250	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.50
C32-5R35-300-2T	2	A	35	25	32	48	-	300	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.80
C32-5R35-350-2T	2	A	35	25	32	48	-	350	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	2.13
C32-5R35-160-3T	3	A	35	25	32	48	-	160	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.91
C32-5R35-200-3T	3	A	35	25	32	48	-	200	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.17
C32-5R35-250-3T	3	A	35	25	32	48	-	250	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.49
C32-5R35-300-3T	3	A	35	25	32	48	-	300	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	1.79
C32-5R35-350-3T	3	A	35	25	32	48	-	350	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	2.11
C32-6R32-160-2T	2	A	32	20	32	48	-	160	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	0.89
C32-6R32-200-2T	2	A	32	20	32	48	-	200	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.16
C32-6R32-250-2T	2	A	32	20	32	48	-	250	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.46
C32-6R40-160-3T	3	A	40	28	32	48	-	160	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	0.93
C32-6R40-200-3T	3	A	40	28	32	48	-	200	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.20
C32-6R40-250-3T	3	A	40	28	32	48	-	250	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.51
C32-6R40-300-3T	3	A	40	28	32	48	-	300	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.81
C32-6R50-160-4T	4	A	50	38	32	48	-	160	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.03
C32-6R50-200-4T	4	A	50	38	32	48	-	200	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.29
C32-6R50-250-4T	4	A	50	38	32	48	-	250	RPMT1204	M040S100-1	YS-43	M040S120	Q15B	1.59

適用 Suitable:德克、三菱刀片 DEREK Or MITSUBISHI Insert

轉下頁
See next page

特殊型號 Special specification

型號 Specification		刃數 Teeth	圖示 Figure	D	DS	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
EMR-	C15-4R16-160-2T	2	A	16	8	15	40	160	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.20
	C15-4R16-200-2T	2	A	16	8	15	40	200	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.25
	C16-4R17-160-2T	2	A	17	9	16	40	160	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.23
	C16-4R17-200-2T	2	A	17	9	16	40	200	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.29
	C19-4R20-160-2T	2	A	20	12	19	60	160	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.32
	C19-4R20-200-2T	2	A	20	12	19	70	200	RPMW0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.41
	C20-4R21-160-2T	2	A	21	13	20	60	160	RPMW0802	M040S080-1	YS-39	M035T085	Q15B	0.36
	C20-4R21-200-2T	2	A	21	13	20	70	200	RPMW0802	M040S080-1	YS-39	M035T085	Q15B	0.45
	C20-5R21-160-2T	2	A	21	11	20	60	160	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.38
	C20-5R21-200-2T	2	A	21	11	20	70	200	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.47
	C24-5R25-160-2T	2	A	25	15	24	60	160	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.51
	C24-5R25-200-2T	2	A	25	15	24	70	200	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.65
	C24-5R25-250-2T	2	A	25	15	24	80	250	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.83
	C25-5R26-160-2T	2	A	26	16	25	60	160	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.55
	C25-5R26-200-2T	2	A	26	16	25	70	200	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.70
	C25-5R26-250-2T	2	A	26	16	25	80	250	RPMW1003	M040S080-1	YS-43	M040S100-1	Q15B	0.89

適用 Suitable:德克、三菱刀片 DEREK Or MITSUBISHI Insert

推薦切削條件 Cutting data table

切削速度 Cutting speed

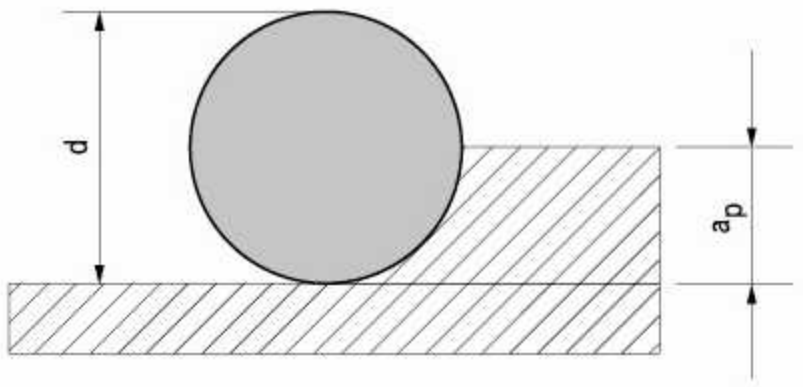
被削材 Work Piece	硬度 Hardness	塗層 Coating F7030	塗層 Coating VP15TF	硬質合金 Carbide UTI20T
軟鋼 Mild steel	＜180HB	200-300	200-300	100-200
碳素鋼 Carbon steel	HB180-280	130-200	130-200	100-160
合金鋼 Alloy steel	HB280-380	110-180	110-180	70-120
不銹鋼 Stainless steel	HRC35-45	80-140	80-140	60-100
高合金鋼 High alloy steel	300HB	90-160	90-160	70-120
調質鋼 Hardened steel	45-60HRC	-	50-100	40-70
SUS420	＜260HB	130-220	130-220	100-170
普通鑄鐵Common cast iron	Strength 350N/mm²	-	130-220	100-170
鑄鐵Cast iron	Strength 360-500N/mm²	-	100-180	80-140
	Strength 500-800N/mm²	-	80-140	70-110

每刃進給量 (mm/feed)

刀片直徑	切深(mm) 1	2	3	4	5	6	7	8
08	0.40	0.30	0.20	0.10	-	-	-	-
10	0.40	0.35	0.30	0.20	0.10	-	-	-
12	0.50	0.40	0.30	0.25	0.23	0.20	-	-
16	0.6	0.5	0.45	0.40	0.33	0.30	0.25	0.20

EMR規格刀杆的頁面底部加： 主軸轉速 = $\frac{1000X\text{切削速度}}{3.14X\text{刀具直徑}}$

進給量=FZX刀具刃數XS



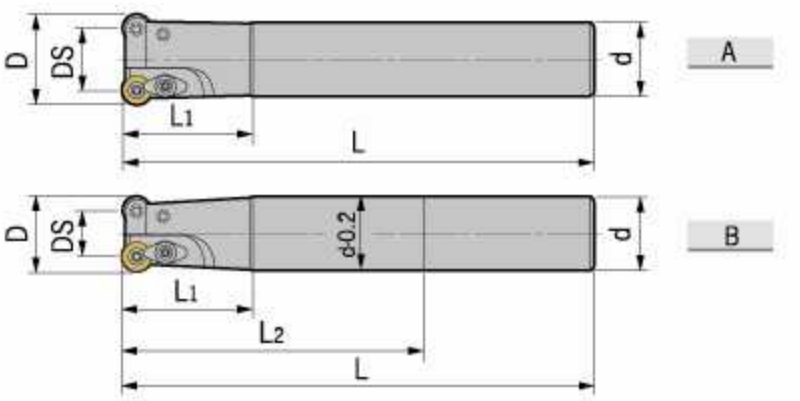
EMRT Indexable End Mill

EMRT捨弃式端銑刀









型號 Specification	刃數 Teeth	圖示 Figure	D	DS	d	L_1	L_2	L	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
EMRT-C12-4R12-130-1T	1	A	12	4	12	30	-	130	RPMT08T2	M030Y060	-	-	Q08B	0.10
C16-4R16-160-2T	2	A	16	8	16	40	-	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.23
C16-4R16-200-2T	2	B	16	8	16	40	100	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.29
C20-4R20-160-2T	2	A	20	12	20	60	-	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.32
C20-4R20-200-2T	2	B	20	12	20	70	100	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.45
C20-5R20-160-2T	2	A	20	10	20	60	-	160	RPMT10T3	M040S080-1	YS-39	M035T085	Q15B	0.34
C20-5R20-200-2T	2	B	20	10	20	70	100	200	RPMT10T3	M040S080-1	YS-39	M035T085	Q15B	0.44
C20-5R25-160-2T	2	A	25	15	20	40	-	160	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.36
C20-5R25-200-2T	2	A	25	15	20	40	-	200	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.47
C25-5R25-160-2T	2	A	25	15	25	60	-	160	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.54
C25-5R25-200-2T	2	B	25	15	25	70	100	200	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.70
C25-5R25-250-2T	2	B	25	15	25	80	115	250	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.88
C20-5R30-110-2T	2	A	30	20	20	30	-	110	RPMT10T3	M040S100-1	YS-43	M040S100-1	Q15B	0.32
C25-5R30-160-2T	2	A	30	20	25	35	-	160	RPMT10T3	M040S100-1	YS-43	M040S100-1	Q15B	0.57
C25-5R30-200-2T	2	A	30	20	25	35	-	200	RPMT10T3	M040S100-1	YS-43	M040S100-1	Q15B	0.73
C25-5R30-250-2T	2	A	30	20	25	35	-	250	RPMT10T3	M040S100-1	YS-43	M040S100-1	Q15B	0.91
C32-5R35-160-2T	2	A	35	25	32	48	-	160	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	0.94
C32-5R35-200-2T	2	A	35	25	32	48	-	200	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.18
C32-5R35-250-2T	2	A	35	25	32	48	-	250	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.50
C32-5R35-300-2T	2	A	35	25	32	48	-	300	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.81
C32-5R35-350-2T	2	A	35	25	32	48	-	350	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	2.11
C32-5R35-160-3T	3	A	35	25	32	48	-	160	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	0.92
C32-5R35-200-3T	3	A	35	25	32	48	-	200	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.17
C32-5R35-250-3T	3	A	35	25	32	48	-	250	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.48
C32-5R35-300-3T	3	A	35	25	32	48	-	300	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	1.79
C32-5R35-350-3T	3	A	35	25	32	48	-	350	RPMT10T3	M040S100-1	YS-43	M040S120	Q15B	2.12

適用 Suitable:德克、三菱刀片 DEREK Or MITSUBISHI Insert

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See next page

EMRT Indexable End Mill

EMRT捨弃式端銑刀

特殊型號 Special size

型號 Specification		刃數 Teeth	圖示 Figure	D	DS	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
EMRT-	C15-4R16-160-2T	2	A	16	8	15	40	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.20
	C15-4R16-200-2T	2	A	16	8	15	40	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.26
	C16-4R17-160-2T	2	A	17	9	16	40	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.21
	C16-4R17-200-2T	2	A	17	9	16	40	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.29
	C19-4R20-160-2T	2	A	20	12	19	60	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.30
	C19-4R20-200-2T	2	A	20	12	19	70	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.41
	C20-4R21-160-2T	2	A	21	13	20	60	160	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.33
	C20-4R21-200-2T	2	A	21	13	20	70	200	RPMT08T2	M030Y070-1	YS-34	M030Y070-1	Q08B	0.46
	C24-5R25-160-2T	2	A	25	15	24	60	160	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.51
	C24-5R25-200-2T	2	A	25	15	24	70	200	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.65
	C24-5R25-250-2T	2	A	25	15	24	80	250	RPMT10T3	M040S080-1	YS-43	M040S100-1	Q15B	0.82

適用 Suitable:德克、三菱刀片 DEREK Or MITSUBISHI Insert

推薦切削條件 Cutting data table

切削速度 Cutting speed

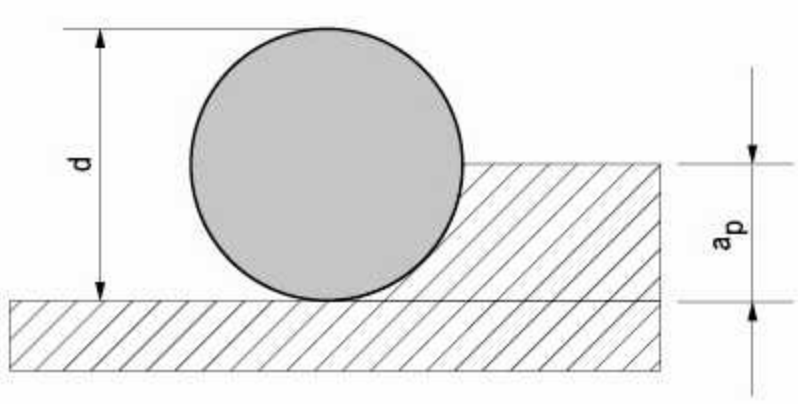
被削材 Work Piece	硬度 Hardness	塗層 Coating F7030	塗層 Coating VP15TF	硬質合金 Carbide UTI20T
軟鋼 Mild steel	＜180HB	200-300	200-300	100-200
碳素鋼 Carbon steel	HB180-280	130-200	130-200	100-160
合金鋼 Alloy steel	HB280-380	110-180	110-180	70-120
不銹鋼 Stainless steel	HRC35-45	80-140	80-140	60-100
高合金鋼 High alloy steel	300HB	90-160	90-160	70-120
調質鋼 Hardened steel	45-60HRC	-	50-100	40-70
SUS420	＜260HB	130-220	130-220	100-170
普通鑄鐵Common cast iron	Strength 350N/mm²	-	130-220	100-170
鑄鐵Cast iron	Strength 360-500N/mm²	-	100-180	80-140
	Strength 500-800N/mm²	-	80-140	70-110

每刃進給量 (mm/feed)

刀片直徑	切深(mm) 1	2	3	4	5	6	7	8
08	0.40	0.30	0.20	0.10	-	-	-	-
10	0.40	0.35	0.30	0.20	0.10	-	-	-
12	0.50	0.40	0.30	0.25	0.23	0.20	-	-
16	0.6	0.5	0.45	0.40	0.33	0.30	0.25	0.20

EMRT規格刀杆的頁面底部加：主軸轉速 = $\frac{1000X\text{切削速度}}{3.14X\text{刀具直徑}}$

進給量=FZX刀具刃數XS



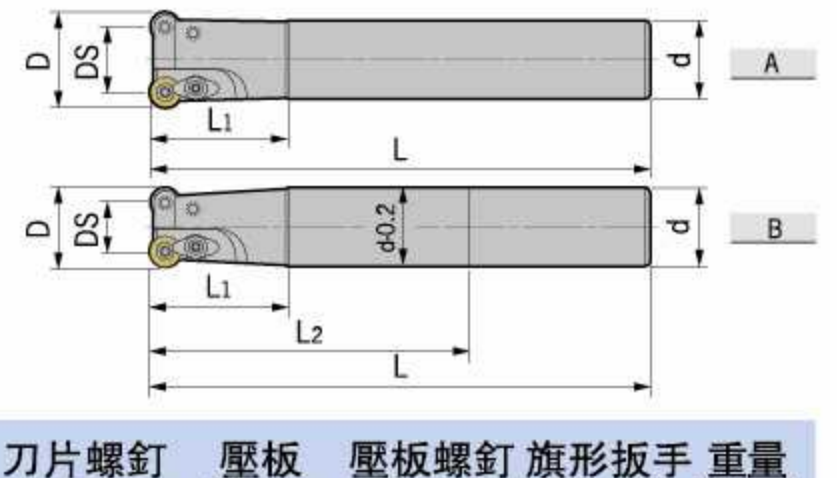
TRS Indexable Milling Cutter

TRS捨弃式端銑刀









型號 Specification		刃數 Teeth	圖示 Figure	D	DS	d	L1	L2	L	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
TRS-	C12-4R12-130-1T	1	A	12	4	12	35	-	130	RDMT0802	M030Y060	-	-	Q08B	0.10
	C16-4R16-160-2T	2	A	16	8	16	50	-	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.23
	C16-4R16-200-2T	2	B	16	8	16	50	100	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.29
	C20-4R20-160-2T	2	A	20	12	20	60	-	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.35
	C20-4R20-200-2T	2	B	20	12	20	70	100	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.34
	C20-5R20-160-2T	2	A	20	10	20	60	-	160	RDMT10T3	M040R080-2	YS-39	M035T085	Q15B	0.35
	C20-5R20-200-2T	2	B	20	10	20	70	100	200	RDMT10T3	M040R080-2	YS-39	M035T085	Q15B	0.44
	C20-5R25-160-2T	2	A	25	15	20	40	-	160	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.26
	C20-5R25-200-2T	2	A	25	15	20	40	-	200	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.46
	C25-5R25-160-2T	2	A	25	15	25	60	-	160	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.54
	C25-5R25-200-2T	2	B	25	15	25	70	100	200	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.69
	C25-5R25-250-2T	2	B	25	15	25	80	150	250	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.87
	C25-5R30-160-2T	2	A	30	20	25	40	-	160	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.57
	C25-5R30-200-2T	2	A	30	20	25	40	-	200	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.72
	C25-5R30-250-2T	2	A	30	20	25	40	-	250	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.91
	C32-5R32-160-2T	2	A	32	22	32	48	-	160	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.96
	C32-5R32-200-2T	2	A	32	22	32	48	-	200	RDMT10T3	M040R090	YS-43	M040S120	Q15B	1.22
	C32-5R32-250-2T	2	A	32	22	32	48	-	250	RDMT10T3	M040R090	YS-43	M040S120	Q15B	1.55
	C32-5R35-160-2T	2	A	35	25	32	48	-	160	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.94
	C32-5R35-200-2T	2	A	35	25	32	48	-	200	RDMT10T3	M040R090	YS-43	M040S120	Q15B	1.19
	C32-5R35-250-2T	2	A	35	25	32	48	-	250	RDMT10T3	M040R090	YS-43	M040S120	Q15B	1.50
	C32-5R35-300-2T	2	A	35	25	32	48	-	300	RDMT10T3	M040R090	YS-43	M040S120	Q15B	1.81
	C32-5R35-350-2T	2	A	35	25	32	48	-	350	RDMT10T3	M040R090	YS-43	M040S120	Q15B	2.12
	C32-5R35-160-3T	3	A	35	25	32	48	-	160	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.91
	C32-5R35-200-3T	3	A	35	25	32	48	-	200	RDMT10T3	M040R090	YS-43	M040S120	Q15B	1.16
	C32-5R35-250-3T	3	A	35	25	32	48	-	250	RDMT10T3	M040R090	YS-43	M040S120	Q15B	1.48
	C32-5R35-300-3T	3	A	35	25	32	48	-	300	RDMT10T3	M040R090	YS-43	M040S120	Q15B	1.79
	C32-5R35-350-3T	3	A	35	25	32	48	-	350	RDMT10T3	M040R090	YS-43	M040S120	Q15B	2.10
	C25-6R32-160-2T	2	A	32	20	25	48	-	160	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.94
	C25-6R32-200-2T	2	A	32	20	25	48	-	200	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.19
	C25-6R32-250-2T	2	A	32	20	25	48	-	250	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.50
	C32-6R32-160-2T	2	A	32	20	32	48	-	160	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.96
	C32-6R32-200-2T	2	A	32	20	32	48	-	200	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.22
	C32-6R32-250-2T	2	A	32	20	32	48	-	250	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.55
	C32-6R32-300-2T	2	A	32	20	32	48	-	300	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.91
	C32-6R40-160-3T	3	A	40	28	32	48	-	160	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.88
	C32-6R40-200-3T	3	A	40	28	32	48	-	200	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.19
	C32-6R40-250-3T	3	A	40	28	32	48	-	250	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.49

適用 Suitable:德克、日立刀片 DEREK Or HITACHI Insert

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TRS Indexable Milling Cutter

TRS捨弃式端銑刀

特殊型號 Special specification

型號 Specification		刃數 Teeth	圖示 Figure	D	DS	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
TRS-	C15-4R16-160-1T	1	A	16	8	15	50	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.20
	C15-4R16-160-2T	2	A	16	8	15	50	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.20
	C15-4R16-200-2T	2	A	16	8	15	50	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.26
	C16-4R17-160-2T	2	A	17	9	16	50	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.23
	C16-4R17-200-2T	2	A	17	9	16	50	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.30
	C19-4R20-160-2T	2	A	20	12	19	60	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.30
	C19-4R20-200-2T	2	A	20	12	19	70	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.41
	C20-4R21-160-2T	2	A	21	13	20	60	160	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.35
	C20-4R21-200-2T	2	A	21	13	20	70	200	RDMT0802	M030Y070-1	YS-34	M030Y070-1	Q08B	0.45
	C24-5R25-160-2T	2	A	25	15	24	60	160	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.50
	C24-5R25-200-2T	2	A	25	15	24	70	200	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.64
	C24-5R25-250-2T	2	A	25	15	24	80	250	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.82
	C25-5R26-160-2T	2	A	26	16	25	60	160	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.54
	C25-5R26-200-2T	2	A	26	16	25	70	200	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.70
	C25-5R26-250-2T	2	A	26	16	25	80	250	RDMT10T3	M040R080-2	YS-43	M040S100-1	Q15B	0.89

適用 Suitable:德克、日立刀片 DEREK Or HITACHI Insert

推薦切削條件 Suggest cutting data

切削速度 Cutting speed

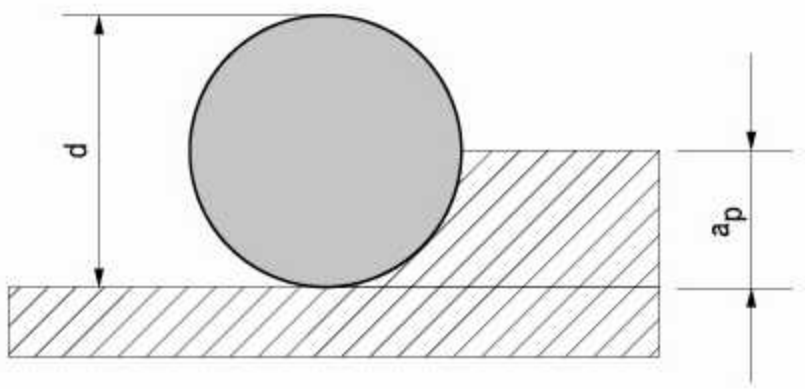
被削材 Work Piece	硬度 Hardness	刀片材質Insert material CY150	CY250	CY25	CF30	CY100H	WH10
一般鋼Steel	＜200HB	-	150-250	-	-	-	-
	＜30HRC	-	120-230	-	-	-	-
碳素鋼Carbon 合金鋼Alloy steel	30-40HRC	-	100-200	-	-	-	-
	35-40HRC	-	60-150	-	-	-	-
	45-55HRC	60-100	-	-	-	-	-
不銹鋼Stainless steel	extend intension 350N/mm²	-	150-240	-	150-240	-	-
普通鑄鐵 Common cast iron	FC	-	-	-	-	100-220	-
	FCD					-	100-220

每刃進給量(mm/feed)

刀片直徑	切深(mm) 1	2	3	4	5	6	7	8
08	0.40	0.30	0.20	0.10	-	-	-	-
10	0.40	0.35	0.30	0.20	0.10	-	-	-
12	0.50	0.40	0.30	0.25	0.23	0.20	-	-
16	0.6	0.5	0.45	0.40	0.33	0.30	0.25	0.20

TRS規格刀杆的頁面底部加：主軸轉速= $\frac{1000X切削速度}{3.14X刀具直徑}$

進給量=FZX刀具刃數XS



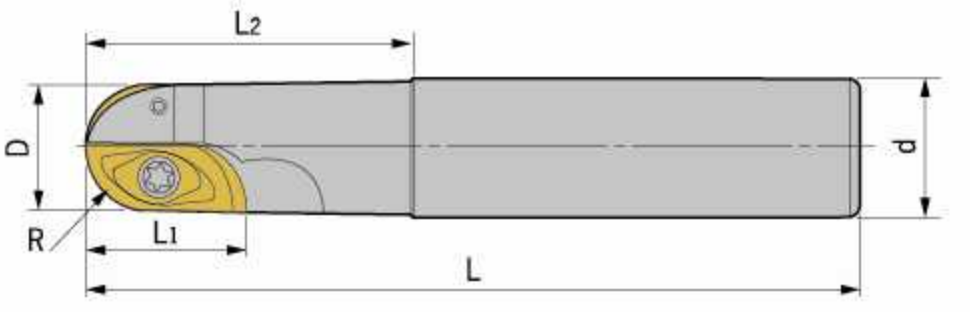
RCF Ball-nose Indexable Cutter For Roughing

RCF球形中粗刀









型號 Specification		刃數 Teeth	R	D	d	L_1	L_2	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
RCF-	C20-10R-160-2T	2	10	20	20	18	60	160	ZCEW100CE ZCEW100SE	M030D075 M030D095	Q08B	0.30
	C20-10R-200-2T	2	10	20	20	18	70	200			Q08B	0.45
	C25-10R-160-2T	2	10	20	25	18	60	160			Q08B	0.55
	C25-10R-200-2T	2	10	20	25	18	70	200			Q08B	0.65
	C25-10R-250-2T	2	10	20	25	18	80	250			Q08B	0.75
	C32-10R-250-2T	2	10	20	32	18	90	250			Q08B	1.10
	C32-10R-300-2T	2	10	20	32	18	110	300			Q08B	1.30
	C25-12.5R-160-2T	2	12.5	25	25	23	60	160	ZCEW125CE ZCEW125SE	M040D080-3 M040D110-3	Q15B	0.55
	C25-12.5R-200-2T	2	12.5	25	25	18	70	200			Q15B	0.70
	C32-12.5R-200-2T	2	12.5	25	32	23	80	200			Q15B	0.90
	C32-12.5R-250-2T	2	12.5	25	32	23	90	250			Q15B	1.20
	C32-12.5R-300-2T	2	12.5	25	32	23	110	300			Q15B	1.45
	C32-15R-160-2T	2	15	30	32	28	60	160	ZCEW150CE ZCEW150SE	M050D120-3	Q20B	0.80
	C32-15R-200-2T	2	15	30	32	28	70	200			Q20B	1.10
	C32-15R-250-2T	2	15	30	32	28	80	250			Q20B	1.40
	C32-15R-300-2T	2	15	30	32	28	110	300			Q20B	1.70
	C32-15R-350-2T	2	15	30	32	28	110	350			Q20B	2.00

適用 Suitable:日立刀片 HITACHI Insert

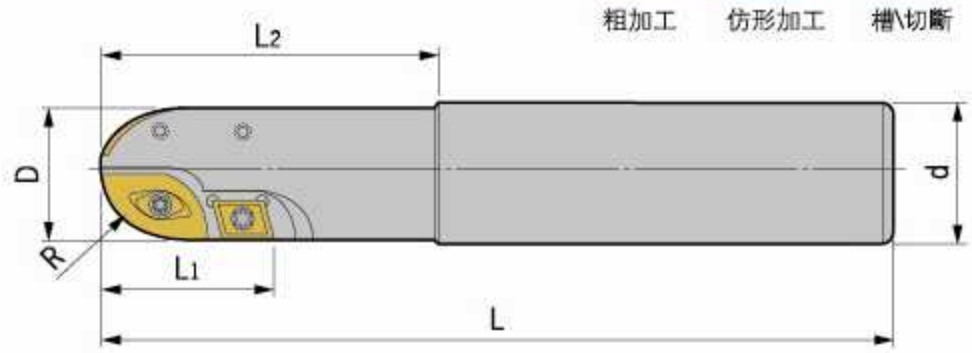
RCFL Ball-nose Indexable Cutter For Roughing

RCFL球形中粗刀









型號 Specification	刃數 Teeth	R	D	d	L1	L2	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
RCFL- C20-10R-160-2T	2	10	20	20	18	60	160	ZCEW100CE ZCEW100SE CPMT080204	M030D095 M030D075 M025D060	Q08B	0.35
C20-10R-200-2T	2	10	20	20	18	70	200			Q08B	0.45
C25-10R-160-2T	2	10	20	25	18	60	160			Q08B	0.50
C25-10R-200-2T	2	10	20	25	18	70	200			Q08B	0.65
C25-10R-250-2T	2	10	20	25	18	80	250			Q08B	0.75
C32-10R-250-2T	2	10	20	32	18	115	250			Q08B	1.15
C32-10R-300-2T	2	10	20	32	18	115	300			Q08B	1.40
C25-12.5R-160-2T	2	12.5	25	25	23	60	160	ZCEW125CE ZCEW125SE CPMT090308	M040D110-3 M040D080-3	Q15B	0.50
C25-12.5R-200-2T	2	12.5	25	25	18	70	200			Q15B	0.70
C32-12.5R-160-2T	2	12.5	25	32	23	70	160			Q15B	0.60
C32-12.5R-200-2T	2	12.5	25	32	23	80	200			Q15B	0.90
C32-12.5R-250-2T	2	12.5	25	32	23	90	250			Q15B	1.20
C32-12.5R-300-2T	2	12.5	25	32	23	105	300			Q15B	1.45
C32-15R-160-2T	2	15	30	32	28	60	160	ZCEW150CE ZCEW150SE CPMT090308	M050D120-3 M040D080-3	Q15B/Q20B	0.85
C32-15R-200-2T	2	15	30	32	28	70	200			Q15B/Q20B	1.10
C32-15R-250-2T	2	15	30	32	28	80	250			Q15B/Q20B	1.40
C32-15R-300-2T	2	15	30	32	28	100	300			Q15B/Q20B	1.70
C32-15R-350-2T	2	15	30	32	28	100	350			Q15B/Q20B	2.00

適用 Suitable:日立刀片 HITACHI Insert

BF Ball-nose Milling Cutter For Finishing

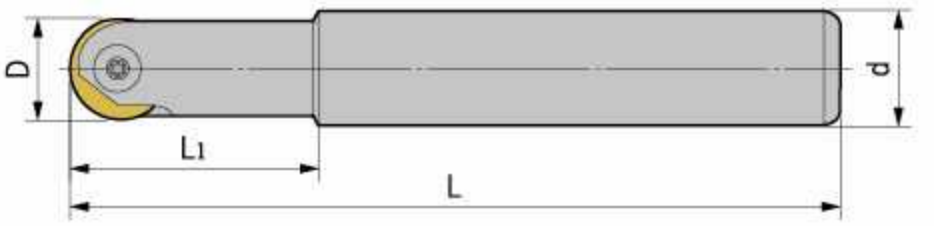
BF球頭精加工立銑刀







精加工　仿形加工



型號 Specification		D	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	扳手 Wrench	重量 Weight
BF-	C12-4R-100-1T	8	12	25	100	P3200-D08	M030W070-4R	Q08B	0.10
	C12-4R-130-1T	8	12	25	130	P3200-D08	M030W070-4R	Q08B	0.10
	C12-4R-160-1T	8	12	30	160	P3200-D08	M030W070-4R	Q08B	0.12
	C10-5R-100-1T	10	10	30	100	P3200-D10	M040W090-5R	Q15B	0.05
	C12-5R-130-1T	10	12	30	130	P3200-D10	M040W090-5R	Q15B	0.10
	C12-5R-160-1T	10	12	35	160	P3200-D10	M040W090-5R	Q15B	0.12
	C12-6R-130-1T	12	12	30	130	P3200-D12	M050W090-6R	Q20B	0.10
	C12-6R-160-1T	12	12	30	160	P3200-D12	M050W090-6R	Q20B	0.15
	C16-6R-160-1T	12	16	30	160	P3200-D12	M050W090-6R	Q20B	0.13
	C16-8R-120-1T	16	16	30	120	P3200-D16	M050W130-8R	Q20B	0.23
	C16-8R-160-1T	16	16	30	160	P3200-D16	M050W130-8R	Q20B	0.20
	C16-8R-180-1T	16	16	35	180	P3200-D16	M050W130-8R	Q20B	0.26
	C16-8R-200-1T	16	16	45	200	P3200-D16	M050W130-8R	Q20B	0.29
	C20-10R-160-1T	20	20	30	160	P3200-D20	M050W170-10R	Q20B	0.35
	C20-10R-200-1T	20	20	35	200	P3200-D20	M050W170-10R	Q20B	0.45
	C25-10R-160-1T	20	25	30	160	P3200-D20	M050W170-10R	Q20B	0.44
	C25-10R-200-1T	20	25	60	200	P3200-D20	M050W170-10R	Q20B	0.62
	C25-10R-250-1T	20	25	50	250	P3200-D20	M050W170-10R	Q20B	0.80
	C25-12.5R-160-1T	25	25	35	160	P3202-D25	M060W210-12.5R	T30M	0.54
	C25-12.5R-200-1T	25	25	40	200	P3202-D25	M060W210-12.5R	T30M	0.70
	C25-12.5R-250-1T	25	25	60	250	P3202-D25	M060W210-12.5R	T30M	0.88
	C32-12.5R-200-1T	25	32	50	200	P3202-D25	M060W210-12.5R	T30M	0.91
	C32-12.5R-250-1T	25	32	85	250	P3202-D25	M060W210-12.5R	T30M	1.01
	C32-16R-200-1T	32	32	55	200	P3201-D32	M080W250-15R	T30M	1.13
	C32-16R-250-1T	32	32	70	250	P3201-D32	M080W250-15R	T30M	1.44
	C32-16R-300-1T	32	32	80	300	P3201-D32	M080W250-15R	T30M	1.77

適用 Suitable:瓦爾特刀片 WALTER Insert

工件材料 Work Piece	刀片材質 Insert material	切削速度 Cutting speed	進給量Feed FZ(mm/tool)	ap(mm)
軟鋼Mild steel <200HB	WAK15、WAP25 WAP35、WXM254 WXK15	60-180	0.10-0.25	0.5-1.0
合金鋼Alloy steel <30HRC		60-180	0.10-0.25	0.5-1.0
合金鋼Alloy steel 30-40HRC		50-120	0.10-0.20	0.5-1.0
不銹鋼Stainless steel		50-120	0.10-0.25	0.5-1.0
鑄鐵Cast iron SUS	WTA21、WTA51 WEC20、WPM	80-180	0.10-0.40	0.5-1.0
鋁合金Aluminum&alloys　銅Copper		200-400	0.10-0.40	0.5-1.0

特 點 / Feature

■切削能力及精準度均佳，排削良好，高速切削亦穩定，同一片刀片有很寬的應用範圍。它鋒利的切削刃很容易切削淬硬到HRC60鋼以及不銹鋼球墨鑄鐵、鋁、鋅合金和石墨，應用于造模具用的材料的精加工以及航空工業內的燃汽輪機葉片的制造。

■Good cutting capability and precision ,Good capability for removing the metal chips and cutting . Steadily with high speed.One insert can using in vast area.The sharp blade easy to cutting steel, stainless steel, cast iron, aluminum, zine & alloy, black lead. Rigidity at HRC60. Developed in precesion machining on mould producing material.Like aviation industry of gas turbine vane making.

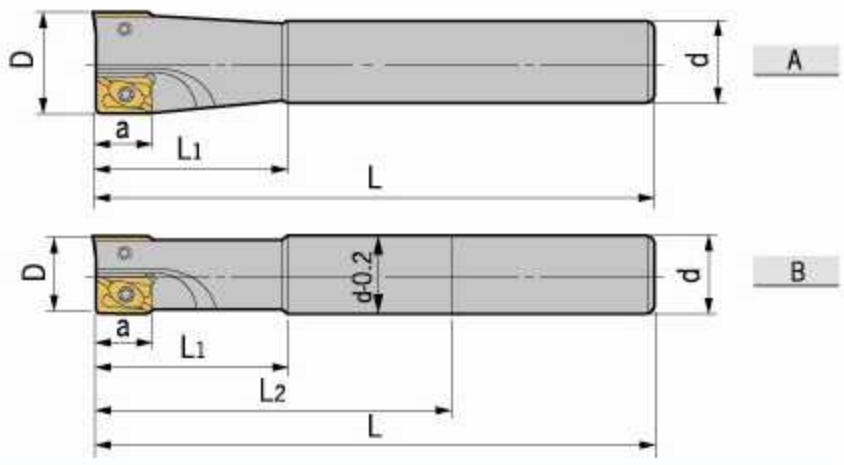
300R/400R High Speed Indexable End Mill

300R/400R直角高速端銑刀









型號 Specification		刃數 Teeth	圖示 Figure	D	d	a	L1	L2	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
300R-	C10-10-100-1T	1	A	10	10	9	25	-	100	APMT1135	M025W050	Q08B	0.05
	C12-12-130-1T	1	A	12	12	9	30	-	130	APMT1135	M025W050	Q08B	0.10
	C16-16-120-2T	2	A	16	16	9	40	-	120	APMT1135	M025W060	Q08B	0.17
	C16-16-160-2T	2	A	16	16	9	50	-	160	APMT1135	M025W060	Q08B	0.23
	C16-16-180-2T	2	B	16	16	9	60	90	180	APMT1135	M025W060	Q08B	0.26
	C16-16-200-2T	2	B	16	16	9	60	100	200	APMT1135	M025W060	Q08B	0.29
	C20-20-120-2T	2	A	20	20	9	50	-	120	APMT1135	M025W060	Q08B	0.26
	C20-20-160-2T	2	A	20	20	9	60	-	160	APMT1135	M025W060	Q08B	0.36
	C20-20-200-2T	2	B	20	20	9	70	100	200	APMT1135	M025W060	Q08B	0.46
400R-	C25-25-160-2T	2	A	25	25	14	70	-	160	APMT1604	M040S080-1	Q15B	0.55
	C25-25-200-2T	2	B	25	25	14	70	100	200	APMT1604	M040S080-1	Q15B	0.70
	C25-25-250-2T	2	B	25	25	14	80	115	250	APMT1604	M040S080-1	Q15B	0.89
	C25-25-300-2T	2	B	25	25	14	80	165	300	APMT1604	M040S080-1	Q15B	1.07
	C25-30-160-2T	2	A	30	25	14	48	-	160	APMT1604	M040S100-1	Q15B	0.81
	C25-30-200-2T	2	B	30	25	14	48	100	200	APMT1604	M040S100-1	Q15B	1.11
	C25-30-250-2T	2	B	30	25	14	48	115	250	APMT1604	M040S100-1	Q15B	1.42
	C32-32-160-2T	2	A	32	32	14	48	-	160	APMT1604	M040S100-1	Q15B	0.86
	C32-32-200-2T	2	B	32	32	14	48	100	200	APMT1604	M040S100-1	Q15B	1.16
	C32-32-250-2T	2	B	32	32	14	48	115	250	APMT1604	M040S100-1	Q15B	1.47
	C32-32-300-2T	2	B	32	32	14	48	165	300	APMT1604	M040S100-1	Q15B	1.77
	C32-35-160-2T	2	A	35	32	14	48	-	160	APMT1604	M040S100-1	Q15B	0.95
	C32-35-200-2T	2	A	35	32	14	48	-	200	APMT1604	M040S100-1	Q15B	1.20
	C32-35-250-2T	2	A	35	32	14	60	-	250	APMT1604	M040S100-1	Q15B	1.51
	C32-35-300-2T	2	A	35	32	14	60	-	300	APMT1604	M040S100-1	Q15B	1.83
	C32-35-160-3T	3	A	35	32	14	60	-	160	APMT1604	M040S100-1	Q15B	0.94
	C32-35-200-3T	3	A	35	32	14	60	-	200	APMT1604	M040S100-1	Q15B	1.20
	C32-35-250-3T	3	A	35	32	14	60	-	250	APMT1604	M040S100-1	Q15B	1.51
	C32-35-300-3T	3	A	35	32	14	60	-	300	APMT1604	M040S100-1	Q15B	1.82
	C32-35-350-3T	3	A	35	32	14	60	-	350	APMT1604	M040S100-1	Q15B	2.13
	C32-35-400-3T	3	A	35	32	14	60	-	400	APMT1604	M040S100-1	Q15B	2.46
	C32-35-450-3T	3	A	35	32	14	60	-	450	APMT1604	M040S100-1	Q15B	2.78
	C32-35-500-3T	3	A	35	32	14	60	-	500	APMT1604	M040S100-1	Q15B	3.07
	C32-40-200-3T	3	A	40	32	14	60	-	200	APMT1604	M040S100-1	Q15B	1.24
	C32-40-250-3T	3	A	40	32	14	60	-	250	APMT1604	M040S100-1	Q15B	1.55
	C32-40-300-3T	3	A	40	32	14	60	-	300	APMT1604	M040S100-1	Q15B	1.88

適用 Suitable:德克、三菱刀片 DEREK Or MITSUBISHI Insert

特 點 / Feature

■本刀適合于强力切削。
■回轉及進刀量多于一般銑刀3倍。

■For heavy-duty cutting.
■Two more times of R.P.M and cutting than general cutters.

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300R/400R High Speed Indexable End Mill

300R/400R直角高速端銑刀

特殊型號 Special size

型號 Specification		刃數 Teeth	圖示 Figure	D	d	a	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
300R-	C12-13-130-1T	1	A	13	12	9	25	130	APMT1135	M025W060	Q08B	0.11
	C15-16-120-2T	2	A	16	15	9	40	120	APMT1135	M025W060	Q08B	0.15
	C15-16-160-2T	2	A	16	15	9	40	160	APMT1135	M025W060	Q08B	0.21
	C15-16-180-2T	2	A	16	15	9	40	180	APMT1135	M025W060	Q08B	0.24
	C15-16-200-2T	2	A	16	15	9	40	200	APMT1135	M025W060	Q08B	0.26
	C15.6-16-160-2T	2	A	16	15.6	9	50	160	APMT1135	M025W060	Q08B	0.22
	C15.6-16-200-2T	2	A	16	15.6	9	50	200	APMT1135	M025W060	Q08B	0.28
	C16-17-120-2T	2	A	17	16	9	50	120	APMT1135	M025W060	Q08B	0.17
	C16-17-160-2T	2	A	17	16	9	50	160	APMT1135	M025W060	Q08B	0.24
	C16-17-180-2T	2	A	17	16	9	50	180	APMT1135	M025W060	Q08B	0.27
	C16-17-200-2T	2	A	17	16	9	50	200	APMT1135	M025W060	Q08B	0.30
	C19-20-160-2T	2	A	20	19	9	50	160	APMT1135	M025W060	Q08B	0.33
	C19-20-200-2T	2	A	20	19	9	50	200	APMT1135	M025W060	Q08B	0.42
	C20-21-160-2T	2	A	21	20	9	50	160	APMT1135	M025W060	Q08B	0.39
	C20-21-200-2T	2	A	21	20	9	50	200	APMT1135	M025W060	Q08B	0.47
400R-	C24-25-160-2T	2	A	25	24	14	50	160	APMT1604	M040S080-1	Q15B	0.51
	C24-25-200-2T	2	A	25	24	14	50	200	APMT1604	M040S080-1	Q15B	0.65
	C24-25-250-2T	2	A	25	24	14	50	250	APMT1604	M040S080-1	Q15B	0.83
	C25-26-160-2T	2	A	26	25	14	50	160	APMT1604	M040S080-1	Q15B	0.56
	C25-26-200-2T	2	A	26	25	14	50	200	APMT1604	M040S080-1	Q15B	0.71
	C25-26-250-2T	2	A	26	25	14	50	250	APMT1604	M040S080-1	Q15B	0.90

適用 Suitable:德克、三菱刀片 DEREK Or MITSUBISHI Insert

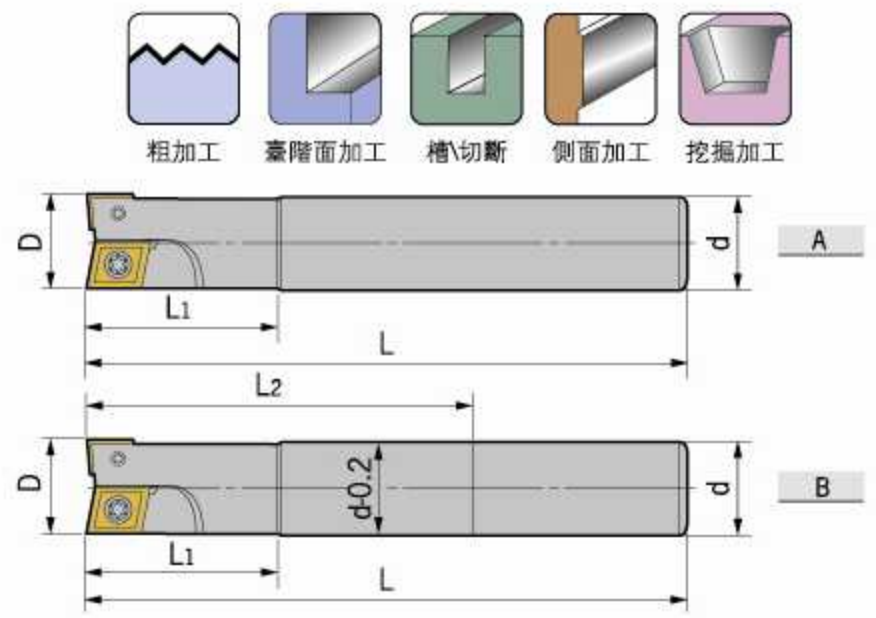
工件材料 Work Piece		硬度 Hardness	切削速度 Cutting speed	每齒進給量FZ(mm/齒) Feed
軟鋼Mild steel		＜180HB	120-200	0.05-0.2
碳素鋼Carbon steel		180-280HB	100-200	0.05-0.25
合金鋼Alloy steel		280-350HB	80-160	0.05-0.25
高硬度鋼Hardened steel		＞40HRC	50-100	0.05-0.15
不銹鋼Stainless steel		＜200HB以下	80-160	0.05-0.25
普通鑄鐵FC250		伸張强度Flex strength＜350N/mm²	100-160	0.1-0.25
＜FCD450	鑄鐵	伸張强度Flex strength＜450N/mm²	80-140	0.1-0.25
＜FCD500	Cast iron	伸張强度Flex strength500-800N/mm²	60-120	0.05-0.25

AJU Cutter For Centering And Drilling

AJU過中心鑽銑刀







型號 Specification	刃數 Teeth	圖示 Figure	D	d	L1	L2	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
AJU-C10-10-100-1T	1	A	10	10	30	-	100	CCMT060204	M025W050	Q08B	0.05
C10-10-130-1T	1	A	10	10	30	-	130	CCMT060204	M025W050	Q08B	0.07
C12-12-130-1T	1	A	12	12	30	-	130	CPMT080204Z	M025W060	Q08B	0.10
C16-16-120-2T	2	A	16	16	35	-	120	CCMT060204 CPMT080204Z	M025W060	Q08B	0.20
C16-16-160-2T	2	A	16	16	35	-	160			Q08B	0.23
C16-16-180-2T	2	B	16	16	35	90	180			Q08B	0.26
C16-16-200-2T	2	A	16	16	40	100	200			Q08B	0.29
C20-20-160-2T	2	A	20	20	50	-	160	CCMT060204	M025W060	Q08B	0.36
C20-20-200-2T	2	B	20	20	60	100	200	CPMT090204Z	M035R080-1	Q15B	0.45
C25-25-160-2T	2	A	25	25	60	-	160	CPMT090308 CPMT120308Z	M040R080-2	Q15B	0.54
C25-25-200-2T	2	A	25	25	70	100	200			Q15B	0.70
C25-25-250-2T	2	B	25	25	80	115	250			Q15B	0.88
C32-32-200-2T	2	B	32	32	60	100	200	CPMT120408 120430 CPMT160408Z 160430Z	M050Y110-4	Q20B	1.12
C32-32-250-2T	2	B	32	32	70	115	250			Q20B	1.41
C32-32-300-2T	2	B	32	32	80	165	300			Q20B	1.71

適用 Suitable:德克、日立刀片 DEREK Or HITACHI Insert

特殊型號 Special size

型號 Specification	刃數 Teeth	圖示 Figure	D	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
AJU-C15-16-120-2T	2	A	16	15	35	120	CCMT060204 CPMT080204Z	M025W060	Q08B	0.15
C15-16-160-2T	2	A	16	15	35	160			Q08B	0.21
C15-16-180-2T	2	A	16	15	40	180			Q08B	0.23
C15-16-200-2T	2	A	16	15	40	200			Q08B	0.26
C19-20-160-2T	2	A	20	19	35	160	CCMT060204	M025W060	Q08B	0.33
C19-20-200-2T	2	A	20	19	40	200	CPMT090204Z	M035R080-1	Q15B	0.42
C24-25-160-2T	2	A	25	24	35	160	CPMT090308 CPMT120308Z	M040R080-2	Q15B	0.51
C24-25-200-2T	2	A	25	24	35	200			Q15B	0.65
C24-25-250-2T	2	A	25	24	40	250			Q15B	0.83

適用 Suitable:德克、日立刀片 DEREK Or HITACHI Insert

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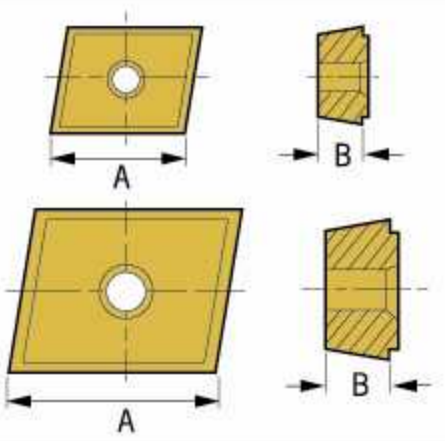
特 點 / Feature

■從盲孔直式進刀及銑刀橫式進刀加工均無阻力。■使用于模具加工。■切削角=90度。
■Drilling on the plate vertically or milling horizontally processing without resistance.
■For die & mould machining. ■Cutting angle.

AJU Centering And Drilling Cutter

AJU過中心鑽銑刀

特殊型號 Special specification

型號 Specification	圖示 Figure	A	B	刀片螺釘 Insert screw	旗形扳手 Wrench
CCMT060204		6.35	2.38	M025W050	Q08B
CCMT090308		9.525	3.18	M035R080-1	Q15B
CCMT120408		12.7	4.76	M040R080-2	Q15B
CCMT080204Z		7.94	2.38	M025W060	Q08B
CCMT090204Z		9.525	2.38	M035R080-1	Q15B
CCMT120308Z		12.7	3.18	M040R080-2	Q15B
CCMT160408Z		15.875	4.76	M050Y110-4	Q20B
CCMT190408Z		19.05	4.76	M050Y110-4	Q20B

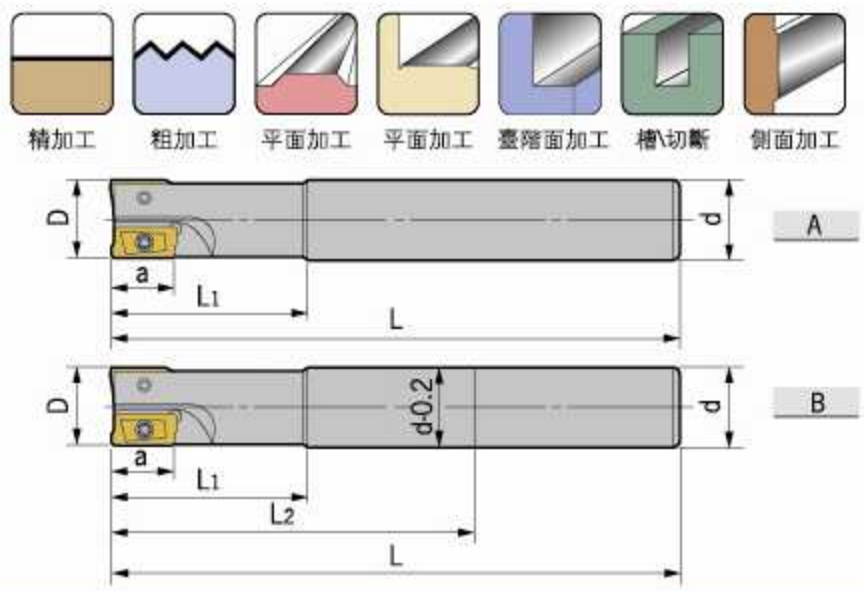
被削材 Cutting material	刀片材質 Insert material	切削速度 Cutting speed	加工情況 Processing situation	Φ16		Φ20		Φ25		Φ32	
				轉速 r/min	進給 mm/min	轉速 r/min	進給 mm/min	轉速 r/min	進給 mm/min	轉速 r/min	進給 mm/min
軟鋼 HRC22 以下	HC844 EX35	80-150	肩削	2980	420	2400	384	1910	382	1500	450
			型腔銑	2980	1200	2400	1150	1910	1150	1500	1350
			鑽銑	1600	130	1600	130	1270	130	1500	150
碳素鋼 合金鋼 30HRC以下	HC844 EX35	65-120	肩削	2980	420	2400	384	1910	382	1500	450
			型腔銑	2980	1200	2400	1150	1910	1150	1500	1350
			鑽銑	1280	100	1280	100	1020	100	1200	120
碳素鋼 合金鋼 30-40HRC	HC844 EX35	40-80	肩削	1600	224	1270	203	1020	204	800	240
			型腔銑	1600	660	1270	530	1020	640	800	700
			鑽銑	700	60	720	60	570	60	680	70
不銹鋼 Stainless steel	HC844	60-110	肩削	2000	280	1600	265	1270	254	1050	320
			型腔銑	2000	800	1600	770	1270	770	1050	960
			鑽銑	1120	90	1120	90	890	90	1050	100
鑄鐵 Cast iron	WH10	40-80	肩削	3000	600	2400	480	1910	380	1500	450
			型腔銑	3000	1250	2400	1000	1910	1200	1500	1320
			鑽銑	700	60	720	60	570	60	680	70

R390 Indexable End Mill

R390捨弃式端銑刀







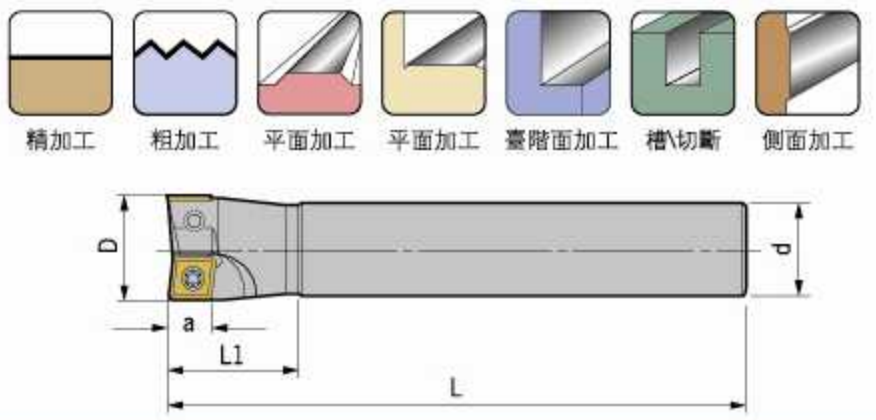
型號 Specification		刃數 Teeth	圖示 Figure	D	d	a	L1	L2	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
R390-	C15-16-160-2T	2	A	16	15	10	25	-	160	R390-11T308	M025W050	Q08B	0.20
	C15-16-200-2T	2	A	16	15	10	25	-	200	R390-11T308	M025W050	Q08B	0.23
	C15.6-16-160-2T	2	A	16	15.6	10	25	-	160	R390-11T308	M025W050	Q08B	0.22
	C15.6-16-200-2T	2	A	16	15.6	10	25	-	200	R390-11T308	M025W050	Q08B	0.25
	C16-16-160-2T	2	A	16	16	10	25	-	160	R390-11T308	M025W050	Q08B	0.23
	C16-16-180-2T	2	B	16	16	10	25	90	180	R390-11T308	M025W050	Q08B	0.26
	C19-20-160-2T	2	A	20	19	10	25	-	160	R390-11T308	M025W060	Q08B	0.33
	C19-20-180-2T	2	A	20	19	10	25	-	180	R390-11T308	M025W060	Q08B	0.37
	C20-20-160-2T	2	A	20	20	10	25	-	160	R390-11T308	M025W060	Q08B	0.35
	C20-20-200-2T	2	B	20	20	10	25	100	200	R390-11T308	M025W060	Q08B	0.45
	C24-25-160-2T	2	A	25	24	17	50	-	160	R390-170408	M035T085	Q15B	0.51
	C24-25-200-2T	2	A	25	24	17	50	-	200	R390-170408	M035T085	Q15B	0.64
	C24-25-250-2T	2	A	25	24	17	50	-	250	R390-170408	M035T085	Q15B	0.82
	C25-25-160-2T	2	A	25	25	17	60	-	160	R390-170408	M035T085	Q15B	0.55
	C25-25-200-2T	2	B	25	25	17	60	100	200	R390-170408	M035T085	Q15B	0.70
	C25-25-250-2T	2	B	25	25	17	60	100	250	R390-170408	M035T085	Q15B	0.89
適用 Suitable:山特維克刀片 SANDVIK Insert													

TCP Power Milling Cutter

TCP强力立銑刀







型號 Specification	刃數 Teeth	D	d	a	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
TCP- C16-16-160-2T	2	16	16	6	50	160	CCMT060204	M025W060	Q08B	0.23
C16-16-200-2T	2	16	16	6	60	200	CCMT060204	M025W060	Q08B	0.26
C20-20-160-2T	2	20	20	8	60	160	CPMT080204	M025W060	Q08B	0.35
C20-20-200-2T	2	20	20	8	70	200	CPMT080204	M025W060	Q08B	0.45
C25-25-160-2T	2	25	25	9	80	160	CPMT090308	M040R080-2	Q15B	0.55
C25-25-200-2T	2	25	25	9	70	200	CPMT090308	M040R080-2	Q15B	0.70
C25-30-160-2T	2	30	25	12	48	160	CPMT120408	M050Y110-4	Q20B	0.53
C25-30-200-2T	2	30	25	12	48	200	CPMT120408	M050Y110-4	Q20B	0.72
C25-30-250-2T	2	30	25	12	48	250	CPMT120408	M050Y110-4	Q20B	0.92
C32-35-160-2T	2	35	32	12	48	160	CPMT120408	M050Y110-4	Q20B	0.86
C32-35-200-2T	2	35	32	12	48	200	CPMT120408	M050Y110-4	Q20B	1.18
C32-35-250-2T	2	35	32	12	48	250	CPMT120408	M050Y110-4	Q20B	1.49
C32-35-160-3T	3	35	32	12	48	160	CPMT120408	M050Y110-4	Q20B	0.94
C32-35-200-3T	3	35	32	12	48	200	CPMT120408	M050Y110-4	Q20B	1.20
C32-35-250-3T	3	35	32	12	48	250	CPMT120408	M050Y110-4	Q20B	1.51
適用 Suitable:德克、日立刀片 DEREK Or HITACHI Insert										

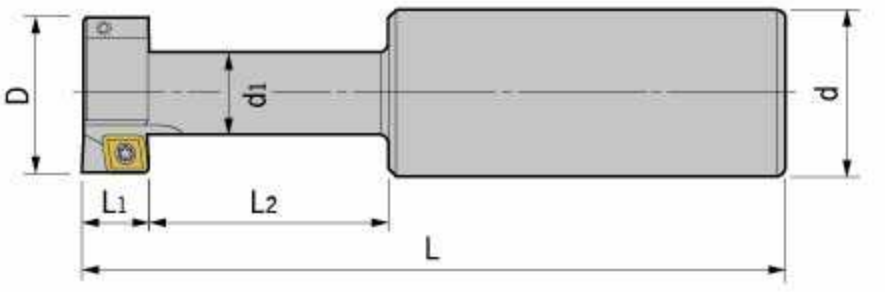
ATS T-Slot Milling Cutter

ATS-T型槽端銑刀









型號 Specification		刃數 Teeth	D	d	d1	L1	L2	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
ATS-	C25-25-11-110-2T	2	25	25	12.5	11	21	110	CCMT060204	M025W060	Q08B	0.35
	C32-32-14-120-2T	2	32	32	16	14	30	120	CPMT080204	M025W060	Q08B	0.55
	C32-40-18-130-4T	4	40	32	20	18	32	130	CCMT09T308	M040S100-1	Q15B	0.70
	C32-50-22-140-4T	4	50	32	26	22	39	140	CCMT120408	M050Y110-1	Q20B	0.95

適用 Suitable:德克、日立刀片 DEREK Or HITACHI Insert

刀片材質 Insert material	主要切削用途 鑄鐵cast iron
MP37 NL92	不銹鋼stainless steel 合金鋼alloy steel

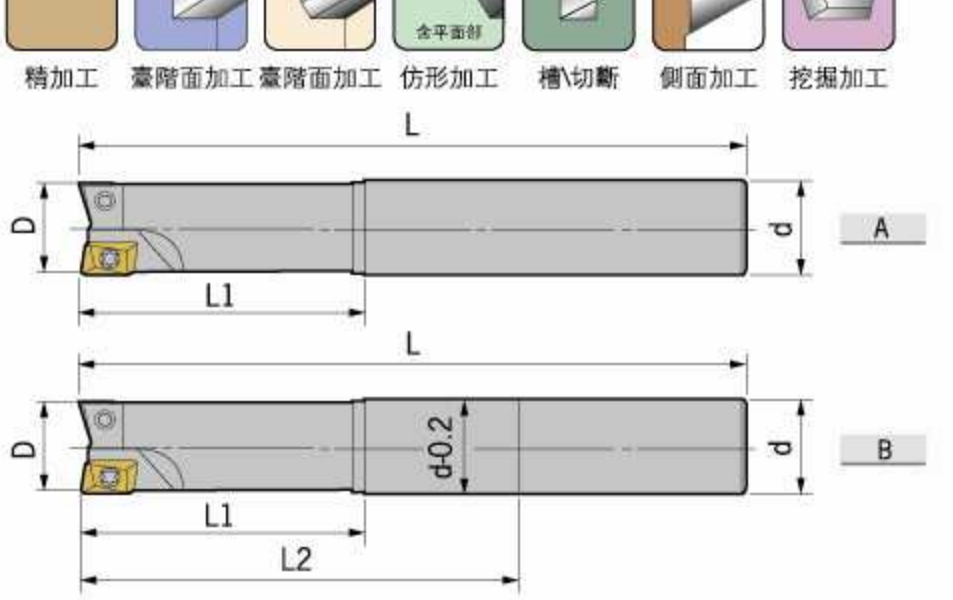
ASL Cutter for Drilling And Milling

ASL鑽銑共用型銑刀(短刃型)









型號 Specification		刃數 Teeth	圖示 Figure	D	d	L1	L2	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
ASL-	C20-20-160-2T	2	A	20	20	35	-	160	ACMT100308R	M025W060	Q08B	0.35
	C20-20-200-2T	2	B	20	20	35	100	200	ADMT100308L	M025W060	Q08B	0.45
	C25-25-150-2T	2	A	25	25	40	-	150	APMT12T308R ADMT12T308L	M030Y070-2	Q10R	0.55
	C25-25-200-2T	2	B	25	25	40	100	200		M030Y070-2	Q10R	0.75
	C25-25-250-2T	2	B	25	25	40	115	250		M030Y070-2	Q10R	0.95
	C32-32-160-2T	2	A	32	32	50	-	160	APMT150408R	M040S080-1	Q15B	0.90
	C32-32-200-2T	2	B	32	32	50	100	200	APMT160408L	M040S080-1	Q15B	1.25

適用 Suitable:德克、日立刀片 DEREK Or HITACHI Insert

特 點 / Feature

■從盲孔直式鑽或橫式切削。
■底刃刀片角度較大，加工阻力輕。

■Drilling in the vertically difeetion or cutting in the horizontal direction.
■With a big cutting angle of insert,and a low cutting resistance .

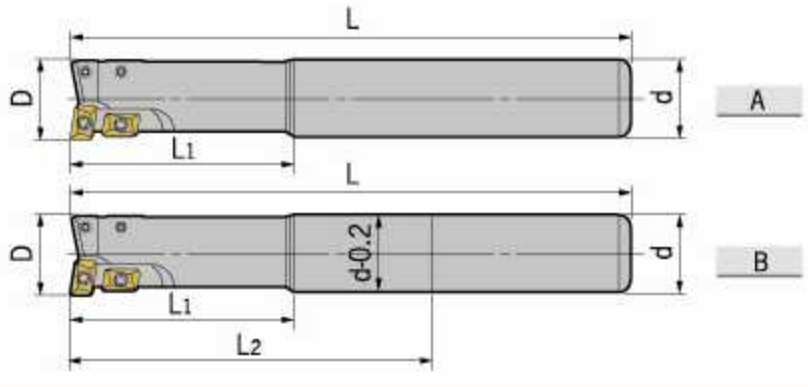
ASJ Cutter For Drilling And Milling

ASJ鑽銑共用型銑刀(短刃型)









型號 Specification	橫刃 Cross	豎刃 Vertical	圖示 Figure	D	d	L_1	L_2	L	橫刀片 Cross insert	豎刀片 Vertical insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
ASJ- C20-20-160-4T	1	3	A	20	20	35	-	160	ADMT100308L	ACMT100308R	M025W060	Q08B	0.35
C20-20-200-4T	1	3	B	20	20	35	100	200	ADMT100308L	ACMT100308R	M025W060	Q08B	0.45
C25-25-160-4T	1	3	A	25	25	40	-	160	ADMT12T308L	APMT12T308R	M030Y070-2	Q10R	0.55
C25-25-200-4T	1	3	B	25	25	40	100	200	ADMT12T308L	APMT12T308R	M030Y070-2	Q10R	0.75
C25-25-250-4T	1	3	B	25	25	40	115	250	ADMT12T308L	APMT12T308R	M030Y070-2	Q10R	0.95
C25-25-300-4T	1	3	B	25	25	40	165	300	ADMT12T308L	APMT12T308R	M030Y070-2	Q10R	1.15
C32-32-160-4T	1	3	A	32	32	50	-	160	APMT160408L	APMT150408R	M040S080-1	Q15B	0.90
C32-32-200-4T	1	3	B	32	32	50	100	200	APMT160408L	APMT150408R	M040S080-1	Q15B	1.25
C32-32-250-4T	1	3	B	32	32	50	115	250	APMT160408L	APMT150408R	M040S080-1	Q15B	1.55
C32-32-300-4T	1	3	B	32	32	50	165	300	APMT160408L	APMT150408R	M040S080-1	Q15B	1.85
C32-32-350-4T	1	3	B	32	32	50	165	350	APMT160408L	APMT150408R	M040S080-1	Q15B	2.20
C32-35-160-4T	1	3	A	35	32	50	-	160	APMT170408L	APMT150408R	M040S080-1	Q15B	1.00
C32-35-200-4T	1	3	A	35	32	50	-	200	APMT170408L	APMT150408R	M040S080-1	Q15B	1.25
C32-35-250-4T	1	3	A	35	32	50	-	250	APMT170408L	APMT150408R	M040S080-1	Q15B	1.60
C32-35-300-4T	1	3	A	35	32	50	-	300	APMT170408L	APMT150408R	M040S080-1	Q15B	1.90

適用 Suitable:德克、日立刀片 DEREK Or HITACHI Insert

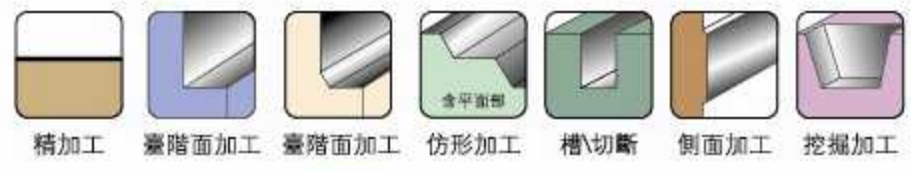
特 點 / Feature

■從盲孔直式鑽或横式切削。 ■底刃刀片角度較大，加工阻力輕。 ■刀片爲四刃，可做深粗銑加工。
■Drilling on the plate vertically or cutting horizontally. ■Low cutting resistance. ■For deep roughing.

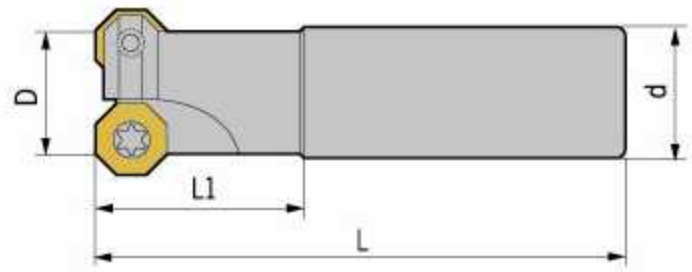
SKM High-speed Milling Cutter

SKM高速面銑刀









型號 Specification	刃數 Teeth	D	d	L_1	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
SKM- C20-25-120-2T	2	25	20	40	120	ODMT040408	M040R100-2	Q15B	0.30
C25-25-120-2T	2	25	25	40	120	ODMT040408	M040R100-2	Q15B	0.40
C25-32-120-3T	3	32	25	40	120	ODMT040408	M040R100-2	Q15B	0.50
C32-32-120-3T	3	32	32	40	120	ODMT040408	M040R100-2	Q15B	0.65
C32-40-120-4T	4	40	32	50	120	ODMT040408	M040R100-2	Q15B	0.85

適用 Suitable:施特拉姆 STELLRAM Insert

特 點 / Feature

■刀片設計爲八面，使用經濟高效，也可當倒角用。
■For inserts with eight cutting edges, high cost effectiveness,can be use for chamfering.

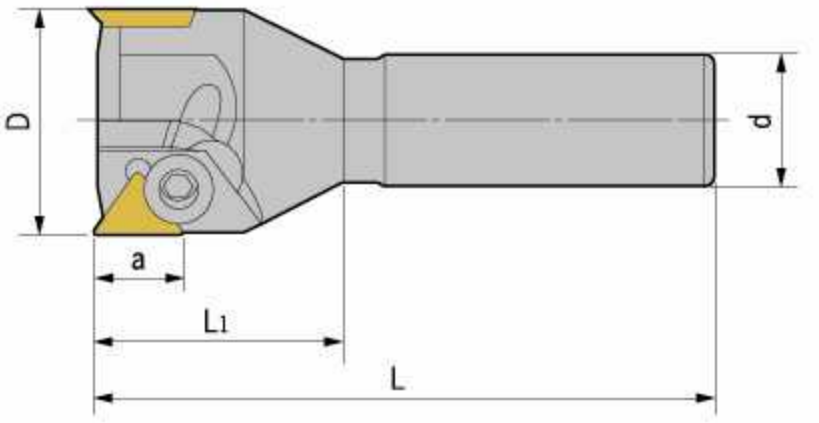
TP Shoulder Milling Cutter

TP捨弃式直角銑刀









型號 Specification	刃數 Teeth	D	d	a	L1	L	刀片型號 Insert	傘形壓板 Umbrella clamp	扳手 Wrench	重量 Weight
TP-C20-20-90-2T	2	20	20	9	30	90	TPMN110304	M050H080-TP	L03G	0.20
C20-25-100-2T	2	25	20	9	30	100	TPMN110304	M050H080-TP	L03G	0.24
C20-32-130-2T	2	32	20	14	40	130	TPMN160308	M060H120-TP	L04D	0.30
C20-35-130-2T	2	35	20	14	40	130	TPMN160308	M060H120-TP	L04D	0.37
C20-35-160-2T	2	35	20	14	40	160	TPMN160308	M060H120-TP	L04D	0.45
C20-35-200-2T	2	35	20	14	40	200	TPMN160308	M060H120-TP	L04D	0.55
C25-35-160-2T	2	35	25	14	40	160	TPMN160308	M060H120-TP	L04D	0.60
C25-35-200-2T	2	35	25	14	40	200	TPMN160308	M060H120-TP	L04D	0.80
C32-35-110-2T	2	35	32	14	40	110	TPMN160308	M060H120-TP	L04D	0.65
C32-35-160-2T	2	35	32	14	40	160	TPMN160308	M060H120-TP	L04D	0.95
C32-35-200-2T	2	35	32	14	40	200	TPMN160308	M060H120-TP	L04D	1.18
C20-40-160-3T	3	40	20	14	40	160	TPMN160308	M060H120-TP	L04D	0.46
C25-40-130-3T	3	40	25	14	40	130	TPMN160308	M060H120-TP	L04D	0.60
C25-40-160-3T	3	40	25	14	40	160	TPMN160308	M060H120-TP	L04D	0.80
C25-40-200-3T	3	40	25	14	40	200	TPMN160308	M060H120-TP	L04D	1.00
C32-40-115-3T	3	40	32	14	40	115	TPMN160308	M060H120-TP	L04D	0.72
C32-40-160-3T	3	40	32	14	40	160	TPMN160308	M060H120-TP	L04D	0.96
C32-40-200-3T	3	40	32	14	40	200	TPMN160308	M060H120-TP	L04D	1.21
C20-50-160-3T	3	50	20	14	40	160	TPMN160308	M060H120-TP	L04D	0.60
C25-50-160-3T	3	50	25	14	40	160	TPMN160308	M060H120-TP	L04D	0.79
C25-50-200-3T	3	50	25	14	40	200	TPMN160308	M060H120-TP	L04D	0.98
C32-50-160-3T	3	50	32	14	40	160	TPMN160308	M060H120-TP	L04D	1.09
C32-50-200-3T	3	50	32	14	40	200	TPMN160308	M060H120-TP	L04D	1.31
C20-63-160-3T	3	63	20	20	40	160	TPMN220412	M080H160-TP	L05D	0.70
C25-63-160-3T	3	63	25	20	40	160	TPMN220412	M080H160-TP	L05D	0.85
C32-63-160-3T	3	63	32	20	40	160	TPMN220412	M080H160-TP	L05D	1.22
C32-63-200-3T	3	63	32	20	45	200	TPMN220412	M080H160-TP	L05D	1.65

適用 Suitable:三菱刀片 MITSUBISHI Insert

特 點 / Feature

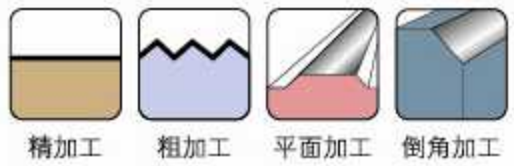
■有效加工模具底部，加工便利。
■用于溝切削，直角肩型切削。
■隅角90度。

■For machining the bottom of die and moulds.
■Slotting and square shoulder cutting.
■Cutting angle:90°.

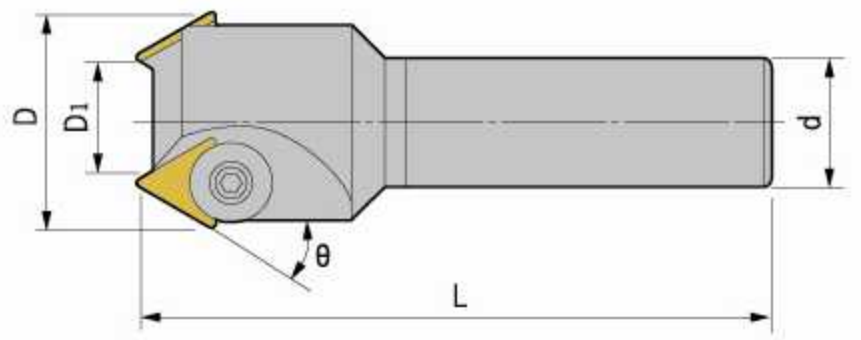
TP30,45,60 Chamfering Cutter

TP30度,45度,60度直柄型倒角刀









型號 Specification		刃數 Teeth	D	D1	d	L	θ	刀片型號 Insert	傘形壓板 Umbrella clamp	扳手 Wrench	重量 Weight
TP60-	C25-40-120-2T	2	37.7	15.8	25	120	60	TPMN1603	M060H080-TP	L04D	0.55
TP45-	C20-20-120-1T	1	20.4	4	20	120	45	TPMN1603	M060H080-TP	L04D	0.27
	C20-32-120-2T	2	30.2	12	20	120	45	TPMN1603	M060H080-TP	L04D	0.32
	C25-50-160-3T	3	49	24	25	160	45	TPMN2204	M080H120-TP	L05D	0.65
TP30-	C25-40-120-2T	2	39	26	25	120	30	TPMN1603	M060H080-TP	L04D	0.53
	C32-55-160-3T	3	54.5	36	32	160	30	TPMN2204	M080H120-TP	L05D	0.98

適用 Suitable:三菱刀片 MITSUBISHI Insert

特 點 / Feature

■本刀可30度,45度,60度切削，亦可做倒角。
■適合一般銑床，綜合切削中心機。

■For chamfering with different angles of 30°,45°and 60°.
■For general milling machine and machine center.

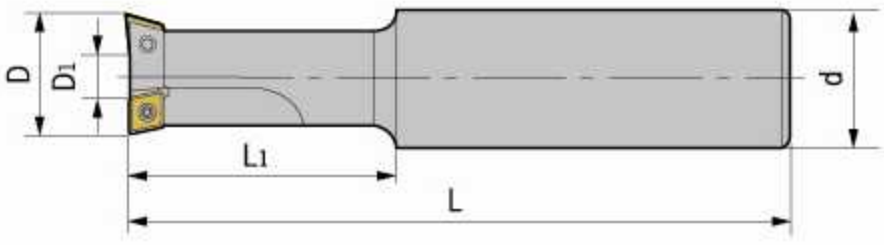
CH Indexable Cutter For Pocketing

CH螺絲沉頭孔銑刀









型號 Specification		刃數 Teeth	適用範圍 For	D	D1	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	扳手 Wrench	重量 Weight
CH-	C25-14-M8-1T	1	M8	14	2.9	25	21	108	CCMT060204	M025W060	Q08B	0.32
	C25-17.5-M10-2T	2	M10	17.5	5.3	25	26	115	CCMT060204	M025W060	Q08B	0.34
	C25-20-M12-2T	2	M12	20	7.8	25	30	120	CCMT060204	M025W060	Q08B	0.35
	C25-23-M14-2T	2	M14	23	10.8	25	34.5	126	CCMT060204	M025W060	Q08B	0.40
	C32-26-M16-2T	2	M16	26	8.5	32	39	132	CPMT090308	M035R080-1	Q15B	0.50
	C32-29-M18-2T	2	M18	29	11.5	32	43.5	138	CPMT090308	M035R080-1	Q15B	0.65
	C32-32-M20-2T	2	M20	32	14.5	32	59	144	CPMT090308	M035R080-1	Q15B	0.87

適用 Suitable:德克、日立刀片 DEREK Or HITACHI Insert

特 點 / Feature

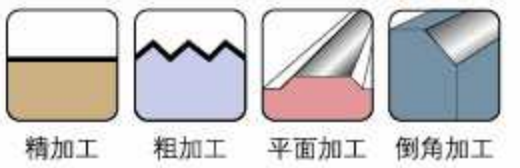
■把傳統的鑽孔與沉頭加工結合于一體，一次加工完成，大幅提高螺絲沉頭孔的加工效率。
■For drilling and counter -sink machining.Best choice for the machining the head of socket screws.

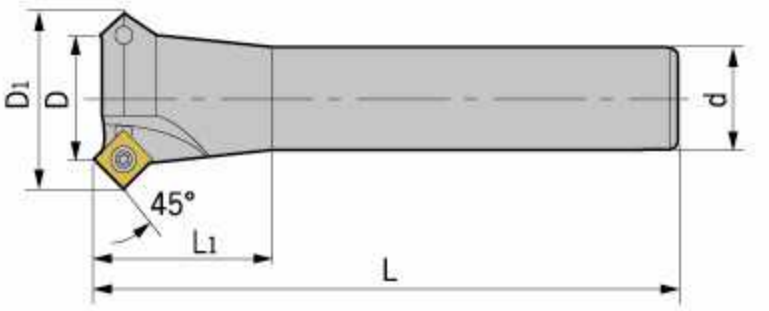
EM45° Internal And External Chamfering Cutter

EM45度内外倒角刀









型號 Specification	刃數 Teeth	D	D1	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
EM45-C3/4-25-110-2T	2	25	38	19.05	45	110	SPMW090304	M040S100-1	Q15B	0.26
C20-25-110-2T	2	25	38	20	45	110	SPMW090304	M040S100-1	Q15B	0.40
C25-25-150-2T	2	25	38	25	45	150	SPMW090304	M040S100-1	Q15B	0.55
C25-30-150-2T	2	30	43	25	45	150	SPMW090304	M040S100-1	Q15B	0.59
適用 Suitable:三菱刀片 MITSUBISHI Insert										

特 點 / Feature

■高剛性設計，適合大切削。
■用于切槽，倒角加工，平面銑削。
■刀片形狀爲正方形，使用時可轉位四次，更經濟。

■For high-feed cutting with a high rigidity.
■For slot cutting,chamfering and face milling.
■For inserts with four cutting edges.

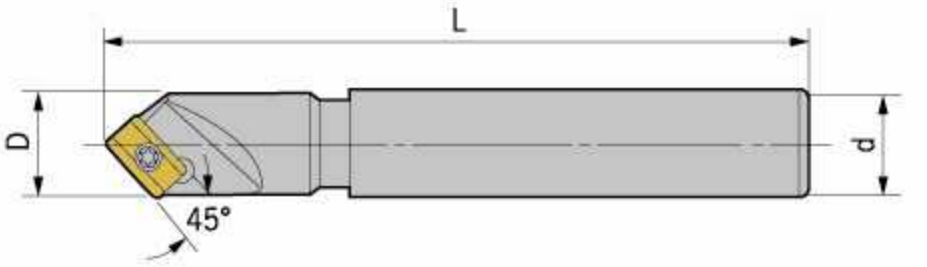
SSK45° Chamfering Cutter

SSK45度捨弃式倒角刀









型號 Specification	刃數 Teeth	D	d	L	倒角範圍 Chamfering range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
SSK- C20-22-130-1T	1	22	20	130	3-20	ADNT160308	M040S080	Q15B	0.30
適用 Suitable:日立刀片 HITACHI Insert									

特 點 / Feature

■本銑刀可45度切削，亦可做倒角。
■適合一般銑床，綜合切削中心機。

■Milling with an angle of 45° ,and chamfering.
■For general milling machine and machine center.

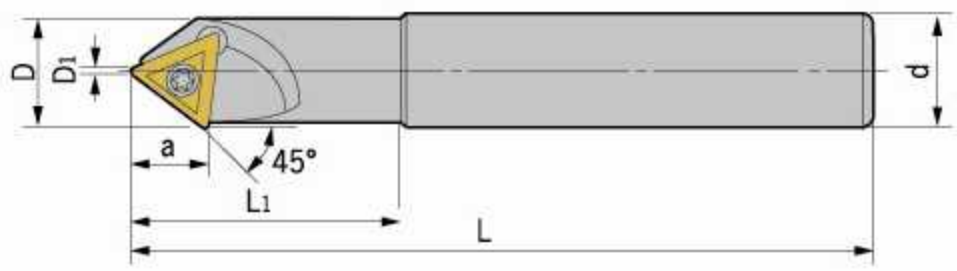
SSP45° Cutter For Centering And Chamfering

SSP45度定位倒角刀









型號 Specification	刃數 Teeth	D	D1	d	a	L1	L	倒角範圍 Chamfering range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
SSP-C20-20-130-1T	1	20	0	20	11.3	20	130	0-20	TCMX16T308	M040R090	Q15B	0.28
適用 Suitable:施特拉姆刀片 STELLRAM Insert												

特 點 / Feature

■本銑刀可45度切削，亦可做倒角，V槽切削，可中心定位鑽使用。
■適合一般銑床，CNC銑床，CNC車床，鑽床倒角。
■Milling with an angle of 45°,chamfering,V-slot cutting and centering.
■For milling machine, CNC milling machine, CNC turning machine and drilling machine.

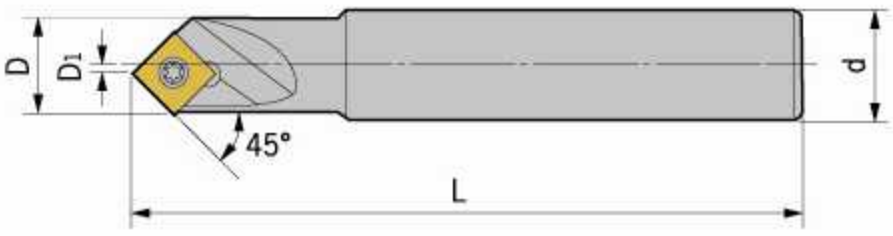
SB Chamfering Cutter

SB新型倒角刀









型號 Specification	刃數 Teeth	D	D1	d	L	倒角範圍 Chamfering range	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
SB-C16-16-100-1T	1	16	1.5	16	100	6.5-16	SPMW090304	M040S080-1	Q15B	0.15
適用 Suitable:三菱刀片 MITSUBISHI Insert										

特 點 / Feature

■每個刀片具有四個刀刃，經濟耐用。
■倒角，切端面槽。
■Four cutting edges on each insert,with high cost effectiveness.
■Chamfering.

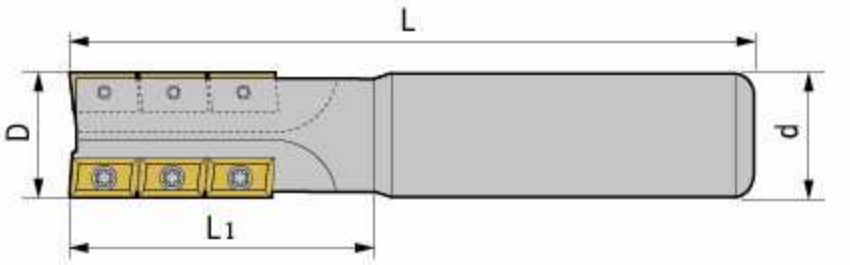
APE Shell Mill For Roughing

APE粗切削端銑刀

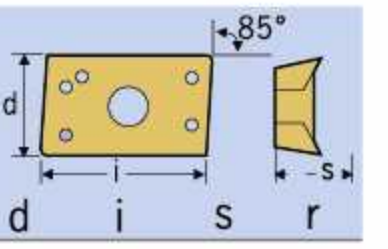








型號 Specification		刃數 Teeth	刀片數 Teeth	D	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench
APE-	C20-20-110-2T	2	5	20	20	28	110	APKT1003	M025W060	Q08B
	C25-25-150-2T	2	8	25	25	37	150	APKT1003	M025W060	Q08B
	C32-32-150-3T	3	15	32	32	46	150	APKT1003	M025W060	Q08B
適用 Suitable:施特拉姆刀片 STELLRAM Insert										



型號 Specification	刀片材質 Insert material	主要切削用途 Cutting material				
APKT1003PDER	SK15	鑄鐵Cast iron 鋁合金Aluminum&alloys				
APKT1003PDER-47 APKT1003PDER-M01	MP91M,SP6564PTE25	鈦合金Titanum alloy 不銹鋼Stainless steel 合金鋼Alloy steel 高温合金Refractory alloy	6.73	10.54	3.18	-
APKTPDRJ-3M	GH1	鋁合金Aluminum &Alloys				

特 點 / Feature

■高剛性設計，適合大切削。 ■High ragidity design, suited for large cutting.

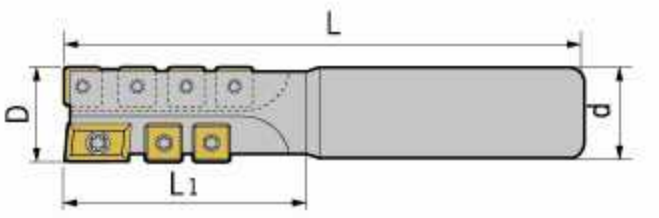
SPE Shell Mill For Roughing

SPE粗切削端銑刀









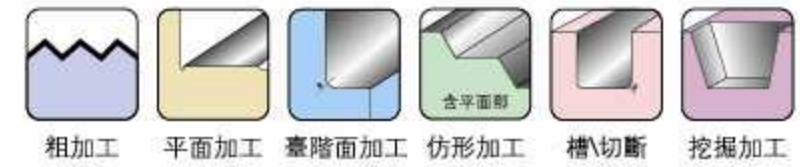
型號 Specification		刃數 Teeth	D	d	L1	L	T	刀片型號 Insert			刀片螺釘 Insert screw	旗形扳手 Wrench
								15 3.18 9.52	T	9.52 3.18		
SPE-	C42-40-180-2T	2	40	42	56	180	1	LPMT1504	5	SPMT1204	M050Y110	Q20B
	C32-40-150-4T	4	40	32	50	150	2	P27215-3	12	SDMT090308	M040R090	Q15B
	C42-50-200-4T	4	50	42	77	200	2	LPMT1504	14	SPMT1204	M050Y110	Q20B
	C42-50-200-4T	4	50	42	97	200	2	LPMT1504	18	SPMT1204	M050Y110	Q20B
	C42-50-250-4T	4	50	42	158	250	2	LPMT1504	30	SPMT1204	M050Y110	Q20B
	C42-50-200-3T	3	50	42	75	200	-	-	21	SPMT1204	M050Y110	Q20B
適用 SUITABLE:ISO刀片 ISO Insert												

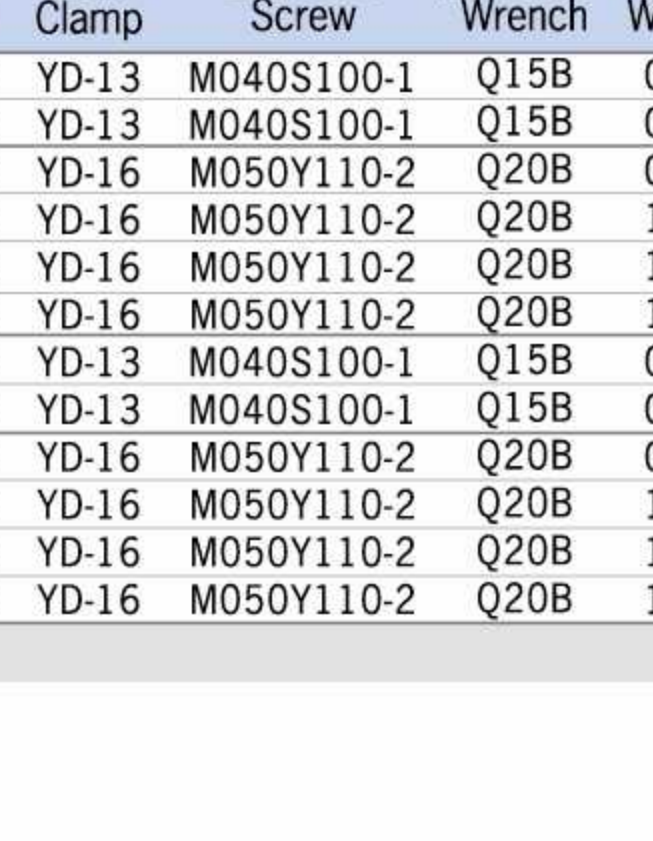

DEREK
DEREK

AJX High-feed Face Mill

AJX大進給面銑刀頭









型號 Specification	刃數 Teeth	D	d	a	H	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
AJX-12-50-22-4T	4	50	22	2	50	JDMW120420	M040R100-2	YD-13	M040S100-1	Q15B	0.40
12-63-22-4T	4	63	22	2	50	JDMW120420	M040R100-2	YD-13	M040S100-1	Q15B	0.75
14-63-22-4T	4	63	22	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	0.75
14-80-27-4T	4	80	27	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.00
14-80-27-5T	5	80	27	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.00
14-100-32-5T	5	100	32	2	63	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.25
12-50-25.4-4T	4	50	25.4	2	50	JDMW120420	M040R100-2	YD-13	M040S100-1	Q15B	0.40
12-63-25.4-4T	4	63	25.4	2	50	JDMW120420	M040R100-2	YD-13	M040S100-1	Q15B	0.75
14-63-25.4-4T	4	63	25.4	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	0.75
14-80-25.4-4T	4	80	25.4	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.00
14-80-25.4-5T	5	80	25.4	2	50	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.00
14-100-31.75-5T	5	100	31.75	2	63	JDMW140520	M050Y120-2	YD-16	M050Y110-2	Q20B	1.20
適用 Suitable:三菱刀片 MITSUBISHI Insert											

特 點 / Feature

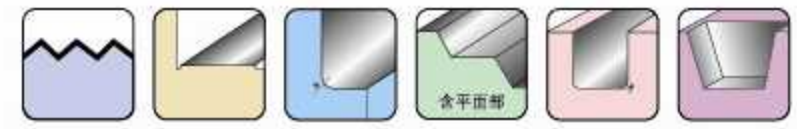
■最適合大進給切削。
■采用錐型設計，抗彎鋼性極高。

■For high-feed cutting.
■Taper–off design minimizes interference and maximizes rigidity.

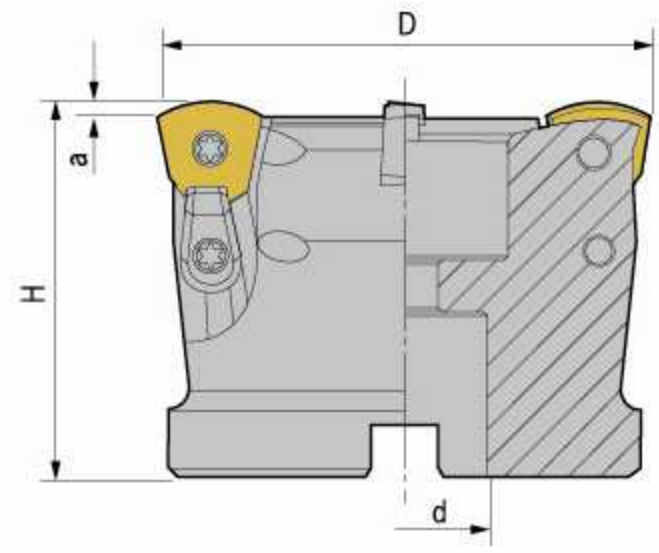
TXP High-feed Face Mill

TXP大進給面銑刀頭









型號 Specification		刃數 Teeth	D	d	a	H	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
TXP-	50-22-4T	4	50	22	1.5	50	WPMW06X415ZPR	M040S100-1	YD-13	M040S100-1	Q15B	0.40
	63-22-4T	4	63	22	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	0.65
	80-27-4T	4	80	27	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.00
	80-27-5T	5	80	27	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.00
	100-32-6T	6	100	32	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.25
	63-25.4-4T	4	63	25.4	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	0.65
	80-25.4-4T	4	80	25.4	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.00
	80-25.4-5T	5	80	25.4	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.00
	100-31.75-6T	6	100	31.75	1.5	50	WPMT080615ZPR	M050Y120-1	YD-16	M050Y110-2	Q20B	1.20

適用 Suitable:德克、東芝刀片 DEREK Or TUNGALOY Insert

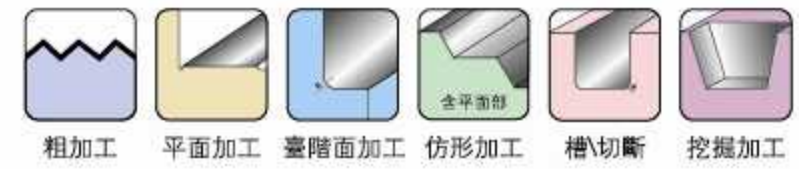
特 點 / Feature

■最適合大進給切削。
■采用錐型設計，抗彎鋼性極高。

■For high-feed cutting.
■Taper–off design minimizes interference and maximizes rigidity.

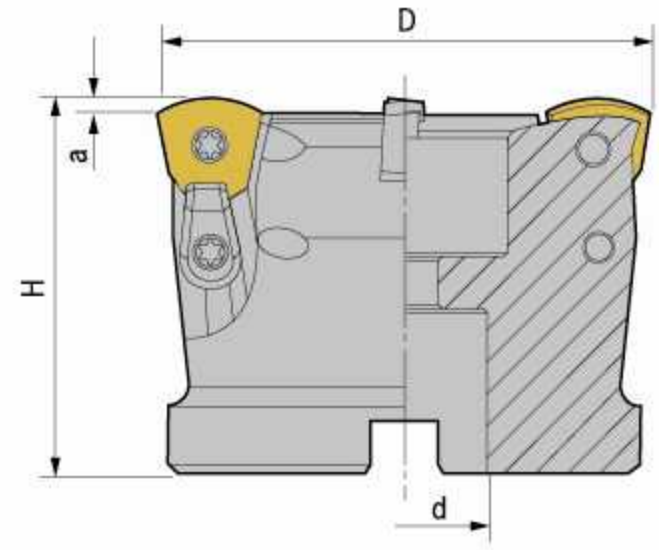
SKS High-feed Face Mill

SKS大進給面銑刀頭









型號 Specification		刃數 Teeth	D	d	a	H	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
SKS-	08-50-22-4T	4	50	22	2	50	WDMW080520ZTR WDMT080520ZER WDHW080520ZTR	M045Y110	YD-16	M045Y110	Q20B	0.40
	08-63-22-4T	4	63	22	2	50		M045Y110	YD-16	M045Y110	Q20B	0.65
	08-80-27-5T	5	80	27	2	50		M045Y110	YD-16	M045Y110	Q20B	1.00
	08-100-32-6T	6	100	32	2	55		M045Y110	YD-16	M045Y110	Q20B	1.25
	10-63-22-4T	4	63	22	2.5	50	WDMW10X620ZTR WDMT10X620ZER	M045Y110	YD-16	M045Y110	Q20B	0.65
	10-80-27-4T	4	80	27	2.5	50		M045Y110	YD-16	M045Y110	Q20B	1.00
	10-100-32-5T	5	100	32	2.5	55		M045Y110	YD-16	M045Y110	Q20B	1.25
	08-63-25.4-4T	4	63	25.4	2	50	WDMW080520ZTR WDMT080520ZER WDHW080520ZTR	M045Y110	YD-16	M045Y110	Q20B	0.65
	08-80-25.4-5T	5	80	25.4	2	50		M045Y110	YD-16	M045Y110	Q20B	1.00
	08-100-31.75-6T	6	100	31.75	2	55		M045Y110	YD-16	M045Y110	Q20B	1.20
	10-63-25.4-4T	4	63	25.4	2.5	50	WDMW10X620ZTR WDMT10X620ZER	M045Y110	YD-16	M045Y110	Q20B	0.65
	10-80-25.4-4T	4	80	25.4	2.5	50		M045Y110	YD-16	M045Y110	Q20B	1.00
	10-100-31.75-5T	5	100	31.75	2.5	55		M045Y110	YD-16	M045Y110	Q20B	1.20
適用 Suitable:黛杰刀片 DIJET Insert												

特 點 / Feature

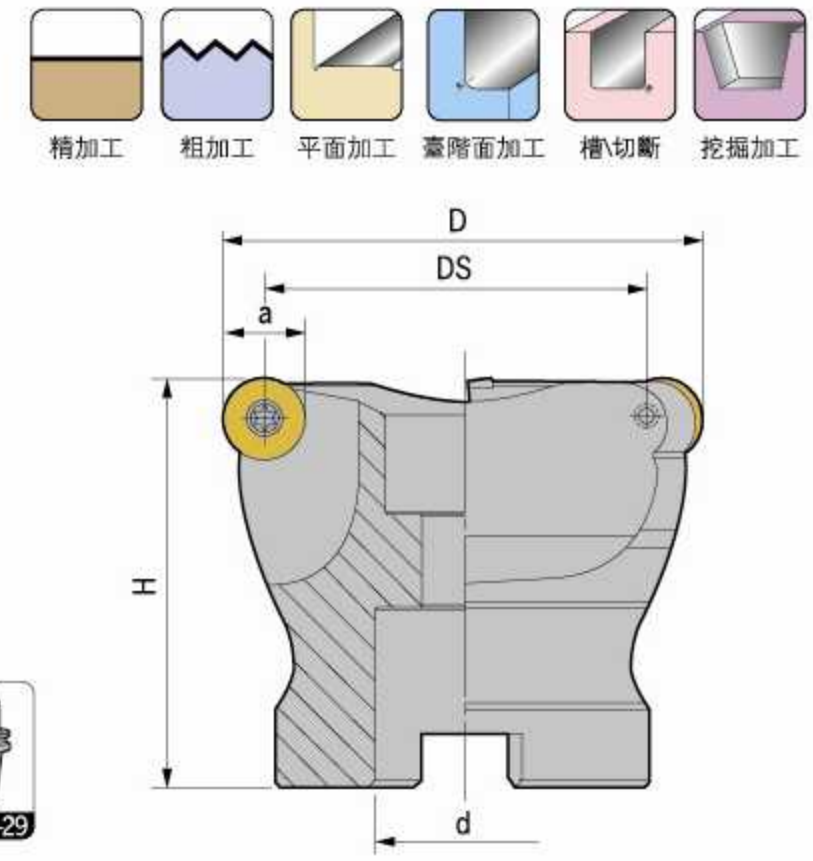
■最適合大進給切削。
■採用錐型設計，抗彎鋼性極高。

■Excellent for high-feed cutting.
■Taper–off design minimizes interference and maximizes rigidity.

JRC Face Milling Cutter For finishing

JRC圓刀刃平面銑刀頭







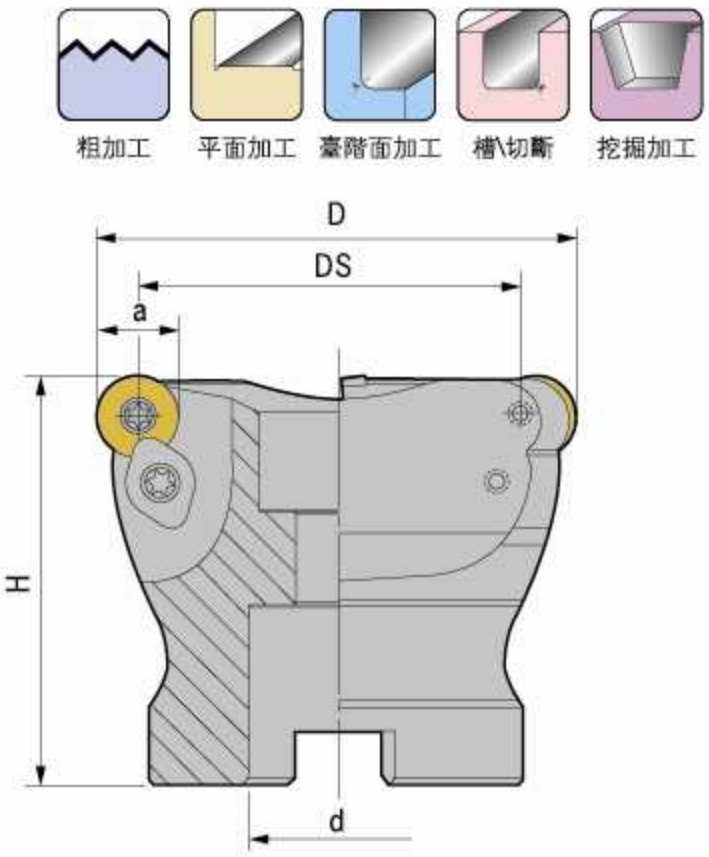
型號 Specification		刃數 Teeth	D	DS	d	H	a	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
JRC-	5R50-22-4T	4	50	40	22	50	10	RC*T10T3	M035T085	-	-	Q15B	0.35
	5R50-25.4-4T	4	50	40	25.4	50	10	RC*T10T3	M035T085	-	-	Q15B	0.35
	5R63-22-4T	4	63	53	22	50	10	RC*T10T3	M035T085	-	-	Q15B	0.55
	5R63-25.4-4T	4	63	53	25.4	50	10	RC*T10T3	M035T085	-	-	Q15B	0.55
	6R50-22-4T	4	50	38	22	50	12	RC*T1204	M035T085	-	-	Q15B	0.35
	6R50-22-P-4T	4	50	38	22	50	12	RC*T1204	M035T085	YD-14	M035T085	Q15B	0.35
	6R50-25.4-4T	4	50	38	25.4	50	12	RC*T1204	M035T085	-	-	Q15B	0.35
	6R63-22-4T	4	63	51	22	50	12	RC*T1204	M035T085	-	-	Q15B	0.55
	6R63-22-P-4T	4	63	51	22	50	12	RC*T1204	M035T085	YD-14	M035T085	Q15B	0.55
	6R63-25.4-4T	4	63	51	25.4	50	12	RC*T1204	M035T085	-	-	Q15B	0.55

適用 Suitable:德克、山特維克刀片 DEREK Or SANDVIK Insert

EMRW Face Milling With Round Inserts

EMRW圓刀刃平面銑刀頭





粗加工 平面加工 臺階面加工 槽\切斷 挖掘加工



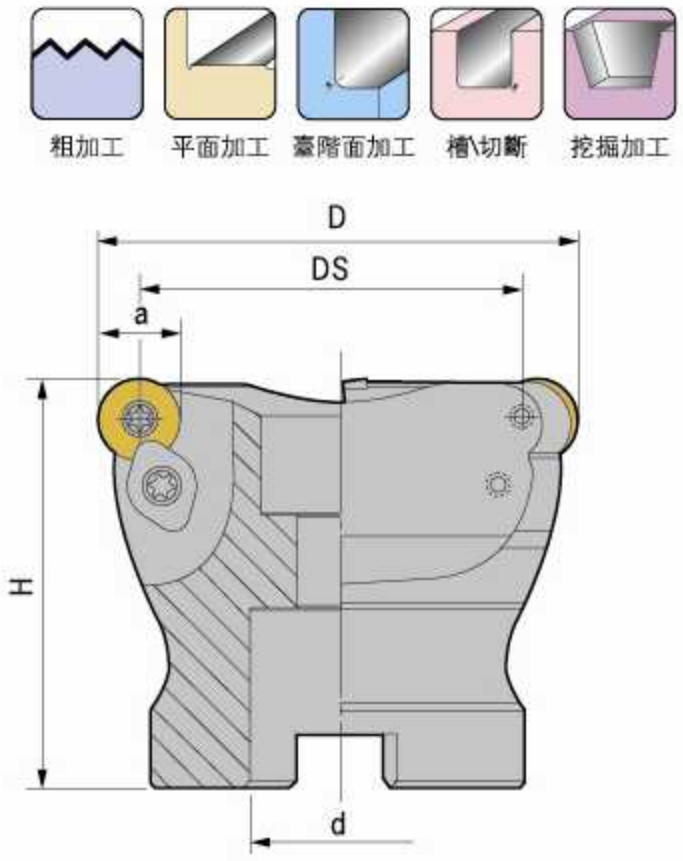
型號 Specification		刃數 Teeth	D	DS	d	H	a	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
EMRW-	5R50-22-4T	4	50	40	22	50	10	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.35
	5R50-25.4-4T	4	50	40	25.4	50	10	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.35
	5R63-22-4T	4	63	53	22	50	10	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.55
	5R63-22-5T	5	63	53	22	50	10	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.55
	5R63-25.4-4T	4	63	53	25.4	50	10	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.55
	5R63-25.4-5T	5	63	53	25.4	50	10	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.55
	5R80-27-5T	5	80	70	27	50	10	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.35
	5R80-27-6T	6	80	70	27	50	10	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.35
	5R100-32-5T	5	100	90	32	50	10	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.30
	5R100-32-6T	6	100	90	32	50	10	RPMW1003	M040S100-1	YS-43	M040S120	Q15B	0.30
	6R50-22-4T	4	50	38	22	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.50
	6R50-25.4-4T	4	50	38	25.4	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.50
	6R63-22-4T	4	63	51	22	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.75
	6R63-22-5T	5	63	51	22	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.75
	6R63-25.4-4T	4	63	51	25.4	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.75
	6R63-25.4-5T	5	63	51	25.4	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.75
	6R80-27-5T	5	80	68	27	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	1.05
	6R80-27-6T	6	80	68	27	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	1.05
	6R80-31.75-5T	5	80	68	31.75	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	0.95
	6R100-31.75-6T	6	100	88	31.75	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	1.20
	6R100-32-5T	5	100	88	32	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	1.25
	6R100-32-6T	6	100	88	32	50	12	RPMW1204	M040S100-1	YS-43	M040S120	Q15B	1.25

適用 Suitable:德克、三菱刀片 DEREK Or MITSUBISHI Insert

TRS Face Milling Cutter

TRS圓刀刃平面銑刀頭







型號 Specification		刃數 Teeth	D	DS	d	H	刀片型號 Insert	刀片螺釘 Insert screw	壓板 Clamp	壓板螺釘 Screw	旗形扳手 Wrench	重量 Weight
TRS-	5R50-22-4T	4	50	40	22	50	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.35
	5R50-25.4-4T	4	50	40	25.4	50	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.35
	5R63-22-5T	5	63	53	22	50	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.55
	5R63-25.4-4T	4	63	53	25.4	50	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.55
	5R63-25.4-5T	5	63	53	25.4	50	RDMT10T3	M040R090	YS-43	M040S120	Q15B	0.55
	6R50-22-4T	4	50	38	22	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.35
	6R50-25.4-4T	4	50	38	25.4	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.35
	6R63-22-4T	4	63	51	22	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.50
	6R63-22-5T	5	63	51	22	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.50
	6R63-25.4-4T	4	63	51	25.4	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.51
	6R63-25.4-5T	5	63	51	25.4	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.51
	6R80-27-6T	6	80	68	27	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	0.90
	6R100-32-6T	6	100	88	32	50	RDMT1204	M040R100-2	YS-43	M040S120	Q15B	1.20
	8R63-22-4T	4	63	47	22	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	0.50
	8R63-22-5T	5	63	47	22	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	0.50
	8R63-25.4-4T	4	63	47	25.4	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	0.50
	8R80-25.4-4T	4	80	64	25.4	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	1.15
	8R80-27-4T	4	80	64	27	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	0.85
	8R80-27-5T	5	80	64	27	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	0.85
	8R100-31.75-5T	5	100	84	31.75	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	1.20
	8R100-32-4T	4	100	84	32	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	1.25
	8R100-32-5T	5	100	84	32	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	1.25
	8R100-32-6T	6	100	84	32	50	RDMX1604	M050Y110-1	YS-52	M050Y110-2	Q20B	1.25

適用 Suitable:德克、日立刀片 DEREK Or HITACHI Insert

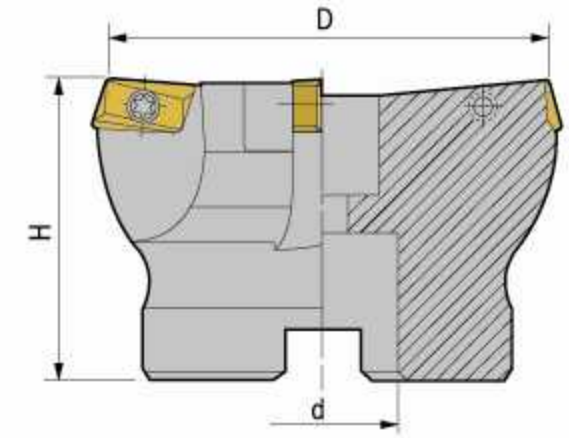
PE75° Face Milling Cutter

PE75度平面銑刀頭









型號 Specification	刃數 Teeth	D	d	H	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
PE- 63-22-4T	4	63	22	50	APMT1604	M040S100-1	Q15B	0.65
63-25.4-4T	4	63	25.4	50	APMT1604	M040S100-1	Q15B	0.70
80-27-5T	5	80	27	50	APMT1604	M040S100-1	Q15B	1.00
80-31.75-5T	5	80	31.75	50	APMT1604	M040S100-1	Q15B	1.25
100-32-5T	5	100	32	50	APMT1604	M040S100-1	Q15B	1.25
適用 Suitable:德克、三菱刀片 DEREK Or MITSUBISHI Insert								

特 點 / Feature

■裝400R系列使用後的報廢刀片，刀片損耗成本爲零。
■With scraped APMT1604 inserts,reducing tooling costs to zero.

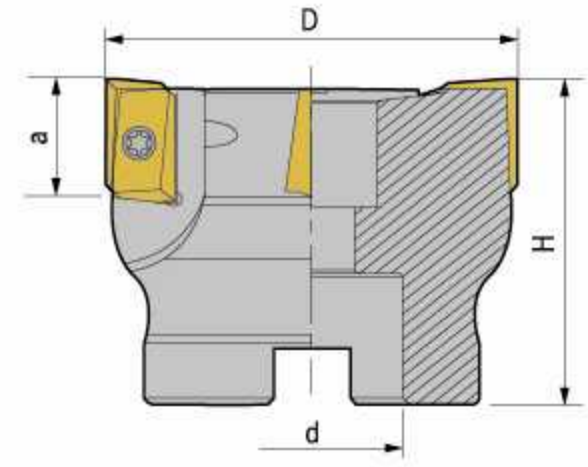
400R Square Face Mill

400R直角平面銑刀頭









型號 Specification	刃數 Teeth	D	d	a	H	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
400R- 50-22-4T	4	50	22	16	50	APMT1604	M040S100-1	Q15B	0.40
50-25.4-4T	4	50	25.4	16	50	APMT1604	M040S100-1	Q15B	0.40
63-22-4T	4	63	22	16	50	APMT1604	M040S100-1	Q15B	0.65
63-22-5T	5	63	22	16	50	APMT1604	M040S100-1	Q15B	0.65
63-25.4-4T	4	63	25.4	16	50	APMT1604	M040S100-1	Q15B	0.65
63-25.4-5T	5	63	25.4	16	50	APMT1604	M040S100-1	Q15B	0.65
80-25.4-6T	6	80	25.4	16	50	APMT1604	M040S100-1	Q15B	1.00
80-27-6T	6	80	27	16	50	APMT1604	M040S100-1	Q15B	1.00
100-31.75-6T	6	100	31.75	16	50	APMT1604	M040S100-1	Q15B	1.25
100-32-6T	6	100	32	16	50	APMT1604	M040S100-1	Q15B	1.25
125-38.1-8T	8	125	38.1	16	63	APMT1604	M040S100-1	Q15B	3.10
125-40-8T	8	125	40	16	63	APMT1604	M040S100-1	Q15B	3.10
160-40-8T	8	160	40	16	63	APMT1604	M040S100-1	Q15B	5.10
160-50.80-8T	8	160	50.8	16	63	APMT1604	M040S100-1	Q15B	4.80
適用 Suitable:德克、三菱刀片 DEREK Or MITSUBISHI Insert									

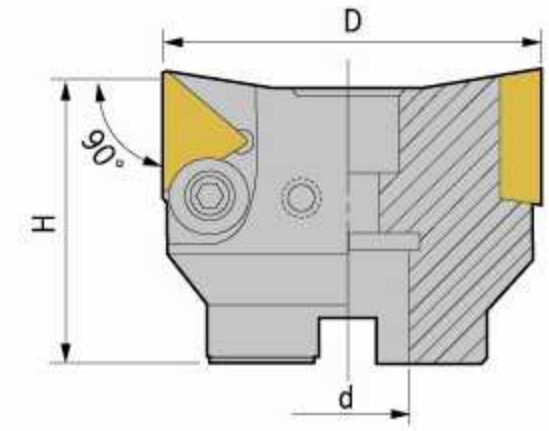
TP90° Square Face Mill Head

TP90度直角面銑刀頭









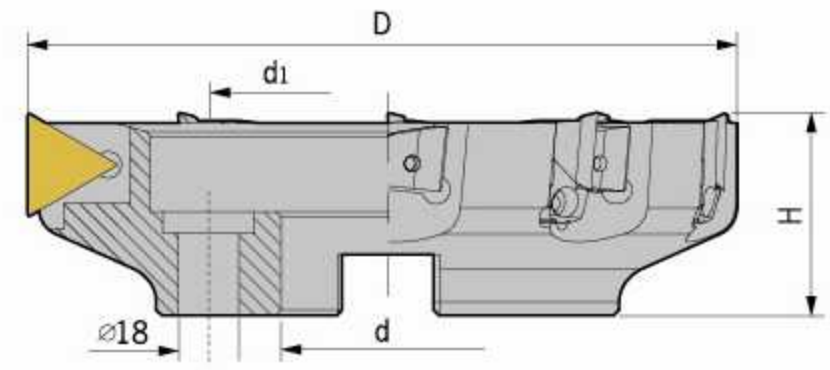
型號 Specification		刃數 Teeth	D	d	H	刀片型號 Insert	傘形壓板 Clamp	墊片 Washer	墊片螺釘 Screw	L型扳手 Key	重量 Weight
TP90-	50-22-3T	3	50	22	50	TPMN1603	M060H120-TP	-	-	L04D	0.40
	63-22-3T	3	63	22	50	TPMN2204	M080H160-TP	MT2204	M040S080-1	L05D	0.75
	80-27-4T	4	80	27	50	TPMN2204	M080H160-TP	MT2204	M040S080-1	L05D	1.00
	100-32-4T	4	100	32	50	TPMN2204	M080H160-TP	MT2204	M040S080-1	L05D	1.25
	125-40-6T	6	125	40	63	TPMN2204	M080H160-TP	MT2204	M040S080-1	L05D	2.70

適用 Suitable:三菱刀片 MITSUBISHI Insert









型號 Specification		刃數 Teeth	D	d	d1	H	重量 Weight
TP90-	160-50.8-8T	8	160	50.8	-	63	7.30
	200-47.625-10T	10	200	47.625	101.6	63	11.45
	250-47.625-12T	12	250	47.625	101.6	63	13.65
	300-47.625-14T	14	300	47.625	101.6	63	22.10

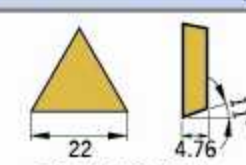
型號 Specification		刃數 Teeth	D	d	d1	H	重量 Weight
TP90-	160-40-8T	8	160	40	-	63	7.50
	200-60-10T	10	200	60	101.6	63	11.70
	250-60-12T	12	250	60	101.6	63	13.90
	300-60-14T	14	300	60	101.6	63	22.40

替換零件 Replacing fittings



E050U160　FC3050-TP2204-90　SV-128170-15-90　T04D

使用刀片規格 Insert specification



TPKN2204

注:祇要更換刀片座,同一個TP刀頭可重復利用。
NOTICE:Maximizes the service life of tool with changing the insert seat only.

特 點 / Feature

■銑削加工，小馬力銑床及M/C加工用。
■隅角90度。

■Use in low-powered milling machine and machining center.
■Cutting angle:90°.

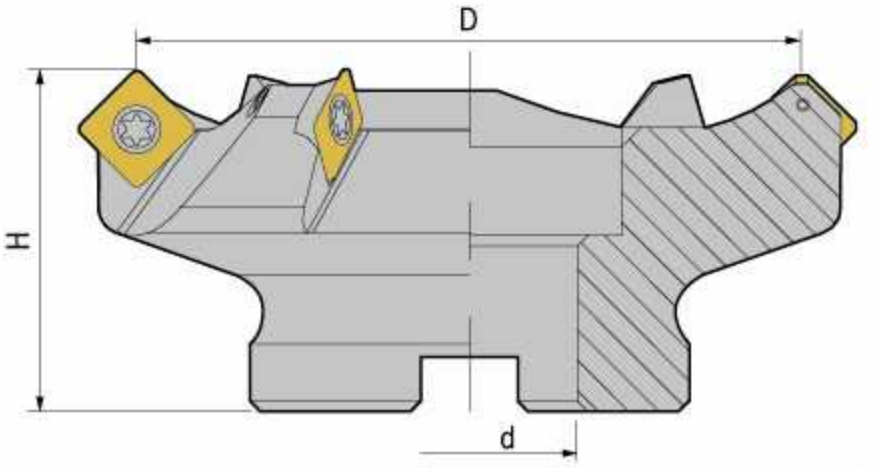
SE45° High-speed Face Mill

SE45度高速平面銑刀頭







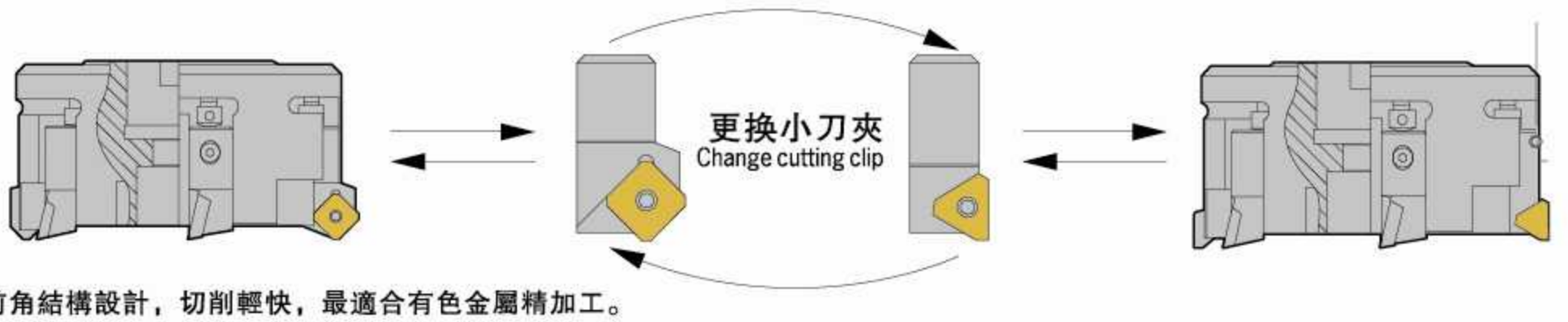


型號 Specification		刃數 Teeth	D	d	H	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench	重量 Weight
SE45-	50-22-4T	4	50	22	50	SEKT1204	M050Y110-2	Q20B	0.50
	63-22-5T	5	63	22	50	SEKT1204	M050Y110-2	Q20B	0.75
	63-25.4-5T	5	63	25.4	50	SEKT1204	M050Y110-2	Q20B	0.75
	80-27-5T	5	80	27	50	SEKT1204	M050Y110-2	Q20B	1.15
	80-31.75-5T	5	80	31.75	50	SEKT1204	M050Y110-2	Q20B	1.15
	100-31.75-6T	6	100	31.75	50	SEKT1204	M050Y110-2	Q20B	1.75
	100-32-6T	6	100	32	50	SEKT1204	M050Y110-2	Q20B	1.75
	125-38.1-6T	6	125	38.1	63	SEKT1204	M050Y110-2	Q20B	3.75
	125-40-6T	6	125	40	63	SEKT1204	M050Y110-2	Q20B	3.15
	160-40-6T	6	160	40	63	SEKT1204	M050Y110-2	Q20B	5.10
	160-50.8-6T	6	160	50.8	63	SEKT1204	M050Y110-2	Q20B	5.10
	200-60-8T	8	200	60	63	SEKT1204	M050Y110-2	Q20B	8.40

適用 Suitable:德克、施特拉姆或克洛依刀片 DEREK、STELLRAM Or KORLOY Insert

FM鋁合金平面銑刀頭

FM ALUMINUM ALLOY OF FACE MILL HEAD



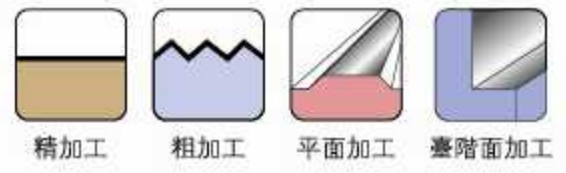
■大前角結構設計，切削輕快，最適合有色金屬精加工。
■刀片采用螺釘式壓緊結構，容屑空間大，排屑流暢。
■有動平衡調節結構。
■刀體采用輕合金材料，在滿足刀體强度時，刀具重量較輕，適合準高速銑削加工。
■45度主偏角和90度主偏角鋁合金面銑刀的基體相同，通過更换刀夹滿足不同主偏角加工的需要。
■可轉位鋁合金面銑刀也適用灰鑄鐵的精加工。

■The structural design is large anterior horn, easily for cutting, and well suited to the finish-cutting for nonferrous metals.
■The inserts use compress structure of screw-type, there will be larger chip space and more fluent chip removal.
■Having a dynamic balancing adjust structure.
■The light alloy materials are adopted, so the cutting tools feel light when the knife strength is satisfied, it is good for the quasi high speed milling process.
■Whether the main declination is 45° or 90°, the matrix of face milling of aluminum alloy is the same. It can meet the demands of different main declination by replacing tooling holder.
■Indexable aluminum alloy milling cutter is also suited to finish machining of the gray cast iron.

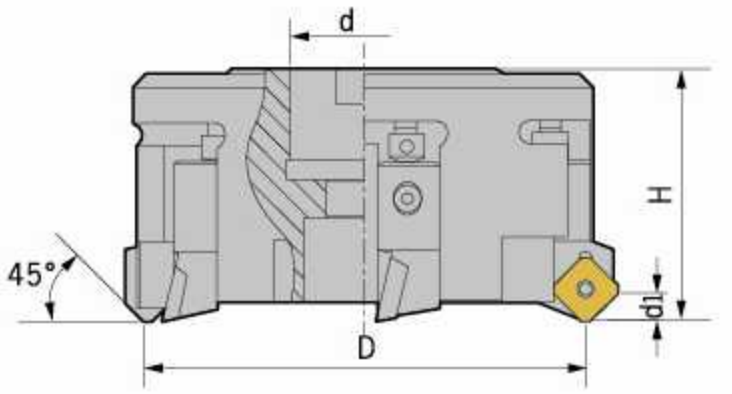
FM45° Aluminum Alloy Face Mill

FM45度鋁合金平面銑刀頭



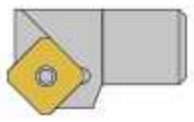






型號 Specification	刃數 Teeth	D	d	d_1	H	刀夾 Cutting clip	刀片 Insert	最高轉速 Highest speed	重量 Weight
FM45- 80-27-4T	4	80	27	6	63	SSSDR16CA-12AI	SEHT1204	6000	0.90
100-32-5T	5	100	32	6	63	SSSDR16CA-12AI	SEHT1204	4800	1.00
125-40-6T	6	125	40	6	63	SSSDR16CA-12AI	SEHT1204	3800	1.90
160-40-8T	8	160	40	6	63	SSSDR16CA-12AI	SEHT1204	3000	2.70
200-60-10T	10	200	60	6	63	SSSDR16CA-12AI	SEHT1204	2400	4.60
250-60-12T	12	250	60	6	63	SSSDR16CA-12AI	SEHT1204	2000	7.20
300-60-14T	14	300	60	6	63	SSSDR16CA-12AI	SEHT1204	400	10.20

替換零件 Replacing fittings accessories　　使用刀片規格 Insert specification


SSSDR16CA-12AI



E050U160



E040U100



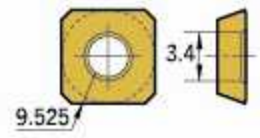
M050Y110



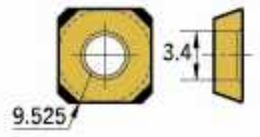
T04D



Q20B



SEHT1204

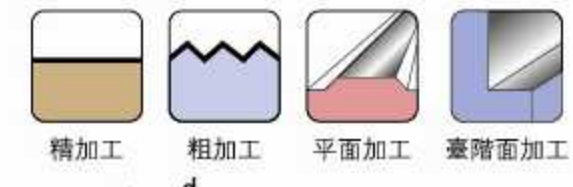


SEHT1204-PCD

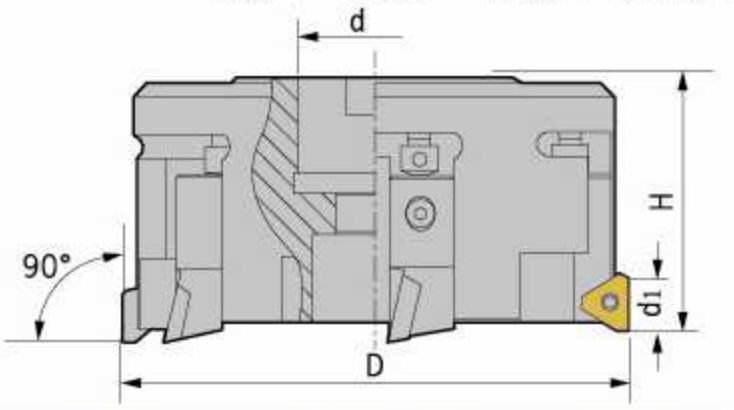
FM90° Face Milling Cutter (Aluminum Alloy)

FM90度鋁合金平面銑刀頭



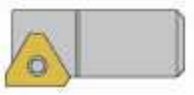






型號 Specification	刃數 Teeth	D	d	d_1	H	刀夾 Cutting clip	刀片 Insert	最高轉速 Highest speed	重量 Weight
FM90- 80-27-4T	4	80	27	6	63	STGER16CA-16AI	TP **16**	4000	0.90
100-32-5T	5	100	32	6	63	STGER16CA-16AI	TP **16**	3200	1.00
125-40-6T	6	125	40	6	63	STGER16CA-16AI	TP **16**	2500	1.90
160-40-8T	8	160	40	6	63	STGER16CA-16AI	TP **16**	2000	2.70
200-60-10T	10	200	60	6	63	STGER16CA-16AI	TP **16**	1600	4.60
250-60-12T	12	250	60	6	63	STGER16CA-16AI	TP **16**	1300	7.20
300-60-14T	14	300	60	6	63	STGER16CA-16AI	TP **16**	400	10.20

替換零件 Replacing fittings accessories　　使用刀片規格 Insert specification


STGER16CA-12AI



E050U160



E040U100



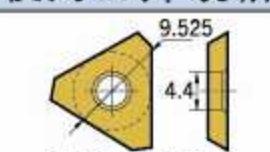
M050Y110



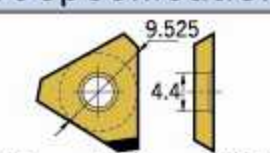
T04D



Q20B



TP **16**

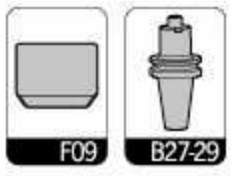


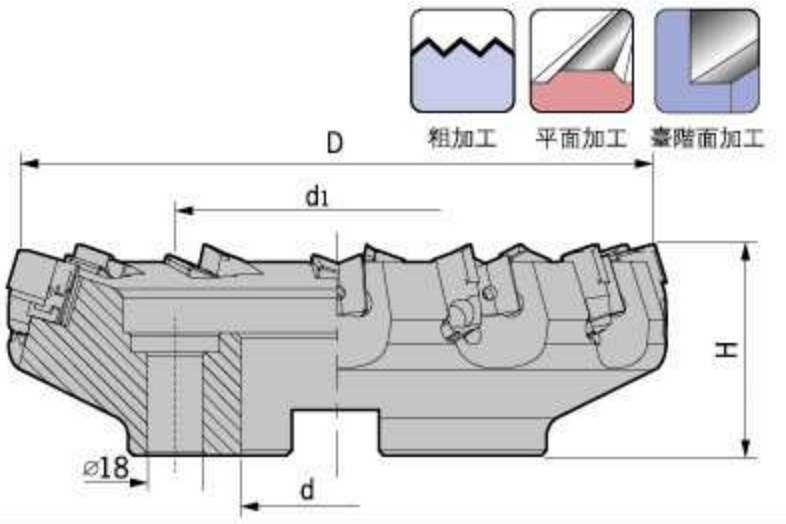
TP **16**-PCD

FP45° Face Mill Head

FP45度平面銑刀頭







型號 Specification		刃數 Teeth	D	d	d1	H	重量 Weight
FP45-	80-25.4-5T	5	80	25.4	-	50	1.90
	100-31.75-5T	5	100	31.75	-	50	2.40
	125-38.1-6T	6	125	38.1	-	63	5.50
	160-50.8-8T	8	160	50.8	-	63	7.30
	200-47.625-10T	10	200	47.625	101.6	63	11.45
	250-47.625-12T	12	250	47.625	101.6	63	18.15
	300-47.626-14T	14	300	47.625	101.6	63	22.10

型號 Specification		刃數 Teeth	D	d	d1	H	重量 Weight
FP45-	80-27-5T	5	80	27	-	50	2.05
	100-32-5T	5	100	32	-	50	2.55
	125-40-6T	6	125	40	-	63	5.70
	160-40-8T	8	160	40	-	63	7.50
	200-60-10T	10	200	60	101.6	63	11.70
	250-60-12T	12	250	60	101.6	63	18.35
	300-60-14T	14	300	60	101.6	63	22.40

替換零件 Replacing fittings accessories



E050U160 | FC2250-SE1203-45 FC2250-SE1504-45 | SV-128170-15-45 | T04B

使用 刀片 規格 Insert specification



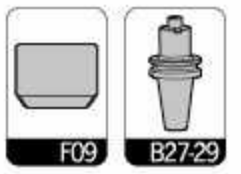
SEKN1203 | SEKN1504

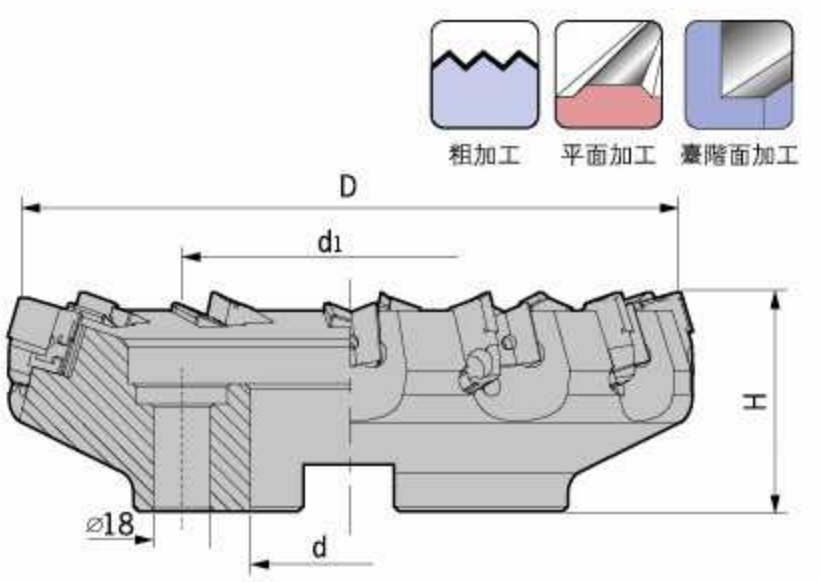
注:衹要更換刀片座,同一個FP規格刀頭可使用SEKN1203,SEKN1504二種刀片。
NOTICE:For two different inserts SEKN1203 and SEKN1504 with different inser seats.

FP75° Face Mill Head

FP75度平面銑刀頭



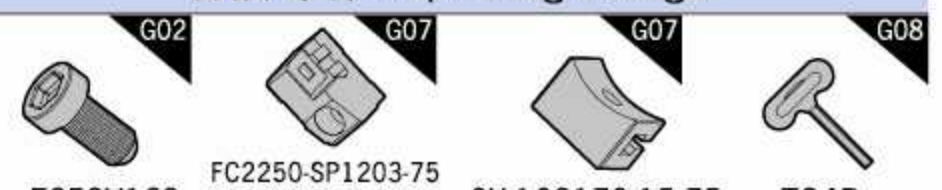




型號 Specification		刃數 Teeth	D	d	d1	H	重量 Weight
FP75-	80-25.4-5T	5	80	25.4	-	50	1.90
	100-31.75-6T	6	100	31.75	-	50	2.40
	125-38.1-8T	8	125	38.1	-	63	5.50
	160-50.8-10T	10	160	50.8	-	63	7.30
	200-47.625-12T	12	200	47.625	101.6	63	11.45
	250-47.625-14T	14	250	47.625	101.6	63	18.15
	300-47.625-16T	16	300	47.625	101.6	63	22.10

型號 Specification		刃數 Teeth	D	d	d1	H	重量 Weight
FP75-	80-27-5T	5	80	27	-	50	2.05
	100-32-6T	6	100	32	-	50	2.55
	125-40-8T	8	125	40	-	63	5.70
	160-40-10T	10	160	40	-	63	7.50
	200-60-12T	12	200	60	101.6	63	11.70
	250-60-14T	14	250	60	101.6	63	18.35
	300-60-16T	16	300	60	101.6	63	22.40

替換零件 Replacing fittings



E050U160 | FC2250-SP1203-75 FC2250-SP1504-75 | SV-128170-15-75 | T04B

使用 刀片 規格 Insert specification

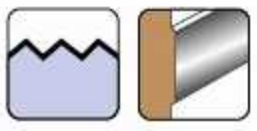


SPUN120308 | SPKN1504EDTR-20

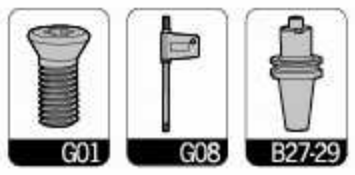
注:衹要更換刀片座,同一個FP規格刀頭可使用SPUN120308,SPKN1504EDTR-20二種刀片。
NOTICE:For two different inserts SEKN1203 and SEKN1504 with different inser seats.

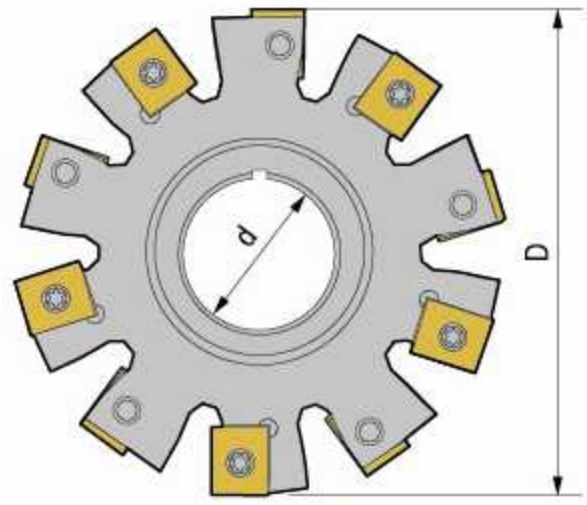
SDC Indexable Side Cutter For Slotting

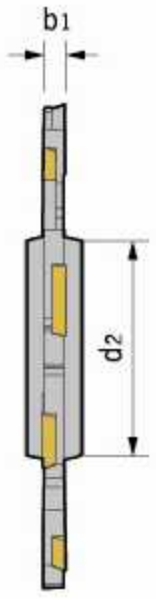
SDC捨弃式側銑刀











型號 Specification	刃數 Teeth	D	d	d_2	b_1	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench
SDC- 100 X 04	6 X 2	100	25.4 / 27	45	04	SNFX1102	SDC-M3X3.5	Q08B
100 X 05	6 X 2	100	25.4 / 27	45	05	SNFX1103	SDC-M3X4.3	Q08B
100 X 06	5 X 2	100	25.4 / 27	45	06	SNFX1203	SDC-M4X5.2	Q15B
100 X 07	3 X 3	100	25.4 / 27	45	07	SNFX1203	SDC-M4X5.2	Q15B
100 X 08	3 X 3	100	25.4 / 27	45	08	SNFX1203	SDC-M4X5.2	Q15B
100 X 10	5 X 2	100	25.4 / 27	45	10	SNFX1205	SDC-M4X8.2	Q15B
125 X 04	7 X 2	125	25.4 / 40	58	04	SNFX1102	SDC-M3X3.5	Q08B
125 X 05	7 X 2	125	25.4 / 40	58	05	SNFX1103	SDC-M3X4.3	Q08B
125 X 06	6 X 2	125	25.4 / 40	58	06	SNFX1203	SDC-M4X5.2	Q15B
125 X 07	4 X 3	125	25.4 / 40	58	07	SNFX1203	SDC-M4X5.2	Q15B
125 X 08	4 X 3	125	25.4 / 40	58	08	SNFX1203	SDC-M4X5.2	Q15B
125 X 09	6 X 2	125	25.4 / 40	58	09	SNFX1205	SDC-M4X8.2	Q15B
125 X 10	6 X 2	125	25.4 / 40	58	10	SNFX1205	SDC-M4X8.2	Q15B
160 X 04	9 X 2	160	25.4 / 40	68	04	SNFX1102	SDC-M3X3.5	Q08B
160 X 05	9 X 2	160	25.4 / 40	68	05	SNFX1103	SDC-M3X4.3	Q08B
160 X 06	8 X 2	160	25.4 / 40	68	06	SNFX1203	SDC-M4X5.2	Q15B
160 X 07	5 X 3	160	25.4 / 40	68	07	SNFX1203	SDC-M4X5.2	Q15B
160 X 08	5 X 3	160	25.4 / 40	68	08	SNFX1203	SDC-M4X5.2	Q15B
160 X 09	8 X 2	160	25.4 / 40	68	09	SNFX1205	SDC-M4X8.2	Q15B
160 X 10	8 X 2	160	25.4 / 40	68	10	SNFX1205	SDC-M4X8.2	Q15B

適用 Suitable:ISO刀片 ISO Insert

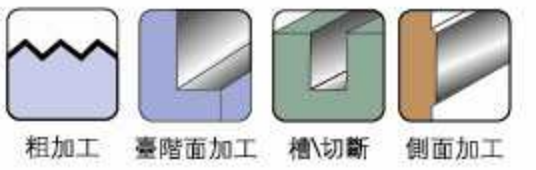
型號 Specification	圖示 Figure	切削用途 Cutting material	d_1	L	s
SNFX1102		合金鋼 Alloy steel	3.7	11	2.3
SNFX1103		不銹鋼 Stainless steel	3.7	11	2.7
SNFX1203		鑄鐵 Cast iron	5	12.7	3.18
SNFX1205		鋁合金 Aluminium & alloy	5	12.7	5.4

注：可定做其它安裝孔尺寸，刀體尺寸不同的側銑刀。
NOTICE：Special-size SDC tools are on request.

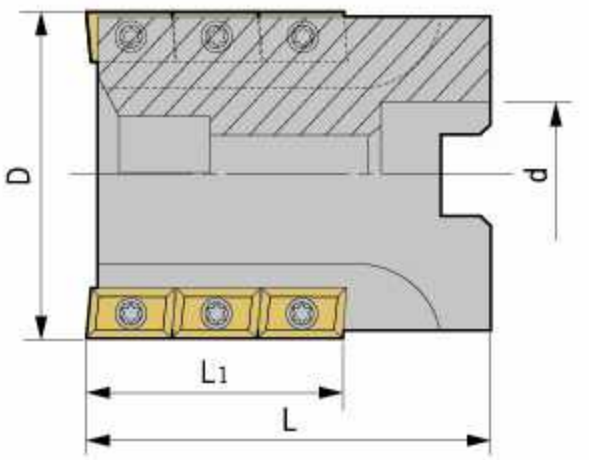
AMC Shell Mill For Roughing

AMC殼式粗切削端銑刀



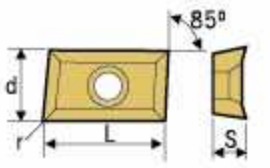
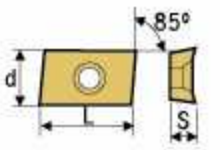
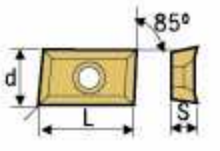






型號 Specification	刃數 Teeth	D	d	L1	L	刀片型號 Insert	刀片螺釘 Insert screw	旗形扳手 Wrench
AMC- 63-25.4	12	63	25.4	45	64	APKT1604	M040W100	Q15B
63-25.4	20	63	25.4	68	90	APKT1604	M040W100	Q15B
63-22	12	63	22	45	64	APKT1604	M040W100	Q15B
63-22	20	63	22	68	90	APKT1604	M040W100	Q15B

適用 Suitable:德克、施特拉姆刀片 DEREK Or STELLRAM Insert

型號 Specification	刀片材質 Insert material	主要切削用途 Cutting material	圖示 Figure
APKT160408A-2C	MP91M	不銹鋼 Stainless steel 合金鋼 Alloy steel 軟鋼 Mild steel 鑄鋼 Cast steel	 d 9.52 L 16.66 s 4.76 r 0.80
APEX1604PDFR-701	GH1-GH05	鋁合金 Aluminium & alloy	 d 9.52 L 16.66 s 4.76 r 0.80
APKT160408A-2C	PFZ	鈦合金 Titanum alloy 合金鋼 Alloy steel 不銹鋼 Stainless steel 高温合金 Refractory alloy	 d 9.52 L 16.66 s 4.76 r 0.80

特 點 / Feature

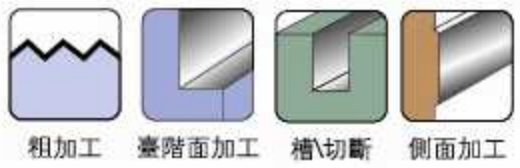
■高效能形粗銑刀，能加工深孔。
■尺寸可由刀杆隨意變換深度，發揮最大效能。

■With high efficiency, for deep hole.
■By changing the depth, it can achieve high effciency.

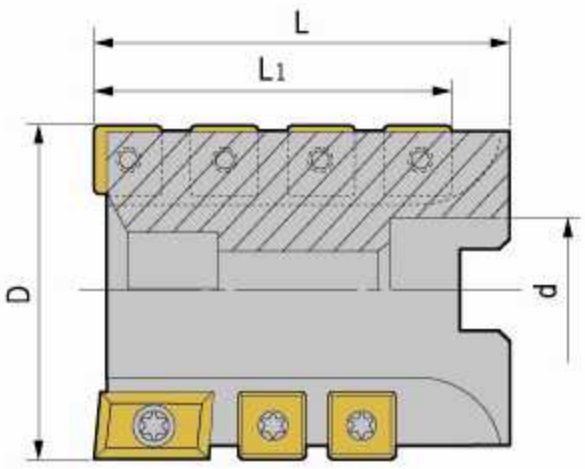
PMC Shell Cutter For Roughing

PMC殼式粗切削端銑刀









型號 Specification		刃數 Teeth	D	d	L1	L	T	刀片型號 Insert			刀片螺釘 Insert screw	旗形扳手 Wrench
									T			
PMC-	80-31.75	6	80	31.75	67	80	3	LPMT1504	18	SPMT1204	M050Y110	Q20B
	80-32	6	80	32	67	80	3	LPMT1504	18	SPMT1204	M050Y110	Q20B
	100-38.1	8	100	38.1	77	100	4	LPMT1504	28	SPMT1204	M050Y110	Q20B
	100-40	8	100	40	77	100	4	LPMT1504	28	SPMT1204	M050Y110	Q20B
適用 Suitable:德克、ISO刀片 DEREK Or ISO Insert												

特 點 / Feature

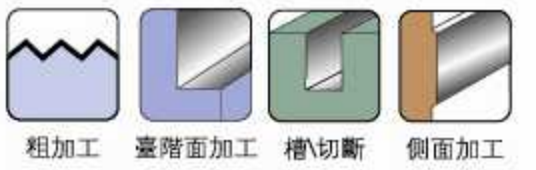
■高性能形粗銑刀，能加工深孔。
■尺寸可由刀杆隨意變換深度，發揮最大效能。

■With high efficiency, it can process on deep hole workpieces.
■By the changing of depth, if can achieve high efficiency.

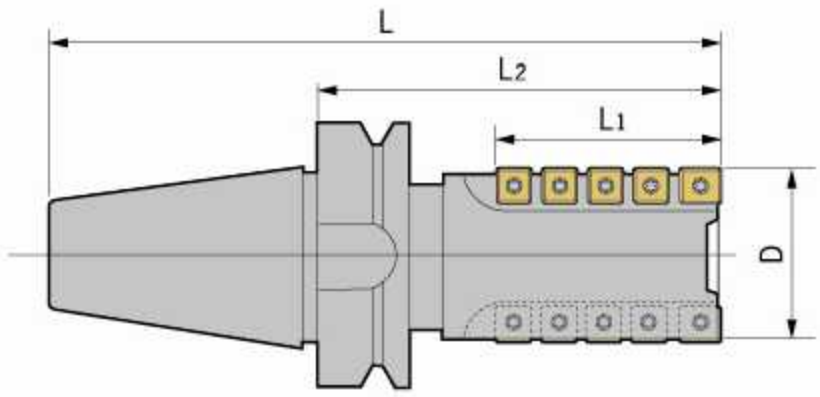
BT-BMC Shell Cutter For Roughing

BT-BMC粗切削端銑刀









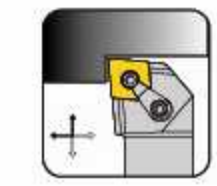
型號 Specification		D	L1	L2	L	刀槽數 T Z	刀片 Insert LPMT1504 a(T)	刀片 Insert SPMT1204 b(T)
BT50-	BMC-50-56L	50	56	126	228	4	2	10
	BMC-50-77L	50	77	146	248	4	2	14
	BMC-50-97L	50	97	166	268	4	2	18
	BMC-63-67L	63	67	136	238	4	2	12
	BMC-63-87L	63	87	156	258	4	2	16
	BMC-63-107L	63	107	176	278	4	2	20
適用 Suitable:德克、ISO刀片 DEREK Or ISO Insert								

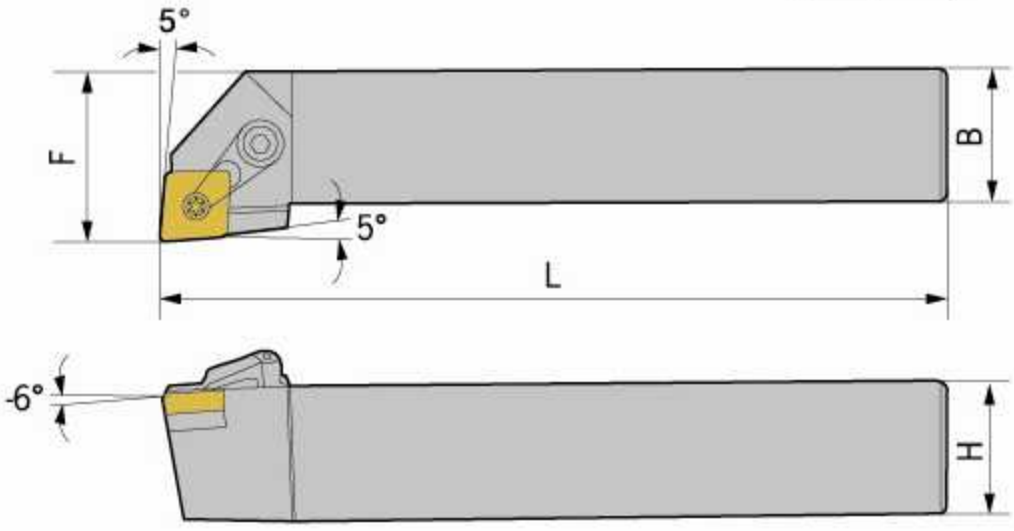


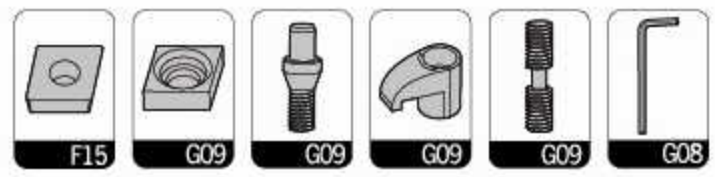
Type M

MCLNR/L









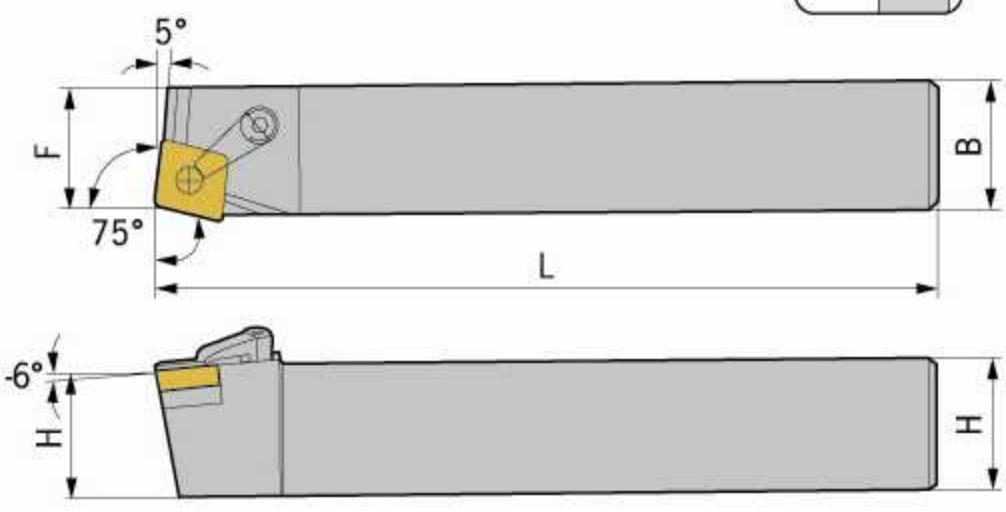
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MCLNR/L	1616H12	16	16	100	20	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2020K12	20	20	125	25	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2525M12	25	25	150	32	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P12	32	32	170	40	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03

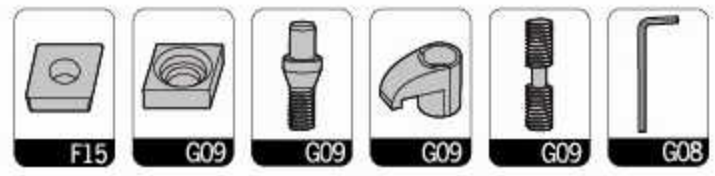
Type M

MCBNR/L





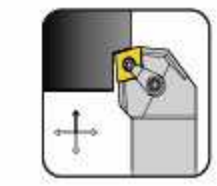




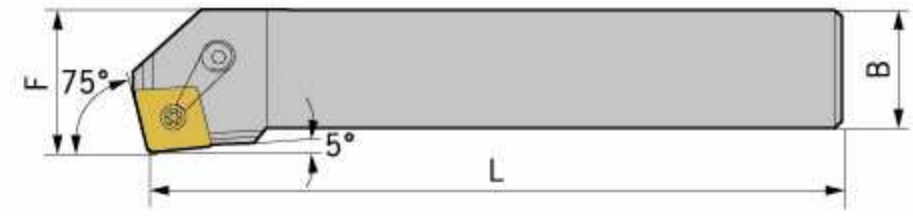
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MCBNR/L	1616H12	16	16	100	13	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2020K12	20	20	125	17	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2525M12	25	25	150	22	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P12	32	32	170	27	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P16	32	32	170	27	CN..1606..	MC1604	MX0822	MY0823	ML0828	L03,L04
	3232P19	32	32	170	27	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04
	4040R19	40	40	200	35	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04

Type M

MCKNR/L







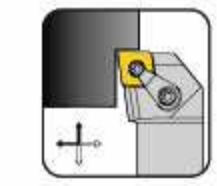




型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MCKNR/L	2020K12	20	20	125	25	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2525M12	25	25	150	32	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P12	32	32	170	40	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P16	32	32	170	40	CN..1606..	MC1604	MX0822	MY0823	ML0828	L03,L04
	3232P19	32	32	170	40	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04

Type M

MCFNR/L









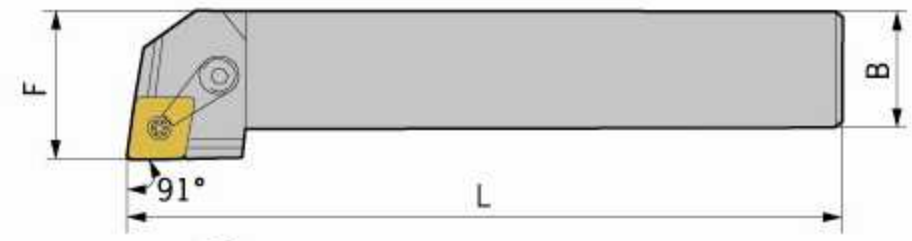
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MCFNR/L	2525M12	25	25	150	32	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P12	32	32	170	40	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P19	32	32	170	41.5	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04
	4040P19	40	40	170	50	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04

Type M

MCGNR/L







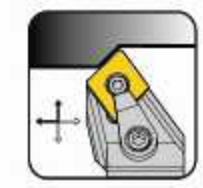


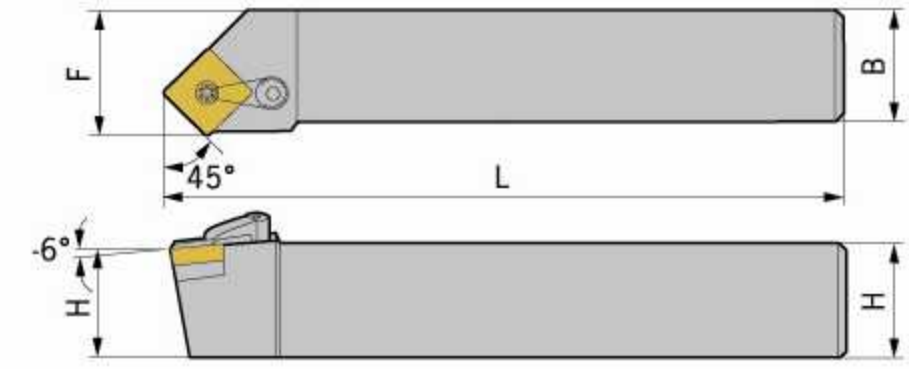
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MCGNR/L	1616H12	16	16	100	20	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2020K12	20	20	125	25	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2525M12	25	25	150	32	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P12	32	32	170	40	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P16	32	32	170	40	CN..1606..	MC1604	MX0822	MY0823	ML0828	L03,L04
	3232P19	32	32	170	40	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04
	4040V19	40	40	200	50	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04

Type M

MCSNR/L









型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MCSNR/L	2020K12	20	20	125	25	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2525M12	25	25	150	32	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P12	32	32	170	40	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P19	32	32	170	40	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04

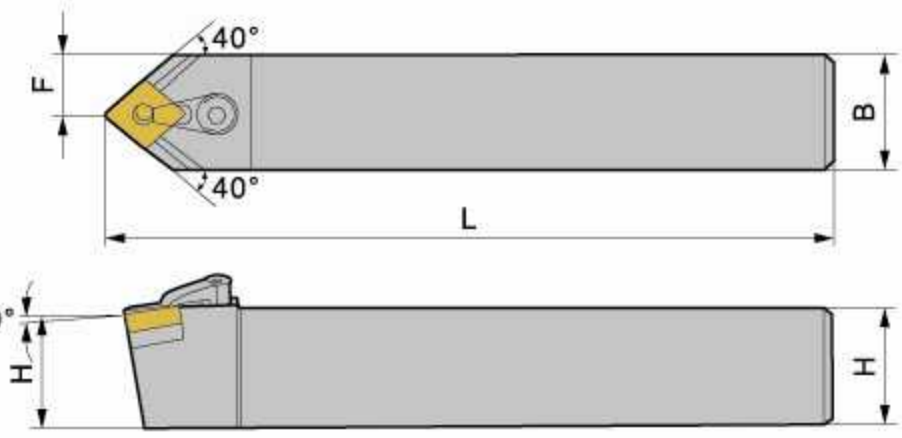
Type M

MCMNN





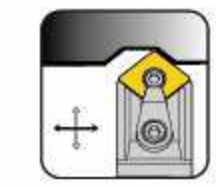




型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MCMNN	1616H12	16	16	100	8	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2020K12	20	20	125	10	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2525M12	25	25	150	12.5	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P12	32	32	170	16	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2525M16	25	25	150	12.5	CN..1606..	MC1604	MX0822	MY0823	ML0828	L03,L04
	3232P19	32	32	170	16	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04

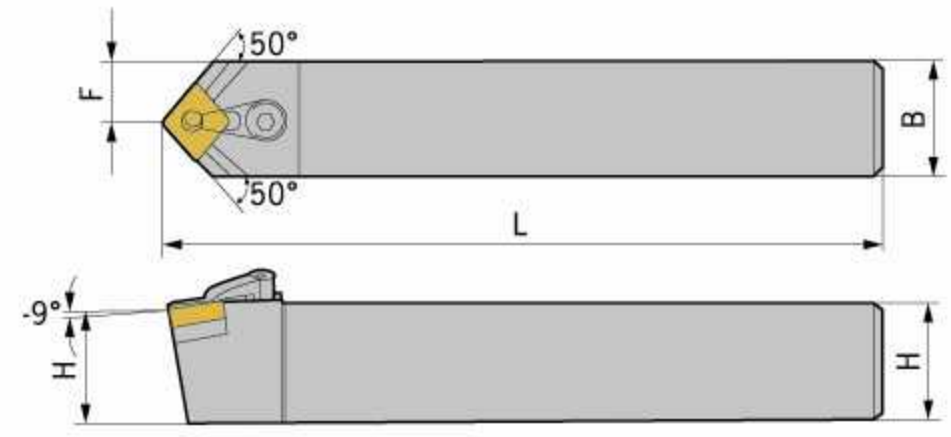
Type M

MCMNN-40







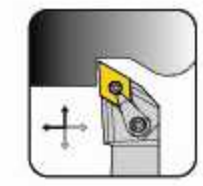


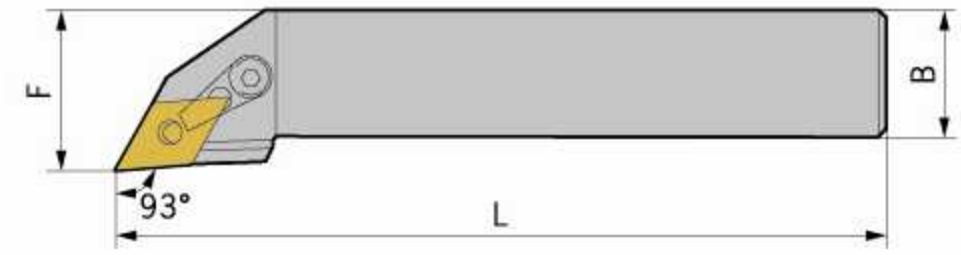
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MCMNN	1616H12-40	16	16	100	8	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2020K12-40	20	20	125	10	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2525M12-40	25	25	150	12.5	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	3232P12-40	32	32	170	16	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03
	2525M16-40	25	25	150	12.5	CN..1606..	MC1604	MX0822	MY0823	ML0828	L03,L04
	3232P19-40	32	32	170	16	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04

Type M

MDJNR/L







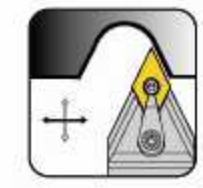


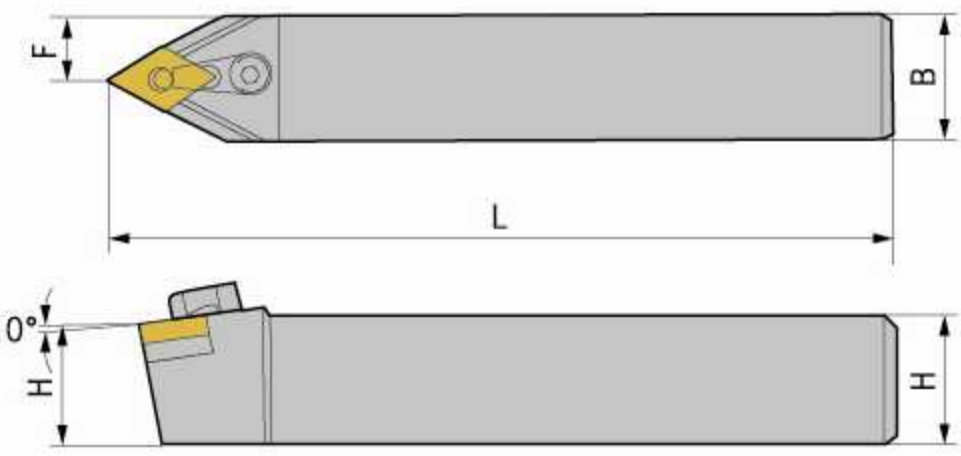
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MDJNR/L	1616H11	16	16	100	20	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
	2020K11	20	20	125	25	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
	2525M11	25	25	150	32	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
	2020K15	20	20	125	25	DN..1504..	MD1506	MX0619	MY0621	ML0625	L025,L03
	2525M15	25	25	150	32			MX0619	MY0621	ML0625	L025,L03
	3232P15	32	32	170	40	DN..1506..	MD1504	MX0619	MY0621	ML0625	L025,L03

Type M

MDPNN







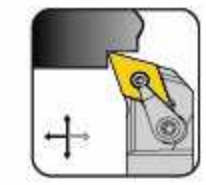


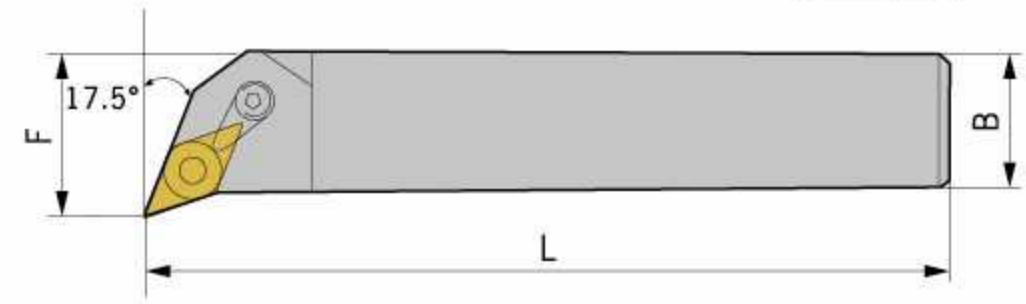
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MDPNN	1616H11	16	16	100	8	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
	2020K11	20	20	125	10	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
	2525M11	25	25	150	12.5	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
	2020K15	20	20	125	10	DN..1504..	MD1506	MX0619	MY0621	ML0625	L025,L03
	2525M15	25	25	150	12.5			MX0619	MY0621	ML0625	L025,L03
	3232P15	32	32	170	16	DN..1506..	MD1504	MX0619	MY0621	ML0625	L025,L03

Type M

MDQNR/L











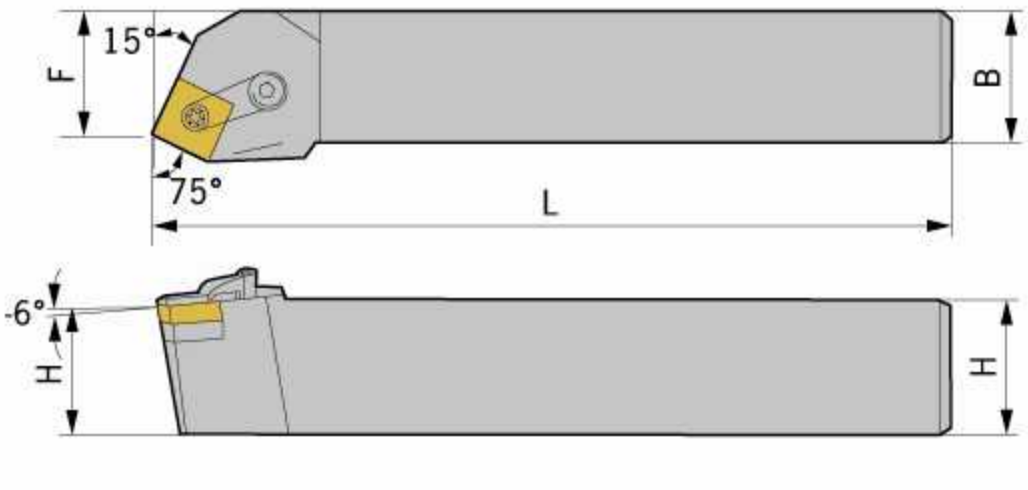
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MDQNR/L	1616H11	16	16	100	20	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
	2020K11	20	20	125	25	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
	2525M11	25	25	150	32	DN..1104..	MD1103	MX0513	MY0619	ML0625	L02,L03
	2020K15	20	20	125	25	DN..1504..	MD1506	MX0619	MY0621	ML0625	L025,L03
	2525M15	25	25	150	32			MX0619	MY0621	ML0625	L025,L03
	3232P15	32	32	170	40	DN..1506..	MD1504	MX0619	MY0621	ML0625	L025,L03

Type M

MSBNR/L







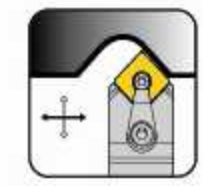


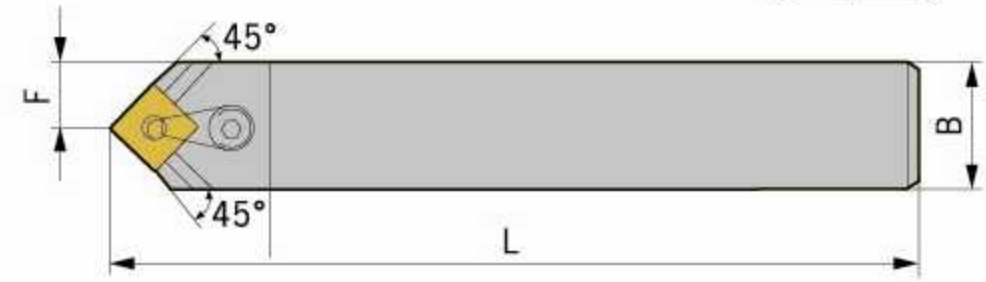
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MSBNR/L	2020K12	22	22	125	17	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	2525M12	25	25	150	22	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	3232P12	32	32	170	27	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	2525M15	25	25	150	22	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
	3232P15	32	32	170	27	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
	3232P19	32	32	170	27	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04
	4040R19	40	40	200	35	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04
	4040S19	40	40	250	35	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04

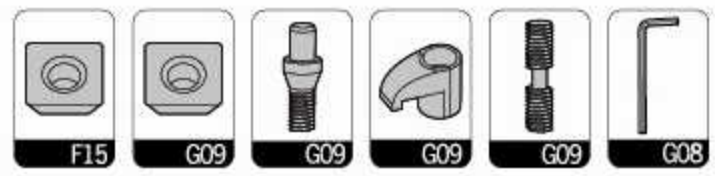
Type M

MSDNN









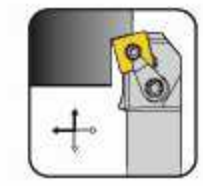


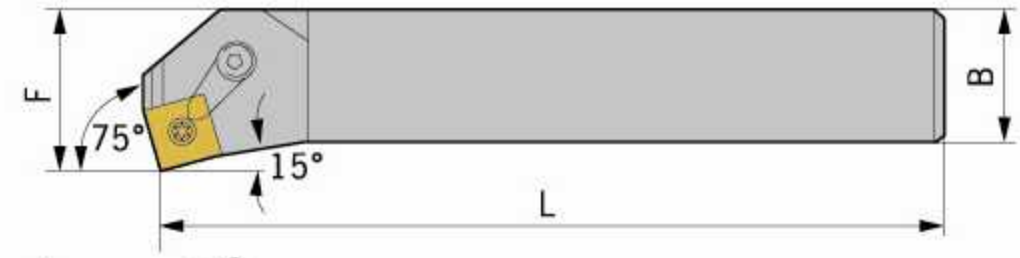
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MSDNN	1616H12	16	16	100	8	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	2020K12	20	20	125	10	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	2525M12	25	25	150	12.5	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	3232P12	32	32	170	16	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	2525M15	25	25	150	12.5	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
	3232P15	32	32	170	16	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
	3232P19	32	32	170	16	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04
	4040S19	40	40	250	20	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04

Type M

MSKNR/L









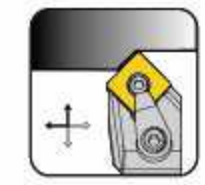


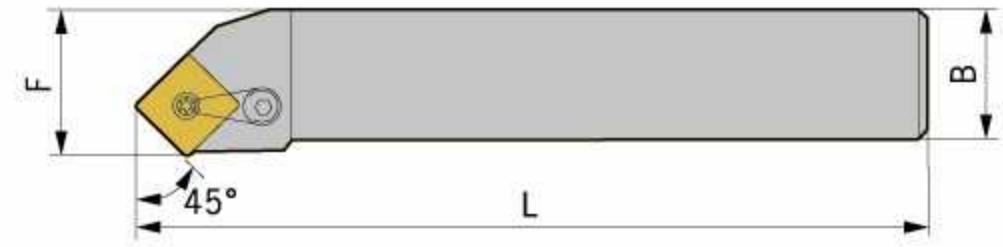
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MSKNR/L	2020K12	20	20	125	25	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	2525M12	25	25	150	32	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	3232P12	32	32	170	40	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	2525M15	25	25	150	32	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
	3232P15	32	32	170	40	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
	3232P19	32	32	170	40	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04
	4040S19	40	40	250	50	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04

Type M

MSSNR/L









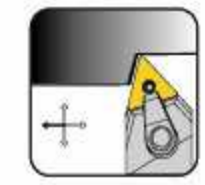


型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MSSNR/L	1616H12	16	16	100	20	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	2020K12	20	20	125	25	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	2525M12	25	25	150	32	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	3232P12	32	32	170	40	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03
	2525M15	25	25	150	32	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
	3232P15	32	32	170	40	SN..1506..	MS1504	MX0822	MY0823	ML0828	L03,L04
	3232P19	32	32	170	40	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04
	4040S19	40	40	250	50	SN..1906..	MS1904	MX1022	MY0823	ML0828	L04

Type M

MTBNR/L







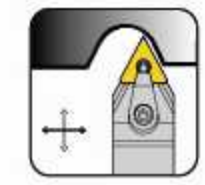


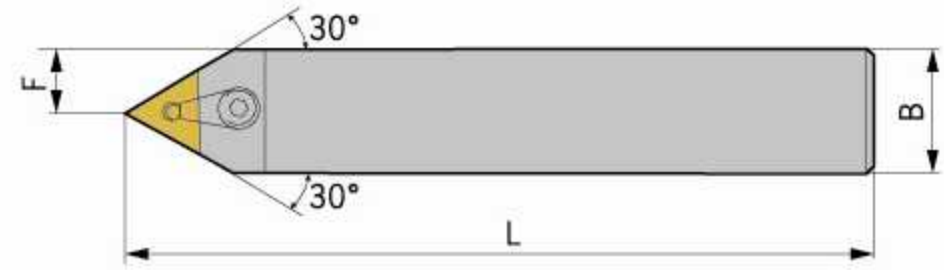
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MTBNR/L	2020K16	20	20	125	16	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2525M16	25	25	150	21	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03

Type M

MTENN









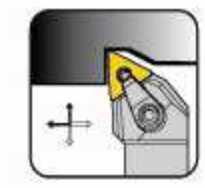


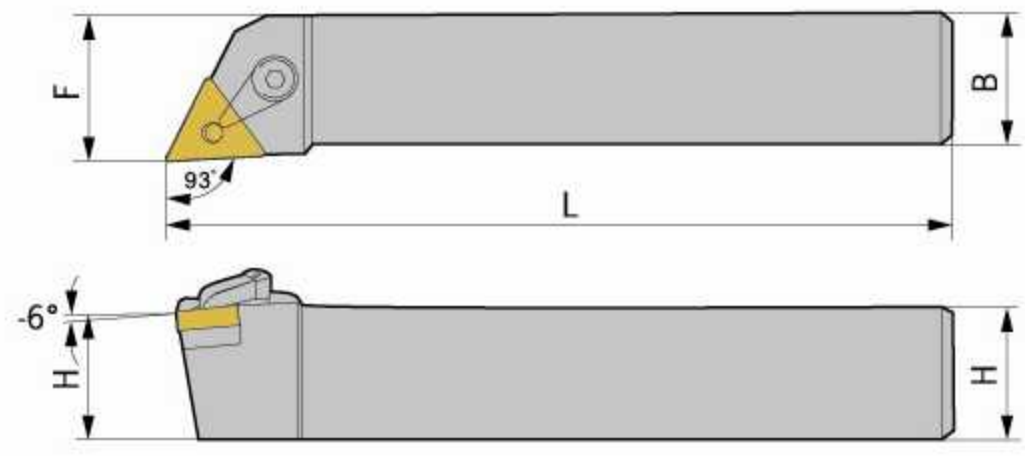
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MTENN	1616H16	16	16	100	8	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2020K16	20	20	125	10	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2525M16	25	25	150	12.5	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	3232P16	32	32	170	16	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	4040S16	40	40	250	20	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2525M22	25	25	150	12.5	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04
	3232P22	32	32	170	16	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04

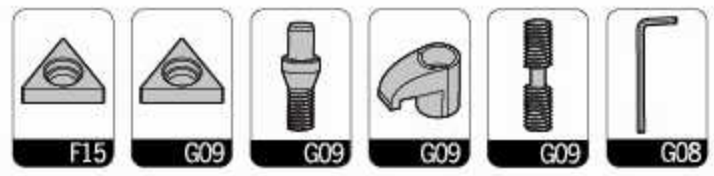
Type M

MTJNR/L







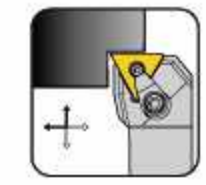


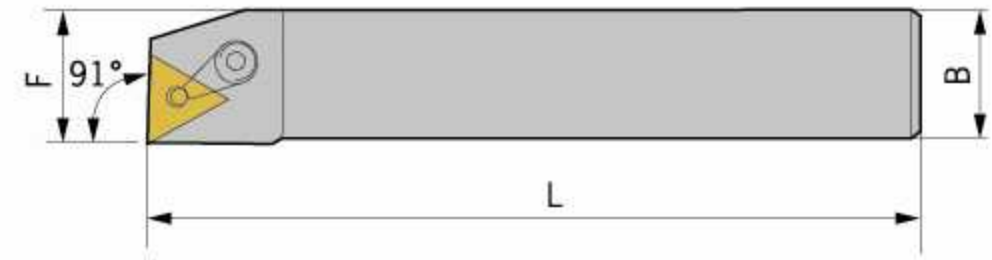
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MTJNR/L	1616H16	16	16	100	20	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2020K16	20	20	125	25	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2525M16	25	25	150	32	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	3232P16	32	32	170	40	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2525M22	25	25	150	32	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04
	3232P22	32	32	170	40	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04
	4040R22	40	40	200	50	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04

Type M

MTFNR/L











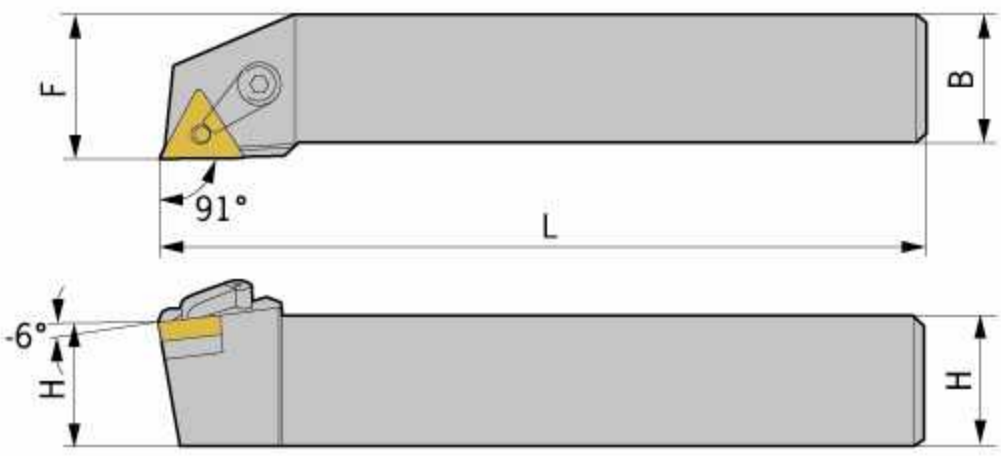
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MTFNR/L	1616H16	16	16	100	20	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2020K16	20	20	125	25	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2525M16	25	25	150	32	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	3232P16	32	32	170	40	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2525M22	25	25	150	32	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04
	3232P22	32	32	170	40	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04

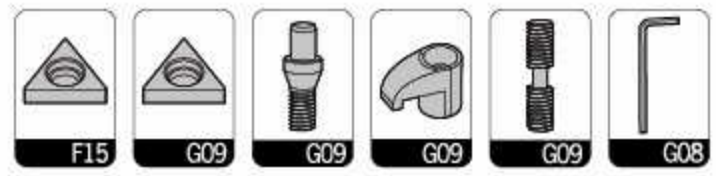
Type M

MTGNR/L







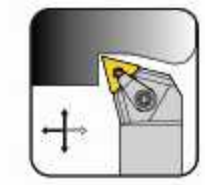


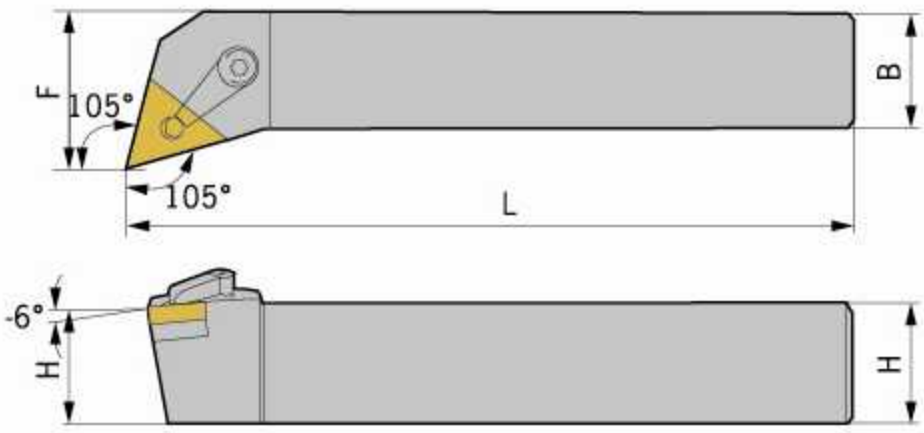
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MTGNR/L	1616H16	16	16	100	20	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2020K16	20	20	125	25	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	2525M16	25	25	150	32	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	3232P16	32	32	170	37	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
	3232P22	32	32	170	40	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04

Type M

MTQNR/L









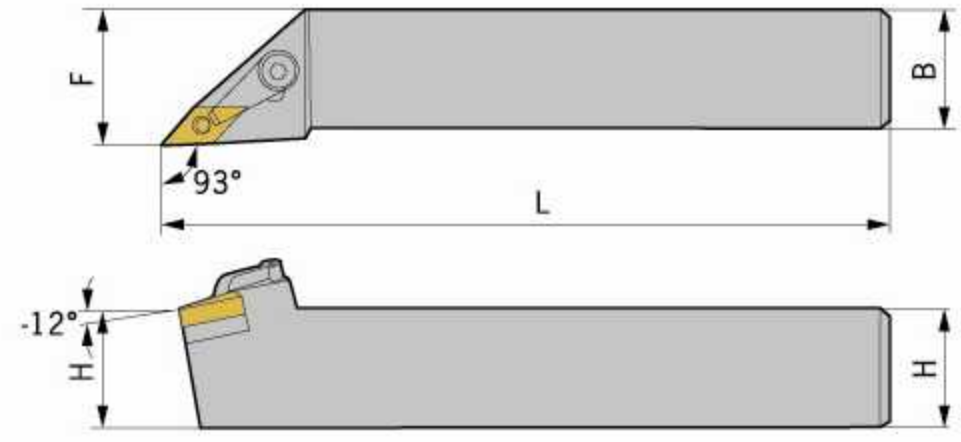
型號 Specification	H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MTQNR/L1616H16	16	16	100	20	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2020K16	20	20	125	25	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2525M16	25	25	150	32	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
3232P16	32	32	170	40	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03
2525M22	25	25	150	32	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04
3232P22	32	32	170	40	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04

Type M

MVJNR/L







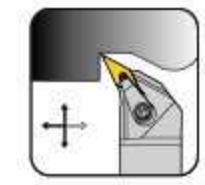


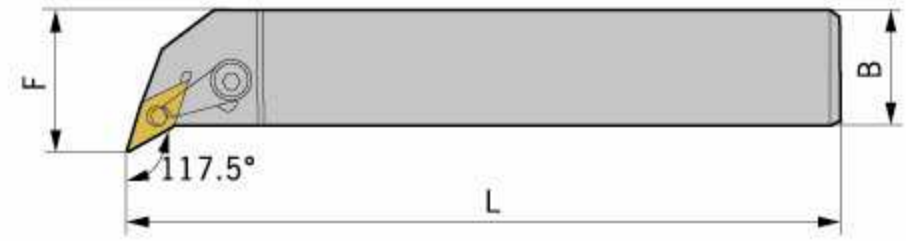
型號 Specification	H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MVJNR/L1616H16	16	16	100	20	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04
2020K16	20	20	125	25	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04
2525M16	25	25	150	32	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04
3232P16	32	32	170	40	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04

Type M

MVQNR/L









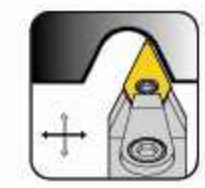


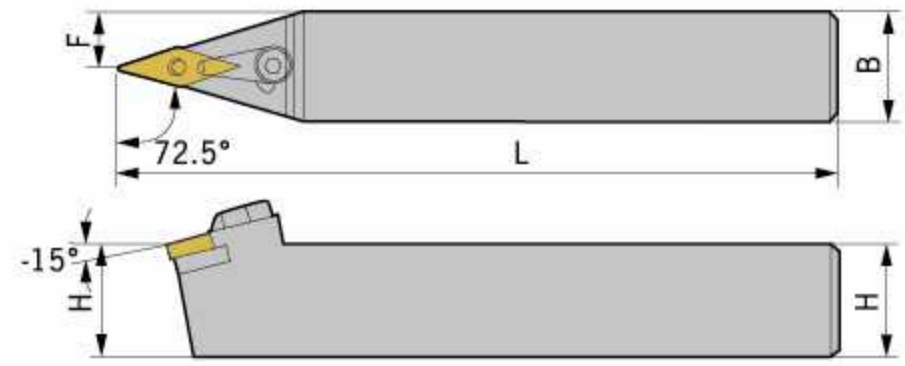
型號 Specification	H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MVQNR/L2020K16	20	20	125	25	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03
2525M16	25	25	150	32	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03
3232P16	32	32	170	40	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04

Type M

MVVNN





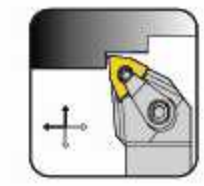




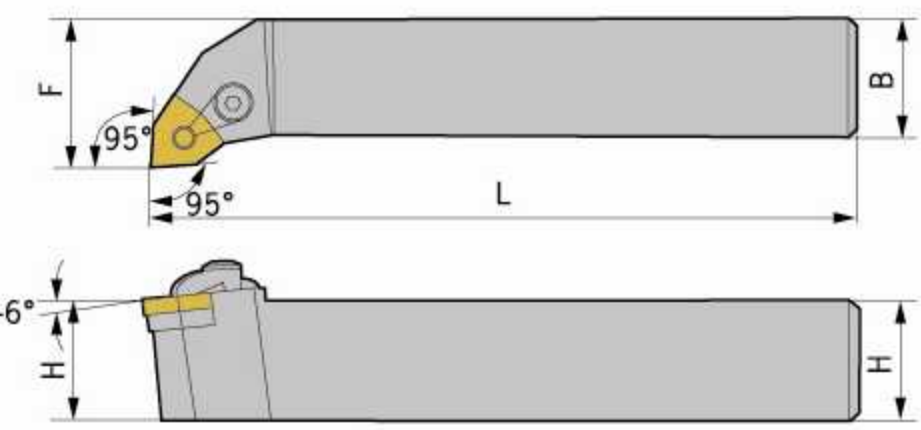
型號 Specification	H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MVVNN1616H16	16	16	100	8	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04
2020K16	20	20	125	10	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04
2525M16	25	25	150	12.5	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04
3232P16	32	32	170	16	VN..1604..	MV1603	MX0513	MY0826	ML0828	L02,L04

Type M

MWLNR/L



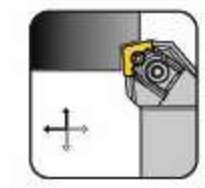




型號 Specification	H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench
MWLNR/L1616H06	16	16	100	20	WN..0604..	MW0603	MX0513	MY0619	ML0625	L02,L03
2020K06	20	20	125	25	WN..0604..	MW0603	MX0513	MY0619	ML0625	L02,L03
2525M06	25	25	150	32	WN..0604..	MW0603	MX0513	MY0619	ML0625	L02,L03
1616H08	16	16	100	20	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03
2020K08	20	20	125	25	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03
2525M08	25	25	150	32	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03
3232P08	30	30	170	40	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03
4040R08	40	40	200	50	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03

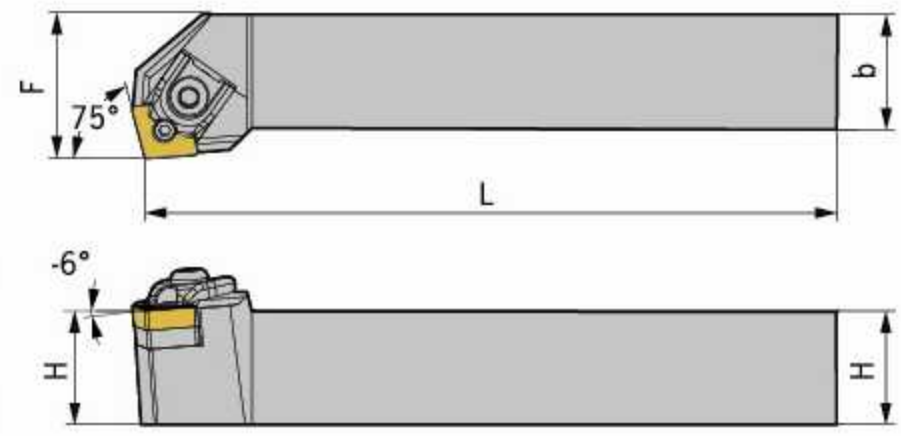
Type W

WCKNR/L





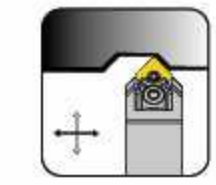


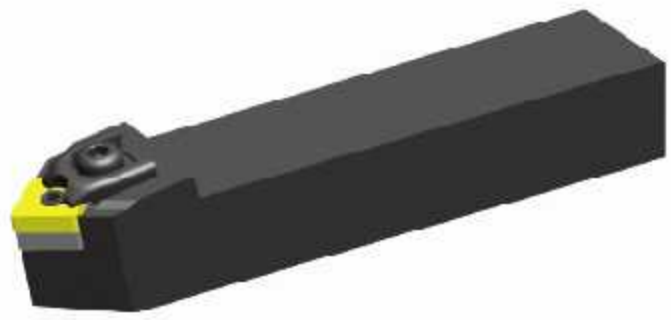


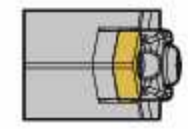
型號 Specification	H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	C型環 Type C	扳手 Wrench
WCKNR/L2020K12	20	20	125	25	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
2525M12	25	25	150	32	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
3232P12	32	32	170	40	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04

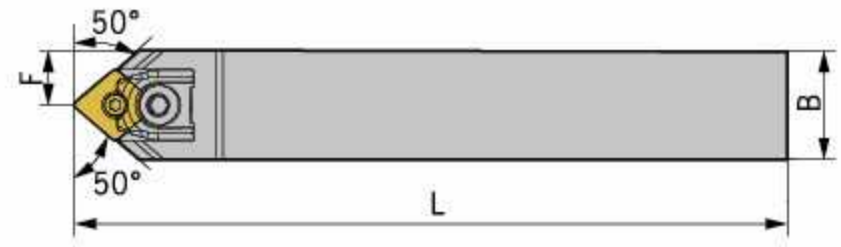
Type W

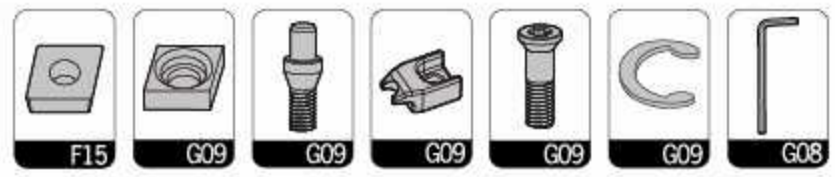
WCMNN









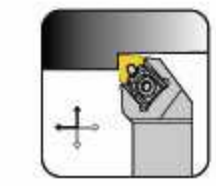


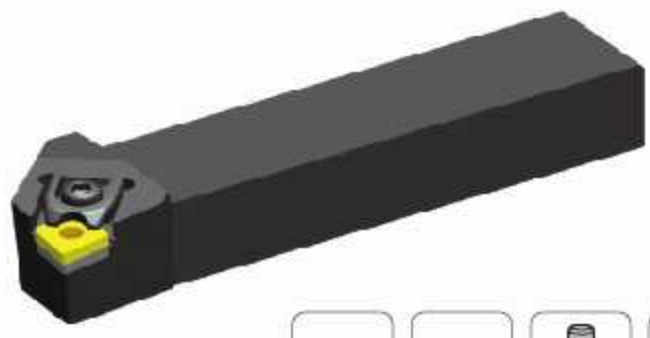


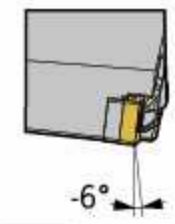
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	C型環 Type C	扳手 Wrench
WCMNN	2020K12	20	20	125	25	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
	2525M12	25	25	150	32	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
	3232P12	32	32	170	40	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
	2525M16	25	25	150	32	CN..1606..	MC1604	WX0822	WYT16	WL0525	C5	L04
	3232P16	32	32	170	40	CN..1606..	MC1604	WX0822	WYT16	WL0525	C5	L04

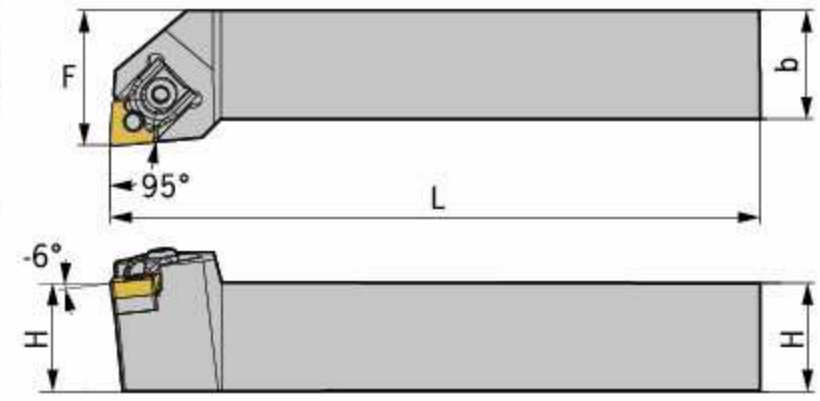
Type W

WCLNR/L







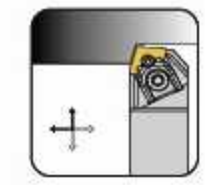




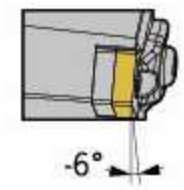
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	C型環 Type C	扳手 Wrench
WCLNR/L	2020K12	20	20	125	25	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
	2525M12	25	25	150	32	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
	3232P12	32	32	170	40	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
	2525M16	25	25	150	32	CN..1606..	MC1604	WX0822	WYT16	WL0525	C5	L04
	3232P16	32	32	170	40	CN..1606..	MC1604	WX0822	WYT16	WL0525	C5	L04

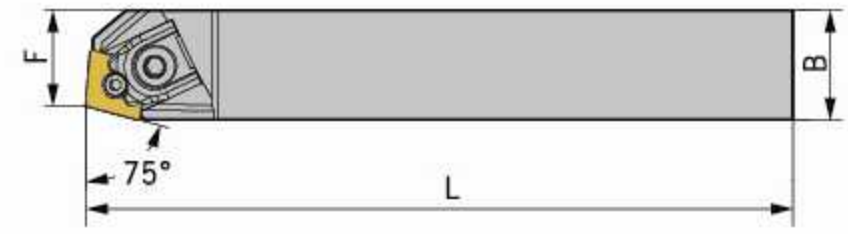
Type W

WCBNR/L

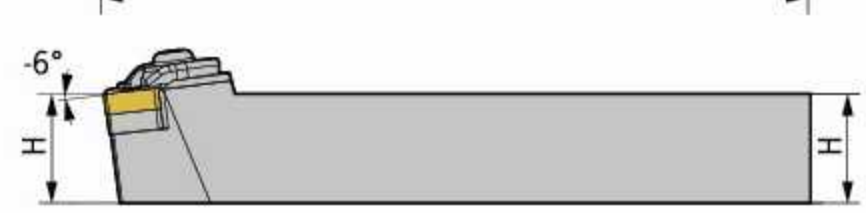








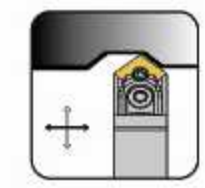




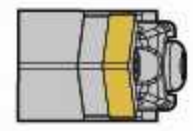
型號 Specification	H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	C型環 Type C	扳手 Wrench
WCBNR/L 2020K12	20	20	125	25	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
2525M12	25	25	150	32	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
3232P12	32	32	170	40	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04

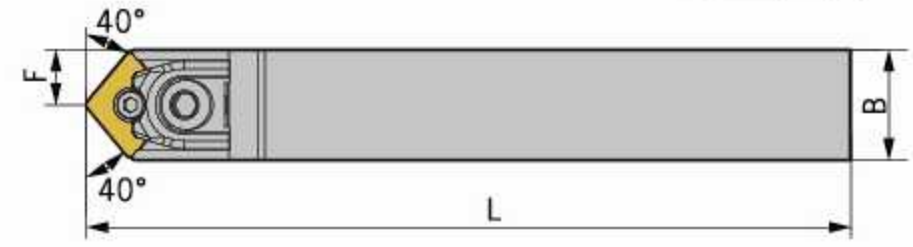
Type W

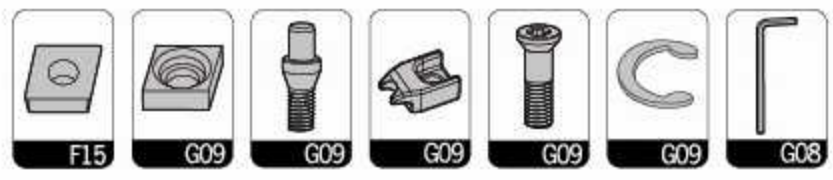
WCMNN-40













型號 Specification	H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	C型環 Type C	扳手 Wrench
WCMNN 2020K12-40	20	20	125	25	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
2525M12-40	25	25	150	32	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
3232P12-40	32	32	170	40	CN..1204..	MC1204	WX0618	WYT16	WL0525	C5	L03,L04
2525M16-40	25	25	150	32	CN..1606..	MC1604	WX0822	WYT16	WL0525	C5	L04
3232P16-40	32	32	175	40	CN..1606..	MC1604	WX0822	WYT16	WL0525	C5	L04

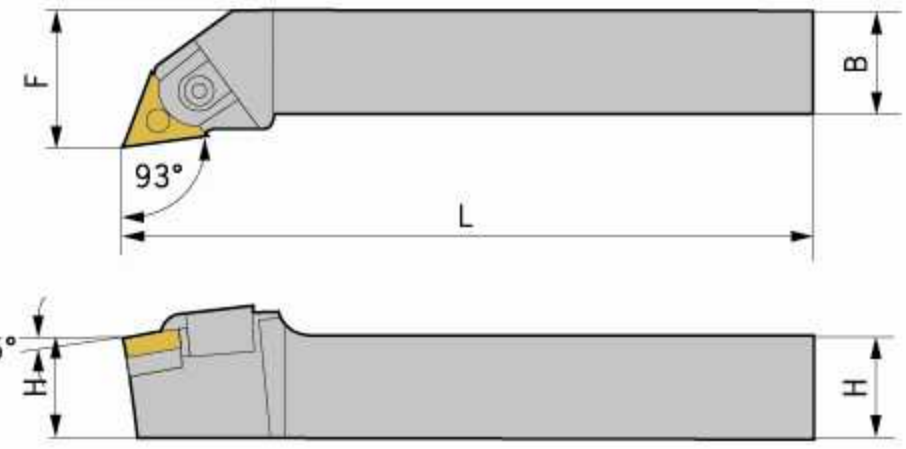
Type W

WTJNR/L





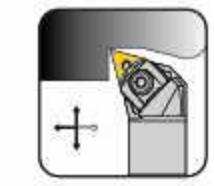




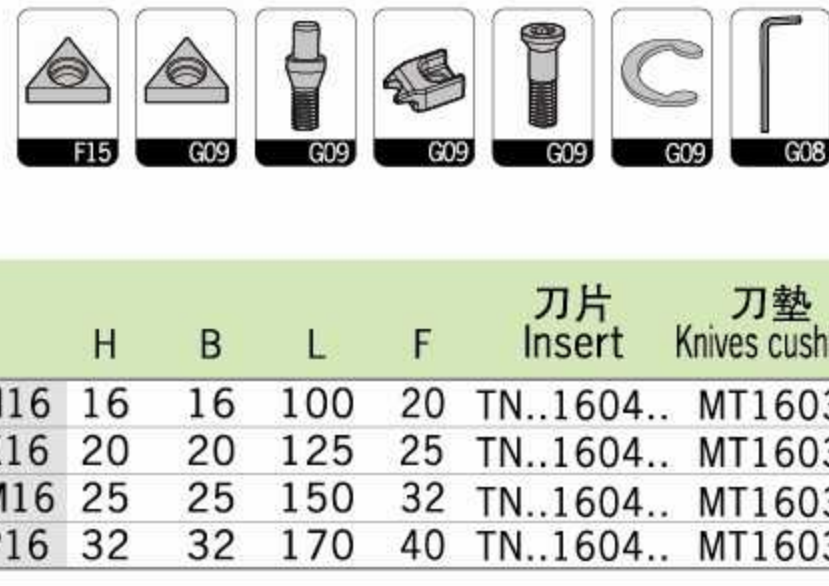
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	C型環 Type C	扳手 Wrench
WTJNR/L	1616H16	16	16	100	20	TN..1604..	MT1603	WX0515	WYT16	WL0525	C5	L025,L04
	2020K16	20	20	125	25	TN..1604..	MT1603	WX0515	WYT16	WL0525	C5	L025,L04
	2525M16	25	25	150	32	TN..1604..	MT1603	WX0515	WYT16	WL0525	C5	L025,L04
	3232P16	32	32	170	40	TN..1604..	MT1603	WX0515	WYT16	WL0525	C5	L025,L04

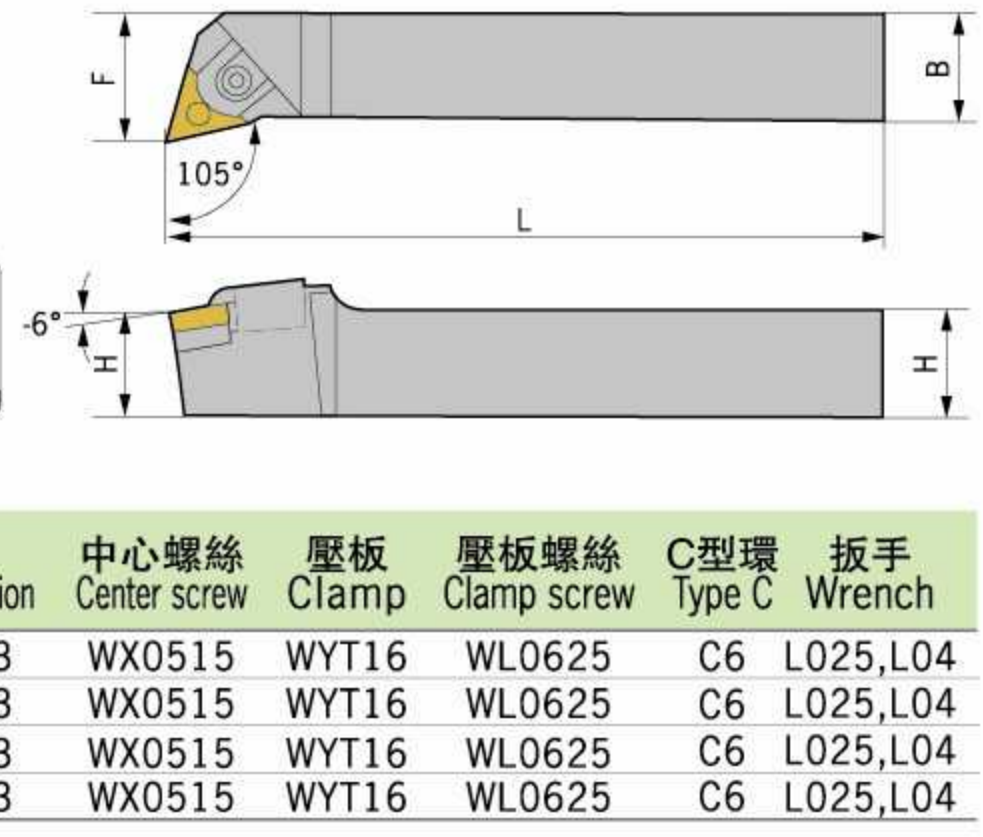
Type W

WTQNR/L







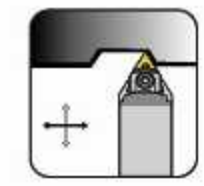


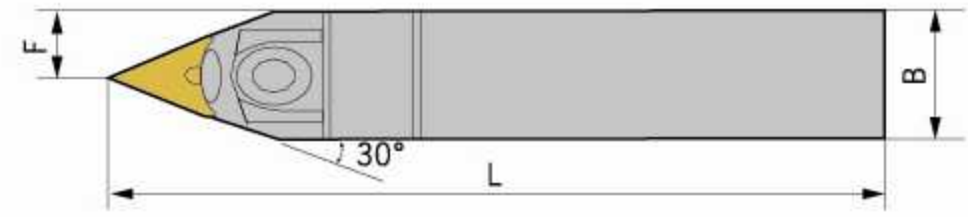
型號 Specification		H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	C型環 Type C	扳手 Wrench
WTQNR/L	1616H16	16	16	100	20	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04
	2020K16	20	20	125	25	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04
	2525M16	25	25	150	32	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04
	3232P16	32	32	170	40	TN..1604..	MT1603	WX0515	WYT16	WL0625	C6	L025,L04

Type W

WTENN









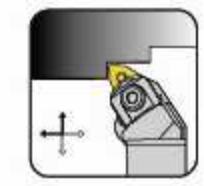


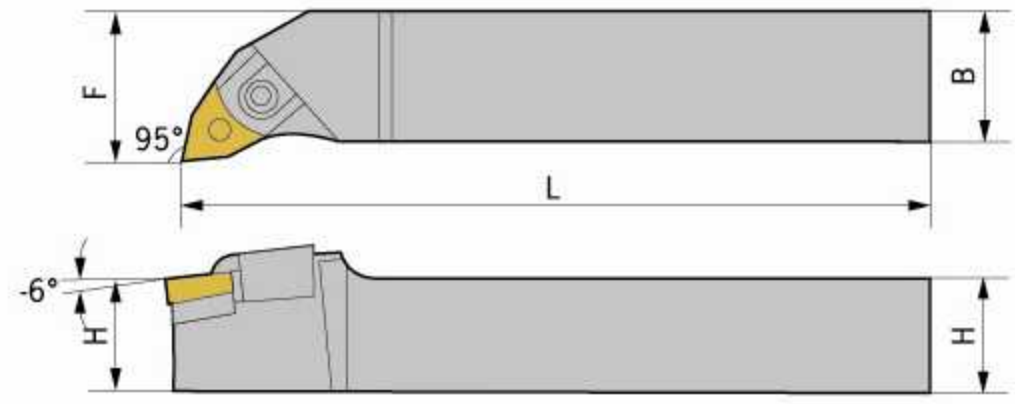
型號 Specification	H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	C型環 Type C	扳手 Wrench
WTENN 1616H16	16	16	100	8	TN..1604..	MT1603	WX0515	WYT16	WL0625	C5	L025,L04
2020K16	20	20	125	10	TN..1604..	MT1603	WX0515	WYT16	WL0625	C5	L025,L04
2525M16	25	25	150	12.5	TN..1604..	MT1603	WX0515	WYT16	WL0625	C5	L025,L04
3232P16	32	32	170	16	TN..1604..	MT1603	WX0515	WYT16	WL0625	C5	L025,L04

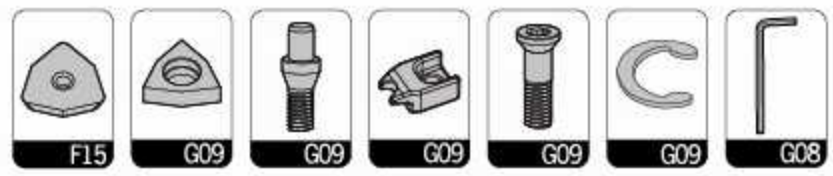
Type W

WWLNR/L









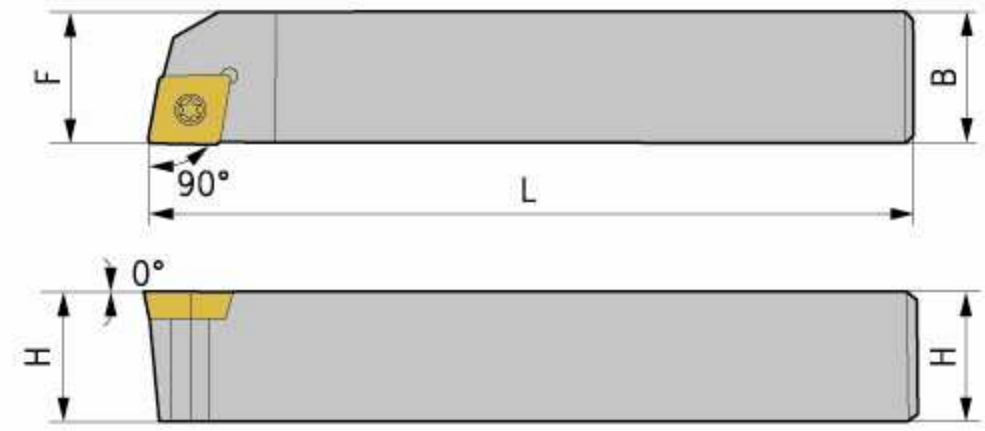
型號 Specification	H	B	L	F	刀片 Insert	刀墊 Knives cushion	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	C型環 Type C	扳手 Wrench
WWLNR/L 2020K08	20	20	125	25	WN..0804..	MW0804	WX0618	WYT16	ML0525	C5	L03,L04
2525M08	25	25	150	32	WN..0804..	MW0804	WX0618	WYT16	ML0525	C5	L03,L04
3232P08	32	32	170	40	WN..0804..	MW0804	WX0618	WYT16	ML0525	C5	L03,L04

Type S

SCACR/L







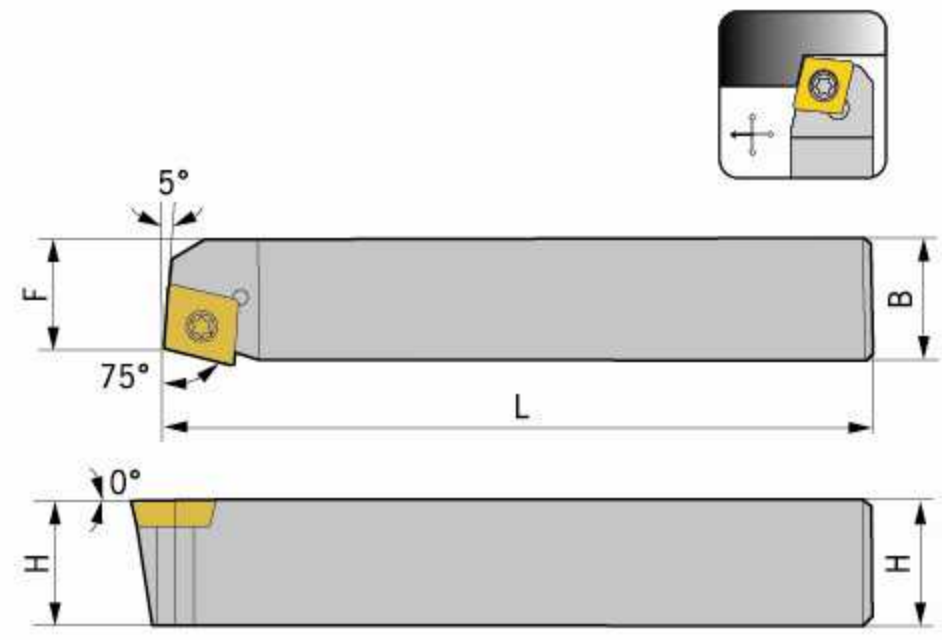
型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SCACR/L	0808D06	8	8	60	8	CC..0602..	M2.5*7	Q08
	1010E06	10	10	70	10	CC..0602..	M2.5*7	Q08
	1212F06	12	12	80	12	CC..0602..	M2.5*7	Q08
	1212F09	12	12	80	12	CC..09T3..	M3.5*9	Q15
	2020K09	20	20	125	20	CC..09T3..	M3.5*9	Q15
	2525M09	25	25	150	25	CC..09T3..	M3.5*9	Q15
	1616H12	16	16	100	16	CC..1204..	M5*12	Q20
	2020K12	20	20	125	20	CC..1204..	M5*12	Q20
	2525M12	25	25	150	25	CC..1204..	M5*12	Q20

Type S

SCBCR/L





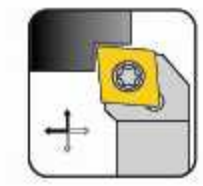


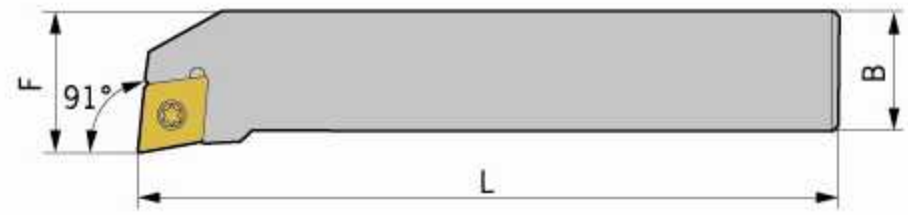
型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SCBCR/L	1010F06	10	10	80	8.5	CC..0602..	M2.5*7	Q08
	1212H06	12	12	100	10	CC..0602..	M2.5*7	Q08
	1212H09	12	12	100	10	CC..09T3..	M3.5*9	Q15
	1616H09	16	16	100	13	CC..09T3..	M3.5*9	Q15
	2020K09	20	20	125	17	CC..09T3..	M3.5*9	Q15
	2525M09	25	25	150	22	CC..09T3..	M3.5*9	Q15
	2020K12	20	20	125	17	CC..1204..	M5*12	Q20
	2525M12	25	25	150	22	CC..1204..	M5*12	Q20
	3232P12	32	32	170	29	CC..1204..	M5*12	Q20

Type S

SCFCR/L







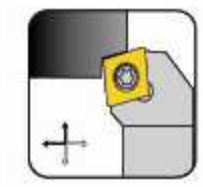


型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SCFCR/L	1010E06	10	10	70	12	CC..0602..	M2.5*7	Q08
	1212F06	12	12	80	16	CC..0602..	M2.5*7	Q08
	1212F09	12	12	80	16	CC..09T3..	M3.5*9	Q15
	1616H09	16	16	100	20	CC..09T3..	M3.5*9	Q15
	2020K09	20	20	125	25	CC..09T3..	M3.5*9	Q15
	2525M09	25	25	150	32	CC..09T3..	M3.5*9	Q15
	2525M12	25	25	150	32	CC..1204..	M5*12	Q20

Type S

SCKCR/L









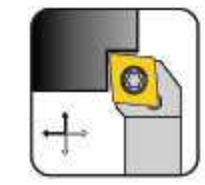
型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SCKCR/L	1212H09	12	12	100	16	CC..09T3..	M3.5*9	Q15
	1616H09	16	16	100	20	CC..09T3..	M3.5*9	Q15
	2020K09	20	20	125	25	CC..09T3..	M3.5*9	Q15
	2525M09	25	25	150	32	CC..09T3..	M3.5*9	Q15
	2020K12	20	20	125	25	CC..1204..	M5*12	Q20
	2525M12	25	25	150	32	CC..1204..	M5*12	Q20
	3232P12	32	32	170	40	CC..1204..	M5*12	Q20

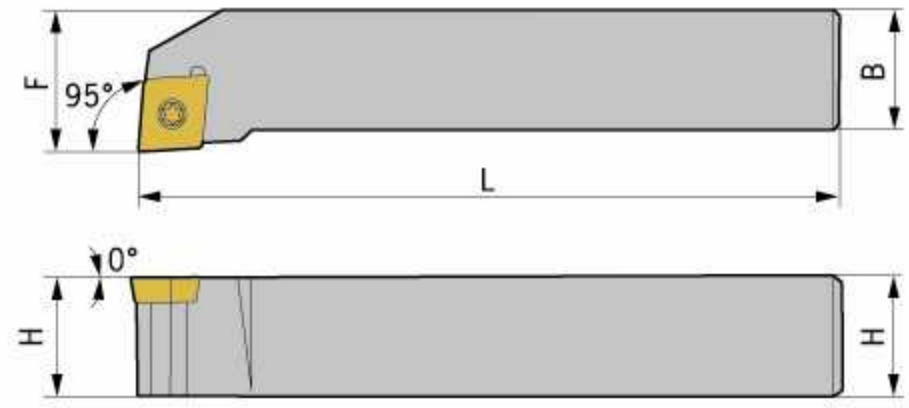
Type S

SCLCR/L









型號 Specification	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SCLCR/L1212F06	12	12	80	16	CC..0602..	M2.5*7	Q08
1616H06	16	16	100	20	CC..0602..	M2.5*7	Q08
1212F09	12	12	80	16	CC..09T3..	M3.5*9	Q15
1616H09	16	16	100	20	CC..09T3..	M3.5*9	Q15
2020K09	20	20	125	25	CC..09T3..	M3.5*9	Q15
2525M09	25	25	150	32	CC..09T3..	M3.5*9	Q15
3232P09	32	32	170	40	CC..09T3..	M3.5*9	Q15
1616H12	16	16	100	20	CC..1204..	M5*12	Q20
2020K12	20	20	125	25	CC..1204..	M5*12	Q20
2525M12	25	25	150	32	CC..1204..	M5*12	Q20
3232P12	32	32	170	40	CC..1204..	M5*12	Q20

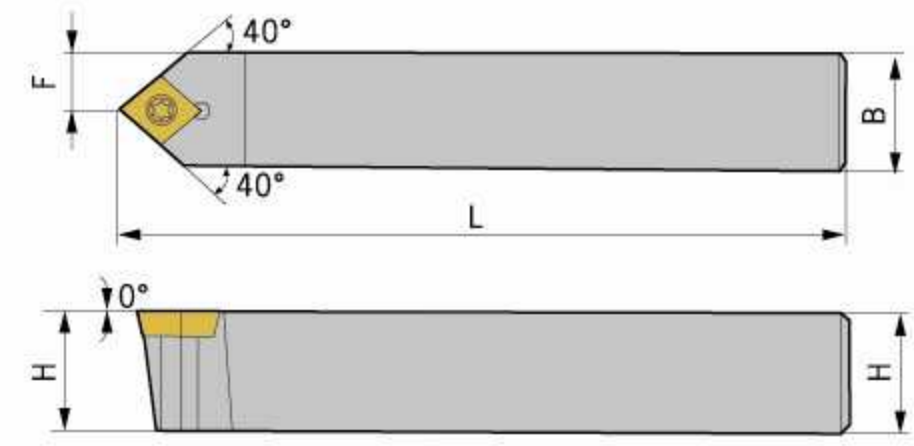
Type S

SCMCN









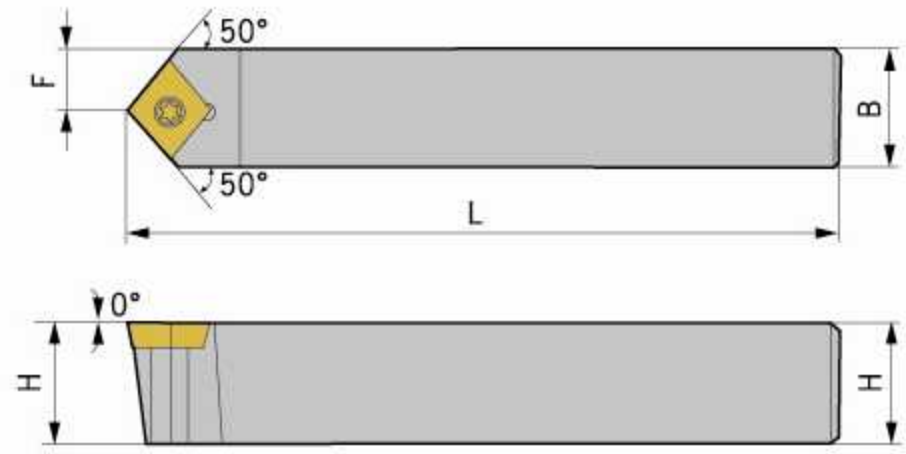
型號 Specification	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SCMCN0808F06	8	8	80	4	CC..0602..	M2.5*7	Q08
1010E06	10	10	70	5	CC..0602..	M2.5*7	Q08
1212F06	12	12	80	6	CC..0602..	M2.5*7	Q08
1212F09	12	12	80	6	CC..09T3..	M3.5*9	Q15
1616H09	16	16	100	8	CC..09T3..	M3.5*9	Q15
2020K09	20	20	125	10	CC..09T3..	M3.5*9	Q15
2525M09	25	25	150	12.5	CC..09T3..	M3.5*9	Q15
2020K12	20	20	125	10	CC..1204..	M5*12	Q20
2525M12	25	25	150	12.5	CC..1204..	M5*12	Q20
3232P12	32	32	170	16	CC..1204..	M5*12	Q20

Type S

SCMCN-40







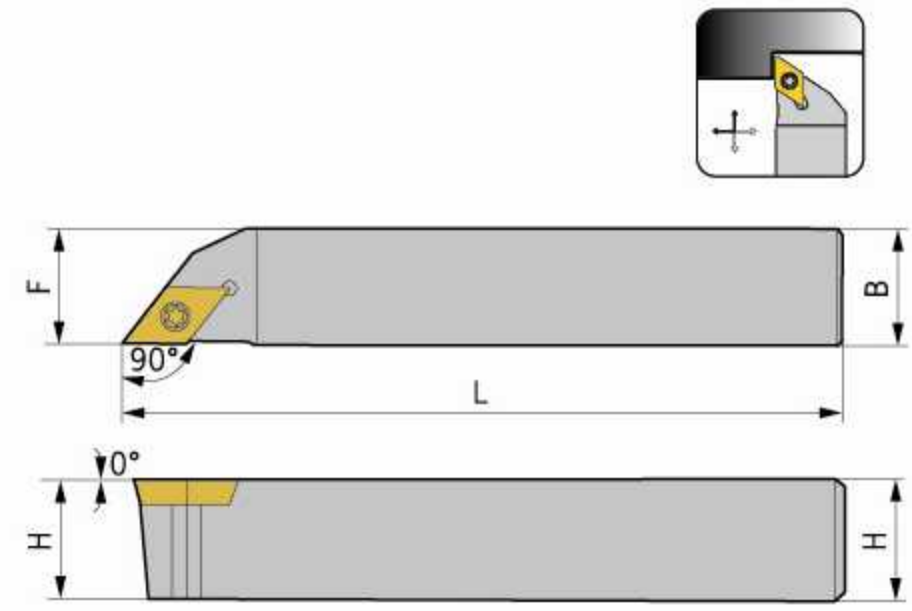
型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SCMCN	1010E06-40	10	10	70	5	CC..0602..	M2.5*7	Q08
	1212F06-40	12	12	80	6	CC..0602..	M2.5*7	Q08
	1212F09-40	12	12	80	6	CC..09T3..	M3.5*9	Q15
	1616H09-40	16	16	100	8	CC..09T3..	M3.5*9	Q15
	2020K09-40	20	20	125	10	CC..09T3..	M3.5*9	Q15
	2525M09-40	25	25	150	12.5	CC..09T3..	M3.5*9	Q15
	2020K12-40	20	20	125	10	CC..1204..	M5*12	Q20
	2525M12-40	25	25	150	12.5	CC..1204..	M5*12	Q20
	3232P12-40	32	32	170	16	CC..1204..	M5*12	Q20

Type S

SDACR/L







型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SDACR/L	0808D07	8	8	60	8	DC..0702..	M2.5*7	Q08
	1010E07	10	10	70	10	DC..0702..	M2.5*7	Q08
	1212F07	12	12	80	12	DC..0702..	M2.5*7	Q08
	1616K07	16	16	125	16	DC..0702..	M2.5*7	Q08
	1212F11	12	12	80	12	DC..11T3..	M3.5*9	Q15
	1616H11	16	16	100	16	DC..11T3..	M3.5*9	Q15
	2020K11	20	20	125	20	DC..11T3..	M3.5*9	Q15
	2525M11	25	25	150	25	DC..11T3..	M3.5*9	Q15

Type S

SDFCR/L









型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SDFCR/L	1212F07	12	12	80	16	DC..0702..	M2.5*7	Q08
	1616H11	16	16	100	20	DC..11T3..	M3.5*9	Q15
	2020K11	20	20	125	25	DC..11T3..	M3.5*9	Q15
	2525M11	25	25	150	32	DC..11T3..	M3.5*9	Q15

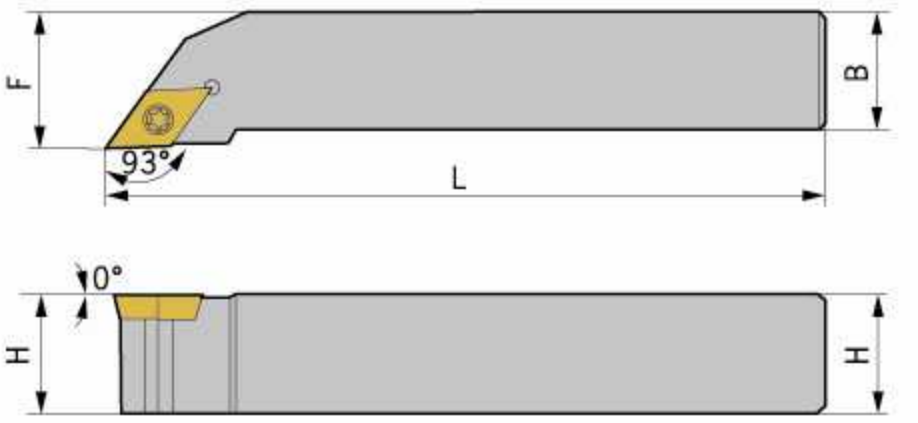
Type S

SDJCR/L









型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SDJCR/L	1010E07	10	10	70	12	DC..0702..	M2.5*7	Q08
	1212F07	12	12	80	16	DC..0702..	M2.5*7	Q08
	1616H07	16	16	100	20	DC..0702..	M2.5*7	Q08
	2020K07	20	20	125	25	DC..0702..	M2.5*7	Q08
	1212F11	12	12	80	16	DC..11T3..	M3.5*9	Q15
	1616H11	16	16	100	20	DC..11T3..	M3.5*9	Q15
	2020K11	20	20	125	25	DC..11T3..	M3.5*9	Q15
	2525M11	25	25	150	32	DC..11T3..	M3.5*9	Q15
	3232P11	32	32	170	40	DC..11T3..	M3.5*9	Q15
	4040R11	40	40	200	50	DC..11T3..	M3.5*9	Q15

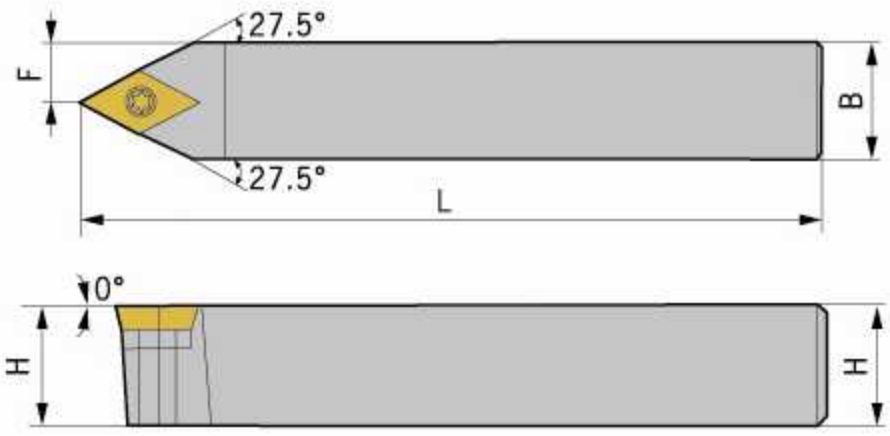
Type S

SDNCN









型號 Specification	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SDNCN 0808D07	8	8	60	4	DC..0702..	M2.5*7	Q08
1010E07	10	10	70	5	DC..0702..	M2.5*7	Q08
1212F07	12	12	80	6	DC..0702..	M2.5*7	Q08
1616H07	16	16	100	8	DC..0702..	M2.5*7	Q08
1212F11	12	12	80	6	DC..11T3..	M3.5*9	Q15
1616H11	16	16	100	8	DC..11T3..	M3.5*9	Q15
2020K11	20	20	125	10	DC..11T3..	M3.5*9	Q15
2525M11	25	25	150	12.5	DC..11T3..	M3.5*9	Q15
3232P11	32	32	170	16	DC..11T3..	M3.5*9	Q15

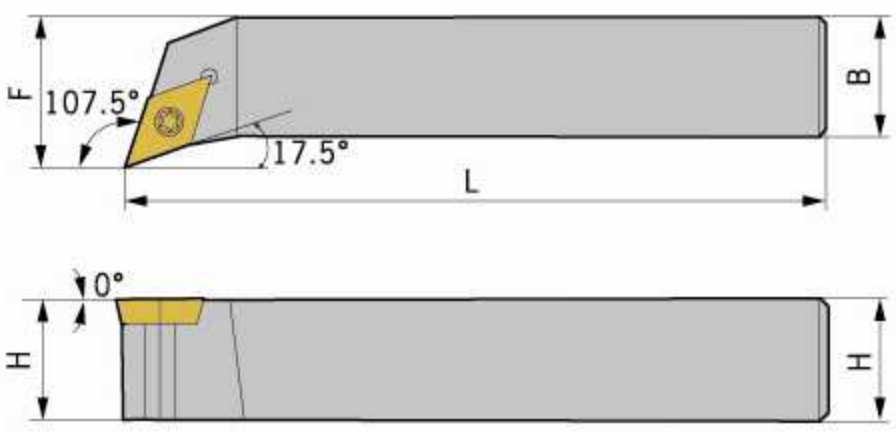
Type S

SDQCR/L









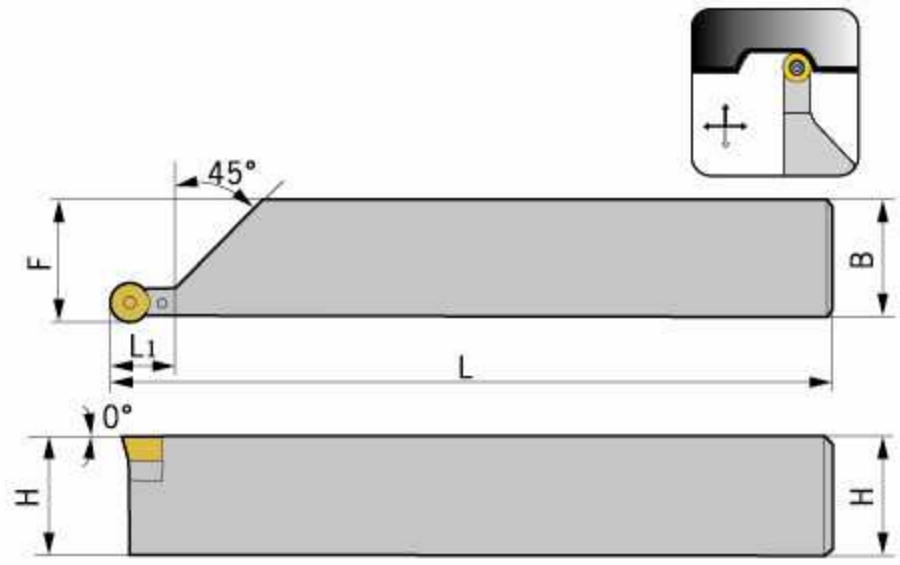
型號 Specification	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SDQCR/L 1010E07	10	10	70	12	DC..0702..	M2.5*7	Q08
1212F07	12	12	80	16	DC..0702..	M2.5*7	Q08
1212F11	12	12	80	16	DC..11T3..	M3.5*9	Q15
1616H11	16	16	100	20	DC..11T3..	M3.5*9	Q15
2020K11	20	20	125	25	DC..11T3..	M3.5*9	Q15
2525M11	25	25	150	32	DC..11T3..	M3.5*9	Q15

Type S

SRACR/L







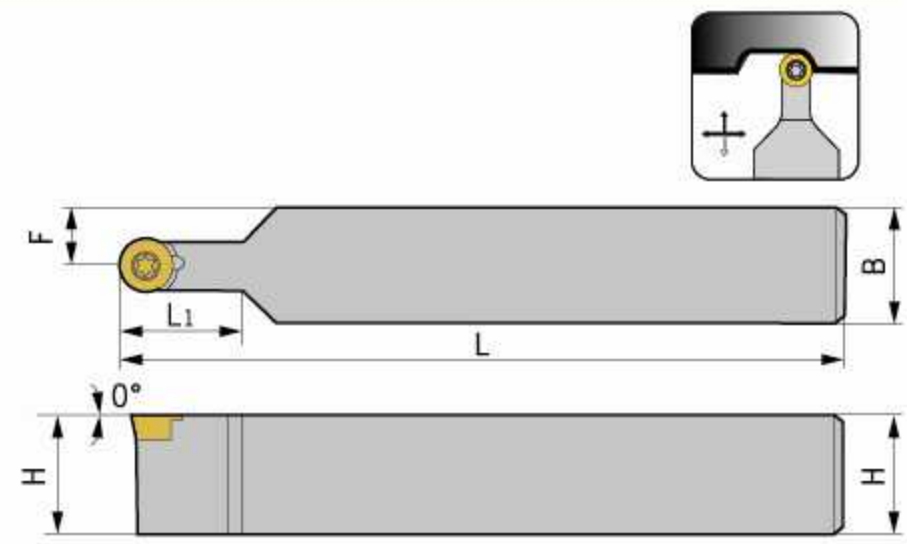
型號 Specification		H	B	L	L1	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SRACR/L	1010E05	10	10	70	10	10.3	RC..0502..	M2.2*5	Q06
	1212F05	12	12	80	10	12.3	RC..0502..	M2.2*5	Q06
	1616H05	16	16	100	10	16.3	RC..0502..	M2.2*5	Q06
	2020K05	20	20	125	10	20.3	RC..0502..	M2.2*5	Q06
	2525M05	25	25	150	10	25.3	RC..0502..	M2.2*5	Q06
	3232P05	32	32	170	10	32.3	RC..0502..	M2.2*5	Q06
	1212F06	12	12	80	12	12.4	RC..0602..	M2.5*7	Q08
	1616H06	16	16	100	12	16.4	RC..0602..	M2.5*7	Q08
	2020K06	20	20	125	12	20.4	RC..0602..	M2.5*7	Q08
	2525M06	25	25	150	12	25.4	RC..0602..	M2.5*7	Q08
	1616H08	16	16	100	16	16.5	RC..0803..	M3*7	Q08
	2020K08	20	20	125	16	20.5	RC..0803..	M3*7	Q08
	2525M08	25	25	150	16	25.5	RC..0803..	M3*7	Q08
	2020K10	20	20	125	20.3	20.4	RC..1003..	M3.5*9	Q15
	2525M10	25	25	150	20.3	25.4	RC..1003..	M3.5*9	Q15

Type S

SRDCN





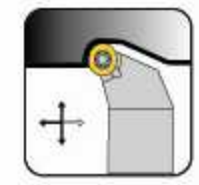


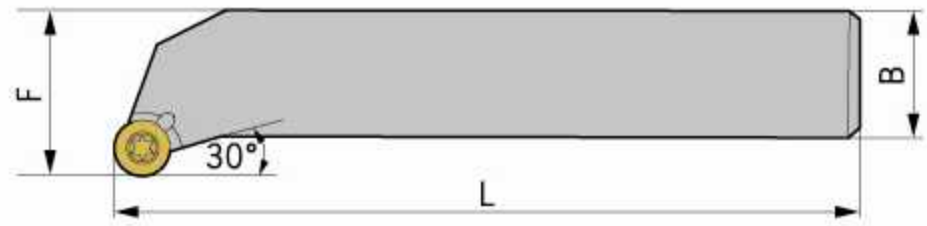
型號 Specification		H	B	L	L1	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SRDCN	1010E06	10	10	70	12	5	RC..0602..	M2.5*7	Q08
	1212F06	12	12	80	12	6	RC..0602..	M2.5*7	Q08
	1616H06	16	16	100	12	8	RC..0602..	M2.5*7	Q08
	2020K06	20	20	125	12	10	RC..0602..	M2.5*7	Q08
	2525M06	25	25	150	12	12.5	RC..0602..	M2.5*7	Q08
	1010E08	10	10	70	16	5	RC..0803..	M3*7	Q08
	1212F08	12	12	80	16	6	RC..0803..	M3*7	Q08
	1616H08	16	16	100	16	8	RC..0803..	M3*7	Q08
	2020K08	20	20	125	16	10	RC..0803..	M3*7	Q08
	2525M08	25	25	150	16	12.5	RC..0803..	M3*7	Q08
	1010E10	10	10	70	20.3	5	RC..1003..	M3.5*9	Q15
	1212F10	12	12	80	20.3	6	RC..1003..	M3.5*9	Q15
	1616H10	16	16	100	20.3	8	RC..1003..	M3.5*9	Q15
	2020K10	20	20	125	20.3	10	RC..1003..	M3.5*9	Q15
	2525M10	25	25	150	20.3	12.5	RC..1003..	M3.5*9	Q15

Type S

SRGCR/L











型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SRGCR/L	1212F05	12	12	80	16	RC..0502..	M2.2*5	Q06
	1616H05	16	16	100	20	RC..0502..	M2.2*5	Q06
	2020K05	20	20	125	25	RC..0502..	M2.2*5	Q06
	2525M05	25	25	150	32	RC..0502..	M2.2*5	Q06
	1212F06	12	12	80	16	RC..0602..	M2.5*7	Q08
	1616H06	16	16	100	20	RC..0602..	M2.5*7	Q08
	2020K06	20	20	125	25	RC..0602..	M2.5*7	Q08
	2525M06	25	25	150	32	RC..0602..	M2.5*7	Q08
	1616H08	16	16	100	20	RC..0803..	M3*7	Q08
	2020K08	20	20	125	25	RC..0803..	M3*7	Q08
	2525M08	25	25	150	32	RC..0803..	M3*7	Q08

Type S

STECR/L











型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
STECR/L	2020K11	20	20	125	14.5	TC..1102..	M2.5*7	Q08
	2525M11	25	25	150	19.5	TC..1102..	M2.5*7	Q08
	2020K16	20	20	125	12	TC..16T3..	M3.5*9	Q15
	2525M16	25	25	150	17	TC..16T3..	M3.5*9	Q15

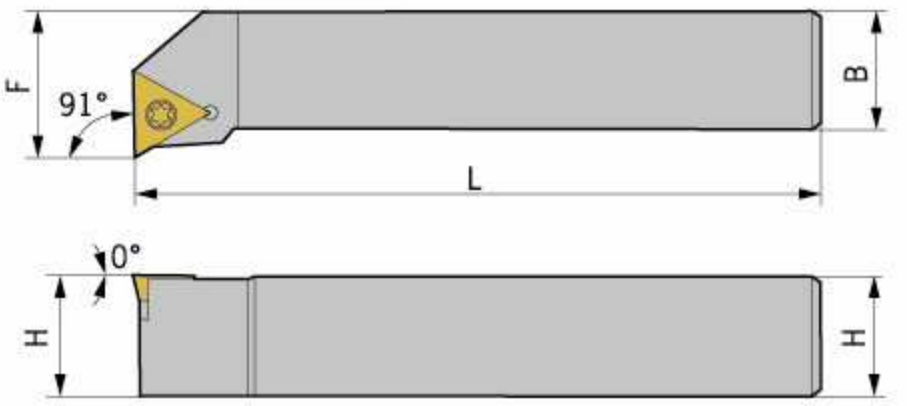
Type S

STFCR/L





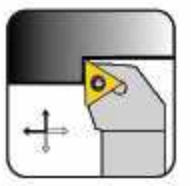




型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
STFCR/L	1212F09	12	12	80	16	TC..0902..	M2.2*5	Q06
	1212F11	12	12	80	16	TC..1102..	M2.5*7	Q08
	1616H11	16	16	100	20	TC..1102..	M2.5*7	Q08
	1616H16	16	16	100	20	TC..16T3..	M3.5*9	Q15
	2020K16	20	20	125	25	TC..16T3..	M3.5*9	Q15
	2525M16	25	25	150	32	TC..16T3..	M3.5*9	Q15
	3232P16	32	32	170	40	TC..16T3..	M3.5*9	Q15

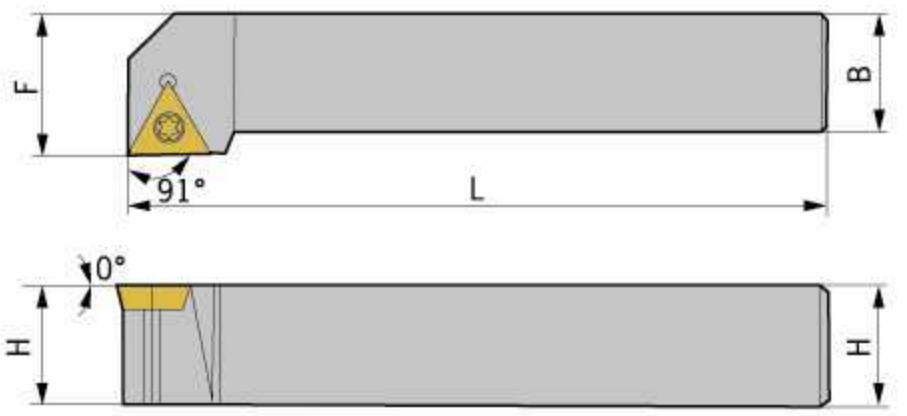
Type S

STGCR/L





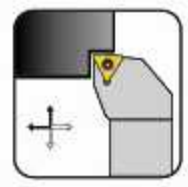




型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
STGCR/L	1010F09	10	10	80	12	TC..0902..	M2.2*5	Q06
	1616H11	16	16	100	20	TC..1102..	M2.5*7	Q08
	2020K16	20	20	125	25	TC..16T3..	M3.5*9	Q15
	2525M16	25	25	150	32	TC..16T3..	M3.5*9	Q15
	3232P16	32	32	170	40	TC..16T3..	M3.5*9	Q15

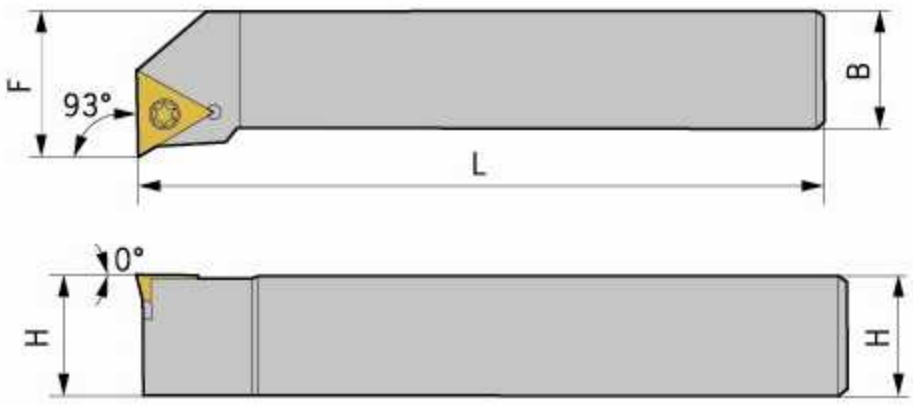
Type S

STUCR/L





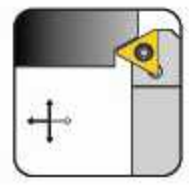




型號 Specification	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
STUCR/L1212F11	12	12	80	16	TC..1102..	M2.5*7	Q08
1616H11	16	16	100	20	TC..1102..	M2.5*7	Q08
2020K16	20	20	125	25	TC..16T3..	M3.5*9	Q15
2525M16	25	25	150	32	TC..16T3..	M3.5*9	Q15
3232P16	32	32	170	40	TC..16T3..	M3.5*9	Q15

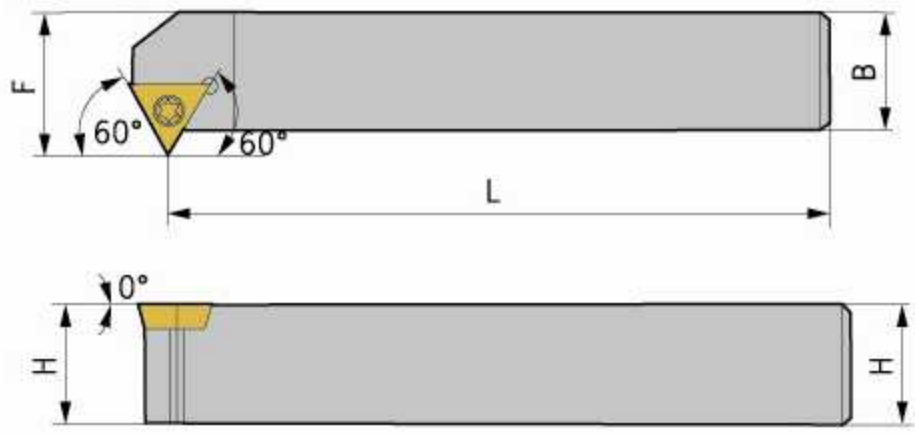
Type S

STWCR/L









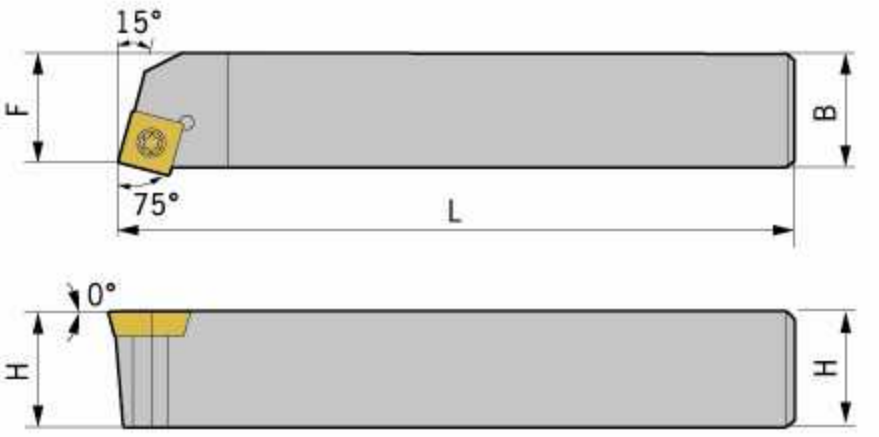
型號 Specification	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
STWCR/L1212F11	12	12	80	15.3	TC..1102..	M2.5*7	Q08
1616H11	16	16	100	19.3	TC..1102..	M2.5*7	Q08
2020K11	20	20	125	23.3	TC..1102..	M2.5*7	Q08
2525M11	25	25	150	28.3	TC..1102..	M2.5*7	Q08
1616H16	16	16	100	21	TC..16T3..	M3.5*9	Q15
2020K16	20	20	125	26	TC..16T3..	M3.5*9	Q15
2525M16	25	25	150	31	TC..16T3..	M3.5*9	Q15
3232P16	32	32	170	38	TC..16T3..	M3.5*9	Q15

Type S

SSBCR/L







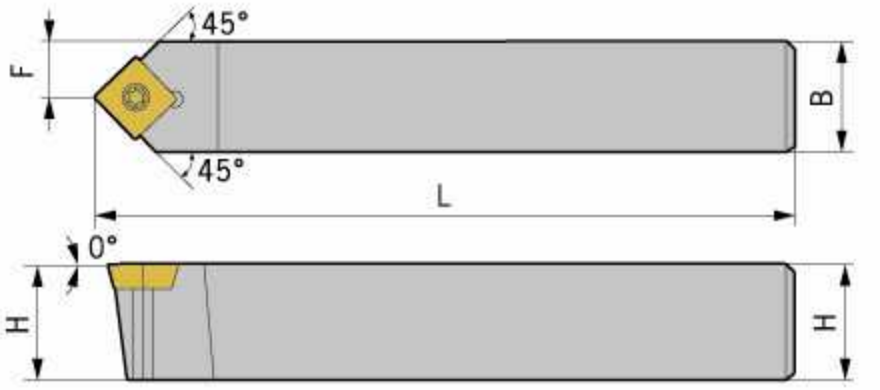
型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SSBCR/L	1212F09	12	12	80	9.5	SC..09T3..	M3.5*9	Q15
	1616H09	16	16	100	13	SC..09T3..	M3.5*9	Q15
	2020K09	20	20	125	17	SC..09T3..	M3.5*9	Q15
SSBCN	1616H12	20	20	125	17	SC..1204..	M5*12	Q20
	2525M12	25	25	150	22	SC..1204..	M5*12	Q20
	2020K12	16	16	100	13	SC..1204..	M5*12	Q20

Type S

SSDCN







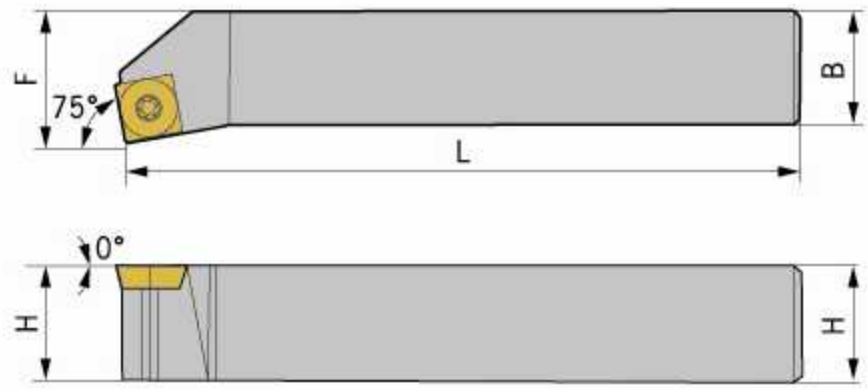
型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SSDCN	1212F09	12	12	80	6	SC..09T3..	M3.5*9	Q15
	1616H09	16	16	100	8	SC..09T3..	M3.5*9	Q15
	2020K09	20	20	125	10	SC..09T3..	M3.5*9	Q15
	2525M09	25	25	150	12.5	SC..09T3..	M3.5*9	Q15
	1616H12	16	16	100	8	SC..1204..	M5*12	Q20
	2020K12	20	20	125	10	SC..1204..	M5*12	Q20
	2525M12	25	25	150	12.5	SC..1204..	M5*12	Q20

Type S

SSKCR/L







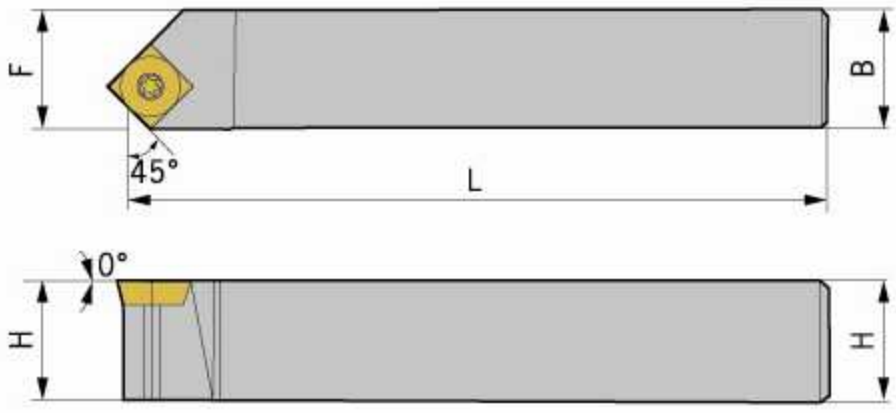
型號 Specification	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SSKCR/L 1212F09	12	12	80	16	SC..09T3..	M3.5*9	Q15
1616H09	16	16	100	20	SC..09T3..	M3.5*9	Q15
2020K09	20	20	125	25	SC..09T3..	M3.5*9	Q15
2525M09	25	25	150	32	SC..09T3..	M3.5*9	Q15
2525M12	25	25	150	32	SC..1204..	M5*12	Q20

Type S

SSSCR/L







型號 Specification	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SSSCR/L 1212F09	12	12	80	16	SC..09T3..	M3.5*9	Q15
1616H09	16	16	100	20	SC..09T3..	M3.5*9	Q15
2020K09	20	20	125	25	SC..09T3..	M3.5*9	Q15
2525M09	25	25	150	32	SC..09T3..	M3.5*9	Q15
2525M12	25	25	150	32	SC..1204..	M5*12	Q20

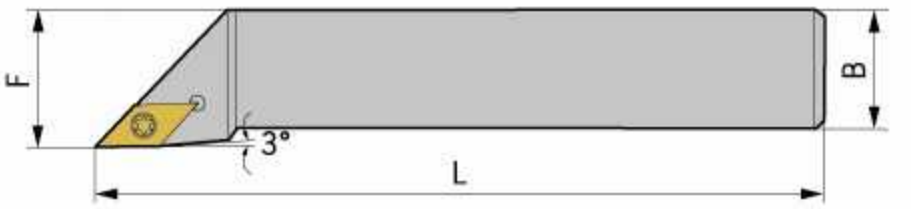
Type S

SVJ*R/L











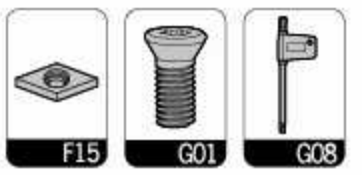
型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SVJBR/L	2020K11	20	20	125	25	VB..1103..	M2.5*7	Q08
	1212F11	12	12	80	16	VB..1103..	M2.5*7	Q08
	1616H11	16	16	100	20	VB..1103..	M2.5*7	Q08
	2020K11	20	20	125	25	VB..1103..	M2.5*7	Q08
	2525M11	25	25	150	32	VB..1103..	M2.5*7	Q08
	1616H16	16	16	100	20	VB..1604..	M3.5*9	Q15
	2020K16	20	20	125	25	VB..1604..	M3.5*9	Q15
	2525M16	25	25	150	32	VB..1604..	M3.5*9	Q15
	3232P16	32	32	170	40	VB..1604..	M3.5*9	Q15
SVJCR/L	1212F11	12	12	80	16	VC..1103..	M2.5*7	Q08
	1616H11	16	16	100	20	VC..1103..	M2.5*7	Q08
	2020K11	20	20	125	25	VC..1103..	M2.5*7	Q08
	2525M11	25	25	150	32	VC..1103..	M2.5*7	Q08
	1616H16	16	16	100	20	VC..1604..	M3.5*9	Q15
	2020K16	20	20	125	25	VC..1604..	M3.5*9	Q15
	2525M16	25	25	150	32	VC..1604..	M3.5*9	Q15
	3232P16	32	32	170	40	VC..1604..	M3.5*9	Q15

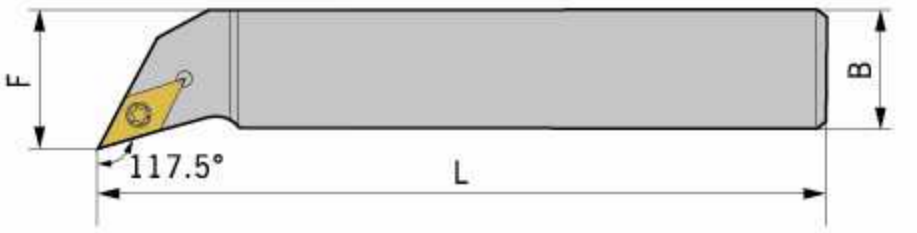
Type S

SVQ*R/L











型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SVQBR/L	1616H11	16	16	100	20	VB..1103..	M2.5*7	Q08
	2020K11	20	20	125	25	VB..1103..	M2.5*7	Q08
	1616H16	16	16	100	20	VB..1604..	M3.5*9	Q15
	2020K16	20	20	125	25	VB..1604..	M3.5*9	Q15
	2525M16	25	25	150	32	VB..1604..	M3.5*9	Q15
	3232P16	32	32	170	40	VB..1604..	M3.5*9	Q15
SVQCR/L	1616H11	16	16	100	20	VC..1103..	M2.5*7	Q08
	2020K11	20	20	125	25	VC..1103..	M2.5*7	Q08
	1616H16	16	16	100	20	VC..1604..	M3.5*9	Q15
	2020K16	20	20	125	25	VC..1604..	M3.5*9	Q15
	2525M16	25	25	150	32	VC..1604..	M3.5*9	Q15
	3232P16	32	32	170	40	VC..1604..	M3.5*9	Q15

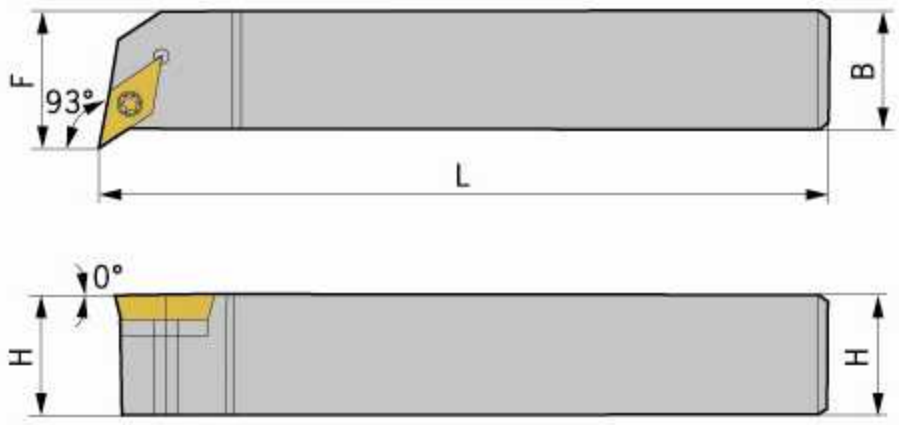
Type S

SVU*R/L









型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SVUBR/L	1616H11	16	16	100	20	VB..1103..	M2.5*7	Q08
	1616H16	16	16	100	29	VB..1604..	M3.5*9	Q15
	2020K16	20	20	125	30	VB..1604..	M3.5*9	Q15
	2525M16	25	25	150	32	VB..1604..	M3.5*9	Q15
SVUCR/L	1616H11	16	16	100	20	VC..1103..	M2.5*7	Q08
	1616H16	16	16	100	29	VC..1604..	M3.5*9	Q15
	2020K16	20	20	125	30	VC..1604..	M3.5*9	Q15
	2525M16	25	25	150	32	VC..1604..	M3.5*9	Q15

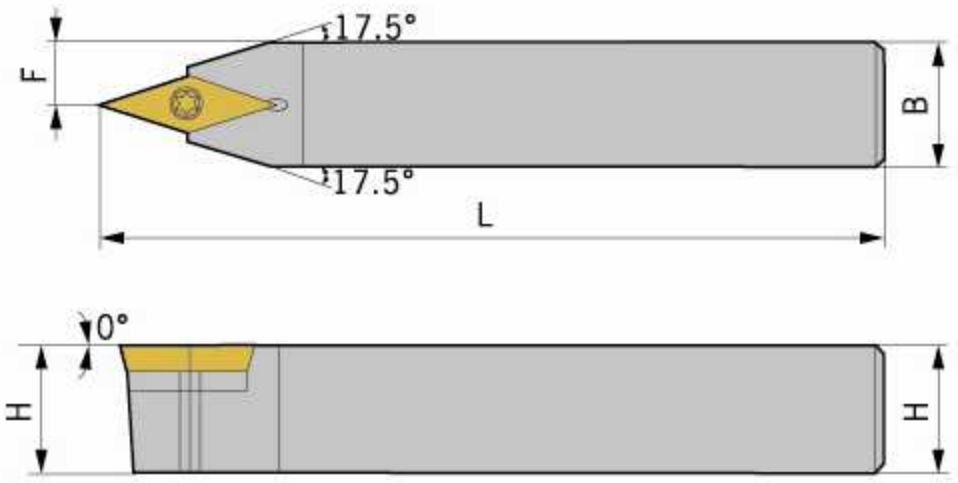
Type S

SVV*N









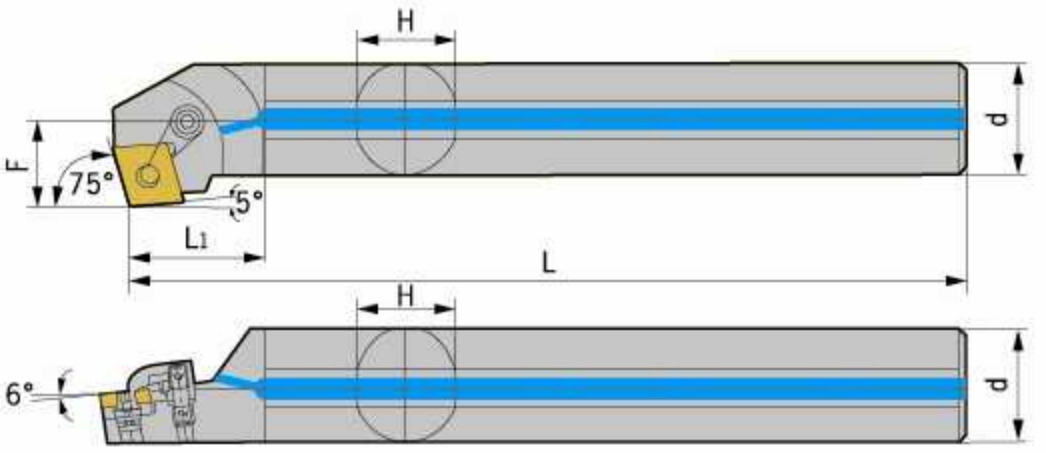
型號 Specification		H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SVVBN	1212F11	12	12	80	6	VB..1103..	M2.5*7	Q08
	1616H11	16	16	100	8	VB..1103..	M2.5*7	Q08
	2020K11	20	20	125	10	VB..1103..	M2.5*7	Q08
	2525M11	25	25	150	12.5	VB..1103..	M2.5*7	Q08
	1616H16	16	16	100	8	VB..1604..	M3.5*9	Q15
	2020K16	20	20	125	10	VB..1604..	M3.5*9	Q15
	2525M16	25	25	150	12.5	VB..1604..	M3.5*9	Q15
	3232P16	32	32	170	16	VB..1604..	M3.5*9	Q15
SVVCN	1212F11	12	12	80	6	VC..1103..	M2.5*7	Q08
	1616H11	16	16	100	8	VC..1103..	M2.5*7	Q08
	2020K11	20	20	125	10	VC..1103..	M2.5*7	Q08
	2525M11	25	25	150	12.5	VC..1103..	M2.5*7	Q08
	1616H16	16	16	100	8	VC..1604..	M3.5*9	Q15
	2020K16	20	20	125	10	VC..1604..	M3.5*9	Q15
	2525M16	25	25	150	12.5	VC..1604..	M3.5*9	Q15
	3232P16	32	32	170	16	VC..1604..	M3.5*9	Q15

Type M

MCKNR/L







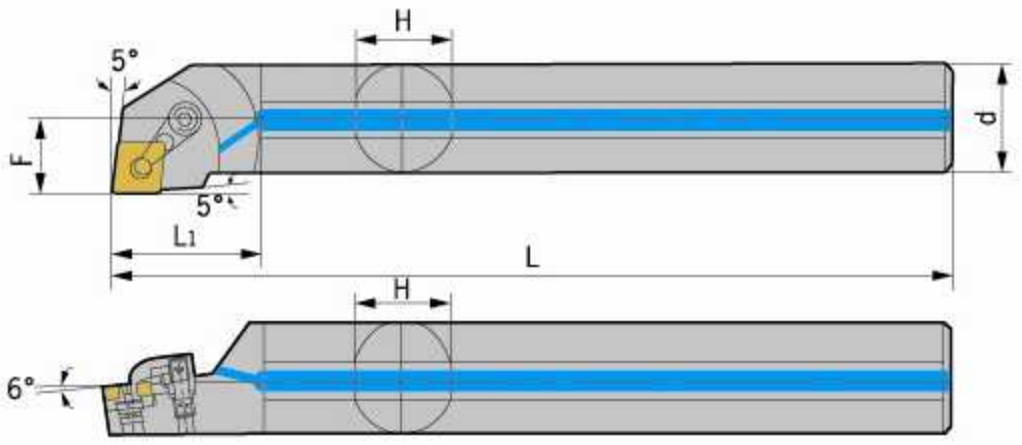


型號 Specification	最小加工徑 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MCKNR/L12	26	20	14	180	34	18	15°	CN..1204..	-	MX0613	MY0515	ML0520	L025	-
S25R-MCKNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY061910	ML0620	L025,L03	-
S32S-MCKNR/L12	40	32	22.5	250	54	30	17°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	-
S40T-MCKNR/L12	50	40	26	300	68	37	15°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	-
S50U-MCKNR/L12	60	50	33	350	85	47	12°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	-
S60V-MCKNR/L12	70	60	36	400	102	56	10°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	-
S50U-MCKNR/L19	60	50	32.5	350	85	47	12°	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04	-
H20Q-MCKNR/L12	26	20	14	180	34	18	15°	CN..1204..	-	MX0613	MY0515	ML0520	L025	-
H25R-MCKNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY061910	ML0620	L025,L03	-
A20Q-MCKNR/L12	26	20	14	180	34	18	15°	CN..1204..	-	MX0613	MY0515	ML0520	L025	√
A25R-MCKNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY061910	ML0620	L025,L03	√
A32S-MCKNR/L12	40	32	22.5	250	54	30	17°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	√
A40T-MCKNR/L12	50	40	26	300	68	37	15°	CN..1204..	MC1204	MX0617	MY0619	MY0625	L025,L03	√
A50U-MCKNR/L19	60	50	32.5	350	85	47	12°	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04	√

MCLNR/L









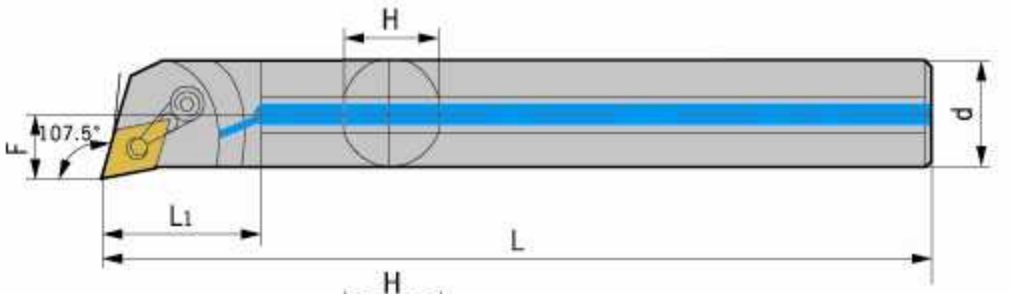
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MCLNR/L12	25	20	13	180	34	18	15°	CN..1204..	-	MX0613	MY0515	ML0520	L025	-
S25R-MCLNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY061910	ML0620	L025,L03	-
S32S-MCLNR/L12	40	32	22.5	250	54	30	17°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	-
S40T-MCLNR/L12	50	40	26	300	68	37	15°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	-
S45U-MCLNR/L12	55	45	29.5	350	77	42	15°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	-
S50U-MCLNR/L12	60	50	31	350	85	47	12°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	-
S60V-MCLNR/L12	70	60	36	400	102	56	10°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	-
S50U-MCLNR/L19	60	50	31	350	85	47	12°	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04	-
H20Q-MCLNR/L12	25	20	13	180	34	18	15°	CN..1204..	-	MX0613	MY0515	ML0520	L025	-
H25R-MCLNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY061910	ML0620	L025,L03	-
H32S-MCLNR/L12	40	32	22.5	250	54	30	17°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	-
A20Q-MCLNR/L12	25	20	13	180	34	18	15°	CN..1204..	-	MX0613	MY0515	ML0520	L025	√
A25R-MCLNR/L12	32	25	16.5	200	43	23	12°	CN..1204..	-	MX0613	MY061910	ML0620	L025,L03	√
A32S-MCLNR/L12	40	32	22.5	250	54	30	17°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	√
A40T-MCLNR/L12	50	40	26	300	68	37	15°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	√
A45U-MCLNR/L12	55	45	29.5	350	77	42	15°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	√
A50U-MCLNR/L12	60	50	31	350	85	47	12°	CN..1204..	MC1204	MX0617	MY0619	ML0625	L025,L03	√
A50U-MCLNR/L19	60	50	31	350	85	47	12°	CN..1906..	MC1904	MX1022	MY0823	ML0828	L04	√

Type M

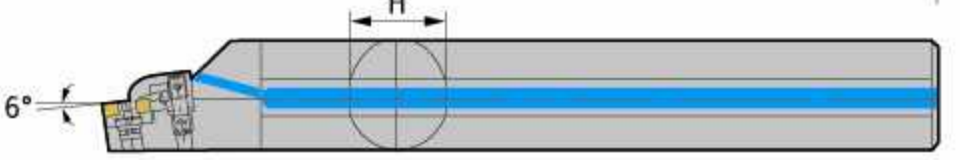
MDQNR/L











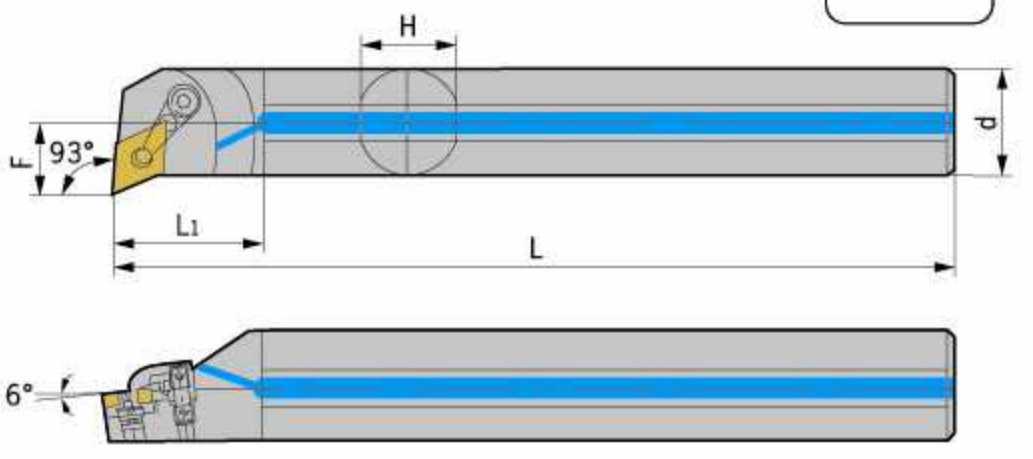
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S25R-MDQNR/L15	32	25	17	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0625	L025,L03	-
S32S-MDQNR/L15	42	32	22.5	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
S40T-MDQNR/L15	50	40	26	300	68	37	15°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
S50U-MDQNR/L15	63	50	33	350	85	47	12°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
H25R-MDQNR/L15	32	25	17	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0625	L025,L03	-
H32S-MDQNR/L15	42	32	22.5	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
A25R-MDQNR/L15	32	25	17	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0625	L025,L03	√
A32S-MDQNR/L15	42	32	22.5	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	√
A40T-MDQNR/L15	50	40	26	300	68	37	15°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	√

Type M

MDUNR/L









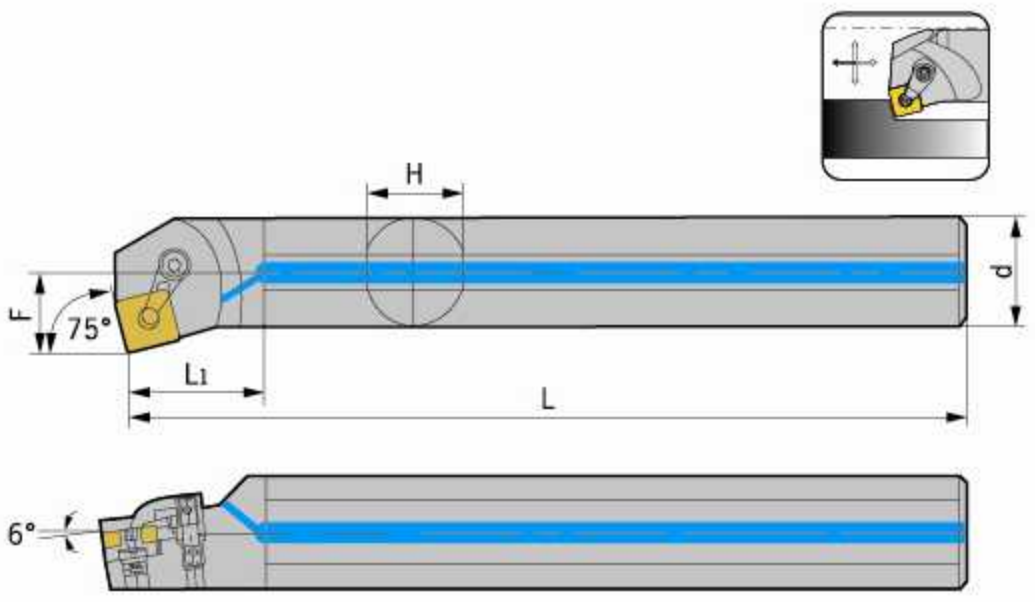
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S25R-MDUNR/L15	32	25	16	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0620	L025,L03	-
S32S-MDUNR/L15	40	32	21	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
S40T-MDUNR/L15	50	40	26	300	68	37	15°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
S50U-MDUNR/L15	60	50	32	350	85	47	12°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
H25R-MDUNR/L15	32	25	16	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0620	L025,L03	-
H32S-MDUNR/L15	40	32	21	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	-
A25R-MDUNR/L15	32	25	16	200	43	23	12°	DN..1504..	-	MX0613	MY0621	ML0620	L025,L03	√
A32S-MDUNR/L15	40	32	21	250	54	30	17°	DN..1504..	MD1504	MX0617	MY0621	ML0625	L025,L03	√

Type M

MSKNR/L







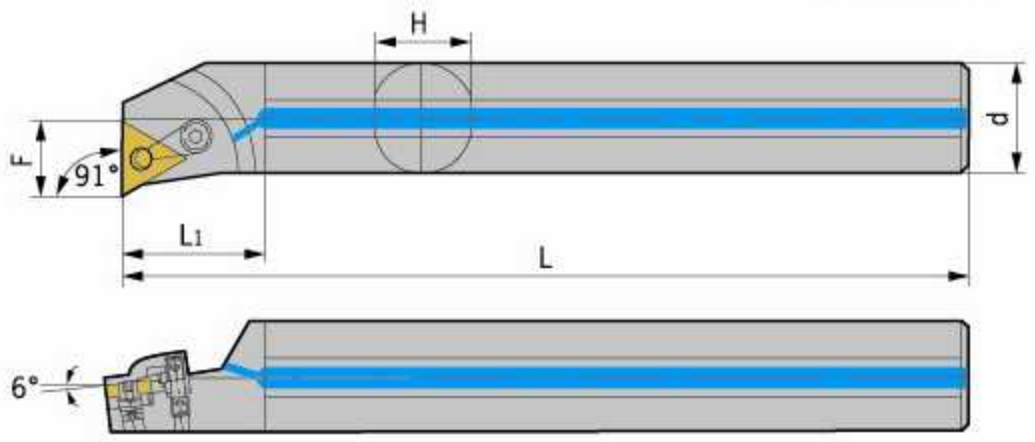
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MSKNR/L12	25	20	13	180	34	18	15°	SN..1204..	-	MX0611	MY0515	ML0516	L025	-
S25R-MSKNR/L12	32	25	17	200	43	23	12°	SN..1204..	-	MX0613	MY061910	ML0620	L025,L03	-
S32S-MSKNR/L12	40	32	22	250	54	30	17°	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03	-
S40T-MSKNR/L12	50	40	27	300	68	37	15°	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03	-
S45U-MSKNR/L12	55	45	30	350	77	42	15°	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03	-
S50U-MSKNR/L12	63	50	34	350	85	47	12°	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03	-
H20Q-MSKNR/L12	25	20	13	180	34	18	15°	SN..1204..	-	MX0611	MY0515	ML0516	L025	-
H25R-MSKNR/L12	32	25	17	200	43	23	12°	SN..1204..	-	MX0613	MY061910	ML0620	L025,L03	-
A20Q-MSKNR/L12	25	20	13	180	34	18	15°	SN..1204..	-	MX0611	MY0515	ML0516	L025	√
A25R-MSKNR/L12	32	25	17	200	43	23	12°	SN..1204..	-	MX0613	MY061910	ML0620	L025,L03	√
A32S-MSKNR/L12	40	32	22	250	54	30	17°	SN..1204..	MS1204	MX0617	MY0619	ML0625	L025,L03	√

Type M

MTFNR/L







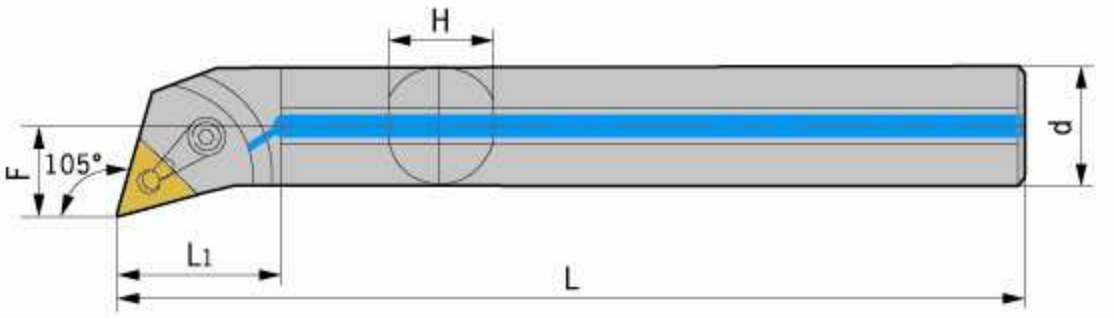
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MTFNR/L16	25	20	13	180	34	18	15°	TN..1604..	-	MX0510	MY0515	ML0520	L02,L025	-
S25R-MTFNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	-
S32S-MTFNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTFNR/L16	50	40	26.5	300	68	37	15°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S50U-MTFNR/L16	60	50	31	350	85	47	12°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTFNR/L22	50	40	26	300	68	37	15°	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04	-
S50U-MTFNR/L22	60	50	31	350	85	47	12°	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04	-
H20Q-MTFNR/L16	25	20	13	180	34	18	15°	TN..1604..	-	MX0510	MY0515	ML0520	L02,L025	-
H25R-MTFNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	-
H32S-MTFNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
A20Q-MTFNR/L16	25	20	13	180	34	18	15°	TN..1604..	-	MX0510	MY0515	ML0516	L02,L025	√
A25R-MTFNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	√
A32S-MTFNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	√

Type M

MTQNR/L









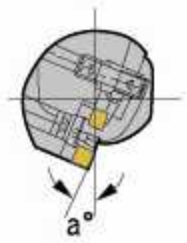


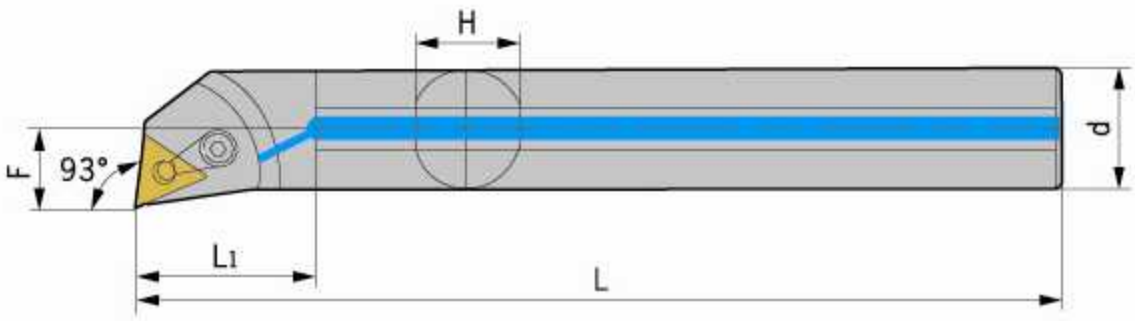


型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MTQNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515	ML0520	L02,L025	-
S25R-MTQNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	-
S32S-MTQNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTQNR/L16	50	40	26.5	300	68	37	15°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S50U-MTQNR/L16	60	50	31	350	85	47	12°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
H20Q-MTQNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515	ML0520	L02,L025	-
H25R-MTQNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	-
H32S-MTQNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
A20Q-MTQNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515	ML0520	L02,L025	√
A25R-MTQNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	√
A32S-MTQNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	√
A40T-MTQNR/L16	50	40	26.5	300	68	37	15°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	√

MTUNR/L











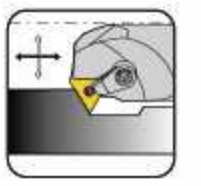


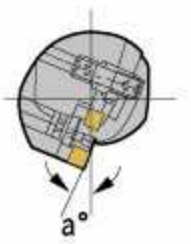
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MTUNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515	ML0520	L02,L025	-
S25R-MTUNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	-
S32S-MTUNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTUNR/L16	50	40	26.5	300	68	37	15°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S45U-MTUNR/L16	55	45	30	350	77	42	15°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S50U-MTUNR/L16	60	50	31	350	85	47	12°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S60V-MTUNR/L16	70	60	36	400	102	56	10°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTUNR/L22	50	40	26.5	300	68	37	15°	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04	-
S50U-MTUNR/L22	60	50	31	350	85	47	12°	TN..2204..	MT2204	MX0617	MY0819	ML0828	L025,L04	-
H20Q-MTUNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515	ML0520	L02,L025	-
H25R-MTUNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	-
H32S-MTUNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
A20Q-MTUNR/L16	25	20	12.5	180	34	18	15°	TN..1604..	-	MX0510	MY0515	ML0520	L02,L025	√
A25R-MTUNR/L16	32	25	16	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	√
A32S-MTUNR/L16	41	32	22.5	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	√

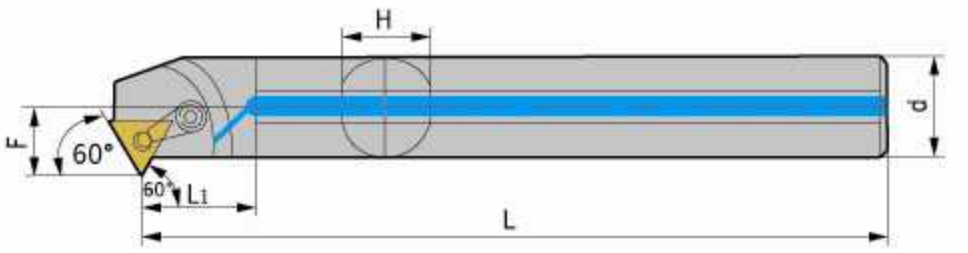
Type M

MTWNR/L

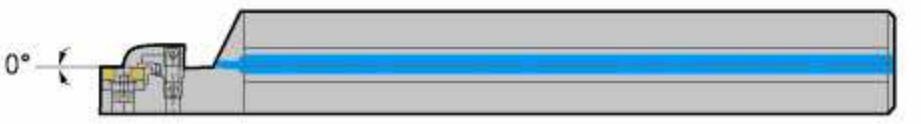












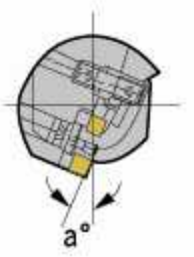
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MTWNR/L16	27	20	14	180	34	18	15°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	-
S25R-MTWNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	-
S32S-MTWNR/L16	39	32	20	250	54	30	17°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S40T-MTWNR/L16	50	40	24	300	68	37	15°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
S50U-MTWNR/L16	57	50	29	350	85	47	12°	TN..1604..	MT1603	MX0513	MY0619	ML0625	L02,L03	-
H20Q-MTWNR/L16	27	20	14	180	34	18	15°	TN..1604..	-	MX0510	MY0515	ML0520	L02,L025	-
H25R-MTWNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	-
A20Q-MTWNR/L16	27	20	14	180	34	18	15°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	√
A25R-MTWNR/L16	32	25	16.5	200	43	23	12°	TN..1604..	-	MX0510	MY061910	ML0620	L02,L03	√

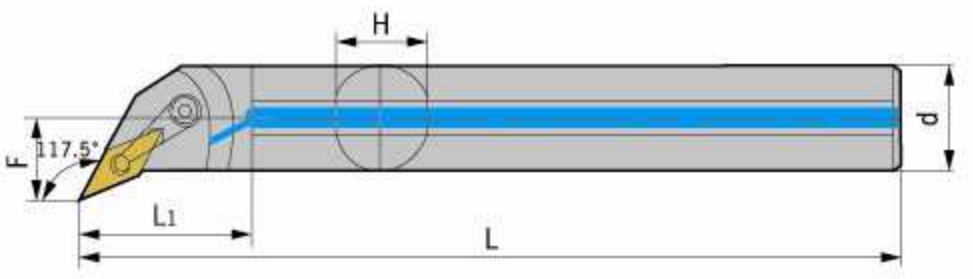
Type M

MVQNR/L

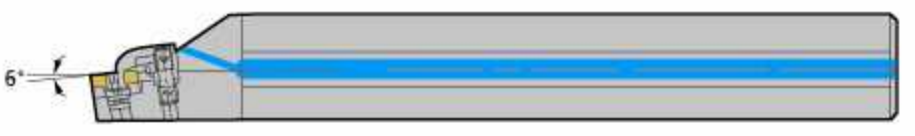












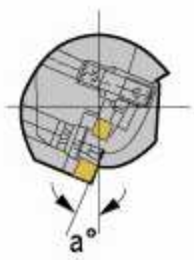
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S25R-MVQNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0513	MY0621	ML0625	L02,L03	-
S32S-MVQNR/L16	42	32	23	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
S40T-MVQNR/L16	50	40	27	300	68	37	15°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
S50U-MVQNR/L16	63	50	33	350	85	47	12°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
H25R-MVQNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
A20Q-MVQNR/L16	25	20	13	180	34	18	15°	VN..1604..	-	MX0510	MY0515A	ML0516	L02,L025	√
A25R-MVQNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	√

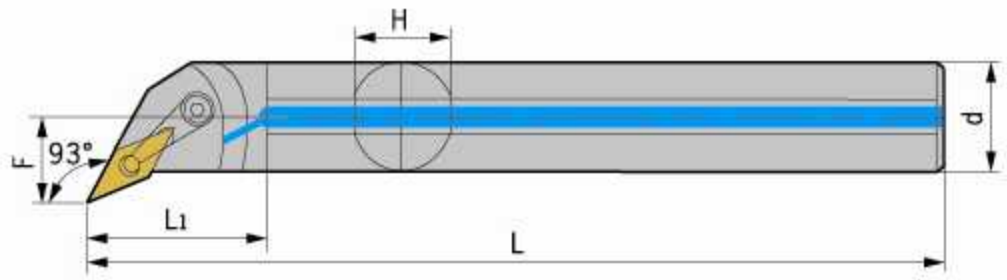
Type M

MVUNR/L













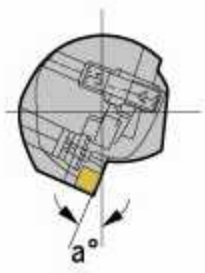
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S25R-MVUNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
S32S-MVUNR/L16	42	32	23	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
S40T-MVUNR/L16	50	40	27	300	68	37	15°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
S50U-MVUNR/L16	63	50	33	350	85	47	12°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
H25R-MVUNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
H32S-MVUNR/L16	42	32	23	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
A25R-MVUNR/L16	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	√
A32S-MVUNR/L16	42	32	23	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	√

Type M

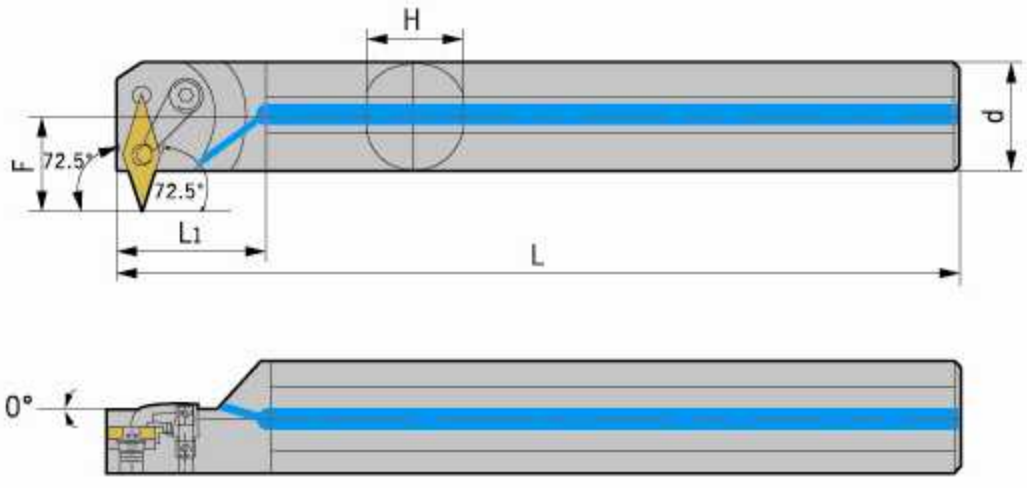
MVWNR/L











型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S25R-MVWNR/L16	40	25	26	200	43	23	12°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
S32S-MVWNR/L16	48	32	30	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
H25R-MVWNR/L16	40	25	26	200	43	23	12°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-

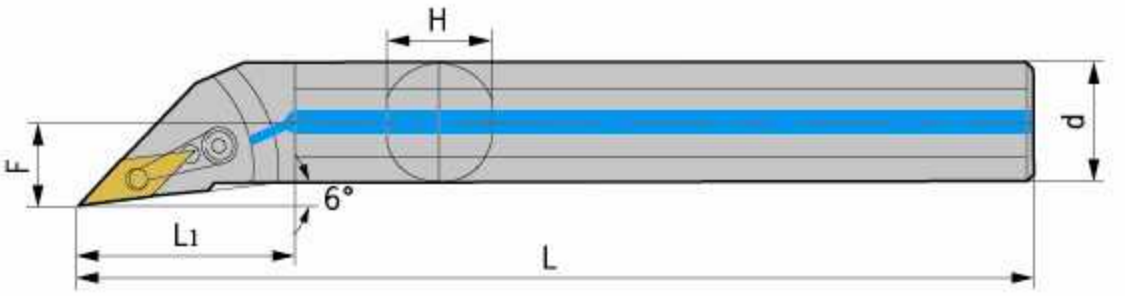
Type M

MVXNR/L











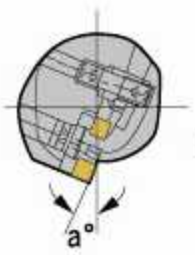


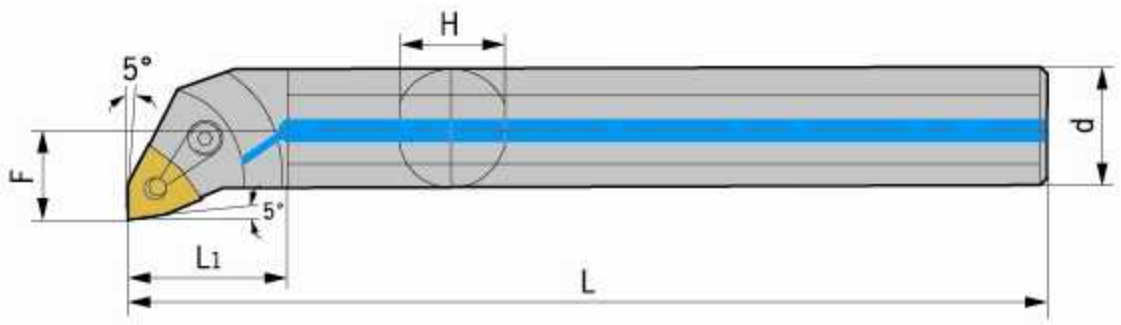
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MVXNR/L16-G6	27	20	14	180	34	18	15°	VN..1604..	-	MX0510	MY0621	ML0620	L02,L03	-
S25R-MVXNR/L16-G6	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
S32S-MVXNR/L16-G6	42	32	23	250	54	30	17°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
S40T-MVXNR/L16-G6	50	40	27	300	68	37	15°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
S50U-MVXNR/L16-G6	61	50	31	350	85	47	12°	VN..1604..	MV1603	MX0513	MY0621	ML0625	L02,L03	-
H20Q-MVXNR/L16-G6	27	20	14	180	34	18	15°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
H25R-MVXNR/L16-G6	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	-
A20Q-MVXNR/L16-G6	27	20	14	180	34	18	15°	VN..1604..	-	MX0510	MY0621	ML0620	L02,L03	√
A25R-MVXNR/L16-G6	32	25	17	200	43	23	12°	VN..1604..	-	MX0510	MY0621	ML0625	L02,L03	√

Type M

MWLNR/L











型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	刀墊 Shim	中心螺絲 Center screw	壓板 Clamp	壓板螺絲 Clamp screw	扳手 Wrench	出水孔 Water hole
S20Q-MWLNR/L06	25	20	13	180	34	18	15°	WN..0604..	-	MX0510	MY0515	ML0520	L025,L02	-
S25R-MWLNR/L06	32	25	16.5	200	43	23	12°	WN..0604..	-	MX0510	MY0515	ML0520	L025,L02	-
S20Q-MWLNR/L08	25	20	13	180	34	18	15°	WN..0804..	-	MX0613	MY0515	ML0618	L025	-
S25R-MWLNR/L08	32	25	16.5	200	43	23	12°	WN..0804..	-	MX0613	MY061910	ML0620	L025,L03	-
S32S-MWLNR/L08	41	32	22	250	54	30	17°	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03	-
S40T-MWLNR/L08	50	40	26	300	68	37	15°	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03	-
S50U-MWLNR/L08	60	50	31	350	85	47	12°	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03	-
H20Q-MWLNR/L06	25	20	13	180	34	18	15°	WN..0604..	-	MX0510	MY0515	ML0520	L02,L025	-
H25R-MWLNR/L06	32	25	16.5	200	43	23	12°	WN..0604..	-	MX0510	MY0515	ML0520	L02,L025	-
H20Q-MWLNR/L08	25	20	13	180	34	18	15°	WN..0804..	-	MX0613	MY0515	ML0520	L025	-
H25R-MWLNR/L08	32	25	16.5	200	43	23	12°	WN..0804..	-	MX0613	MY061910	ML0620	L025,L03	-
H32S-MWLNR/L08	41	32	22	250	54	30	17°	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03	-
A20Q-MWLNR/L06	25	20	13	180	34	18	15°	WN..0604..	-	MX0510	MY0515	ML0520	L025,L02	√
A25R-MWLNR/L06	32	25	16.5	200	43	23	12°	WN..0604..	-	MX0510	MY0515	ML0520	L025,L02	√
A20Q-MWLNR/L08	25	20	13	180	34	18	15°	WN..0804..	-	MX0613	MY0515	ML0520	L025	√
A25R-MWLNR/L08	32	25	16.5	200	43	23	12°	WN..0804..	-	MX0613	MY061910	ML0620	L025,L03	√
A32S-MWLNR/L08	41	32	22	250	54	30	17°	WN..0804..	MW0804	MX0617	MY0619	ML0625	L025,L03	√

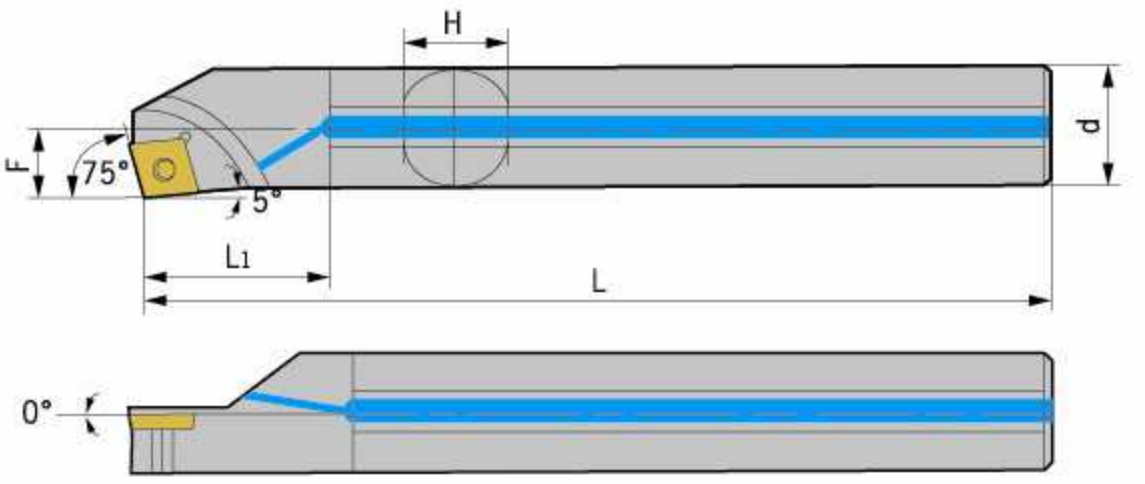
Type S

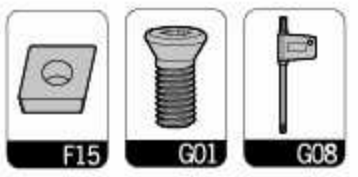
SCK*R/L











型號 Specification	最小加工徑 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S08K-SCKCR/L06	10	8	5.5	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
S10K-SCKCR/L06	13	10	6	125	17	9	12°	CC..0602..	M2.5*6	Q08	-
S12M-SCKCR/L06	16	12	7	150	20	11	10°	CC..0602..	M2.5*6	Q08	-
S12M-SCKCR/L09	16	12	8	150	20	11	12°	CC..09T3..	M3.5*8	Q15	-
S16N-SCKCR/L09	20	16	9.5	160	27	15	10°	CC..09T3..	M3.5*8	Q15	-
S20Q-SCKCR/L09	24	20	11.5	180	34	18	8°	CC..09T3..	M3.5*8	Q15	-
S25R-SCKCR/L09	31	25	14	200	43	23	8°	CC..09T3..	M3.5*9	Q15	-
H08K-SCKCR/L06	10	8	5.5	125	16	7	13°	CC..0602..	M2.5*5	Q08	-
H10K-SCKCR/L06	13	10	6	125	20	9	12°	CC..0602..	M2.5*5	Q08	-
H12M-SCKCR/L06	16	12	7	150	24	11	10°	CC..0602..	M2.5*6	Q08	-
H12M-SCKCR/L09	16	12	8	150	24	11	12°	CC..09T3..	M3.5*8	Q15	-
H16N-SCKCR/L09	20	16	9.5	160	32	15	10°	CC..09T3..	M3.5*8	Q15	-
C08K-SCKCR/L06	10	8	5.5	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
C10M-SCKCR/L06	13	10	6	150	17	9	12°	CC..0602..	M2.5*5	Q08	-
C12Q-SCKCR/L06	16	12	7	180	20	11	10°	CC..0602..	M2.5*6	Q08	-
C12Q-SCKCR/L09	16	12	8	180	20	11	12°	CC..09T3..	M3.5*8	Q15	-
C16R-SCKCR/L09	20	16	9.5	200	27	15	10°	CC..09T3..	M3.5*8	Q15	-
C20S-SCKCR/L09	24	20	11.5	250	34	18	8°	CC..09T3..	M3.5*8	Q15	-
S08K-SCKPR/L06	10	8	5.5	125	14	7	10°	CP..0602..	M2.5*5	Q08	-
S10K-SCKPR/L06	13	10	6	125	17	9	8°	CP..0602..	M2.5*5	Q08	-
S12M-SCKPR/L06	16	12	7	150	20	11	6°	CP..0602..	M2.5*6	Q08	-
S10K-SCKPR/L08	13	10	7	125	17	9	10°	CP..0802..	M3*6	Q08	-
S12M-SCKPR/L08	16	12	7.5	150	20	11	8°	CP..0802..	M3*6	Q08	-
S16N-SCKPR/L08	20	16	9.5	160	27	15	6°	CP..0802..	M3*6	Q08	-
S12M-SCKPR/L09	16	12	8	150	20	11	8°	CP..0903..	M3.5*7	Q15	-
S16N-SCKPR/L09	20	16	9.5	160	27	15	6°	CP..0903..	M3.5*8	Q15	-
S20Q-SCKPR/L09	24	20	11.5	180	34	18	4°	CP..0903..	M3.5*8	Q15	-
S25R-SCKPR/L09	31	25	14	200	43	23	4°	CP..0903..	M3.5*8	Q15	-

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See next page

Type S

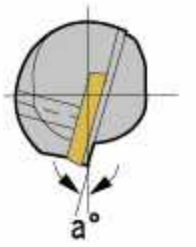
SCK*R/L

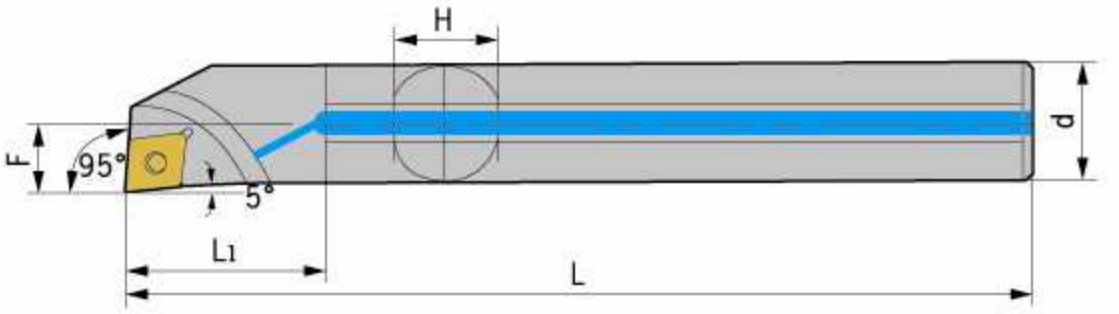
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
H08K-SCKPR/L06	10	8	5.5	125	16	7	10°	CP..0602..	M2.5*5	Q08	-
H10K-SCKPR/L06	13	10	6	125	20	9	8°	CP..0602..	M2.5*5	Q08	-
H12M-SCKPR/L06	24	12	7	150	24	11	6°	CP..0602..	M2.5*5	Q08	-
H10K-SCKPR/L08	31	10	7	125	20	9	10°	CP..0802..	M3*6	Q08	-
H12M-SCKPR/L08	16	12	7.5	150	24	11	8°	CP..0802..	M3*6	Q08	-
H16N-SCKPR/L08	20	16	9.5	160	32	15	6°	CP..0802..	M3*6	Q08	-
H12M-SCKPR/L09	16	12	8	150	24	11	8°	CP..0903..	M3.5*7	Q15	-
H16N-SCKPR/L09	20	16	9.5	160	32	15	6°	CP..0903..	M3.5*7	Q15	-
C08K-SCKPR/L06	10	8	5.5	125	14	7	10°	CP..0602..	M2.5*5	Q08	-
C10M-SCKPR/L06	13	10	6	150	17	9	8°	CP..0602..	M2.5*5	Q08	-
C12Q-SCKPR/L06	16	12	7	180	20	11	6°	CP..0602..	M2.5*5	Q08	-
C12Q-SCKPR/L09	16	12	8	180	20	11	8°	CP..0903..	M3.5*7	Q15	-
C16R-SCKPR/L09	20	16	9.5	200	27	15	6°	CP..0903..	M3.5*7	Q15	-
C20S-SCKPR/L09	24	20	11.5	250	34	18	4°	CP..0903..	M3.5*7	Q15	-
A08K-SCKCR/L06	10	8	5.5	125	14	7	13°	CC..0602..	M2.5*5	Q08	√
A10K-SCKCR/L06	13	10	6	125	17	9	12°	CC..0602..	M2.5*5	Q08	√
A12M-SCKCR/L06	16	12	7	150	20	11	10°	CC..0602..	M2.5*5	Q08	√
A12M-SCKCR/L09	16	12	8	150	20	11	12°	CC..09T3..	M3.5*7	Q15	√
A16N-SCKCR/L09	20	16	9.5	160	27	15	10°	CC..09T3..	M3.5*7	Q15	√
A20Q-SCKCR/L09	24	20	11.5	180	34	18	8°	CC..09T3..	M3.5*7	Q15	√
A25R-SCKCR/L09	31	25	14	200	43	23	8°	CC..09T3..	M3.5*7	Q15	√
A10K-SCKPR/L08	13	10	7	125	17	9	10°	CP..0802..	M3*6	Q08	√
A12M-SCKPR/L08	16	12	7.5	150	20	11	8°	CP..0802..	M3*6	Q08	√
A16N-SCKPR/L08	20	16	9.5	160	27	15	6°	CP..0802..	M3*6	Q08	√
A12M-SCKPR/L09	16	12	8	150	20	11	8°	CP..0903..	M3.5*7	Q15	√
A16N-SCKPR/L09	20	16	9.5	160	27	15	6°	CP..0903..	M3.5*7	Q15	√
A20Q-SCKPR/L09	24	20	11.5	180	34	18	4°	CP..0903..	M3.5*7	Q15	√

Type S

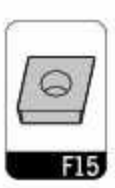
SCL*R/L





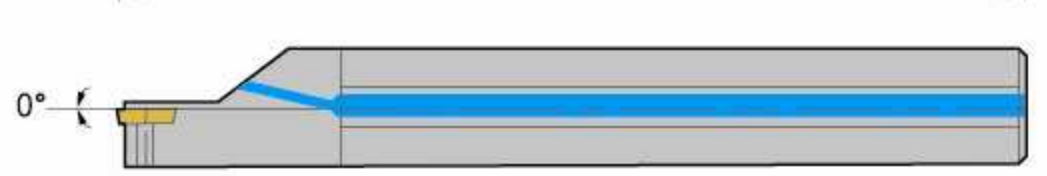












型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S07K-SCLCR/L06-A16	9	16	4.5	125	15	15	15°	CC..0602..	M2.5*5	Q08	-
S07K-SCLCR/L06	9	8	4.5	125	12	7	15°	CC..0602..	M2.5*5	Q08	-
S08K-SCLCR/L06	10	8	5	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
S08K-SCLCR/L06-A16	12	16	5	125	21	15	13°	CC..0602..	M2.5*5	Q08	-
S10K-SCLCR/L06-A16	13	16	6	125	26	15	12°	CC..0602..	M2.5*6	Q08	-
S10K-SCLCR/L06	13	10	6	125	17	9	12°	CC..0602..	M2.5*6	Q08	-
S12M-SCLCR/L06	16	12	7	150	20	11	10°	CC..0602..	M2.5*6	Q08	-
S16N-SCLCR/L06	20	16	9	160	27	15	8°	CC..0602..	M2.5*7	Q08	-
S12M-SCLCR/L09	16	12	9	150	20	11	12°	CC..09T3..	M3.5*8	Q15	-
S12M-SCLCR/L09-A16	16	16	9	150	31	15	12°	CC..09T3..	M3.5*8	Q15	-
S16N-SCLCR/L09	20	16	9.5	160	27	15	10°	CC..09T3..	M3.5*8	Q15	-
S20Q-SCLCR/L09	25	20	11.5	180	34	18	8°	CC..09T3..	M3.5*9	Q15	-
S25R-SCLCR/L09	31	25	14	200	34	23	6°	CC..09T3..	M3.5*9	Q15	-
S32S-SCLCR/L09	39	32	17.5	250	54	30	4°	CC..09T3..	M3.5*9	Q15	-
S40T-SCLCR/L09	50	40	21	300	68	37	0°	CC..09T3..	M3.5*9	Q15	-
S20Q-SCLCR/L12	25	20	12	180	34	18	10°	CC..1204..	M5*10	Q20	-
S25R-SCLCR/L12	32	25	14.5	200	43	23	8°	CC..1204..	M5*12	Q20	-
S32S-SCLCR/L12	39	32	18	250	54	30	6°	CC..1204..	M5*12	Q20	-
S40T-SCLCR/L12	50	40	22	300	68	37	4°	CC..1204..	M5*12	Q20	-
H08K-SCLCR/L06	10	8	5	125	16	7	13°	CC..0602..	M2.5*5	Q08	-
H10K-SCLCR/L06	13	10	6	125	20	9	12°	CC..0602..	M2.5*6	Q08	-
H12M-SCLCR/L06	16	12	7	150	24	11	10°	CC..0602..	M2.5*6	Q08	-
H12M-SCLCR/L09	16	12	9	150	24	11	12°	CC..09T3..	M3.5*8	Q15	-
H16N-SCLCR/L09	20	16	9.5	160	32	15	10°	CC..09T3..	M3.5*8	Q15	-
C08K-SCLCR/L06	10	8	5	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
C10M-SCLCR/L06	13	10	6	150	17	9	12°	CC..0602..	M2.5*6	Q08	-
C12Q-SCLCR/L06	16	12	7	180	20	11	10°	CC..0602..	M2.5*6	Q08	-
C12Q-SCLCR/L09	16	12	9	180	20	11	12°	CC..09T3..	M3.5*8	Q15	-
C16R-SCLCR/L09	20	16	9.5	200	27	15	10°	CC..09T3..	M3.5*8	Q15	-
C20S-SCLCR/L09	25	20	11.5	250	34	18	8°	CC..09T3..	M3.5*9	Q15	-
C20S-SCLCR/L12	25	20	12	250	34	18	10°	CC..1204..	M5*10	Q20	-

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Type S

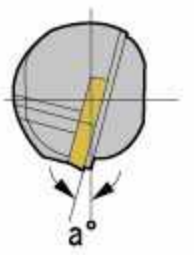
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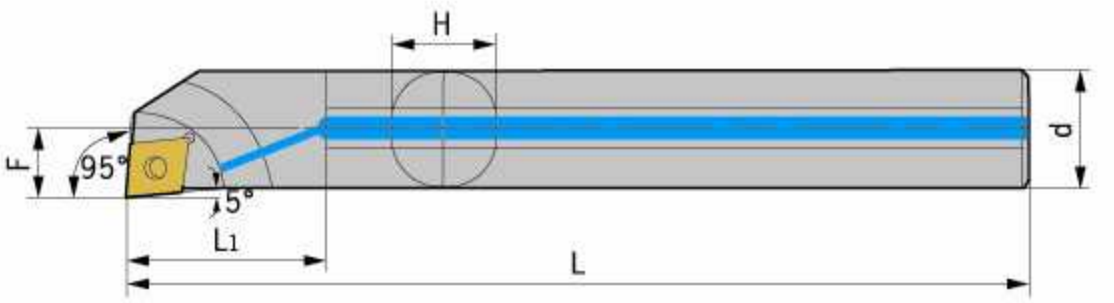
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S08K-SCLPR/L06	10	8	5	125	14	7	10°	CP..0602..	M2.5*5	Q08	-
S10K-SCLPR/L06	13	10	6	125	17	9	8°	CP..0602..	M2.5*5	Q08	-
S12M-SCLPR/L06	16	12	7	150	20	11	6°	CP..0602..	M2.5*6	Q08	-
S10K-SCLPR/L08	13	10	6	125	17	9	8°	CP..0802..	M3*6	Q08	-
S12M-SCLPR/L08	16	12	7	150	20	11	6°	CP..0802..	M3*6	Q08	-
S16N-SCLPR/L08	20	16	9	160	27	15	4°	CP..0802..	M3*7	Q08	-
S20Q-SCLPR/L08	25	20	11	180	34	18	2°	CP..0802..	M3*7	Q08	-
S12M-SCLPR/L09	16	12	9	150	20	11	10°	CP..0903..	M3.5*7	Q15	-
S16N-SCLPR/L09	20	16	9.5	160	27	15	8°	CP..0903..	M3.5*7	Q15	-
S20Q-SCLPR/L09	25	20	11.5	180	34	18	6°	CP..0903..	M3.5*9	Q15	-
S25R-SCLPR/L09	31	25	14	200	43	23	4°	CP..0903..	M3.5*9	Q15	-
S32S-SCLPR/L09	39	32	17.5	250	54	30	4°	CP..0903..	M3.5*9	Q15	-
A07K-SCLCR/L06	9	8	4.5	125	12	7	15°	CC..0602..	M2.5*5	Q08	√
A08K-SCLCR/L06	10	8	5	125	14	7	13°	CC..0602..	M2.5*5	Q08	√
A10K-SCLCR/L06	13	10	6	125	17	9	12°	CC..0602..	M2.5*6	Q08	√
A12M-SCLCR/L06	16	12	7	150	20	11	10°	CC..0602..	M2.5*6	Q08	√
A16N-SCLCR/L06	20	16	9	160	27	15	8°	CC..0602..	M2.5*6	Q08	√
A12M-SCLCR/L09	16	12	9	150	20	11	12°	CC..09T3..	M3.5*7	Q15	√
A16N-SCLCR/L09	20	16	9.5	160	27	15	10°	CC..09T3..	M3.5*7	Q15	√
A20Q-SCLCR/L09	25	20	11.5	180	34	18	8°	CC..09T3..	M3.5*9	Q15	√
A25R-SCLCR/L09	31	25	14	200	43	23	6°	CC..09T3..	M3.5*9	Q15	√
A20Q-SCLCR/L12	25	20	12	180	34	18	10°	CC..1204..	M5*10	Q20	√
A25R-SCLCR/L12	32	25	14.5	200	43	23	8°	CC..1204..	M5*10	Q20	√
A08K-SCLPR/L06	10	8	5	125	14	7	10°	CP..0602..	M2.5*5	Q08	√
A10K-SCLPR/L06	13	10	6	125	17	9	8°	CP..0602..	M2.5*5	Q08	√
A12M-SCLPR/L06	16	12	7	150	20	11	6°	CP..0602..	M2.5*5	Q08	√
A10K-SCLPR/L08	13	10	6	125	17	9	8°	CP..0802..	M3*6	Q08	√
A12M-SCLPR/L08	16	12	7	150	20	11	6°	CP..0802..	M3*6	Q08	√
A16N-SCLPR/L08	20	16	9	160	27	15	4°	CP..0802..	M3*7	Q08	√
A20Q-SCLPR/L08	25	20	11	180	34	18	2°	CP..0802..	M3*7	Q08	√
A12M-SCLPR/L09	16	12	9	150	20	11	10°	CP..0903..	M3.5*7	Q15	√
A16N-SCLPR/L09	20	16	9.5	160	27	15	8°	CP..0903..	M3.5*7	Q15	√
A20Q-SCLPR/L09	25	20	11.5	180	34	18	6°	CP..0903..	M3.5*9	Q15	√

Type S

SCLCR/L*H











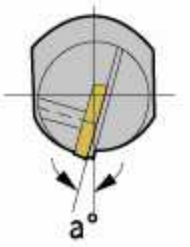


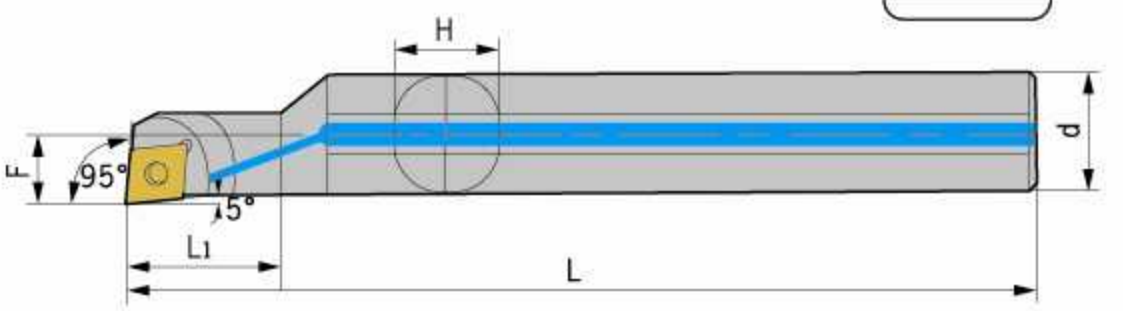
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S08K-SCLCR/L06H09	9	8	4.25	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
S10K-SCLCR/L06H11	11	10	5.25	125	17	9	12°	CC..0602..	M2.5*6	Q08	-
S12M-SCLCR/L06H13	13	12	6.25	150	20	11	10°	CC..0602..	M2.5*6	Q08	-
S16N-SCLCR/L09H17	17	16	8.5	160	27	15	10°	CC..09T3..	M3.5*8	Q15	-
A08K-SCLCR/L06H09	9	8	4.25	125	14	7	13°	CC..0602..	M2.5*5	Q08	√
A10K-SCLCR/L06H11	11	10	5.25	125	17	9	12°	CC..0602..	M2.5*6	Q08	√
A12M-SCLCR/L06H13	13	12	6.25	150	20	11	10°	CC..0602..	M2.5*6	Q08	√
A16N-SCLCR/L09H17	17	16	8.5	160	27	15	10°	CC..09T3..	M3.5*8	Q15	√

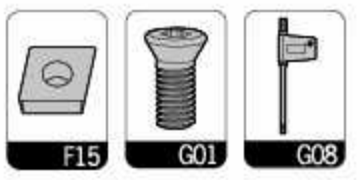
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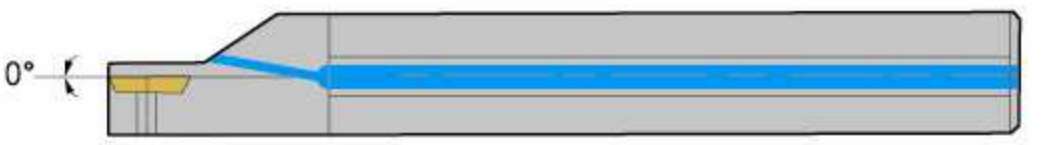
SCLCR/L*P













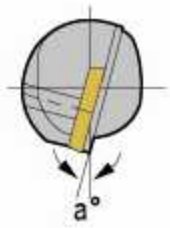
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S12N-SCLCR/L06-16P	16	16	7	160	31	15	10°	CC..0602..	M2.5*6	Q08	-
S16N-SCLCR/L09-20P	20	16	9	160	41	18	8°	CC..09T3..	M2.5*7	Q15	-
S20R-SCLCR/L09-25P	25	25	11.5	200	51	23	8°	CC..09T3..	M3.5*9	Q15	-
A20Q-SCLCR/L09-25P	25	25	14	180	51	23	8°	CC..09T3..	M3.5*9	Q15	√

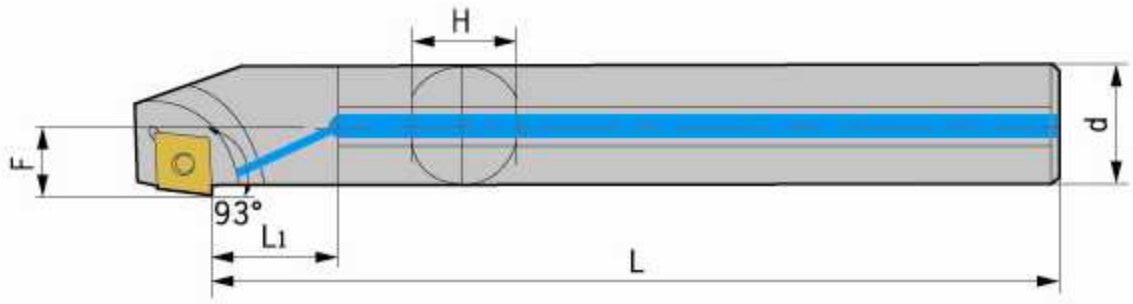
Type S

SCZCR/L













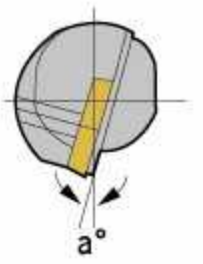
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S08K-SCZCR/L06	12	8	6.5	125	14	7	13°	CC..0602..	M2.5*5	Q08	-
S10K-SCZCR/L06	14	10	7.5	125	17	9	12°	CC..0602..	M2.5*6	Q08	-
S12M-SCZCR/L06	16	12	8.5	150	20	11	10°	CC..0602..	M2.5*6	Q08	-
S16N-SCZCR/L06	20	16	10.5	160	27	15	8°	CC..0602..	M2.5*7	Q08	-
S16N-SCZCR/L09	21	16	11.5	160	27	15	10°	CC..09T3..	M3.5*8	Q15	-
S20Q-SCZCR/L09	25	20	13.5	180	34	18	8°	CC..09T3..	M3.5*9	Q15	-
S25R-SCZCR/L09	32	25	16	200	43	23	6°	CC..09T3..	M3.5*9	Q15	-
H08K-SCZCR/L06	12	8	6.5	125	16	7	13°	CC..0602..	M2.5*5	Q08	-
H10K-SCZCR/L06	14	10	7.5	125	20	9	12°	CC..0602..	M2.5*6	Q08	-
H12M-SCZCR/L06	16	12	8.5	150	24	11	10°	CC..0602..	M2.5*6	Q08	-
H16N-SCZCR/L06	20	16	10.5	160	32	15	8°	CC..0602..	M2.5*7	Q08	-
H16N-SCZCR/L09	21	16	11.5	160	32	15	10°	CC..09T3..	M3.5*9	Q15	-
A08K-SCZCR/L06	12	8	6.5	125	14	7	13°	CC..0602..	M2.5*5	Q08	√
A10K-SCZCR/L06	14	10	7.5	125	17	9	12°	CC..0602..	M2.5*6	Q08	√
A12M-SCZCR/L06	16	12	8.5	150	20	11	10°	CC..0602..	M2.5*6	Q08	√
A16N-SCZCR/L09	21	16	11.5	160	27	15	10°	CC..09T3..	M3.5*9	Q15	√
A20Q-SCZCR/L09	25	20	13.5	180	34	18	8°	CC..09T3..	M3.5*9	Q15	√
A25R-SCZCR/L09	32	25	16	200	43	23	6°	CC..09T3..	M3.5*9	Q15	√

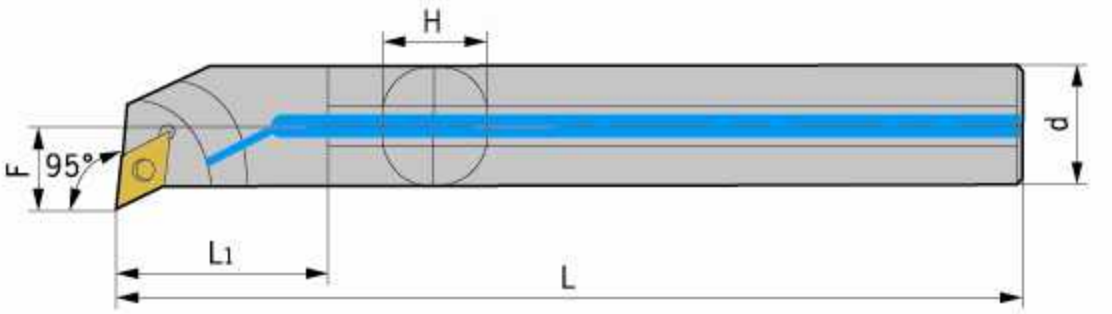
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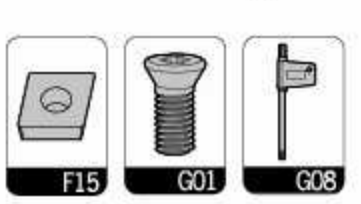
SDLCR/L

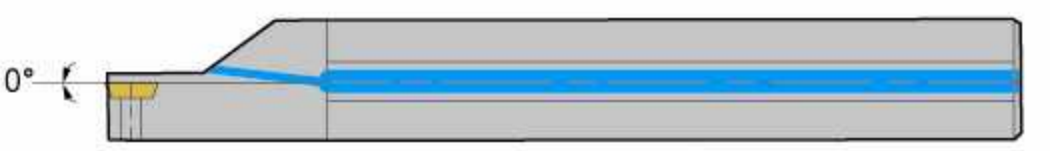










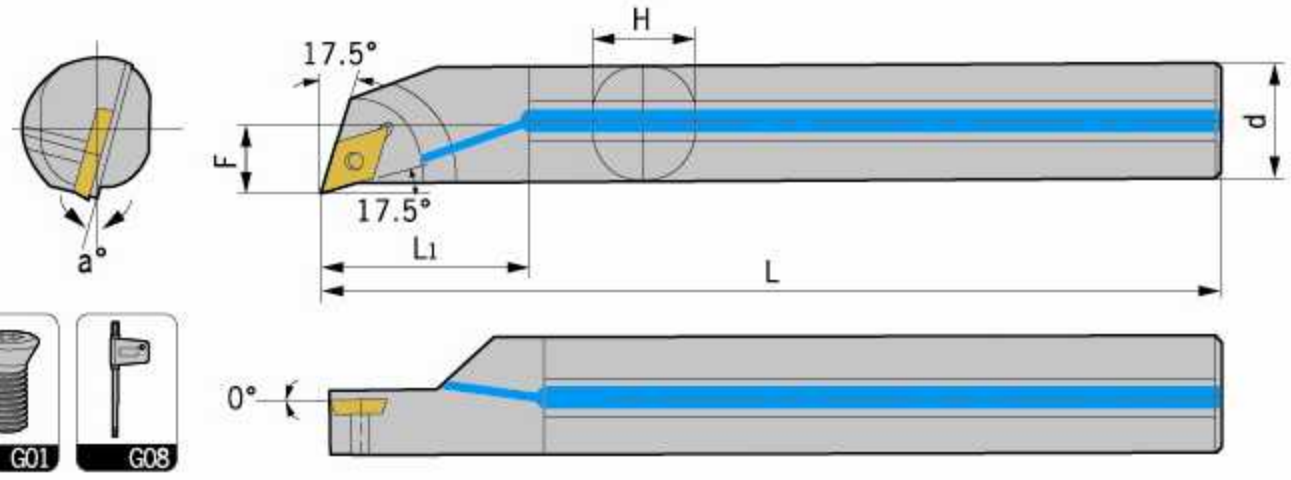


型號 Specification	最小加工徑 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S10K-SDLCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
S12M-SDLCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
S16N-SDLCR/L07	22	16	11	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
S20Q-SDLCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
S25R-SDLCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	-
S32S-SDLCR/L11	39	32	20	250	54	30	4°	DC..11T3..	M3.5*9	Q15	-
S40T-SDLCR/L11	50	40	24	300	68	37	2°	DC..11T3..	M3.5*9	Q15	-
S50U-SDLCR/L11	60	50	29	350	85	47	0°	DC..11T3..	M3.5*9	Q15	-
H10K-SDLCR/L07	15	10	8	125	20	9	10°	DC..0702..	M2.5*6	Q08	-
H12M-SDLCR/L07	17	12	9	150	24	11	8°	DC..0702..	M2.5*6	Q08	-
H16N-SDLCR/L07	22	16	11	160	32	15	6°	DC..0702..	M2.5*7	Q08	-
C10K-SDLCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
C12M-SDLCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
C16N-SDLCR/L07	22	16	11	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
C20Q-SDLCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
A10K-SDLCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	√
A12M-SDLCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	√
A16N-SDLCR/L07	22	16	11	160	24	15	6°	DC..0702..	M2.5*7	Q08	√
A20Q-SDLCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	√
A25R-SDLCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	√

SDQCR/L









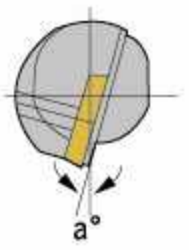
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S10K-SDQCR/L07	13	10	7	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
S12M-SDQCR/L07	16	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
S16N-SDQCR/L07	20	16	10.5	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
S20Q-SDQCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
S25R-SDQCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	-
S32S-SDQCR/L11	9	32	20	250	54	30	4°	DC..11T3..	M3.5*9	Q15	-
H10K-SDQCR/L07	13	10	7	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
H12M-SDQCR/L07	16	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
H16N-SDQCR/L07	20	16	10.5	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
C10K-SDQCR/L07	13	10	7	150	17	9	10°	DC..0702..	M2.5*6	Q08	-
C12M-SDQCR/L07	16	12	9	180	20	11	8°	DC..0702..	M2.5*6	Q08	-
C16N-SDQCR/L07	20	16	10.5	200	27	15	6°	DC..0702..	M2.5*7	Q08	-
C20Q-SDQCR/L11	25	20	13	250	34	19	6°	DC..11T3..	M3.5*9	Q15	-
A10K-SDQCR/L07	13	10	7	125	17	9	10°	DC..0702..	M2.5*6	Q08	√
A12M-SDQCR/L07	16	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	√
A16N-SDQCR/L07	20	16	10.5	160	27	15	6°	DC..0702..	M2.5*7	Q08	√
A20Q-SDQCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	√
A25R-SDQCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	√

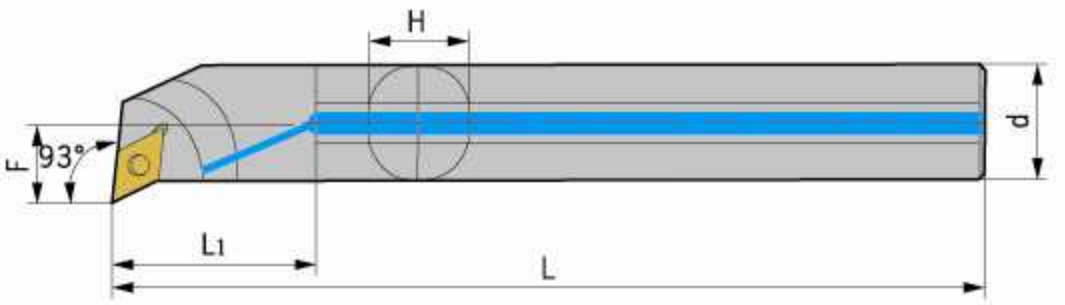
Type S

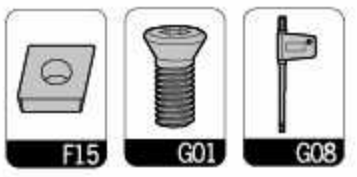
SDUCR/L











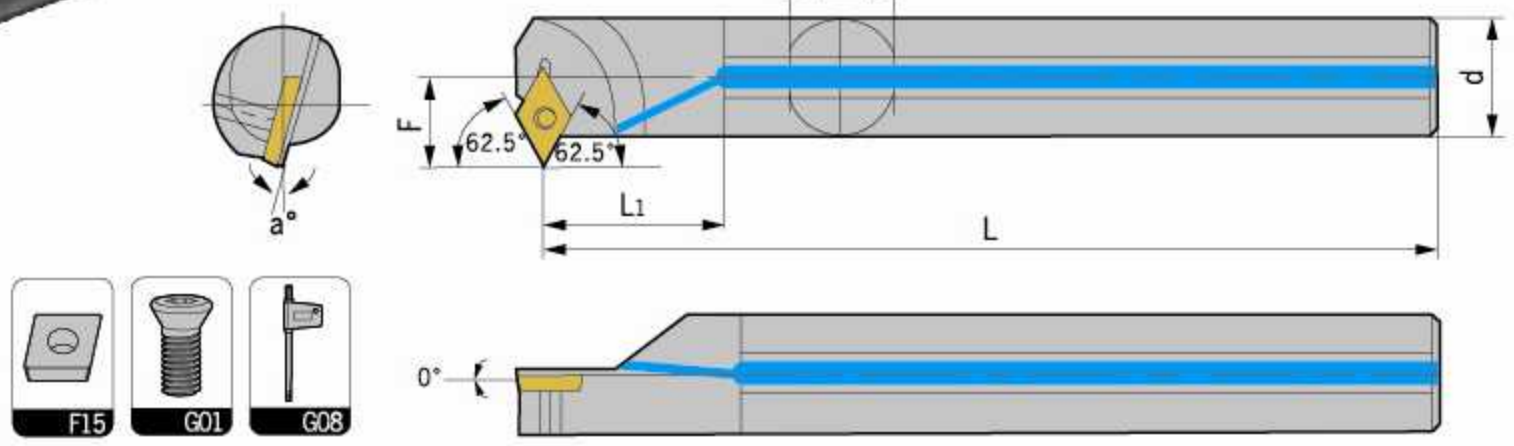
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S10K-SDUCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
S12M-SDUCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
S14N-SDUCR/L07	19	16	10	160	24	13	6°	DC..0702..	M2.5*6	Q08	-
S16N-SDUCR/L07	22	16	11	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
S20Q-SDUCR/L07	25	20	13	180	34	18	6°	DC..0702..	M2.5*7	Q08	-
S16N-SDUCR/L11	22	16	11	160	27	15	8°	DC..11T3..	M3.5*9	Q15	-
S20Q-SDUCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
S25R-SDUCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	-
S32S-SDUCR/L11	39	32	20	250	54	30	4°	DC..11T3..	M3.5*9	Q15	-
S40T-SDUCR/L11	50	40	24	300	68	37	2°	DC..11T3..	M3.5*9	Q15	-
S50U-SDUCR/L11	60	50	29	350	85	47	0°	DC..11T3..	M3.5*9	Q15	-
H10K-SDUCR/L07	15	10	8	125	20	9	10°	DC..0702..	M2.5*6	Q08	-
H12M-SDUCR/L07	17	12	9	150	24	11	8°	DC..0702..	M2.5*6	Q08	-
H16N-SDUCR/L07	22	16	11	160	32	15	6°	DC..0702..	M2.5*7	Q08	-
C10K-SDUCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	-
C12M-SDUCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
C16N-SDUCR/L07	22	16	11	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
C20Q-SDUCR/L11	25	20	13	180	34	19	6°	DC..11T3..	M3.5*9	Q15	-
A10K-SDUCR/L07	15	10	8	125	17	9	10°	DC..0702..	M2.5*6	Q08	√
A12M-SDUCR/L07	17	12	9	150	20	11	8°	DC..0702..	M2.5*6	Q08	√
A14N-SDUCR/L07	19	16	10	160	24	13	6°	DC..0702..	M2.5*6	Q08	√
A16N-SDUCR/L07	22	16	11	160	27	15	6°	DC..0702..	M2.5*7	Q08	√
A20Q-SDUCR/L07	25	20	13	180	34	18	6°	DC..0702..	M2.5*7	Q08	√
A16N-SDUCR/L11	22	16	11	160	27	15	8°	DC..11T3..	M3.5*9	Q15	√
A20Q-SDUCR/L11	25	20	13	180	34	18	6°	DC..11T3..	M3.5*9	Q15	√
A25R-SDUCR/L11	32	25	16	200	43	23	4°	DC..11T3..	M3.5*9	Q15	√

Type S

SDWCR/L







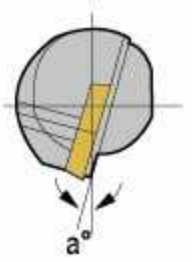
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S12M-SDWCR/L07	19	12	10.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	-
S16N-SDWCR/L07	23	16	12.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	-
S20Q-SDWCR/L07	27	20	14.5	180	34	18	6°	DC..0702..	M2.5*7	Q08	-
S20Q-SDWCR/L11	25	20	14.5	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
S25R-SDWCR/L11	32	25	17	200	43	23	4°	DC..11T3..	M3.5*9	Q15	-
S32S-SDWCR/L11	40	32	20	250	54	30	2°	DC..11T3..	M3.5*9	Q15	-
H12M-SDWCR/L07	19	12	10.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	-
H16N-SDWCR/L07	23	16	12.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	-
A12M-SDWCR/L07	19	12	10.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	√
A16N-SDWCR/L07	23	16	12.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	√
A20Q-SDWCR/L07	27	20	14.5	180	34	18	6°	DC..0702..	M2.5*7	Q08	√
A20Q-SDWCR/L11	25	20	14.5	180	34	18	6°	DC..11T3..	M3.5*9	Q15	√
A25R-SDWCR/L11	32	25	17	200	43	23	4°	DC..11T3..	M3.5*9	Q15	√
A32S-SDWCR/L11	40	32	20	250	54	30	2°	DC..11T3..	M3.5*9	Q15	√

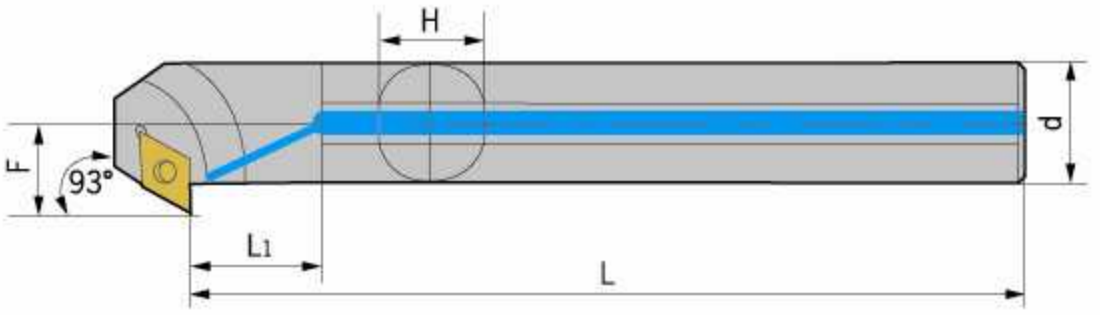
Type S

SDZCR/L









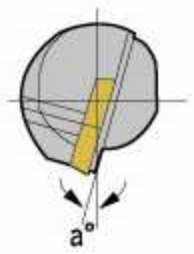


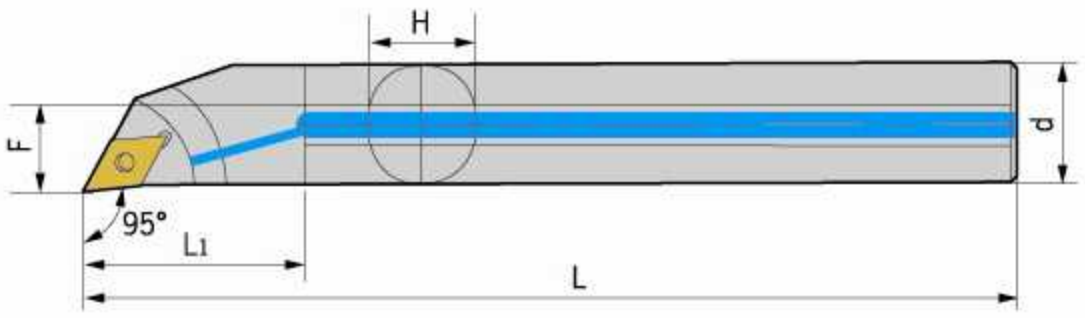
型號 Specification	最小加工徑 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S10K-SDZCR/L07	15	10	8.5	125	17	9	12°	DC..0702..	M2.5*6	Q08	-
S12M-SDZCR/L07	18	12	9.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	-
S16N-SDZCR/L07	24	16	11.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	-
S20Q-SDZCR/L11	28	20	14.5	180	34	18	8°	DC..11T3..	M3.5*9	Q15	-
S25R-SDZCR/L11	34	25	17	200	43	23	6°	DC..11T3..	M3.5*9	Q15	-
S32S-SDZCR/L11	38	32	20.5	250	54	30	4°	DC..11T3..	M3.5*9	Q15	-
H10Q-SDZCR/L07	15	10	8.5	125	17	9	12°	DC..0702..	M2.5*6	Q08	-
H12M-SDZCR/L07	18	12	9.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	-
H16N-SDZCR/L07	24	16	11.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	-
A10K-SDZCR/L07	15	10	8.5	125	17	9	12°	DC..0702..	M2.5*6	Q08	√
A12M-SDZCR/L07	18	12	9.5	150	20	11	10°	DC..0702..	M2.5*7	Q08	√
A16N-SDZCR/L07	24	16	11.5	160	27	15	8°	DC..0702..	M2.5*7	Q08	√
A20Q-SDZCR/L07	26	20	13.5	180	20	18	8°	DC..0702..	M2.5*7	Q08	√
A25R-SDZCR/L07	32	25	16	200	27	23	8°	DC..0702..	M2.5*7	Q08	√
A20Q-SDZCR/L11	28	20	14.5	180	34	18	8°	DC..11T3..	M3.5*9	Q15	√
A25R-SDZCR/L11	34	25	17	200	43	23	6°	DC..11T3..	M3.5*9	Q15	√
A32S-SDZCR/L11	38	32	20.5	250	54	30	4°	DC..11T3..	M3.5*9	Q15	√

SDXCR/L











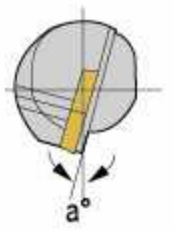
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S08K-SDXCR/L07-G5	10	8	5	125	14	7	12°	DC..0702..	M2.5*5	Q08	-
S10K-SDXCR/L07-G5	13	10	6	125	17	9	10°	DC..0702..	M2.5*5	Q08	-
S12M-SDXCR/L07-G5	16	12	7	150	20	11	8°	DC..0702..	M2.5*6	Q08	-
S16N-SDXCR/L07-G5	20	16	9	160	27	15	6°	DC..0702..	M2.5*7	Q08	-
S16N-SDXCR/L11-G5	20	16	9	160	27	15	8°	DC..11T3..	M3.5*8	Q15	-
S20Q-SDXCR/L11-G5	25	20	11.5	180	34	18	6°	DC..11T3..	M3.5*9	Q15	-
S25R-SDXCR/L11-G5	32	25	14	200	43	23	4°	DC..11T3..	M3.5*9	Q15	-
H08K-SDXCR/L07-G5	10	8	5	125	16	7	12°	DC..0702..	M2.5*5	Q08	-
H10K-SDXCR/L07-G5	13	10	6	125	20	9	10°	DC..0702..	M2.5*5	Q08	-
H12M-SDXCR/L07-G5	16	12	7	150	24	11	8°	DC..0702..	M2.5*6	Q08	-
H16N-SDXCR/L07-G5	20	16	9	160	32	15	6°	DC..0702..	M2.5*7	Q08	-
A08K-SDXCR/L07-G5	10	8	5	125	14	7	12°	DC..0702..	M2.5*5	Q08	√
A10K-SDXCR/L07-G5	13	10	6	125	17	9	10°	DC..0702..	M2.5*5	Q08	√
A12M-SDXCR/L07-G5	16	12	7	150	20	11	8°	DC..0702..	M2.5*6	Q08	√
A16N-SDXCR/L07-G5	20	16	9	160	27	15	6°	DC..0702..	M2.5*7	Q08	√
A16N-SDXCR/L11-G5	20	16	9	160	27	15	8°	DC..11T3..	M3.5*8	Q15	√
A20Q-SDXCR/L11-G5	25	20	11.5	180	34	18	6°	DC..11T3..	M3.5*9	Q15	√
A25R-SDXCR/L11-G5	32	25	14	200	43	23	4°	DC..11T3..	M3.5*9	Q15	√

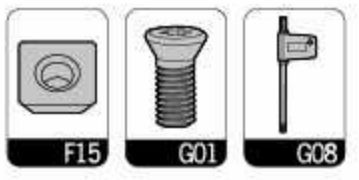
Type S

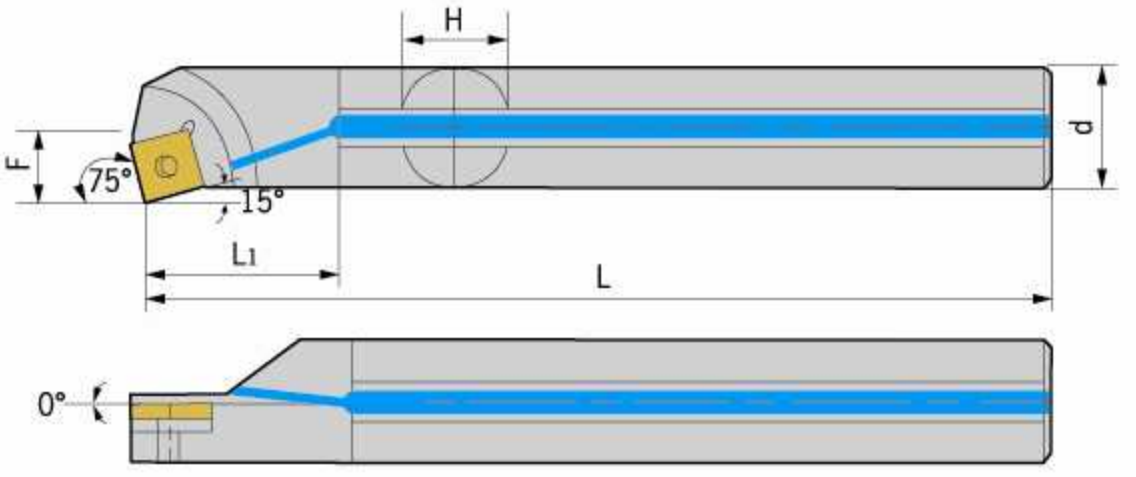
SSK*R/L











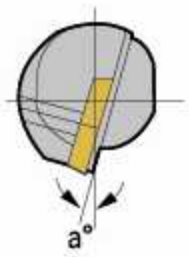
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S12M-SSKCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	-
S16N-SSKCR/L09	20	16	10.5	160	27	15	10°	SC..09T3..	M3.5*8	Q15	-
S20Q-SSKCR/L09	24	20	12.5	180	34	18	8°	SC..09T3..	M3.5*9	Q15	-
S25R-SSKCR/L09	31	25	15	200	43	23	6°	SC..09T3..	M3.5*9	Q15	-
H12M-SSKCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	-
H16N-SSKCR/L09	20	16	10.5	160	27	15	10°	SC..09T3..	M3.5*8	Q15	-
S12M-SSKPR/L09	16	12	8.5	150	20	11	8°	SP..0903..	M3.5*8	Q15	-
S16N-SSKPR/L09	20	16	10.5	160	27	15	6°	SP..0903..	M3.5*8	Q15	-
H12M-SSKPR/L09	16	12	8.5	150	20	11	8°	SP..0903..	M3.5*8	Q15	-
H16N-SSKPR/L09	20	16	10.5	160	27	15	6°	SP..0903..	M3.5*8	Q15	-
A12M-SSKCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	√
A16N-SSKCR/L09	20	16	10.5	160	27	15	10°	SC..09T3..	M3.5*8	Q15	√
A20Q-SSKCR/L09	24	20	12.5	180	34	18	8°	SC..09T3..	M3.5*9	Q15	√
A25R-SSKCR/L09	31	25	15	200	43	23	6°	SC..09T3..	M3.5*9	Q15	√
A12M-SSKPR/L09	16	12	8.5	150	20	11	8°	SP..0903..	M3.5*8	Q15	√
A16N-SSKPR/L09	20	16	10.5	160	27	15	6°	SP..0903..	M3.5*8	Q15	√

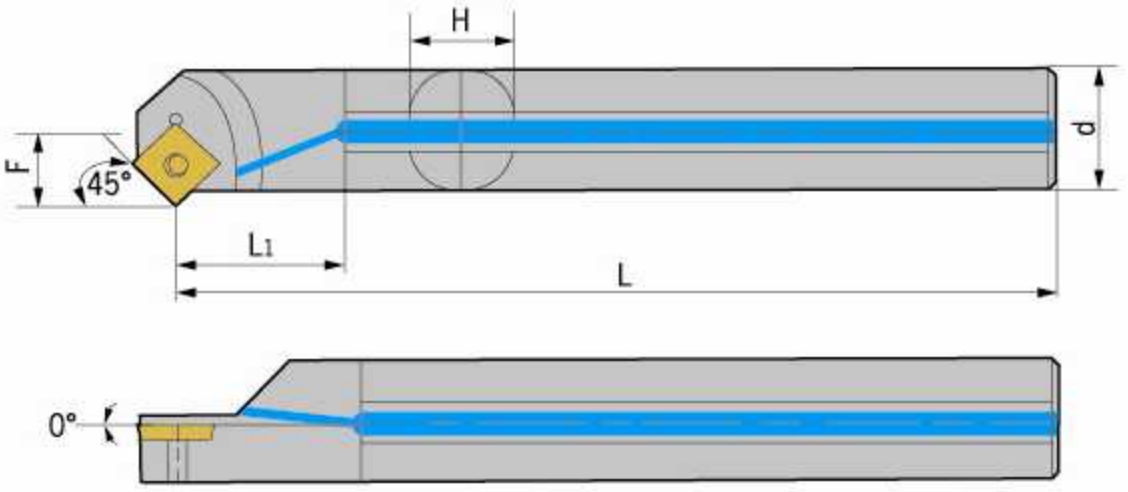
Type S

SSS*R/L











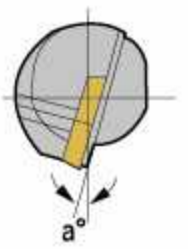
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S12M-SSSCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	-
S16N-SSSCR/L09	22	16	11.5	160	27	15	10°	SC..09T3..	M3.5*9	Q15	-
S20Q-SSSCR/L09	26	20	13.5	180	34	18	8°	SC..09T3..	M3.5*9	Q15	-
S25R-SSSCR/L09	31	25	16	200	43	23	6°	SC..09T3..	M3.5*9	Q15	-
S32S-SSSCR/L09	38	32	19.5	250	58	30	4°	SC..09T3..	M3.5*9	Q15	-
H12M-SSSCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	-
H16N-SSSCR/L09	22	16	11.5	160	27	15	10°	SC..09T3..	M3.5*9	Q15	-
S12M-SSSPR/L09	16	12	9	150	20	11	8°	SP..0903..	M3.5*7	Q15	-
S16N-SSSPR/L09	20	16	11	160	27	15	6°	SP..0903..	M3.5*7	Q15	-
S20Q-SSSPR/L09	24	20	13	180	34	18	4°	SP..0903..	M3.5*9	Q15	-
S25R-SSSPR/L09	32	25	17	200	43	23	2°	SP..0903..	M3.5*9	Q15	-
S32S-SSSPR/L09	40	32	22	250	58	30	0°	SP..0903..	M3.5*9	Q15	-
H12M-SSSPR/L09	16	12	9	150	20	11	8°	SP..0903..	M3.5*9	Q15	-
H16N-SSSPR/L09	20	16	11	160	27	15	6°	SP..0903..	M3.5*9	Q15	-
A12M-SSSCR/L09	16	12	8.5	150	20	11	12°	SC..09T3..	M3.5*8	Q15	√
A16N-SSSCR/L09	22	16	11.5	160	27	15	10°	SC..09T3..	M3.5*9	Q15	√
A20Q-SSSCR/L09	26	20	13.5	180	34	18	8°	SC..09T3..	M3.5*9	Q15	√
A25R-SSSCR/L09	31	25	16	200	43	23	6°	SC..09T3..	M3.5*9	Q15	√
A12M-SSSPR/L09	16	12	9	150	20	11	8°	SP..0903..	M3.5*7	Q15	√
A16N-SSSPR/L09	20	16	11	160	27	15	6°	SP..0903..	M3.5*7	Q15	√
A20Q-SSSPR/L09	24	20	13	180	34	18	4°	SP..0903..	M3.5*9	Q15	√
A25R-SSSPR/L09	32	25	17	200	43	23	2°	SP..0903..	M3.5*9	Q15	√

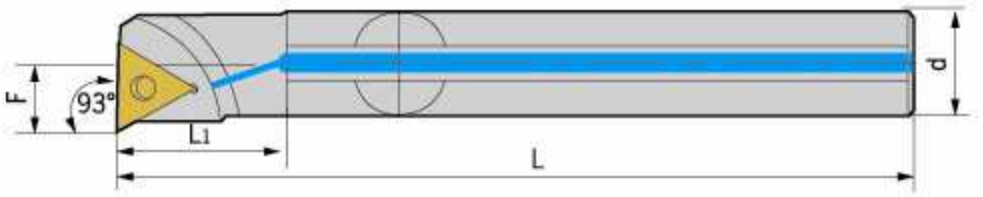
Type S

STFCR/L













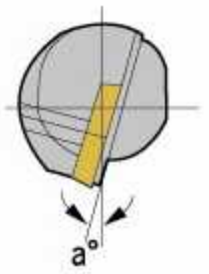
型號 Specification	最小加工徑 Min dia	d	F	L1	L	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S08K-STFCR/L09	11	8	5.5	15	125	7	15°	TC..0902..	M2.2*5	Q06	-
S10K-STFCR/L09	13	10	6	17	125	9	13°	TC..0902..	M2.2*6	Q06	-
S12M-STFCR/L09	16	12	7	20	150	11	10°	TC..0902..	M2.2*6	Q06	-
S10K-STFCR/L11	12	10	6	17	125	9	12°	TC..1102..	M2.5*6	Q08	-
S12M-STFCR/L11	14	12	7	20	150	11	10°	TC..1102..	M2.5*6	Q08	-
S16N-STFCR/L11	20	16	9	27	160	15	8°	TC..1102..	M2.5*7	Q08	-
S20Q-STFCR/L11	25	20	11	34	180	18	6°	TC..1102..	M2.5*7	Q08	-
S20Q-STFCR/L16	25	20	11.5	34	180	18	8°	TC..16T3..	M3.5*9	Q15	-
S25R-STFCR/L16	31	25	14	43	200	23	6°	TC..16T3..	M3.5*9	Q15	-
S32S-STFCR/L16	39	32	17.5	54	250	30	4°	TC..16T3..	M3.5*9	Q15	-
S40T-STFCR/L16	50	40	21.5	68	300	37	2°	TC..16T3..	M3.5*9	Q15	-
S50U-STFCR/L16	60	50	26.5	85	350	47	0°	TC..16T3..	M3.5*9	Q15	-
H08K-STFCR/L09	11	8	5.5	15	125	7	15°	TC..0902..	M2.2*5	Q06	-
H10K-STFCR/L09	13	10	6	17	125	9	13°	TC..0902..	M2.2*5	Q06	-
H10K-STFCR/L11	13	10	6	17	125	9	12°	TC..1102..	M2.5*6	Q08	-
H12M-STFCR/L11	14	12	7	20	150	11	10°	TC..1102..	M2.5*6	Q08	-
H16N-STFCR/L11	20	16	9	27	160	15	8°	TC..1102..	M2.5*7	Q08	-
C08K-STFCR/L09	11	8	5.5	15	125	7	15°	TC..0902..	M2.2*5	Q06	-
C10M-STFCR/L09	13	10	6	17	150	9	13°	TC..0902..	M2.2*6	Q06	-
C12Q-STFCR/L09	16	12	7	20	180	11	10°	TC..0902..	M2.2*6	Q06	-
C10M-STFCR/L11	13	10	6	17	150	9	12°	TC..1102..	M2.5*6	Q08	-
C12Q-STFCR/L11	14	12	7	20	180	11	10°	TC..1102..	M2.5*6	Q08	-
C16R-STFCR/L11	20	16	9	27	200	15	8°	TC..1102..	M2.5*7	Q08	-
C20S-STFCR/L11	25	20	11	34	250	19	8°	TC..1102..	M2.5*7	Q08	-
A08K-STFCR/L09	11	8	5.5	15	125	7	15°	TC..0902..	M2.2*5	Q06	√
A10K-STFCR/L09	13	10	6	17	125	9	13°	TC..0902..	M2.2*6	Q06	√
A12M-STFCR/L11	14	12	7	20	150	11	10°	TC..1102..	M2.5*6	Q08	√
A16N-STFCR/L11	20	16	9	27	160	15	8°	TC..1102..	M2.5*7	Q08	√
A20Q-STFCR/L16	25	20	11.5	34	180	18	8°	TC..16T3..	M3.5*9	Q15	√
A25R-STFCR/L16	31	25	14	43	200	23	6°	TC..16T3..	M3.5*9	Q15	√

Type S

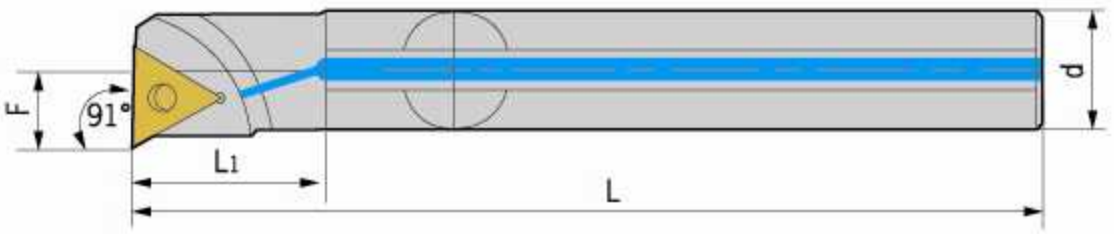
STFPR/L













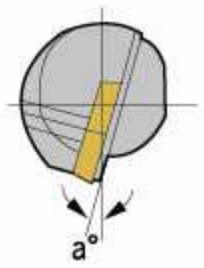
型號 Specification	最小加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole	
S10K-STFPR/L08	13	10	6	17	125	9	8°	TP..0802..	M2*5	Q06	-	
S08K-STFPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*5	Q08	-	
S10K-STFPR/L09	13	10	6	17	125	9	8°	TP..0902..	M2.5*6	Q08	-	
S10K-STFPR/L11	13	10	6	17	125	9	12°	TP..1103..	M3*6	Q08	-	
S12M-STFPR/L11	16	12	7	20	150	11	10°	TP..1103..	M3*6	Q08	-	
S16N-STFPR/L11	20	16	9	27	160	15	8°	TP..1103..	M3*7	Q08	-	
S20Q-STFPR/L11	24	20	11	34	180	18	6°	TP..1103..	M3*7	Q08	-	
S20Q-STFPR/L16	24	20	11.5	34	180	18	6°	TP..1603..	M3.5*9	Q15	-	
S25R-STFPR/L16	31	25	14	43	200	23	4°	TP..1603..	M3.5*9	Q15	-	
C08K-STFPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*5	Q08	-	
C10M-STFPR/L09	13	10	6	17	150	9	8°	TP..0902..	M2.5*6	Q08	-	
C10M-STFPR/L11	13	10	6	17	150	9	12°	TP..1103..	M3*6	Q08	-	
C12Q-STFPR/L11	16	12	7	20	180	11	10°	TP..1103..	M3*6	Q08	-	
C16R-STFPR/L11	20	16	9	27	200	15	8°	TP..1103..	M3*7	Q08	-	
C20S-STFPR/L11	24	20	11	34	250	19	6°	TP..1103..	M3*7	Q08	-	
H08K-STFPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*5	Q08	-	
H10K-STFPR/L09	13	10	6	17	125	9	8°	TP..0902..	M2.5*6	Q08	-	
H10K-STFPR/L11	13	10	6	17	125	9	12°	TP..1103..	M3*6	Q08	-	
H12M-STFPR/L11	16	12	7	20	150	11	10°	TP..1103..	M3*6	Q08	-	
H16N-STFPR/L11	20	16	9	27	160	15	8°	TP..1103..	M3*7	Q08	-	
A10K-STFPR/L08	13	10	6	17	125	9	8°	TP..0802..	M2*5	Q06	√	
A08K-STFPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*6	Q08	√	
A10K-STFPR/L09	13	10	6	17	125	9	8°	TP..0902..	M2.5*6	Q08	√	
A12M-STFPR/L11	16	12	7	20	150	11	10°	TP..1103..	M3*6	Q08	√	
A16N-STFPR/L11	20	16	9	27	160	15	8°	TP..1103..	M3*7	Q08	√	
A20Q-STFPR/L16	24	20	11.5	34	180	18	6°	TP..1603..	M3.5*9	Q15	√	
A25R-STFPR/L16	31	25	14	43	200	23	4°	TP..1603..	M3.5*9	Q15	√	

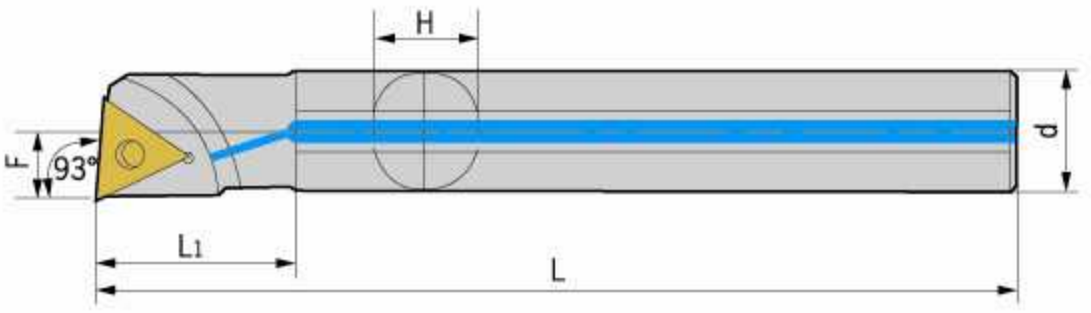
Type S

STUCR/L

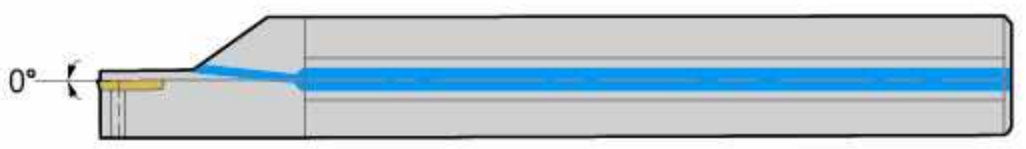










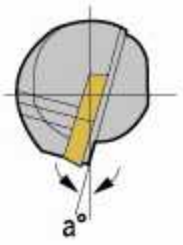


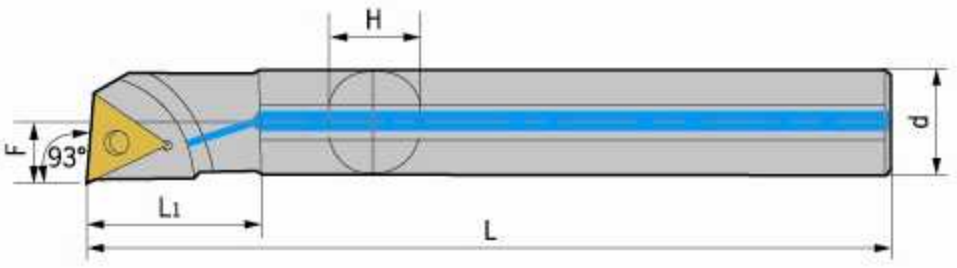
型號 Specification	最小加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S08K-STUCR/L09	11	8	5	15	125	7	10°	TC..0902..	M2.2*5	Q06	-
S08K-STUCR/09-A16	11	16	5	20	125	15	10°	TC..0902..	M2.2*5	Q06	-
S10K-STUCR/L09	13	10	6	17	125	9	8°	TC..0902..	M2.2*5	Q06	-
S10K-STUCR/L09-A16	13	16	6	27	125	15	8°	TC..0902..	M2.2*6	Q06	-
S10K-STUCR/L11	13	10	6	17	125	9	12°	TC..1102..	M2.5*6	Q08	-
S10K-STUCR/L11-A16	13	16	6	27	125	15	12°	TC..1102..	M2.5*6	Q08	-
S12M-STUCR/L11	16	12	7	20	150	11	10°	TC..1102..	M2.5*6	Q08	-
S12M-STUCR/L11-A16	16	16	7	34	150	15	10°	TC..1102..	M2.5*6	Q08	-
S16N-STUCR/L11	20	16	9	27	160	15	8°	TC..1102..	M2.5*7	Q08	-
S20Q-STUCR/L11	24	20	11	34	180	18	6°	TC..1102..	M2.5*7	Q08	-
S20Q-STUCR/L16	25	20	11.5	34	180	18	8°	TC..16T3..	M3.5*9	Q15	-
S25R-STUCR/L16	31	25	14	43	200	23	6°	TC..16T3..	M3.5*9	Q15	-
S32S-STUCR/L16	39	32	17.5	54	250	30	4°	TC..16T3..	M3.5*9	Q15	-
S40T-STUCR/L16	50	40	21.5	68	300	37	2°	TC..16T3..	M3.5*9	Q15	-
S50U-STUCR/L16	60	50	26.5	85	350	47	0°	TC..16T3..	M3.5*9	Q15	-
H08K-STUCR/L09	11	8	5	15	125	7	10°	TC..0902..	M2.2*5	Q06	-
H10K-STUCR/L09	13	10	6	17	150	9	8°	TC..0902..	M2.2*5	Q06	-
H10K-STUCR/L11	13	10	6	17	150	9	8°	TC..1102..	M2.5*7	Q08	-
H12M-STUCR/L11	16	12	7	20	180	11	6°	TC..1102..	M2.5*6	Q08	-
H16R-STUCR/L11	20	16	9	27	200	15	4°	TC..1102..	M2.5*7	Q08	-
A08K-STUCR/L09	11	8	5	15	125	7	10°	TC..0902..	M2.2*5	Q06	√
A10K-STUCR/L11	13	10	6	17	125	9	12°	TC..1102..	M2.5*6	Q08	√
A12M-STUCR/L11	16	12	7	20	150	11	10°	TC..1102..	M2.5*6	Q08	√
A16N-STUCR/L11	20	16	9	27	160	15	8°	TC..1102..	M2.5*7	Q08	√
A20Q-STUCR/L11	24	20	11	34	180	18	6°	TC..1102..	M2.5*7	Q08	√

STUPR/L













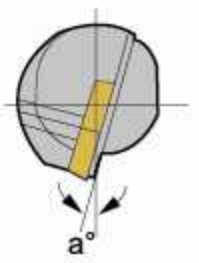
型號 Specification	最小加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S08K-STUPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*5	Q08	-
S10K-STUPR/L09	13	10	6	17	125	9	8°	TP..0902..	M2.5*6	Q08	-
S10K-STUPR/L11	13	10	6	17	125	9	12°	TP..1103..	M3*6	Q08	-
S12M-STUPR/L11	16	12	7	20	150	11	10°	TP..1103..	M3*6	Q08	-
S16N-STUPR/L11	20	16	9	27	160	15	8°	TP..1103..	M3*7	Q08	-
S20Q-STUPR/L11	24	20	11	34	180	18	6°	TP..1103..	M3*7	Q08	-
S20Q-STUPR/L16	24	20	11.5	34	180	18	6°	TP..1603..	M3.5*9	Q15	-
S25R-STUPR/L16	31	25	14.5	43	200	24	4°	TP..1603..	M3.5*9	Q15	-
A08K-STUPR/L09	11	8	5	15	125	7	10°	TP..0902..	M2.5*5	Q08	√
A10K-STUPR/L11	13	10	6	17	125	9	12°	TP..1103..	M3*6	Q08	√
A12M-STUPR/L11	16	12	7	20	150	11	10°	TP..1103..	M3*6	Q08	√
A16N-STUPR/L11	20	16	9	27	160	15	8°	TP..1103..	M3*7	Q08	√
A20Q-STUPR/L16	24	20	11.5	34	180	18	6°	TP..1603..	M3.5*9	Q15	√
A25R-STUPR/L16	31	25	14.5	43	200	23	4°	TP..1603..	M3.5*9	Q15	√

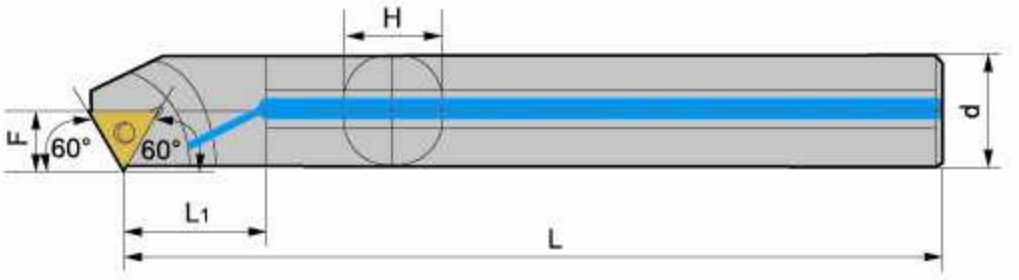
Type S

STWCR/L











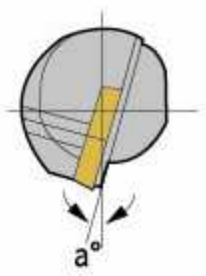


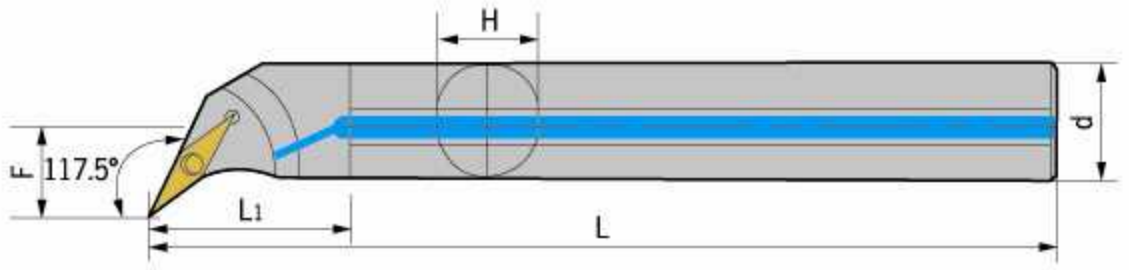
型號 Specification	最小加工徑 Min dia	d	F	L1	L	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S08K-STWCR/L09	11	8	5.5	15	125	7	12°	TC..0902..	M2.2*5	Q06	-
S10K-STWCR/L11	14	10	8	17	125	9	10°	TC..1102..	M2.5*7	Q08	-
S12M-STWCR/L11	16	12	9	20	150	11	8°	TC..1102..	M2.5*7	Q08	-
S16N-STWCR/L11	20	16	11	27	160	15	6°	TC..1102..	M2.5*7	Q08	-
S20Q-STWCR/L11	25	20	13	34	180	18	4°	TC..1102..	M2.5*7	Q08	-
S25R-STWCR/L11	31	25	15	43	200	23	2°	TC..1102..	M2.5*7	Q08	-
S32S-STWCR/L11	39	32	19	54	250	30	0°	TC..1102..	M2.5*7	Q08	-
S20Q-STWCR/L16	25	20	14.5	34	180	18	8°	TC..16T3..	M3.5*9	Q15	-
S25R-STWCR/L16	32	25	17	43	200	23	6°	TC..16T3..	M3.5*9	Q15	-
S32S-STWCR/L16	39	32	20	54	250	30	4°	TC..16T3..	M3.5*9	Q15	-
S40T-STWCR/L16	50	40	24	68	300	37	0°	TC..16T3..	M3.5*9	Q15	-
S50U-STWCR/L16	60	50	29	85	350	47	0°	TC..16T3..	M3.5*9	Q15	-
H08K-STWCR/L09	11	8	5.5	15	125	7	12°	TC..0902..	M2.2*5	Q06	-
H10K-STWCR/L11	14	10	8	17	125	9	10°	TC..1102..	M2.5*7	Q08	-
H12M-STWCR/L11	16	12	9	20	150	11	8°	TC..1102..	M2.5*7	Q08	-
H16N-STWCR/L11	20	16	11	27	160	15	6°	TC..1102..	M2.5*7	Q08	-
H20Q-STWCR/L11	25	20	13	34	180	18	4°	TC..1102..	M2.5*7	Q08	-
A08K-STWCR/L09	11	8	5.5	15	125	7	12°	TC..0902..	M2.2*5	Q06	√
A10K-STWCR/L11	14	10	8	17	125	9	10°	TC..1102..	M2.5*7	Q08	√
A12M-STWCR/L11	16	12	9	20	150	11	8°	TC..1102..	M2.5*7	Q08	√
A16N-STWCR/L11	20	16	11	27	160	15	6°	TC..1102..	M2.5*7	Q08	√
A20Q-STWCR/L11	25	20	13	34	180	18	4°	TC..1102..	M2.5*7	Q08	√
A20Q-STWCR/L16	25	20	14.5	34	180	18	8°	TC..16T3	M3.5*9	Q15	√

SVQ*R/L

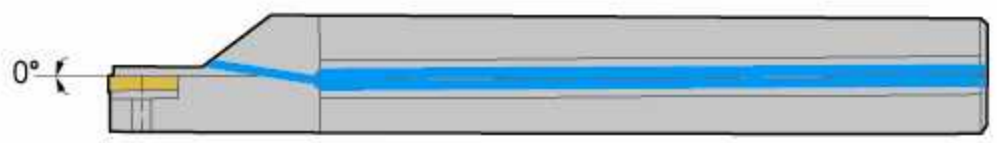










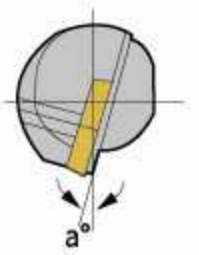


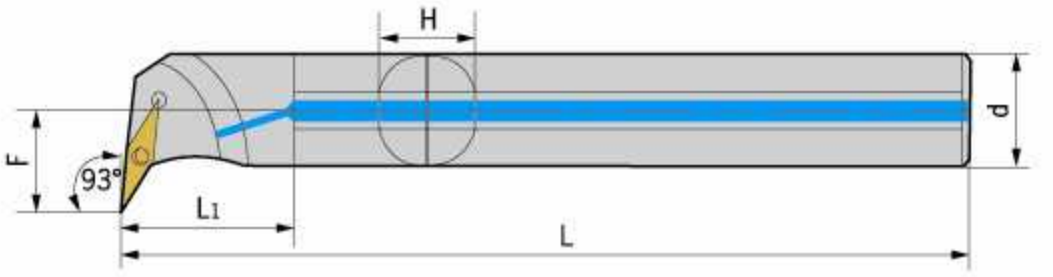
型號 Specification	最小加工徑 Min dia	d	F	L1	L	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S12M-SVQBR/L11	17	12	10.5	27	150	11	10°	VB..1103..	M2.5*7	Q08	-
S16N-SVQBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S20Q-SVQBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	-
S16N-SVQCR/L11	22	16	11.5	27	160	15	8°	VC..1103..	M2.5*7	Q08	-
S20Q-SVQCR/L11	27	20	14	34	180	18	6°	VC..1103..	M2.5*7	Q08	-
S20Q-SVQBR/L16	27	20	14	34	180	18	10°	VB..1604..	M3.5*9	Q15	-
S25R-SVQBR/L16	32	25	16.5	43	200	23	8°	VB..1604..	M3.5*9	Q15	-
S32S-SVQBR/L16	41	32	22.5	54	250	30	10°	VB..1604..	M3.5*9	Q15	-
S40T-SVQBR/L16	50	40	27	68	300	37	8°	VB..1604..	M3.5*9	Q15	-
S50U-SVQBR/L16	61	50	32	85	350	47	6°	VB..1604..	M3.5*9	Q15	-
S20Q-SVQCR/L16	27	20	14	34	180	18	8°	VC..1604..	M3.5*9	Q15	-
S25R-SVQCR/L16	32	25	16.5	43	200	23	6°	VC..1604..	M3.5*9	Q15	-
S32S-SVQCR/L16	41	32	22.5	54	250	30	8°	VC..1604..	M3.5*9	Q15	-
S40T-SVQCR/L16	50	40	27	68	300	37	6°	VC..1604..	M3.5*9	Q15	-
S50U-SVQCR/L16	61	50	32	85	350	47	4°	VC..1604..	M3.5*9	Q15	-
A12M-SVQBR/L11	17	12	10	27	150	11	10°	VB..1103..	M2.5*7	Q08	√
A16N-SVQBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	√
A20Q-SVQBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	√
A16N-SVQCR/L11	22	16	11.5	27	160	15	8°	VC..1103..	M2.5*7	Q08	√
A20Q-SVQCR/L11	27	20	14	34	180	18	6°	VC..1103..	M2.5*7	Q08	√
A25R-SVQBR/L16	32	25	16.5	43	200	23	8°	VB..1604..	M3.5*9	Q15	√
A20Q-SVQCR/L16	27	20	14	34	180	18	8°	VC..1604..	M3.5*9	Q15	√
A25R-SVQCR/L16	32	25	16.5	43	200	23	6°	VC..1604..	M3.5*9	Q15	√

Type S

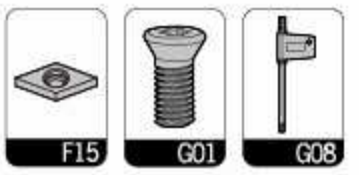
SVU*R/L









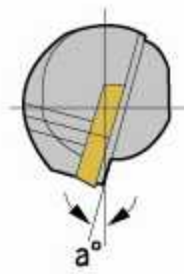


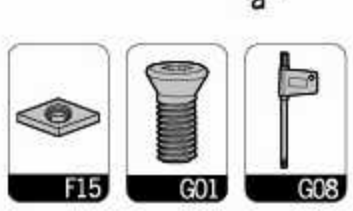


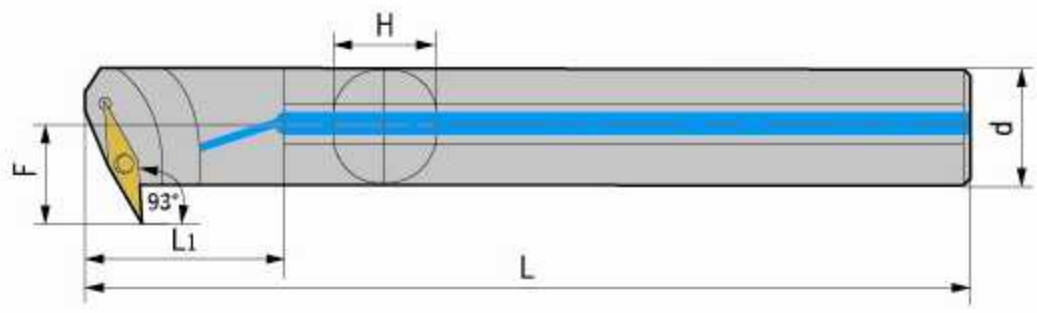
型號 Specification	最小加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S16N-SVUBR/L11	22	16	12.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S20Q-SVUBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	-
H16N-SVUBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S16N-SVUCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	-
S20Q-SVUCR/L11	27	20	14	34	180	18	8°	VC..1103..	M2.5*7	Q08	-
H16N-SVUCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	-
S20Q-SVUBR/L16	31	20	19	34	180	18	8°	VB..1604..	M3.5*9	Q15	-
S25R-SVUBR/L16	35	25	20	43	200	23	6°	VB..1604..	M3.5*9	Q15	-
S32S-SVUBR/L16	42	32	22.5	54	250	30	8°	VB..1604..	M3.5*9	Q15	-
S40T-SVUBR/L16	51	40	27	68	300	37	8°	VB..1604..	M3.5*9	Q15	-
S50U-SVUBR/L16	60	50	32	85	350	47	4°	VB..1604..	M3.5*9	Q15	-
S20Q-SVUCR/L16	31	20	19	34	180	18	8°	VC..1604..	M3.5*9	Q15	-
S25R-SVUCR/L16	35	25	20	43	200	23	6°	VC..1604..	M3.5*9	Q15	-
S32S-SVUCR/L16	42	32	22.5	54	250	30	8°	VC..1604..	M3.5*9	Q15	-
S40T-SVUCR/L16	51	40	27	68	300	37	6°	VC..1604..	M3.5*9	Q15	-
S50U-SVUCR/L16	60	50	32	85	350	47	4°	VC..1604..	M3.5*9	Q15	-
A16N-SVUBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	√
A20Q-SVUBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	√
A16N-SVUCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	√
A20Q-SVUCR/L11	27	20	14	34	180	18	8°	VC..1103..	M2.5*7	Q08	√
A20Q-SVUBR/L16	31	20	19	34	180	18	8°	VB..1604..	M3.5*9	Q15	√

SVZ*R/L

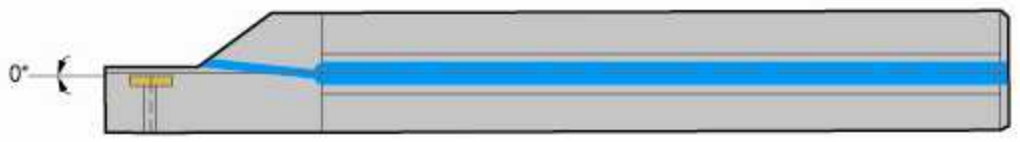












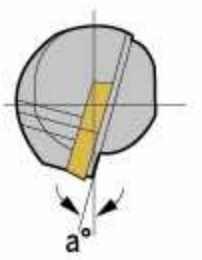
型號 Specification	最小加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S16N-SVZBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S20Q-SVZBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	-
H16N-SVZBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S16N-SVZCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	-
S20Q-SVZCR/L11	27	20	14	34	180	18	8°	VC..1103..	M2.5*7	Q08	-
H16N-SVZCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	-
S25R-SVZBR/L16	34	25	19.5	43	200	23	8°	VB..1604..	M3.5*9	Q15	-
S32S-SVZBR/L16	42	32	23.5	54	250	30	6°	VB..1604..	M3.5*9	Q15	-
S40T-SVZBR/L16	50	40	27	68	300	37	8°	VB..1604..	M3.5*9	Q15	-
S50U-SVZBR/L16	60	50	31.5	85	350	47	4°	VB..1604..	M3.5*9	Q15	-
S25R-SVZCR/L16	34	25	19.5	43	200	23	8°	VC..1604..	M3.5*9	Q15	-
S32S-SVZCR/L16	42	32	23.5	54	250	30	6°	VC..1604..	M3.5*9	Q15	-
S40T-SVZCR/L16	50	40	27	68	300	37	8°	VC..1604..	M3.5*9	Q15	-
S50U-SVZCR/L16	60	50	31.5	85	350	47	4°	VC..1604..	M3.5*9	Q15	-
A16N-SVZBR/L11	22	16	11.5	27	160	15	10°	VB..1103..	M2.5*7	Q08	√
A20Q-SVZBR/L11	27	20	14	34	180	18	8°	VB..1103..	M2.5*7	Q08	√
A16N-SVZCR/L11	22	16	11.5	27	160	15	10°	VC..1103..	M2.5*7	Q08	√
A20Q-SVZCR/L11	27	20	14	34	180	18	8°	VC..1103..	M2.5*7	Q08	√
A25R-SVZBR/L16	34	25	19.5	43	200	23	8°	VB..1604..	M3.5*9	Q15	√

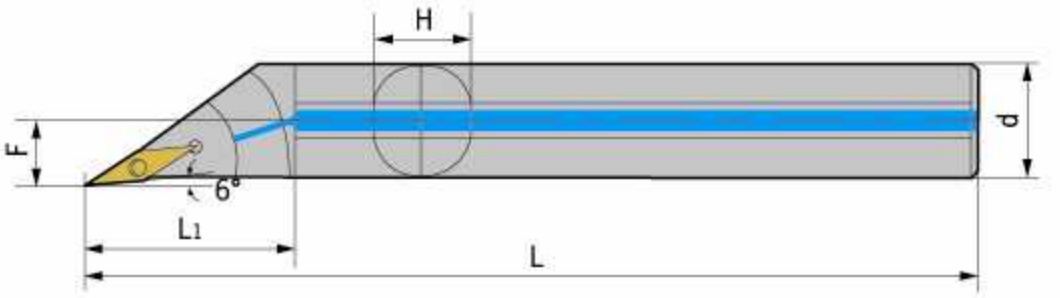
Type S

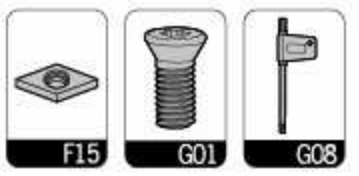
SVX*R/L











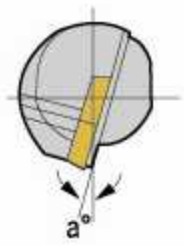


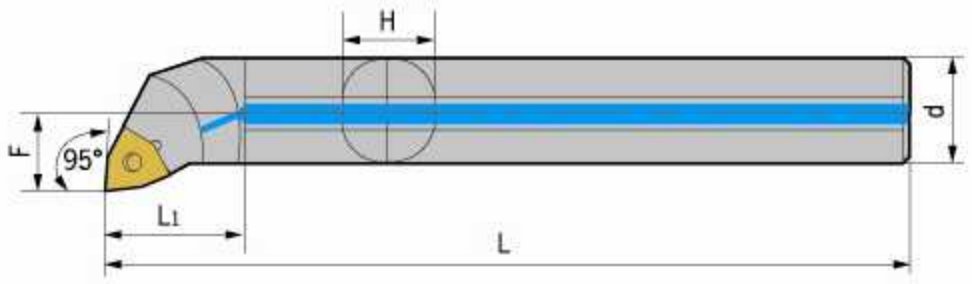
型號 Specification	最小加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S10K-SVXBR/L11-G6	14	10	7.5	17	125	9	10°	VB..1103..	M2.5*6	Q08	-
S12M-SVXBR/L11-G6	16	12	8.5	20	150	11	12°	VB..1103..	M2.5*6	Q08	-
S16N-SVXBR/L11-G6	22	16	11	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S20Q-SVXBR/L11-G6	27	20	13.5	34	180	18	8°	VB..1103..	M2.5*6	Q08	-
H10K-SVXBR/L11-G6	14	10	7.5	17	125	9	15°	VB..1103..	M2.5*6	Q08	-
H12M-SVXBR/L11-G6	16	12	8.5	20	150	11	12°	VB..1103..	M2.5*7	Q08	-
H16N-SVXBR/L11-G6	22	16	11	27	160	15	10°	VB..1103..	M2.5*7	Q08	-
S10K-SVXCR/L11-G6	14	10	7.5	17	125	9	12°	VC..1103..	M2.5*6	Q08	-
S12M-SVXCR/L11-G6	16	12	8.5	20	150	11	10°	VC..1103..	M2.5*6	Q08	-
S16N-SVXCR/L11-G6	22	16	11	27	160	15	8°	VC..1103..	M2.5*7	Q08	-
S20Q-SVXCR/L11-G6	27	20	13.5	34	180	18	6°	VC..1103..	M2.5*7	Q08	-
H10K-SVXCR/L11-G6	14	10	7.5	17	125	9	12°	VC..1103..	M2.5*6	Q08	-
H12M-SVXCR/L11-G6	16	12	8.5	20	150	11	10°	VC..1103..	M2.5*6	Q08	-
H16N-SVXCR/L11-G6	22	16	11	27	160	15	8°	VC..1103..	M2.5*7	Q08	-
S16N-SVXBR/L16-G6	22	16	11.5	27	160	15	12°	VB..1604..	M3.5*7	Q15	-
S20Q-SVXBR/L16-G6	27	20	13.5	34	180	18	10°	VB..1604..	M3.5*9	Q15	-
S25R-SVXBR/L16-G6	32	25	16	43	200	23	8°	VB..1604..	M3.5*9	Q15	-
S32S-SVXBR/L16-G6	40	32	19.5	54	250	30	8°	VB..1604..	M3.5*9	Q15	-
S40T-SVXBR/L16-G6	50	40	23.5	68	300	37	8°	VB..1604..	M3.5*9	Q15	-
S50U-SVXBR/L16-G6	60	50	28.5	85	350	47	6°	VB..1604..	M3.5*9	Q15	-
S16N-SVXCR/L16-G6	22	16	11.5	27	160	15	10°	VC..1604..	M3.5*9	Q15	-
S20Q-SVXCR/L16-G6	27	20	13.5	34	180	18	8°	VC..1604..	M3.5*9	Q15	-
S25R-SVXCR/L16-G6	32	25	16	43	200	23	6°	VC..1604..	M3.5*9	Q15	-
S32S-SVXCR/L16-G6	40	32	19.5	54	250	30	8°	VC..1604..	M3.5*9	Q15	-
S40T-SVXCR/L16-G6	50	40	23.5	68	300	37	6°	VC..1604..	M3.5*9	Q15	-
S50U-SVXCR/L16-G6	60	50	28.5	85	350	47	4°	VC..1604..	M3.5*9	Q15	-
H16N-SVXCR/L16-G6	22	16	11.5	27	160	15	10°	VC..1604..	M3.5*9	Q15	-
A10K-SVXBR/L11-G6	14	10	7.5	17	125	9	15°	VB..1103..	M2.5*6	Q08	√
A12M-SVXBR/L11-G6	16	12	8.5	20	150	11	12°	VB..1103..	M2.5*6	Q08	√
A16N-SVXBR/L11-G6	22	16	11	27	160	15	10°	VB..1103..	M2.5*7	Q08	√
A20Q-SVXBR/L11-G6	27	20	13.5	34	180	18	8°	VB..1103..	M2.5*7	Q08	√
A10K-SVXCR/L11-G6	14	10	7.5	17	125	9	12°	VC..1103..	M2.5*6	Q08	√
A12M-SVXCR/L11-G6	16	12	8.5	20	150	11	10°	VC..1103..	M2.5*6	Q08	√
A16N-SVXCR/L11-G6	22	16	11	27	160	15	8°	VC..1103..	M2.5*7	Q08	√
A20Q-SVXCR/L11-G6	27	20	13.5	34	180	18	6°	VC..1103..	M2.5*7	Q08	√
A16N-SVXBR/L16-G6	22	16	11.5	27	160	15	12°	VB..1604..	M3.5*9	Q15	√
A20Q-SVXBR/L16-G6	27	20	13.5	34	180	18	10°	VB..1604..	M3.5*9	Q15	√
A25R-SVXBR/L16-G6	32	25	16	43	200	23	8°	VB..1604..	M3.5*9	Q15	√
A16N-SVXCR/L16-G6	22	16	11.5	27	160	15	10°	VC..1604..	M3.5*7	Q15	√
A20Q-SVXCR/L16-G6	27	20	13.5	34	180	18	8°	VC..1604..	M3.5*9	Q15	√
A25R-SVXCR/L16-G6	32	25	16	43	200	23	6°	VC..1604..	M3.5*9	Q15	√

SWLCR/L

















型號 Specification	最小加工径 Min dia	d	F	L1	L	H	a	刀片 Insert	螺絲 Screw	扳手 Wrench	出水孔 Water hole
S08K-SWLCR/L04	10	8	5	15	125	7	13°	WC..0402..	M2.5*5	Q08	-
S10K-SWLCR/L04	13	10	10	17	125	9	10°	WC..0402..	M2.5*6	Q08	-
S12M-SWLCR/L06	16	12	6.5	20	150	11	13°	WC..06T3..	M3.5*8	Q15	-
S16N-SWLCR/L06	20	16	7.5	27	160	15	10°	WC..06T3..	M3.5*8	Q15	-
S20Q-SWLCR/L06	25	20	9.5	34	180	18	8°	WC..06T3..	M3.5*9	Q15	-
S25R-SWLCR/L06	31	25	11.5	43	200	23	6°	WC..06T3..	M3.5*9	Q15	-
H08K-SWLCR/L04	10	8	4	15	125	7	13°	WC..0402..	M2.5*5	Q08	-
H10K-SWLCR/L04	13	10	5	17	125	9	10°	WC..0402..	M2.5*6	Q08	-
H12M-SWLCR/L06	16	12	6.5	20	150	11	13°	WC..06T3..	M3.5*8	Q15	-
H16N-SWLCR/L06	20	16	7.5	27	160	15	10°	WC..06T3..	M3.5*8	Q15	-
A08K-SWLCR/L04	10	8	5	15	125	7	13°	WC..0402..	M2.5*5	Q08	√
A10K-SWLCR/L04	13	10	10	17	125	9	10°	WC..0402..	M2.5*6	Q08	√
A12M-SWLCR/L06	16	12	6.5	20	150	11	13°	WC..06T3..	M3.5*8	Q15	√
A16N-SWLCR/L06	20	16	7.5	27	160	15	10°	WC..06T3..	M3.5*8	Q15	√
A20Q-SWLCR/L06	25	20	9.5	34	180	18	8°	WC..06T3..	M3.5*8	Q15	√

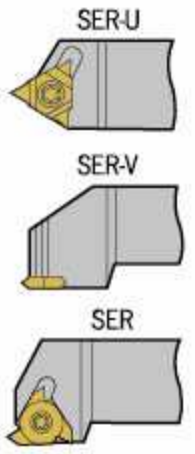
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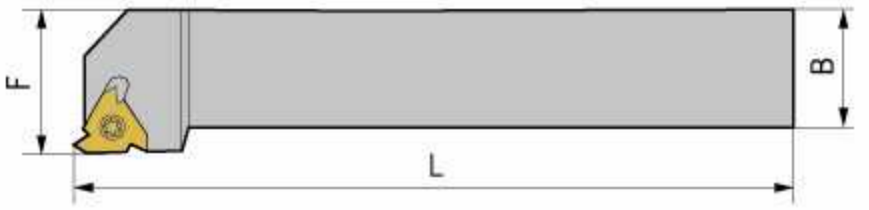
SER/L











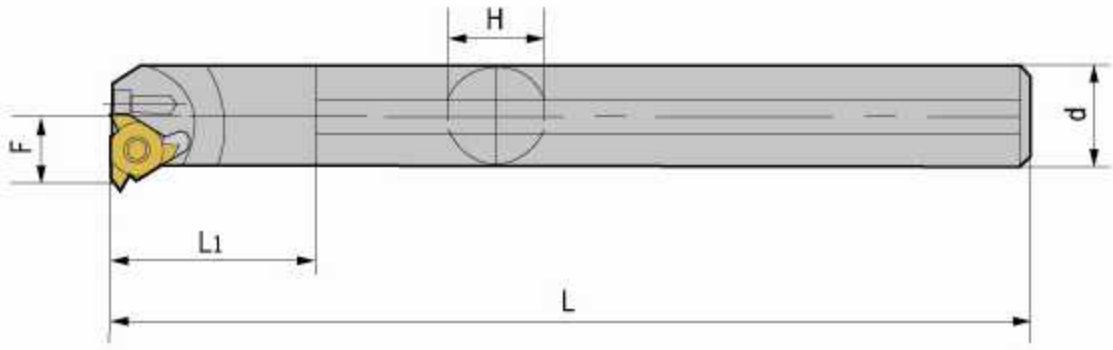


型號 Specification		H	B	L	H1	F	刀片 Insert	刀墊 Knives cushion	刀墊螺絲 Knives cushion screw	側螺絲 Side screw	扳手 Wrench
SER/L	1010H11	10	10	100	10	12	11ER/L..	-	M2.5*7	-	Q08
	1212H16	12	12	100	12	16	16ER/L..	-	M3.5*7	-	Q15
	1616H16	16	16	100	16	20	16ER/L..	-	M3.5*12	SA3007	Q15
	2020K16	20	20	125	20	25	16ER/L..	YE16(R)	M3.5*12	SA3007	Q15
	2525M16	25	25	150	25	32	16ER/L..	YI16(L)	M3.5*12	SA3007	Q15
	3232P16	32	32	170	32	40	16ER/L..	-	M3.5*12	SA3007	Q15
	2525M22	25	25	150	25	32	22ER/L..	YE22(R)	M4*14	SA3007	Q15
	3232P22	32	32	170	32	40	22ER/L..	YI22(L)	M4*14	SA3007	Q15
	2525M27	25	25	150	25	32	27ER/L..	YE27(R)	M5*16	SA3007	Q20
	3232P27	32	32	170	32	40	27ER/L..	YI27(L)	M5*16	SA3007	Q20
	2525M22U	25	25	150	25	25	22UER/L..	YE22U(R)	M4*14	SA3007	Q15
	3232P22U	32	32	170	32	32	22UER/L..	YI22U(L)	M4*14	SA3007	Q15
	2525M27U	25	25	150	25	25	27UER/L..	YE27U(R)	M5*16	SA3007	Q20
	3232P27U	32	32	170	32	32	27UER/L..	YI27U(L)	M5*16	SA3007	Q20
	2020K16V	20	20	125	20	25	16VER..	-	M3.5*9	-	Q15
	2525M16V	25	25	150	25	32	16VER..	-	M3.5*9	-	Q15
	2020K22V	20	20	125	20	25	22VER..	-	M4*9	-	Q15
	2525M22V	25	25	150	25	32	22VER..	-	M4*9	-	Q15

SIR/L







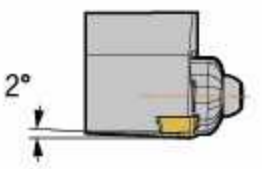


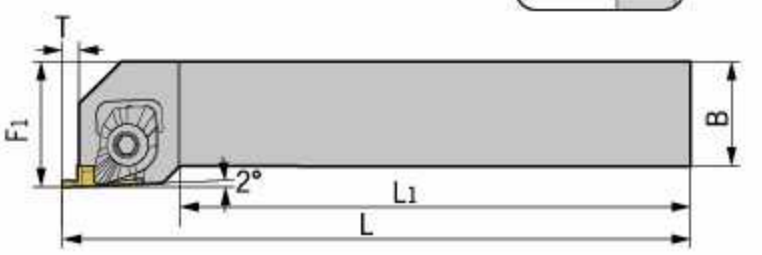
型號 Specification	最小加工径 Min dia	d	F	L	L1	H	刀片 Insert	刀墊 Knives cushion	螺絲 screw	側螺絲 Side screw	扳手 Wrench
SIR 0005K06-A12	6	12	4.3	125	13.5	11	06IR/L..	-	M2*4	-	Q06
0006K06-A12	7.5	12	4.8	125	16	11	06IR/L..	-	M2*4	-	Q06
0007K08	10	8	5.3	125	12	7	08IR/L..	-	M2.2*6	-	Q06
0007K08-A16	10	16	5.3	125	18.5	15	08IR/L..	-	M2.2*6	-	Q06
0008K08	11	8	6.6	125	14	7	08IR/L..	-	M2.2*6	-	Q06
0008K08-A16	15	16	5.8	125	21	15	08IR/L..	-	M2.2*6	-	Q06
0008K11	11	8	6.6	125	14	7	11IR/L..	-	M2.5*7	-	Q08
0010K11	12	10	7.4	125	17	9	11IR/L..	-	M2.5*7	-	Q08
0010K11-A16	12	16	7.4	125	26	15	11IR/L..	-	M2.5*7	-	Q08
0012K11	15	12	8.4	125	25	11	11IR/L..	-	M2.5*7	-	Q08
0012K11-A16	15	16	8.4	125	31	15	11IR/L..	-	M2.5*7	-	Q08
0013M16	16	16	10.2	150	22	15	16IR/L..	-	M3.5*9	-	Q15
0013M16-A16	16	16	10	150	33.5	15	16IR/L..	-	M3.5*9	-	Q15
0016M16	19	16	11.7	150	27	15	16IR/L..	-	M3.5*9	-	Q15
0020Q16	24	20	13.7	180	34	18	16IR/L..	YI16(R) YE16(L)	M3.5*9	SA3007	Q15
0020Q16-W	24	20	14	180	34	18	16IR/L..		M3.5*12	-	Q15
0025Q16	29	25	16.2	200	43	23	16IR/L..		M3.5*12	SA3007	Q15
0025Q16-W	29	25	16	200	43	23	16IR/L..		M3.5*12	-	Q15
0032S16	36	32	19.7	250	54	30	16IR/L..		M3.5*12	SA3007	Q15
0040T16	44	40	23.7	322	68	37	16IR/L..		M3.5*12	SA3007	Q15
0050U16	54	50	28.7	350	85	47	16IR/L..		M3.5*12	SA3007	Q15
0020Q22	24	20	15.6	180	34	18	22IR/L..	YI22(R) YE22(L) YI22(R) YE22(L)	M4*9	-	Q15
0025R22	29	25	18.1	200	43	23	22IR/L..		M4*15	SA3007	Q15
0032S22	38	32	21.6	250	54	30	22IR/L..		M4*15	SA3007	Q15
0040T22	46	40	25.6	300	68	37	22IR/L..		M4*15	SA3007	Q15
0050U22	56	50	30.6	350	85	47	22IR/L..		M4*15	SA3007	Q15
0032S27	40	32	22.6	250	54	30	27IR/L..	YI27(R) YE27(L)	M5*18	SA3007	Q15
0040T27	48	40	26.6	300	68	37	27IR/L..		M5*18	SA3007	Q15
0050U27	58	50	31.6	350	85	47	27IR/L..		M5*18	SA3007	Q15
0032S22U	38	32	24.4	250	54	30	22UIR/L..	YI22U(R) YE22U(L	M4*15	SA3007	Q15
0040T22U	46	40	28.1	300	68	37	22UIR/L..		M4*15	SA3007	Q15
0032S27U	40	32	22.6	250	54	30	27UIR/L..	YI27U(R) YE27U(L	M5*18	SA3007	Q15
0040T27U	48	40	26.6	300	68	37	27UIR/L..		M5*18	SA3007	Q15
0050U27U	58	50	31.6	350	85	47	27UIR/L..		M5*18	SA3007	Q15

Type G

GT*R/L

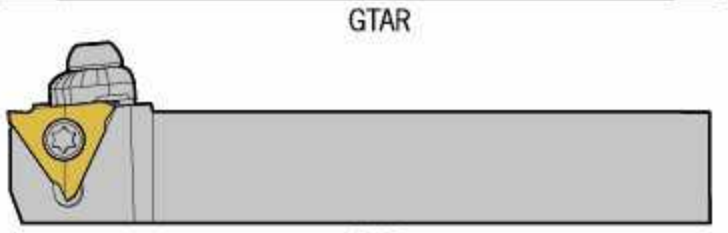








GTAR



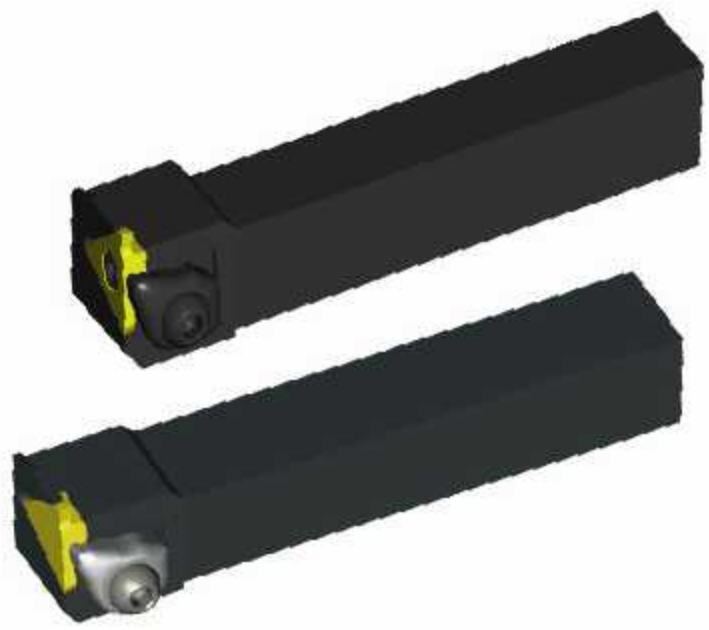
GTBR

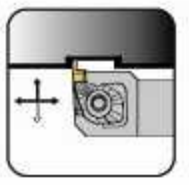


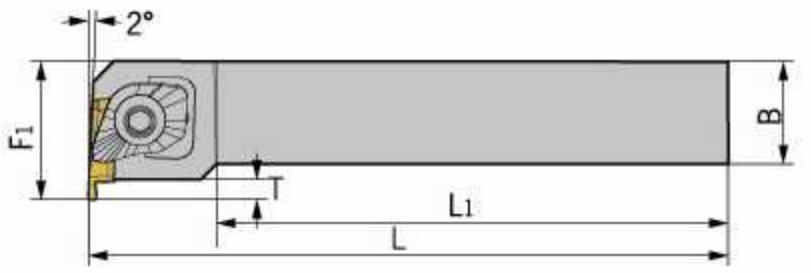
型號 Specification		最大 切深T	H	B	L	F	壓板 Clamp	壓板螺絲 Clamp screw	刀片螺絲 Insert screw	彈簧 Spring	扳手 Wrench
GTAR/L	1616H16	2.5	16	16	100	20	GYR	B0620	-	SP-0612	L04
	2020K16	2.5	20	20	125	25	GYR	B0620	-	SP-0612	L04
	2525M16	2.5	25	25	150	30	GYR	B0620	-	SP-0612	L04
	2020K22-15	4	20	20	125	25	GYR	B0620	-	SP-0612	L04
	2525M22-15	4	25	25	150	30	GYR	B0620	-	SP-0612	L04
	2020K22-25	4.5	20	20	125	25	GYR	B0620	-	SP-0612	L04
	2525M22-25	4.5	25	25	150	30	GYR	B0620	-	SP-0612	L04
	2020K22-35	5.5	20	20	125	25	GYR	B0620	-	SP-0612	L04
	2525M22-35	5.5	25	25	150	30	GYR	B0620	-	SP-0612	L04
GTBR/L	1616H16	2.5	16	16	100	20	GYR	B0620	M3.5*7	SP-0612	L045,Q15
	2020K16	2.5	20	20	125	25	GYR	B0620	M3.5*7	SP-0612	L045,Q15
	2525M16	2.5	25	25	150	30	GYR	B0620	M5*12	SP-0612	L045,Q20
	2020K22-15	4	20	20	125	25	GYR	B0620	M5*12	SP-0612	L045,Q20
	2525M22-15	4	25	25	150	30	GYR	B0620	M5*12	SP-0612	L045,Q20
	2020K22-25	4.5	20	20	125	25	GYR	B0620	M5*12	SP-0612	L045,Q20
	2525M22-25	4.5	25	25	150	30	GYR	B0620	M5*12	SP-0612	L045,Q20
	2020K22-35	5.5	20	20	125	25	GYR	B0620	M5*12	SP-0612	L045,Q20
	2525M22-35	5.5	25	25	150	30	GYR	B0620	M5*12	SP-0612	L045,Q20

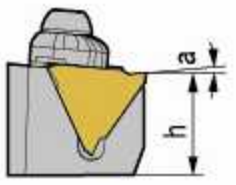
Type G

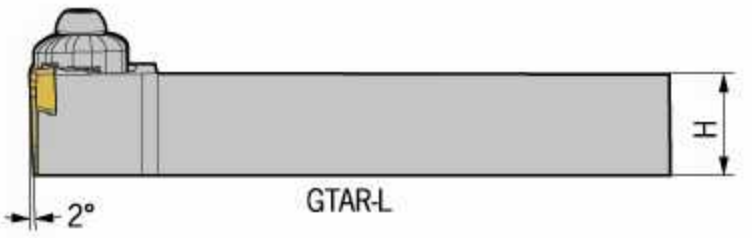
GT*R/L-L

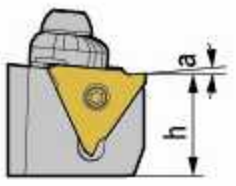


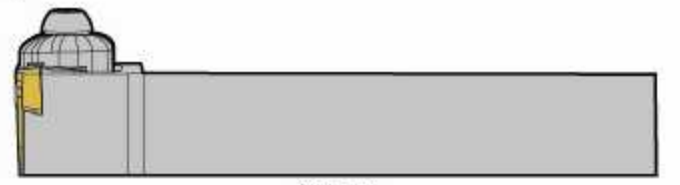












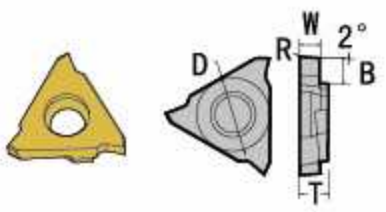


型號 Specification		最大 切深T	H	B	L	F	壓板 Clamp	壓板螺絲 Clamp screw	刀片螺絲 Insert screw	彈簧 Spring	扳手 Wrench
GTAR/L	1616H16L	2.5	16	16	100	20	GYL	B0620	-	SP-0612	L04
	2020K16L	2.5	20	20	125	25	GYL	B0620	-	SP-0612	L04
	2525M16L	2.5	25	25	150	30	GYL	B0620	-	SP-0612	L04
	2020K22-15L	4	20	20	125	27	GYL	B0620	-	SP-0612	L04
	2525M22-15L	4	25	25	150	32	GYL	B0620	-	SP-0612	L04
	2020K22-25L	4.5	20	20	125	27	GYL	B0620	-	SP-0612	L04
	2525M22-25L	4.5	25	25	150	32	GYL	B0620	-	SP-0612	L04
	2020K22-35L	5.5	20	20	125	27	GYL	B0620	-	SP-0612	L04
	2525M22-35L	5.5	25	25	150	32	GYL	B0620	-	SP-0612	L04
GTBR/L	1616H16L	2.5	16	16	100	20	GYL	B0620	M3.5*7	SP-0612	L045,Q15
	2020K16L	2.5	20	20	125	25	GYL	B0620	M3.5*7	SP-0612	L045,Q15
	2525M16L	2.5	25	25	150	30	GYL	B0620	M3.5*7	SP-0612	L045,Q15
	2020K22-15L	4	20	20	125	27	GYL	B0620	M5*12	SP-0612	L045,Q20
	2525M22-15L	4	25	25	150	32	GYL	B0620	M5*12	SP-0612	L045,Q20
	2020K22-25L	4.5	20	20	125	27	GYL	B0620	M5*12	SP-0612	L045,Q20
	2525M22-25L	4.5	25	25	150	32	GYL	B0620	M5*12	SP-0612	L045,Q20
	2020K22-35L	5.5	20	20	125	27	GYL	B0620	M5*12	SP-0612	L045,Q20
	2525M22-35L	5.5	25	25	150	32	GYL	B0620	M5*12	SP-0612	L045,Q20

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Type G

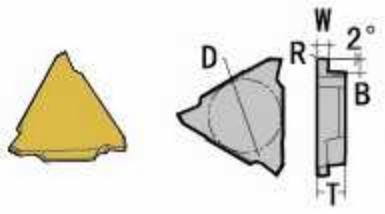
GT*R/L適用刀片



型號 Specification	W	B	D	R	適應刀杆型號 For
GT32R/L K050	0.50	1.0	9.525	R0.05	GTAR/L……16 GTBR/L……16 GTAR/L……16L GTBR/L……16L
075	0.75	2.0	9.525	R0.1	
095	0.95	2.0	9.525	R0.1	
100	1.00	2.0	9.525	R0.1	
125	1.25	2.0	9.525	R0.1	
145	1.45	2.0	9.525	R0.1	
150	1.50	2.0	9.525	R0.1	
200	2.00	2.5	9.525	R0.1	
250	2.00	2.5	9.525	R0.1	
GT43R/L K125	1.25	2.0	12.70	R0.1	GTAR/L……22-15 GTBR/L……22-15 GTAR/L……22-15L GTBR/L……22-15L
125	1.25	2.0	12.70	R0.2	
145	1.45	2.0	12.70	R0.2	
150	1.50	3.5	12.70	R0.1	
150	1.50	3.5	12.70	R0.2	
175	1.75	3.5	12.70	R0.2	
185	1.85	3.5	12.70	R0.2	
200	2.00	3.5	12.70	R0.1	
200	2.00	3.5	12.70	R0.2	
230	2.30	3.5	12.70	R0.2	
GT43R/L K250	2.50	4.0	12.70	R0.1	GTAR/L……22-25 GTBR/L……22-25 GTAR/L……22-25L GTBR/L……22-25L
250	2.50	4.0	12.70	R0.3	
265	2.65	4.0	12.70	R0.3	
280	2.80	4.0	12.70	R0.3	
300	3.00	4.0	12.70	R0.1	
300	3.00	4.0	12.70	R0.3	
330	3.30	4.0	12.70	R0.3	
GT43R/L K350	3.50	5.0	12.70	R0.1	GTAR/L……22-35 GTBR/L……22-35 GTAR/L……22-35L GTBR/L……22-35L
350	3.50	4.0	12.70	R0.3	
400	4.00	5.0	12.70	R0.1	
400	4.00	4.0	12.70	R0.4	
430	4.30	5.0	12.70	R0.4	
450	4.50	5.0	12.70	R0.4	
480	4.80	5.0	12.70	R0.4	

Type G

GT*R/L適用刀片

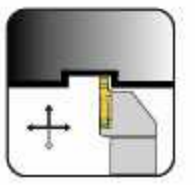


型號 Specification	W	B	D	R	適應刀杆型號 For
GT32R/L K050	0.50	1.0	9.525	R0.05	GTBR/L.....16 GTBR/L.....16L
075	0.75	2.0	9.525	R0.1	
095	0.95	2.0	9.525	R0.1	
100	1.00	2.0	9.525	R0.1	
125	1.25	2.0	9.525	R0.1	
145	1.45	2.0	9.525	R0.1	
150	1.50	2.0	9.525	R0.1	
200	2.00	2.5	9.525	R0.1	
250	2.00	2.5	9.525	R0.1	
GT43R/L K125	1.25	2.0	12.70	R0.1	GTBR/L.....22-15 GTBR/L.....22-15L
125	1.25	2.0	12.70	R0.2	
145	1.45	2.0	12.70	R0.2	
150	1.50	3.5	12.70	R0.1	
150	1.50	3.5	12.70	R0.2	
175	1.75	3.5	12.70	R0.2	
185	1.85	3.5	12.70	R0.2	
200	2.00	3.5	12.70	R0.1	
200	2.00	3.5	12.70	R0.2	
230	2.30	3.5	12.70	R0.2	
GT43R/L K250	2.50	4.0	12.70	R0.1	GTBR/L.....22-25 GTBR/L.....22-25L
250	2.50	4.0	12.70	R0.3	
265	2.65	4.0	12.70	R0.3	
280	2.80	4.0	12.70	R0.3	
300	3.00	4.0	12.70	R0.1	
300	3.00	4.0	12.70	R0.3	
330	3.30	4.0	12.70	R0.3	
GT43R/L K350	3.50	5.0	12.70	R0.1	GTBR/L.....22-35 GTBR/L.....22-35L
350	3.50	4.0	12.70	R0.3	
400	4.00	5.0	12.70	R0.1	
400	4.00	4.0	12.70	R0.4	
430	4.30	5.0	12.70	R0.4	
450	4.50	5.0	12.70	R0.4	
480	4.80	5.0	12.70	R0.4	

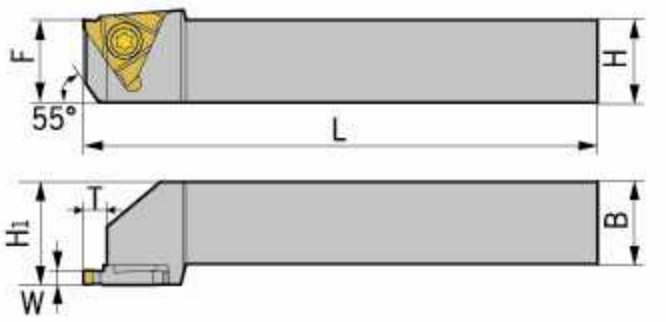
Type K

KTGR/L









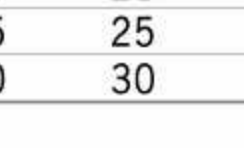
型號 Specification		最大 切深T	H	B	L	F	W	刀片 Insert	螺絲 Screw	扳手 Wrench
KTGR/L	1616H16	2.3	16	16	100	21		TG32R200	M3.5*9	Q15
	2020K16	2.3	20	20	125	25		TG32R200	M4*9	Q15
	2525M16	2.5	25	25	150	30		TG32R200	M4*9	Q15

Type M

MGEHR/L









型號 Specification		最大 切深T	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
MGEHR/L	1616-1.5	14.5	16	16	100	16.25	MGMN150-G	M5*16	L04
	2020-1.5	14.5	20	20	125	20.25	MGMN150-G	M5*16	L04
	2525-1.5	14.5	25	25	150	25.25	MGMN150-G	M5*16	L04
	1212-2	14.5	12	12	100	12.25	MGMN200-G MGMN200-M MGMN200-□□	M5*16	L04
	1616-2	14.5	16	16	100	16.25		M5*16	L04
	2020-2	14.5	20	20	125	20.25		M5*16	L04
	2525-2	14.5	25	25	150	25.25		M5*16	L04
	1616-2.5	16.5	16	16	100	16.3	MGMN250-G MGMN250-M	M5*16	L04
	2020-2.5	16.5	20	20	125	20.3		M5*16	L04
	2525-2.5	16.5	25	25	150	25.3		M5*16	L04
	1616-3	18.5	16	16	100	16.35	MGMN300-M MGMN300-□□M MRMN300-M MGMR300-□□M	M6*16	L05
	2020-3	18	20	20	125	20.4		M6*20	L05
	2020-3-T10	10	20	20	125	20.4		M6*20	L05
	2525-3	18	25	25	150	25.4		M6*25	L05
	2525-3-T10	10	25	25	150	25.4		M6*25	L05
	3232-3	18	32	32	170	32.4		M6*25	L05
	3232-3-T10	10	32	32	170	32.4		M6*25	L05

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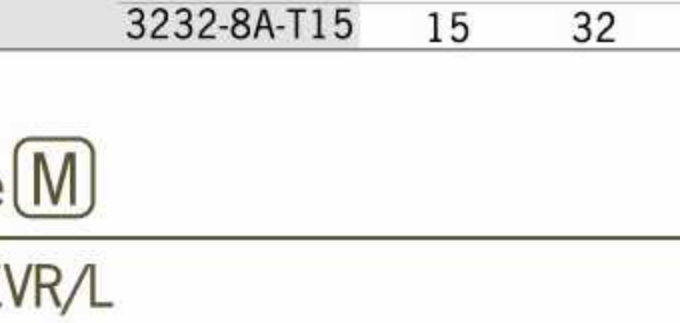
Type M

MGEHR/L

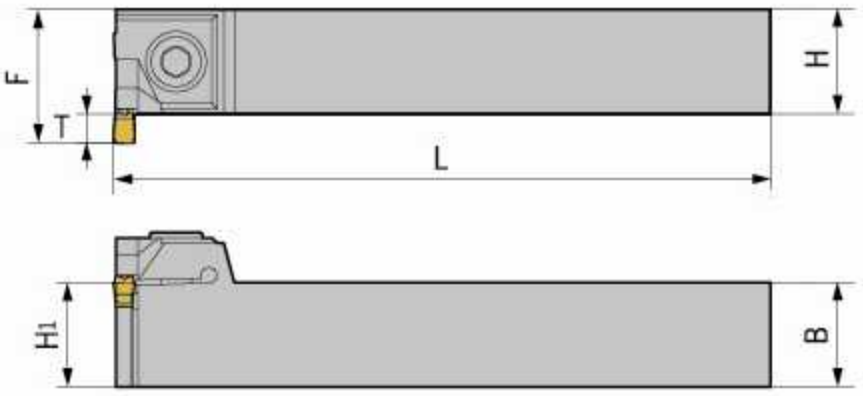
型號 Specification		最大 切深T	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
MGEHR/L	2020-4	18	20	20	125	20.4	MGMN400-M MGMN400-□□M MRMN400-M MGMR400-□□M	M6*20	L05
	2020-4-T10	10	20	20	125	20.4		M6*20	L05
	2525-4	18	25	25	150	25.4		M6*25	L05
	2525-4-T10	10	25	25	150	25.4		M6*25	L05
	3232-4	18	32	32	170	32.4		M6*25	L05
	3232-4-T10	10	32	32	170	32.4		M6*25	L05
	2020-5	23	20	20	150	20.5	MGMN500-M MGMN500-□□M MRMN500-M MGMR500-□□M	M6*20	L05
	2020-5-T15	15	20	20	150	20.5		M6*20	L05
	2525-5	23	25	25	150	25.5		M6*25	L05
	2525-5-T15	15	25	25	150	25.5		M6*25	L05
	3232-5	23	32	32	170	32.5		M6*25	L05
	3232-5-T15	15	32	32	170	32.5		M6*25	L05
	2020-6	23	20	20	125	20.6	MGMN600-M MGGN600-□□M MRMN600-M	M6*20	L05
	2020-6-T15	15	20	20	125	20.6		M6*20	L05
	2525-6	23	25	25	150	25.6		M6*25	L05
	2525-6-T15	15	25	25	150	25.6		M6*25	L05
	3232-6	23	32	32	170	32.6		M6*25	L05
	3232-6-T15	15	32	32	170	32.6		M6*25	L05
	2525-8	28	25	25	150	26.1	MRMN800-M	M6*25	L05
	2525-5-T15	15	25	25	150	26.1	MRMN800-M	M6*25	L05
	3232-8	28	32	32	170	33.1	MRMN800-M	M6*25	L05
	3232-8-T15	16	32	32	170	33.1	MRMN800-M	M6*25	L05
	2525-6A	23	25	25	150	25.6	MRGN600-A	M6*25	L05
	2525-6A-T15	15	25	25	150	25.6	MRGN600-A	M6*25	L05
	3232-6A	23	32	32	170	32.6	MRGN600-A	M6*25	L05
	3232-6A-T15	15	32	32	170	32.6	MRGN600-A	M6*25	L05
	2525-8A	28	25	25	150	26.1	MRGN800-A	M6*25	L05
	2525-8A-T15	16	25	25	150	26.1	MRGN800-A	M6*25	L05
	3232-8A	28	32	32	170	33.1	MRGN800-A	M6*25	L05
	3232-8A-T15	15	32	32	170	33.1	MRGN800-A	M6*25	L05

Type M

MGEVR/L









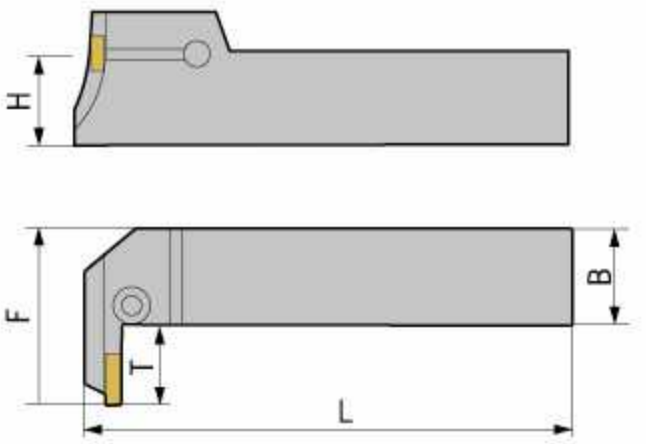
型號 Specification		最大 切深T	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
MGEVR/L	2020-2	3.6	20	20	125	24	MGMN200-G	M5*16	L04
	2020-3	5.5	20	20	125	26	MGMN300-M	M6*20	L05
	2020-4	5.5	20	20	125	26	MGMN400-M	M6*20	L05

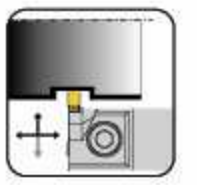
Type M

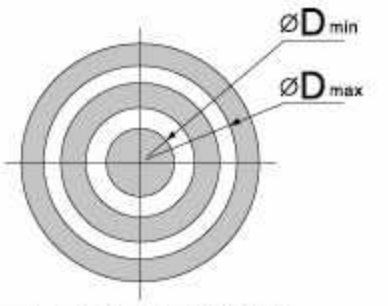
MGFVR/L











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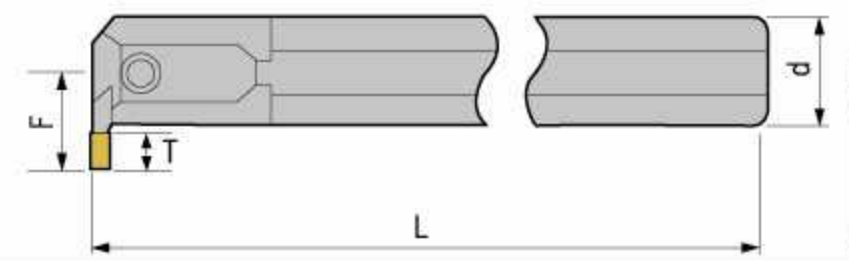
型號 Specification		D (min-max)	最大切深T	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
MGFVR/L	325-24/35-T10	24-35	10	25	25	150	18	MFMN300	M6*20	L05
	325-29/40-T10	29-40	10	25	25	150	18	MFMN300	M6*20	L05
	325-34/50-T10	34-50	10	25	25	150	18	MFMN300	M6*20	L05
	425-44/60-T10	44-60	10	25	25	150	25	MGMN400-N	M6*20	L05

Type M

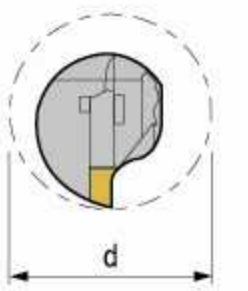
MGIVR/L











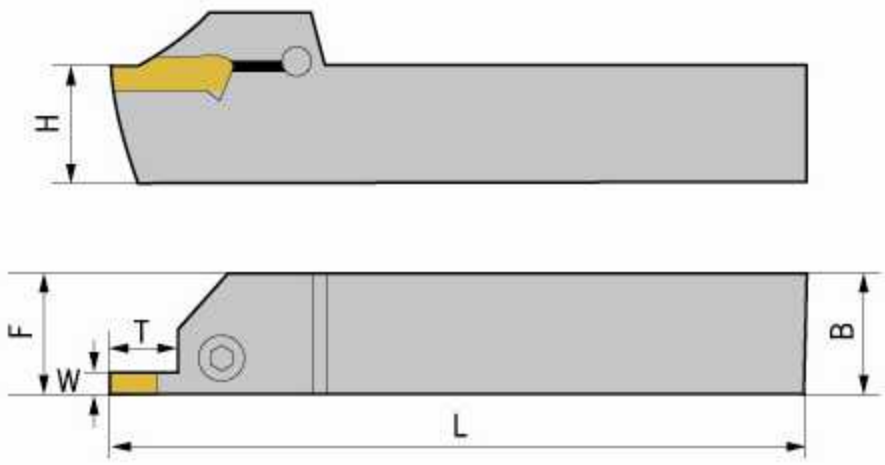
型號 Specification		最小加工徑	最大切深T	d	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
MGIVR/L	2016-1.5	20	4	16	125	11.3	MGMN150-G	M3*10	L025
	2520-1.5	25	4	20	150	13.1	MGMN150-G	M5*12	L04
	2925-1.5	29	4	25	200	16.2	MGMN150-G	M5*12	L04
	2016-2	20	5	16	125	12.4	MGMN200-G	M3*10	L025
	2520-2	25	5	20	150	14	MGMN200-M	M5*12	L04
	2925-2	29	5	25	200	17.2	MRMN200-M	M5*12	L04
	2016-2.5	20	6	16	125	12.5	MGMN250-G	M3*10	L025
	2520-2.5	25	6	20	150	15.1	MGMN250-M	M5*16	L04
	2925-2.5	29	6	25	200	18.2		M5*16	L04
	2520-3	25	6	20	150	15.6	MGMN300-M/G	M5*12	L04
	3125-3	31	6	25	200	18.9	MGGN300-□□M	M5*16	L04
	3732-3	37	6	32	250	21.5	MRMN300-M	M5*16	L04
	2520-4	25	6	20	150	15.6	MGMN400-M/G	M5*12	L04
	3125-4	31	6	25	200	18.9	MGGN400-□□M	M5*12	L04
	3732-4	37	6	32	250	21.5	MRMN400-M	M5*12	L04
	3125-5	31	8	25	200	19.4	MGMN500-M/G	M6*20	L05
	3732-5	37	8	32	250	21.5	MGGN500-□□M MRMN500-M	M6*20	L05
	3725-6	31	8	25	200	19.4	MGMN600-M/G	M6*20	L05
	3732-6	37	8	32	250	21.5	MGGN600-□□M MRMN600-M	M6*20	L05
	3732-8	37	10	32	250	23.4	MRMN800-M	M6*20	L05
	4540-8	45	10	40	300	27.2	MGMN800-M	M6*20	L05
	3125-6A	31	8	25	200	19.4	MRGN600-A	M6*20	L05
	3732-6A	37	8	32	250	21.5	MRGN600-A	M6*20	L05
	3732-8A	37	10	32	250	23.4	MRGN800-A	M6*20	L05
	4540-8A	45	10	40	300	27.2	MRGN800-A	M6*20	L05

QE*DR/L







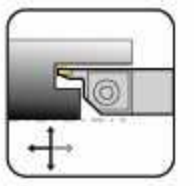


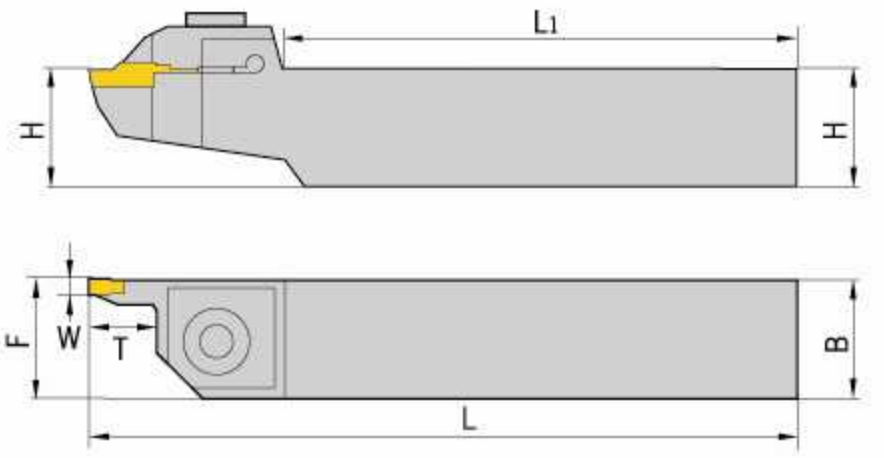
型號 Specification		最大 切深T	H	B	L	F	W	刀片 Insert	螺絲 Screw	扳手 Wrench
QEED	1616R/L10	10	16	16	125	16.3	2.5	Z*ED****-**	M5*16	L04
	1616R/L17	17	16	16	125	16.3	2.5	Z*ED****-**	M5*16	L04
	2020R/L10	10	20	20	125	20.3	2.5	Z*ED****-**	M6*20	L05
	2020R/L17	17	20	20	125	20.3	2.5	Z*ED****-**	M6*20	L05
	2525R/L10	10	25	25	150	25.3	2.5	Z*ED****-**	M6*25	L05
	2525R/L17	17	25	25	150	25.3	2.5	Z*ED****-**	M6*25	L05
QEFD	1616R/L10	10	16	16	125	16.3	3	Z*FD****-**	M5*16	L04
	1616R/L17	17	16	16	125	16.3	3	Z*FD****-**	M5*16	L04
	2020R/L10	10	20	20	125	20.3	3	Z*FD****-**	M6*20	L05
	2020R/L17	17	20	20	125	20.3	3	Z*FD****-**	M6*20	L05
	2525R/L10	10	25	25	150	25.3	3	Z*FD****-**	M6*25	L05
	2525R/L17	17	25	25	150	25.3	3	Z*FD****-**	M6*25	L05
QEGD	2020R/L13	13	20	20	125	20.5	4	Z*GD****-**	M6*20	L05
	2020R/L22	22	20	20	125	20.5	4	Z*GD****-**	M6*20	L05
	2525R/L13	13	25	25	150	25.5	4	Z*GD****-**	M6*25	L05
	2525R/L22	22	25	25	150	25.5	4	Z*GD****-**	M6*25	L05
	3232R/L13	13	32	32	170	32.5	4	Z*GD****-**	M6*25	L05
	3232R/L22	22	32	32	170	32.5	4	Z*GD****-**	M6*25	L05
QEHD	2525R/L13	13	25	25	150	25.5	5	Z*HD****-**	M6*25	L05
	2525R/L22	22	25	25	150	25.5	5	Z*HD****-**	M6*25	L05
	3232R/L13	13	32	32	170	32.5	5	Z*HD****-**	M6*25	L05
	3232R/L22	22	32	32	170	32.5	5	Z*HD****-**	M6*25	L05
QEKD	2525R/L13	13	25	25	150	25.6	6	Z*KD****-**	M6*25	L05
	2525R/L22	22	25	25	150	25.6	6	Z*KD****-**	M6*25	L05
	3232R/L13	13	32	32	170	32.6	6	Z*KD****-**	M6*25	L05
	3232R/L22	22	32	32	170	32.6	6	Z*KD****-**	M6*25	L05

Type Q

QF*D**LL**







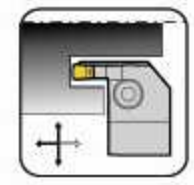


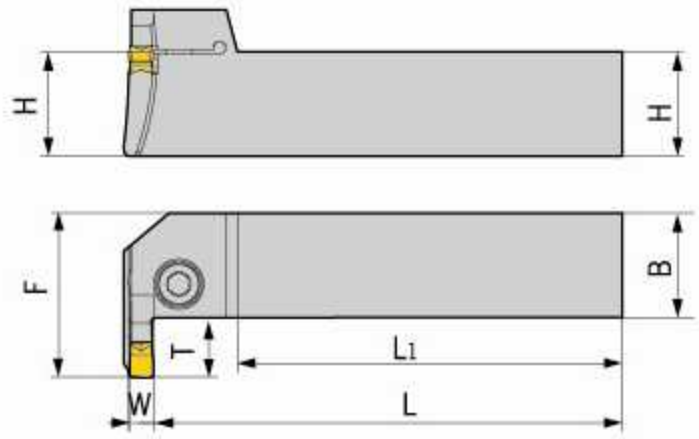
型號 Specification		D (min-max)	最大切深T	H	B	L	F	W	刀片 Insert	螺絲 Screw	扳手 Wrench
QFFD	2525LL10-48H	48-66	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LL17-48H	48-66	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LL10-60H	60-80	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LL17-60H	60-80	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LL10-74H	74-110	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LL17-74H	74-110	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LL10-100H	100-150	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LL17-100H	100-150	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
QFGD	2525LL13-52H	52-72	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LL22-52H	52-72	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LL13-64H	64-100	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LL22-64H	64-100	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LL13-90H	90-140	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LL22-90H	90-140	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LL13-130H	130-230	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LL22-130H	130-230	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
QFHD	2525LL13-58H	58-96	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LL22-58H	58-96	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LL13-86H	86-140	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LL22-86H	86-140	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LL13-130H	130-200	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LL22-130H	130-200	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LL13-185H	185-400	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LL22-185H	185-400	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
QFKD	2525LL13-60H	60-100	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525LL22-60H	60-100	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525LL13-88H	88-180	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525LL22-88H	88-180	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525LL13-160H	160-400	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525LL22-160H	160-400	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05

Type Q

QF*D-L









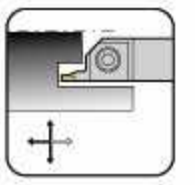
型號 Specification		D (min-max)	最大切深T	H	B	L	F	W	刀片 Insert	螺絲 Screw	扳手 Wrench
QFFD	2525R/L10-48L	48-66	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525R/L17-48L	48-66	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525R/L10-60L	60-80	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525R/L17-60L	60-80	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525R/L10-74L	74-110	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525R/L17-74L	74-110	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525R/L10-100L	100-150	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525R/L17-100L	100-150	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
QFGD	2525R/L13-52L	52-72	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525R/L22-52L	52-72	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525R/L13-64L	64-100	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525R/L22-64L	64-100	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525R/L13-90L	90-140	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525R/L22-90L	90-140	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525R/L13-130L	130-230	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525R/L22-130L	130-230	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
QFHD	2525R/L13-58L	58-96	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525R/L22-58L	58-96	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525R/L13-86L	86-140	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525R/L22-86L	86-140	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525R/L13-130L	130-200	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525R/L22-130L	130-200	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525R/L13-185L	185-400	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525R/L22-185L	185-400	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
QFKD	2525R/L13-60L	60-100	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525R/L22-60L	60-100	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525R/L13-88L	88-180	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525R/L22-88L	88-180	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525R/L13-160L	160-400	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525R/L22-160L	160-400	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05

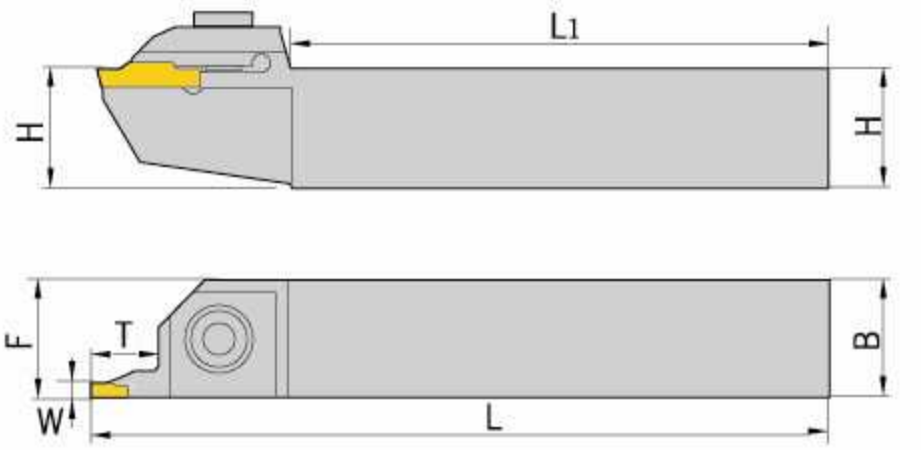
Type Q

QF*D**RR**





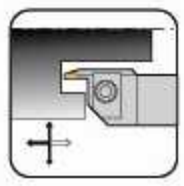




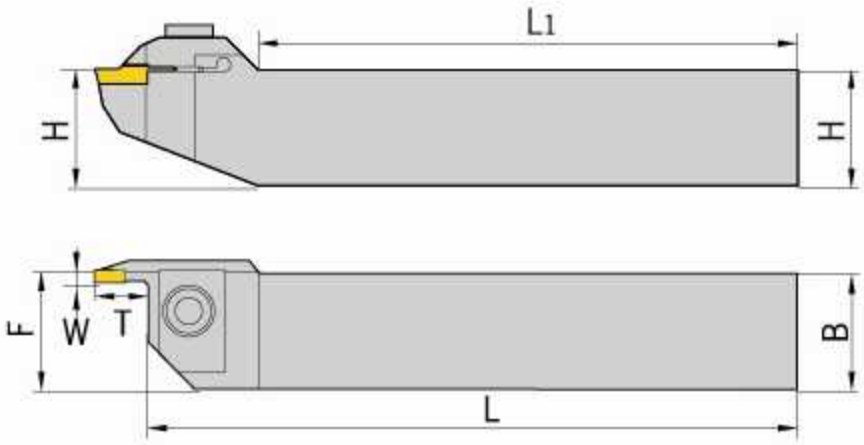
型號 Specification		D (min-max)	最大切深T	H	B	L	F	W	刀片 Insert	螺絲 Screw	扳手 Wrench
QFFD	2525RR10-48H	48-66	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RR17-48H	48-66	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RR10-60H	60-80	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RR17-60H	60-80	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RR10-74H	74-110	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RR17-74H	74-110	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RR10-100H	100-150	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RR17-100H	100-150	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
QFGD	2525RR13-52H	52-72	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RR22-52H	52-72	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RR13-64H	64-100	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RR22-64H	64-100	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RR13-90H	90-140	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RR22-90H	90-140	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RR13-130H	130-230	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RR22-130H	130-230	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
QFHD	2525RR13-58H	58-96	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RR22-58H	58-96	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RR13-86H	86-140	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RR22-86H	86-140	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RR13-130H	130-200	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RR22-130H	130-200	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RR13-185H	185-400	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RR22-185H	185-400	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
QFKD	2525RR13-60H	60-100	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525RR22-60H	60-100	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525RR13-88H	88-180	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525RR22-88H	88-180	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525RR13-160H	160-400	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525RR22-160H	160-400	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05

QF*D**RL**







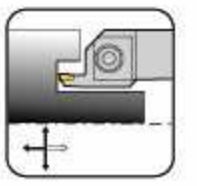


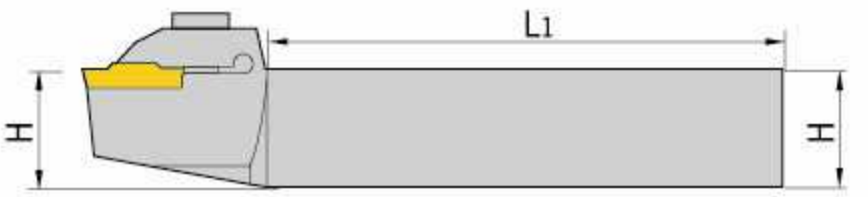
型號 Specification		D (min-max)	最大切深T	H	B	L	F	W	刀片 Insert	螺絲 Screw	扳手 Wrench
QFFD	2525RL10-48H	48-66	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RL17-48H	48-66	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RL10-60H	60-80	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RL17-60H	60-80	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RL10-74H	74-110	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RL17-74H	74-110	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525RLL10-100H	100-150	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525R17-100H	100-150	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
QFGD	2525RL13-52H	52-72	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RLL22-52H	52-72	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525R13-64H	64-100	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RL22-64H	64-100	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RL13-90H	90-140	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RL22-90H	90-140	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RL13-130H	130-230	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525RL22-130H	130-230	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
QFHD	2525RL13-58H	58-96	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RL22-58H	58-96	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RL13-86H	86-140	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RL22-86H	86-140	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RL13-130H	130-200	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RL22-130H	130-200	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RL13-185H	185-400	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525RL22-185H	185-400	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
QFKD	2525RL13-60H	60-100	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525RL22-60H	60-100	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525RL13-88H	88-180	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525RL22-88H	88-180	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525R13-160H	160-400	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525RL22-160H	160-400	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05

Type Q

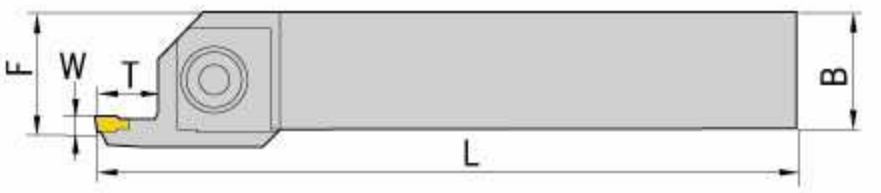
QF*D**LR**









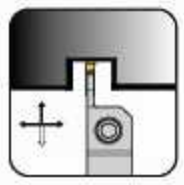


型號 Specification		D (min-max)	最大切深T	H	B	L	F	W	刀片 Insert	螺絲 Screw	扳手 Wrench
QFFD	2525LR10-48H	48-66	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LR17-48H	48-66	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LR10-60H	60-80	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LR17-60H	60-80	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LR10-74H	74-110	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LR17-74H	74-110	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LR10-100H	100-150	10	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
	2525LR17-100H	100-150	17	25	25	150	26	3	ZTFD0303-MG	M6*25	L05
QFGD	2525LR13-52H	52-72	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LR22-52H	52-72	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LR13-64H	64-100	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LR22-64H	64-100	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LR13-90H	90-140	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LR22-90H	90-140	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LR13-130H	130-230	13	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
	2525LR22-130H	130-230	22	25	25	150	26	4	ZTFD0404-MG	M6*25	L05
QFHD	2525LR13-58H	58-96	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LR22-58H	58-96	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LR13-86H	86-140	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LR22-86H	86-140	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LR13-130H	130-200	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LR22-130H	130-200	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LR13-185H	185-400	13	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
	2525LR22-185H	185-400	22	25	25	150	26	5	ZTFD0504-MG	M6*25	L05
QFKD	2525LR13-60H	60-100	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525LR22-60H	60-100	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525LR13-88H	88-180	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525LR22-88H	88-180	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525LR13-160H	160-400	13	25	25	150	26	6	ZTFD0608-MG	M6*25	L05
	2525LR22-160H	160-400	22	25	25	150	26	6	ZTFD0608-MG	M6*25	L05

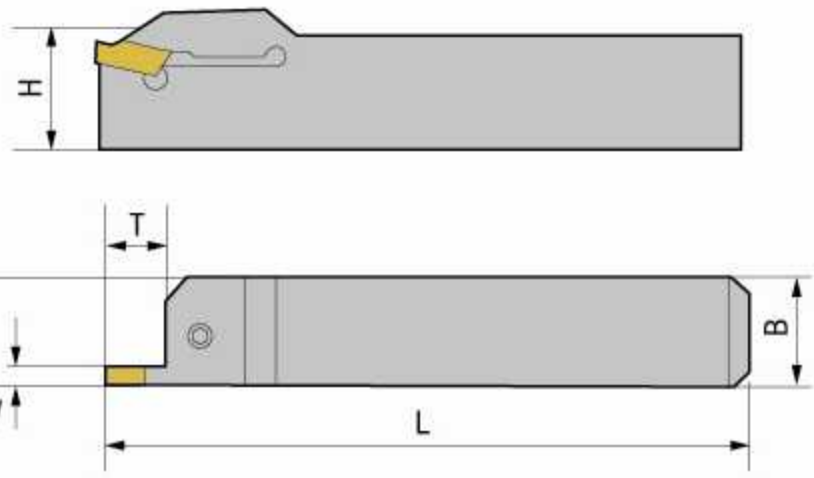
Type Q

QZQ







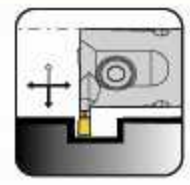


型號 Specification		最大 切深T	H	B	L	F	W	刀片 Insert	螺絲 Screw	扳手 Wrench
QZQ	1616R/L03	16	16	16	100	16.4	3	ZQMX3N11-1E	M5*16	L04
	2020R/L03	20	20	20	125	20.4	3	ZQMX3N11-1E	M5*16	L04
	2525R/L03	20	25	25	150	25.4	3	ZQMX3N11-1E	M6*20	L05
	3232R/L03	25	32	32	170	25.4	3	ZQMX3N11-1E	M6*20	L05
	1616R/L04	16	16	16	100	16.4	4	ZQMX4N11-1E	M5*16	L04
	2020R/L04	20	20	20	125	20.4	4	ZQMX4N11-1E	M5*16	L04
	2525R/L04	20	25	25	150	25.4	4	ZQMX4N11-1E	M6*20	L05
	3232R/L04	25	32	32	170	25.4	4	ZQMX4N11-1E	M6*20	L05

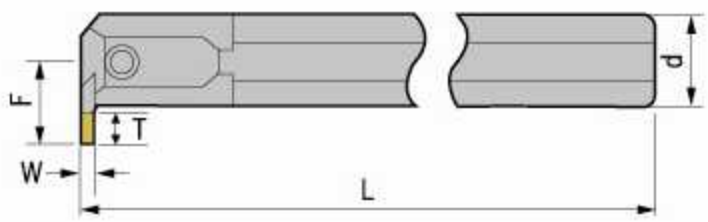
Type Q

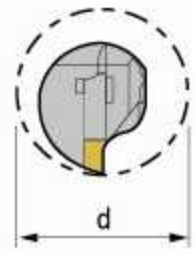
Q*DR/L











型號 Specification	最小 加工徑	最大 切深T	d	L	F	W	刀片 Insert	螺絲 Screw	扳手 Wrench
C20Q-QEDR/L05-27	27	5	20	180	15.2	2.5	ZTED***** ZRED*****	M5*12	L04
C25R-QEDR/L07-33	33	7	25	200	20.3	2.5		M5*16	L04
C32S-QEDR/L09-42	42	9	32	250	25.3	2.5		M5*16	L04
C20Q-QFDR/L05-27	27	5	20	180	15.2	3	ZTFD***** ZRFD*****	M4*16	L04
C25R-QFDR/L07-33	33	7	25	200	20.3	3		M5*12	L04
C32S-QFDR/09-42	42	9	32	250	25.3	3		M5*16	L04
C25R-QGDR/L08-35	35	8	25	200	21.5	4	ZTGD***** ZRGD*****	M5*16	L04
C32S-QGDR/L11-44	44	11	32	250	27.5	4		M5*16	L04
C40T-QGDR/L13-54	54	13	40	300	33.5	4		M5*16	L04
C25R-QHDR/L08-35	35	8	25	200	21.5	5	ZTHD***** ZRHD*****	M5*16	L05
C32S-QHDR/L11-44	44	11	32	250	27.5	5		M6*20	L05
C40T-QHDR/L13-54	54	13	40	300	33.5	5		M6*20	L05
C25R-QKDR/L08-35	35	8	25	200	21.5	6	ZTKD***** ZRKD*****	M6*16	L05
C32S-QKDR/11-44	44	11	32	250	27.5	6		M6*20	L05
C40T-QKDR/L13-54	54	13	40	300	33.5	6		M6*20	L05

Type S

SNGR/L









型號 Specification		最大 切深T	H	B	L	F	刀片 Insert	螺絲 Screw	扳手 Wrench
SNGR/L	08H07	10	8	5.8	100	1.7	7GR200	M2.2*5	Q06
	10K07	12	10	6.8	125	1.7	7GR200	M2.2*6	Q06
	10K08	14	10	7.6	125	2.2	8GR300	M2.2*7	Q06
	12M08	16	12	8.6	150	2.2	8GR100	M2.2*7	Q06
	16Q09	20	16	11.5	180	3.2	9GR300	M2.5*9	Q08
	20R09	24	20	13.6	200	3.2	9GR300	M2.5*9	Q08

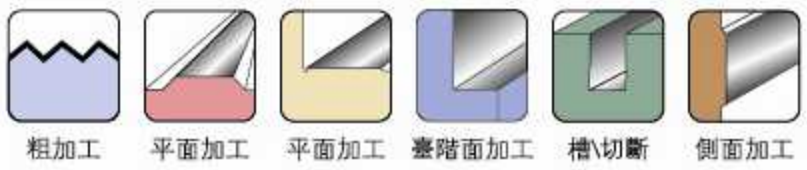
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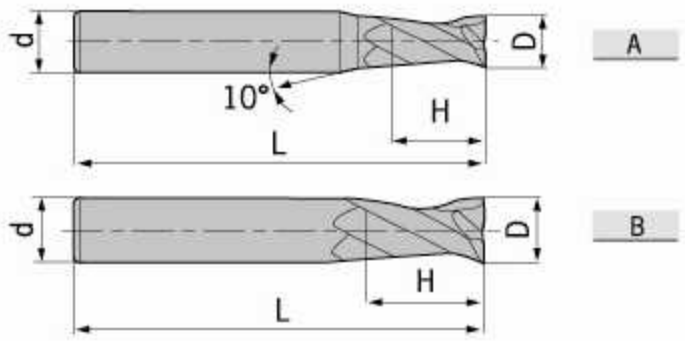


DP-2-E / Square / Standard / 2 Flutes

DP-2-E兩刃直柄平頭立銑刀

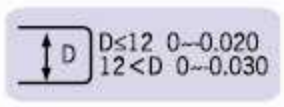














型號 Specification	刃數 Flute	圖示 Figure	D	d	H	L
DP- D1.0S-50-2T-E	2	A	1.0	4	3	50
D1.5S-50-2T-E	2	A	1.5	4	4	50
D2.0S-50-2T-E	2	A	2.0	4	6	50
D2.5S-50-2T-E	2	A	2.5	4	8	50
D3.0S-50-2T-E	2	A	3.0	4	8	50
D4.0S-50-2T-E	2	B	4.0	4	11	50
D1.0-50-2T-E	2	A	1.0	6	3	50
D1.5-50-2T-E	2	A	1.5	6	4	50
D2.0-50-2T-E	2	A	2.0	6	6	50
D2.5-50-2T-E	2	A	2.5	6	8	50
D3.0-50-2T-E	2	A	3.0	6	8	50
D3.5-50-2T-E	2	A	3.5	6	10	50
D4.0-50-2T-E	2	A	4.0	6	11	50
D4.5-50-2T-E	2	A	4.5	6	11	50
D5.0-50-2T-E	2	A	5.0	6	13	50
D5.5-50-2T-E	2	A	5.5	6	16	50
D6.0-50-2T-E	2	B	6.0	6	16	50
D7.0-60-2T-E	2	A	7.0	8	20	60
D8.0-60-2T-E	2	B	8.0	8	20	60
D9.0-75-2T-E	2	A	9.0	10	22	75
D10.0-75-2T-E	2	B	10.0	10	25	75
D11.0-75-2T-E	2	A	11.0	12	26	75
D12.0-75-2T-E	2	B	12.0	12	30	75
D14.0-75-2T-E	2	B	14.0	14	32	75
D16.0-100-2T-E	2	B	16.0	16	45	100
D18.0-100-2T-E	2	B	18.0	18	45	100
D20.0-100-2T-E	2	B	20.0	20	45	100

特 點 / Feature

■最適宜溝槽銑削。 ■ Special for Rib-processing.
■適用範圍廣泛。 ■ For general purpose.

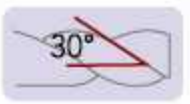
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	◎	◎		○	◎			○	○

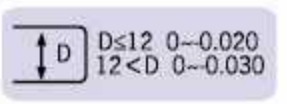
DP-2-EL / Square / Long / 2 Flutes

DP-2-EL兩刃直柄長刃平頭立銑刀



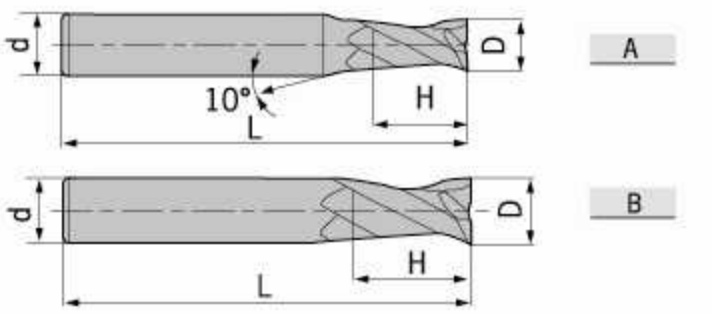


Coated NaNo TiAlN









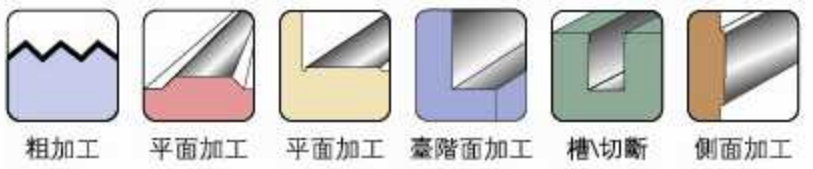
型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DP-	D3.0-75-2T-EL	2	A	3.0	6	12	75
	D4.0-75-2T-EL	2	A	4.0	6	15	75
	D5.0-75-2T-EL	2	A	5.0	6	20	75
	D6.0-75-2T-EL	2	B	6.0	6	20	75
	D8.0-100-2T-EL	2	B	8.0	8	25	100
	D10.0-100-2T-EL	2	B	10.0	10	30	100
	D12.0-100-2T-EL	2	B	12.0	12	35	100
	D14.0-100-2T-EL	2	B	14.0	14	40	100
	D16.0-150-2T-EL	2	B	16.0	16	50	150
	D20.0-150-2T-EL	2	B	20.0	20	55	150

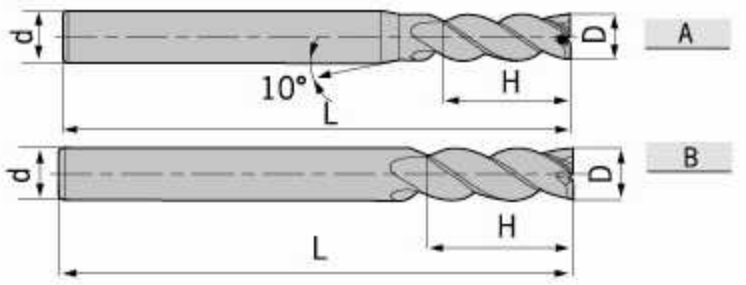
■Work Piece Table ◎Excellent ○Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	◎	◎		○	◎			○	○

DP-4-E四刃直柄平頭立銑刀

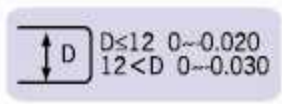














型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DP-	D1.0S-50-4T-E	4	A	1.0	4	3	50
	D1.5S-50-4T-E	4	A	1.5	4	4	50
	D2.0S-50-4T-E	4	A	2.0	4	6	50
	D2.5S-50-4T-E	4	A	2.5	4	8	50
	D3.0S-50-4T-E	4	A	3.0	4	8	50
	D4.0S-50-4T-E	4	B	4.0	4	11	50
	D1.0-50-4T-E	4	A	1.0	6	3	50
	D1.5-50-4T-E	4	A	1.5	6	4	50
	D2.0-50-4T-E	4	A	2.0	6	6	50
	D2.5-50-4T-E	4	A	2.5	6	8	50
	D3.0-50-4T-E	4	A	3.0	6	8	50
	D3.5-50-4T-E	4	A	3.5	6	10	50
	D4.0-50-4T-E	4	A	4.0	6	11	50
	D4.5-50-4T-E	4	A	4.5	6	11	50
	D5.0-50-4T-E	4	A	5.0	6	13	50
	D5.5-50-4T-E	4	A	5.5	6	16	50
	D6.0-50-4T-E	4	B	6.0	6	16	50
	D7.0-60-4T-E	4	A	7.0	8	20	60
	D8.0-60-4T-E	4	B	8.0	8	20	60
	D9.0-75-4T-E	4	A	9.0	10	22	75
	D10.0-75-4T-E	4	B	10.0	10	25	75
	D11.0-75-4T-E	4	A	11.0	12	26	75
	D12.0-75-4T-E	4	B	12.0	12	30	75
	D14.0-75-4T-E	4	B	14.0	14	32	75
	D16.0-100-4T-E	4	B	16.0	16	45	100
	D18.0-100-4T-E	4	B	18.0	18	45	100
	D20.0-100-4T-E	4	B	20.0	20	45	100

特 點 / Feature

■最適宜側面銑削，淺槽加工。
■適用範圍廣泛

■ Special for side milling and rib-processing.
■ For general purpose.

■Work Piece Table ◎Excellent ○Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	◎	◎		○	◎			○	○

DP-4-EL / Square / Long / 4 Flutes

DP-4-EL四刃直柄平頭立銑刀

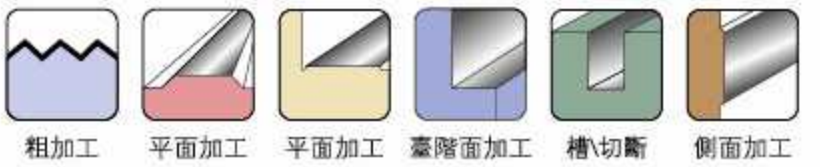


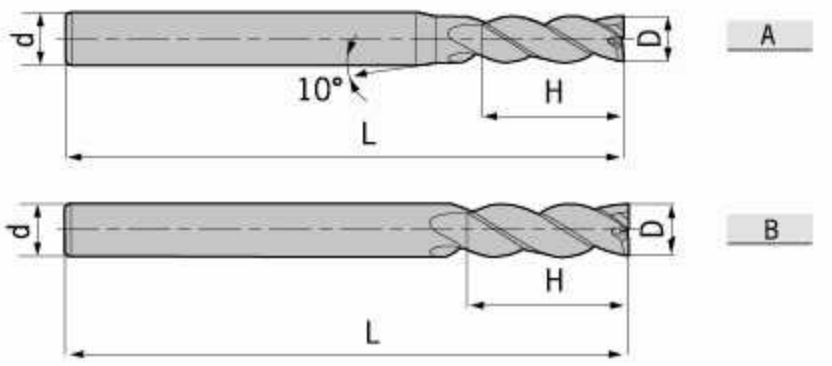












型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DP-	D3.0-75-4T-EL	4	A	3.0	6	12	75
	D4.0-75-4T-EL	4	A	4.0	6	15	75
	D5.0-75-4T-EL	4	A	5.0	6	20	75
	D6.0-75-4T-EL	4	B	6.0	6	20	75
	D8.0-100-4T-EL	4	B	8.0	8	25	100
	D10.0-100-4T-EL	4	B	10.0	10	30	100
	D12.0-100-4T-EL	4	B	12.0	12	35	100
	D14.0-100-4T-EL	4	B	14.0	14	40	100
	D16.0-150-4T-EL	4	B	16.0	16	50	150
	D20.0-150-4T-EL	4	B	20.0	20	55	150

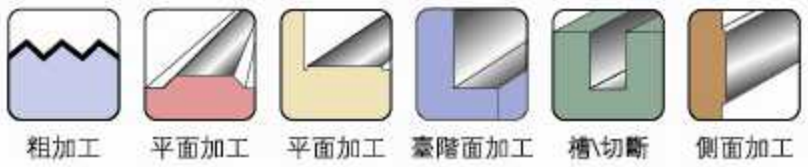
■Work Piece Table ◎ Excellent ○ Good

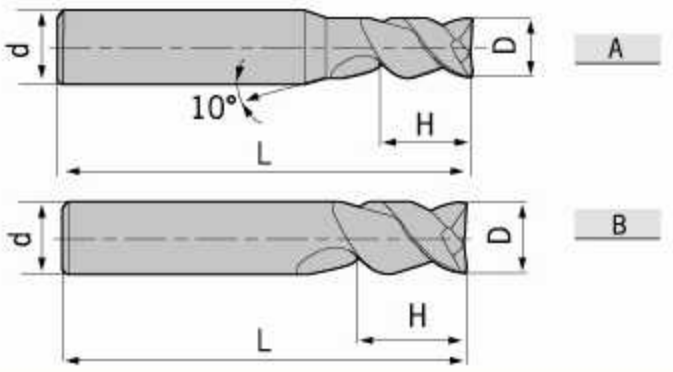
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	◎	◎		○	◎			○	○

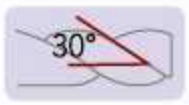
DP-4-G-E / Square / Standard / 4 Flutes

DP-4-G-E四刃直柄平頭立銑刀

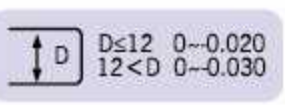








Coated NaNo TiAlN





型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DP-	D1.0S-50-4T-G-E	4	A	1.0	4	3	50
	D1.5S-50-4T-G-E	4	A	1.5	4	4	50
	D2.0S-50-4T-G-E	4	A	2.0	4	6	50
	D2.5S-50-4T-G-E	4	A	2.5	4	8	50
	D3.0S-50-4T-G-E	4	A	3.0	4	8	50
	D4.0S-50-4T-G-E	4	B	4.0	4	11	50
	D1.0-50-4T-G-E	4	A	1.0	6	3	50
	D1.5-50-4T-G-E	4	A	1.5	6	4	50
	D2.0-50-4T-G-E	4	A	2.0	6	6	50
	D2.5-50-4T-G-E	4	A	2.5	6	8	50
	D3.0-50-4T-G-E	4	A	3.0	6	8	50
	D3.5-50-4T-G-E	4	A	3.5	6	10	50
	D4.0-50-4T-G-E	4	A	4.0	6	11	50
	D4.5-50-4T-G-E	4	A	4.5	6	11	50
	D5.0-50-4T-G-E	4	A	5.0	6	13	50
	D5.5-50-4T-G-E	4	A	5.5	6	16	50
	D6.0-50-4T-G-E	4	B	6.0	6	16	50
	D7.0-60-4T-G-E	4	A	7.0	8	20	60
	D8.0-60-4T-G-E	4	B	8.0	8	20	60
	D9.0-75-4T-G-E	4	A	9.0	10	22	75
	D10.0-75-4T-G-E	4	B	10.0	10	25	75
	D11.0-75-4T-G-E	4	A	11.0	12	26	75
	D12.0-75-4T-G-E	4	B	12.0	12	30	75
	D14.0-75-4T-G-E	4	B	14.0	14	32	75
	D16.0-100-4T-G-E	4	B	16.0	16	45	100
	D18.0-100-4T-G-E	4	B	18.0	18	45	100
	D20.0-100-4T-G-E	4	B	20.0	20	45	100

特 點 / Feature

■最適宜側面銑削 。 ■ Special for side milling.
■適用範圍廣泛。 ■ For general purpose.

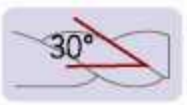
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	◎	◎		○	◎			○	○

DP-4-G-EL / Square / Long / 4 Flutes

DP-4-G-EL四刃直柄長柄平頭立銑刀



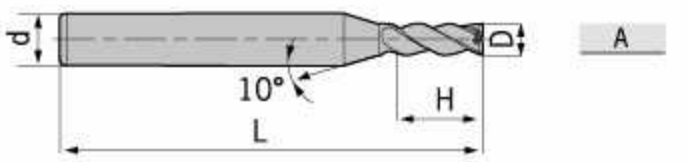


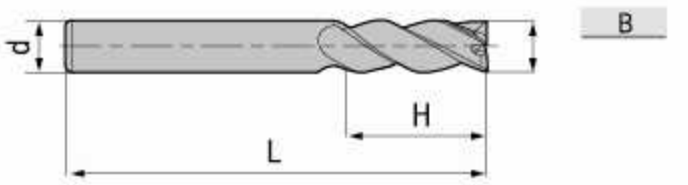












型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DP-	D3.0-75-4T-G-EL	4	A	3.0	6	12	75
	D4.0-75-4T-G-EL	4	A	4.0	6	15	75
	D5.0-75-4T-G-EL	4	A	5.0	6	20	75
	D6.0-75-4T-G-EL	4	B	6.0	6	20	75
	D8.0-100-4T-G-EL	4	B	8.0	8	25	100
	D10.0-100-4T-G-EL	4	B	10.0	10	30	100
	D12.0-100-4T-G-EL	4	B	12.0	12	35	100
	D14.0-100-4T-G-EL	4	B	14.0	14	40	100
	D16.0-150-4T-G-EL	4	B	16.0	16	50	150
	D20.0-150-4T-G-EL	4	B	20.0	20	55	150

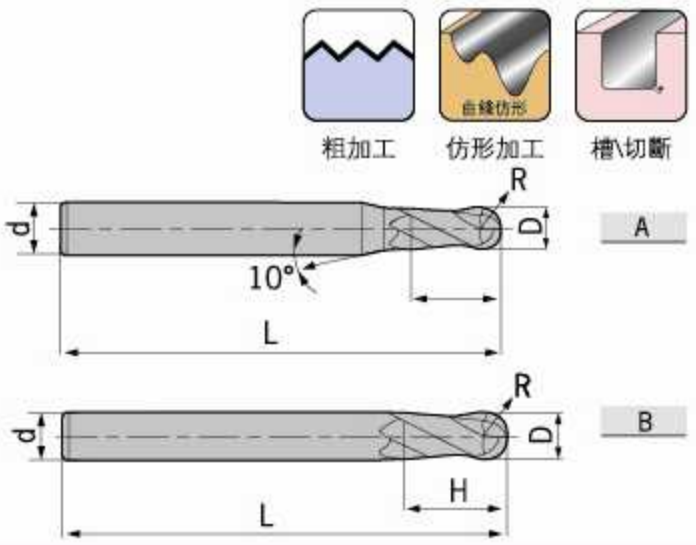
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	◎	◎		○	◎			○	○

DP-2-B / Ball / Standard / 2 Flutes

DP-2-B兩刃直柄球頭立銑刀







型號 Specification	刃數 Flute	圖示 Figure	D	R	d	H	L
DP-R0.5S-50-2T-B	2	A	1.0	0.5	4	2	50
R0.75S-50-2T-B	2	A	1.5	0.75	4	3	50
R1.0S-50-2T-B	2	A	2.0	1.0	4	4	50
R1.25S-50-2T-B	2	A	2.5	1.25	4	5	50
R1.5S-50-2T-B	2	A	3.0	1.5	4	6	50
R2.0S-50-2T-B	2	B	4.0	2.0	4	8	50
R0.5-50-2T-B	2	A	1.0	0.5	6	2	50
R0.75-50-2T-B	2	A	1.5	0.75	6	3	50
R1.0-50-2T-B	2	A	2.0	1.0	6	4	50
R1.25-50-2T-B	2	A	2.5	1.25	6	5	50
R1.5-50-2T-B	2	A	3.0	1.5	6	6	50
R1.75-50-2T-B	2	A	3.5	1.75	6	8	50
R2.0-50-2T-B	2	A	4.0	2.0	6	8	50
R2.5-50-2T-B	2	A	5.0	2.5	6	10	50
R2.75-50-2T-B	2	A	5.5	2.75	6	12	50
R3.0-50-2T-B	2	B	6.0	3.0	6	12	50
R3.5-60-2T-B	2	A	7.0	3.5	8	14	60
R4.0-60-2T-B	2	B	8.0	4.0	8	16	60
R4.5-75-2T-B	2	A	9.0	4.5	10	18	75
R5.0-75-2T-B	2	B	10.0	5.0	10	20	75
R6.0-75-2T-B	2	B	12.0	6.0	12	24	75
R7.0-75-2T-B	2	B	14.0	7.0	14	28	75
R8.0-100-2T-B	2	B	16.0	8.0	16	32	100
R10.0-100-2T-B	2	B	20.0	10.0	20	40	100

特 點 / Feature

■適用于仿型銑削，可作高速加工。 ■ Special for copying at high speed.
■適用範圍廣泛。 ■ For general purpose.

■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stailess steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	◎	◎		○	◎			○	○

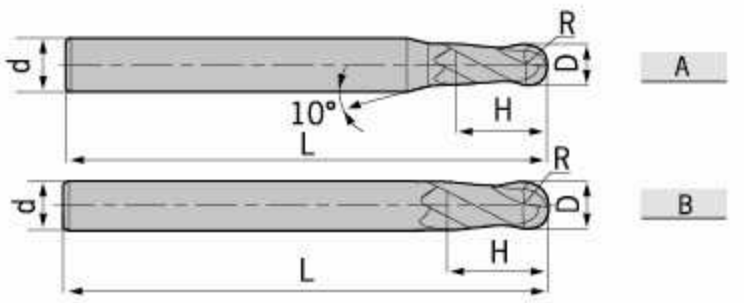
DP-2-BL / Ball / Long / 2 Flutes

DP-2-BL兩刃直柄長柄球頭立銑刀









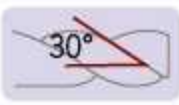
型號 Specification		刃數 Flute	圖示 Figure	D	R	d	H	L
DP-	R1.0-75-2T-BL	2	A	2.0	1.0	6	4	75
	R1.25-75-2T-BL	2	A	2.5	1.25	6	5	75
	R1.5-75-2T-BL	2	A	3.0	1.5	6	6	75
	R1.75-75-2T-BL	2	A	3.5	1.75	6	8	75
	R2.0-75-2T-BL	2	A	4.0	2.0	6	8	75
	R2.5-75-2T-BL	2	A	5.0	2.5	6	10	75
	R2.75-75-2T-BL	2	A	5.5	2.75	6	12	75
	R3.0-75-2T-BL	2	B	6.0	3.0	6	12	75
	R3.5-75-2T-BL	2	A	7.0	3.5	8	14	75
	R4.0-100-2T-BL	2	B	8.0	4.0	8	16	100
	R4.5-100-2T-BL	2	A	9.0	4.5	10	18	100
	R5.0-100-2T-BL	2	B	10.0	5.0	10	20	100
	R6.0-100-2T-BL	2	B	12.0	6.0	12	24	100
	R7.0-100-2T-BL	2	B	14.0	7.0	14	28	100
	R8.0-150-2T-BL	2	B	16.0	8.0	16	32	150
	R10.0-150-2T-BL	2	B	20.0	10.0	20	40	150

■Work Piece Table ◎ Excellent ○ Good

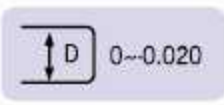
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	◎	◎		○	◎			○	○

DP-2-R兩刃直柄圓弧立銑刀



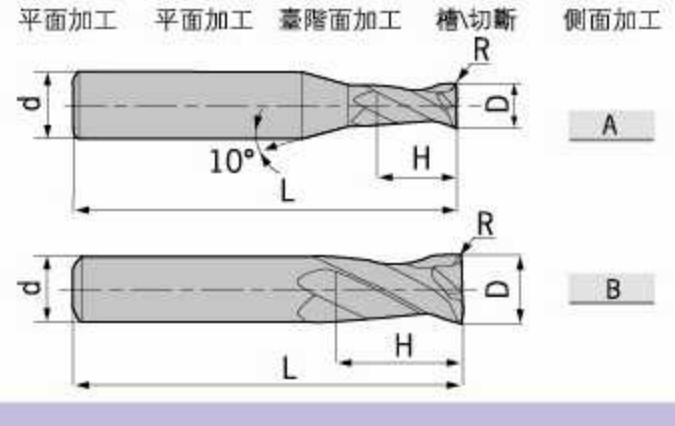


Coated NaNo TiAlN









型號 Specification		刃數 Flute	圖示 Figure	D	R	d	H	L
DP-	D1.0R0.2-50-2T-R	2	A	1.0	0.2	4	3	50
	D1.5R0.2-50-2T-R	2	A	1.5	0.2	4	4	50
	D2.0R0.2-50-2T-R	2	A	2.0	0.2	4	6	50
	D2.0R0.5-50-2T-R	2	A	2.0	0.5	4	6	50
	D2.5R0.2-50-2T-R	2	A	2.5	0.2	4	8	50
	D2.5R0.5-50-2T-R	2	A	2.5	0.5	4	8	50
	D3.0R0.2-50-2T-R	2	A	3.0	0.2	4	8	50
	D3.0R0.3-50-2T-R	2	A	3.0	0.3	4	8	50
	D3.0R0.5-50-2T-R	2	A	3.0	0.5	4	8	50
	D4.0R0.2-50-2T-R	2	B	4.0	0.2	4	11	50
	D4.0R0.3-50-2T-R	2	B	4.0	0.3	4	11	50
	D4.0R0.5-50-2T-R	2	B	4.0	0.5	4	11	50
	D4.0R1.0-50-2T-R	2	B	4.0	1.0	4	11	50
	D5.0R0.3-50-2T-R	2	A	5.0	0.3	6	13	50
	D5.0R0.5-50-2T-R	2	A	5.0	0.5	6	13	50
	D5.0R1.0-50-2T-R	2	A	5.0	1.0	6	13	50
	D6.0R0.3-50-2T-R	2	B	6.0	0.3	6	16	50
	D6.0R0.5-50-2T-R	2	B	6.0	0.5	6	16	50
	D6.0R1.0-50-2T-R	2	B	6.0	1.0	6	16	50
	D8.0R0.3-60-2T-R	2	B	8.0	0.3	8	20	60
	D8.0R0.5-60-2T-R	2	B	8.0	0.5	8	20	60
	D8.0R1.0-60-2T-R	2	B	8.0	1.0	8	20	60
	D10.0R0.5-75-2T-R	2	B	10.0	0.5	10	25	75
	D10.0R1.0-75-2T-R	2	B	10.0	1.0	10	25	75
	D10.0R1.5-75-2T-R	2	B	10.0	1.5	10	25	75
	D10.0R2.0-75-2T-R	2	B	10.0	2.0	10	25	75
	D12.0R0.5-75-2T-R	2	B	12.0	0.5	12	30	75
	D12.0R1.0-75-2T-R	2	B	12.0	1.0	12	30	75
	D12.0R1.5-75-2T-R	2	B	12.0	1.5	12	30	75
	D12.0R2.0-75-2T-R	2	B	12.0	2.0	12	30	75

特點 / Feature

■適用範圍廣泛，可實現多種形態的加工。 ■ Special for copying at high speed.

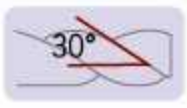
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	◎	◎		○	◎			○	○

DP-4-R /Corner Radius / Standard / 4 Flutes

DP-4-R四刃直柄圓弧立銑刀



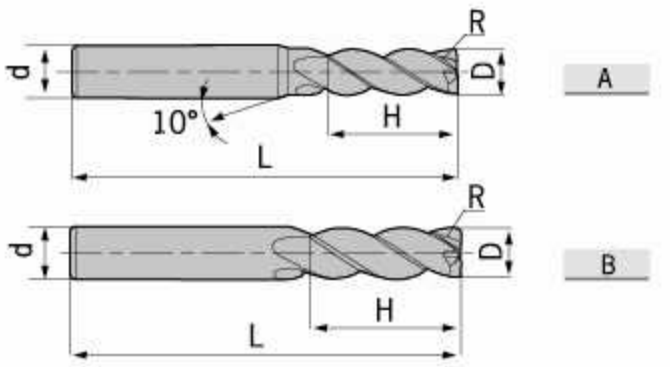












型號 Specification		刃數 Flute	圖示 Figure	D	R	d	H	L
DP-	D3.0R0.2-50-4T-R	4	A	3.0	0.2	6	8	50
	D4.0R0.3-50-4T-R	4	B	4.0	0.3	6	10	50
	D4.0R0.5-50-4T-R	4	B	4.0	0.5	6	10	50
	D5.0R0.5-50-4T-R	4	A	5.0	0.5	6	13	50
	D5.0R1.0-50-4T-R	4	A	5.0	1.0	6	13	50
	D6.0R0.5-50-4T-R	4	B	6.0	0.5	6	16	50
	D6.0R1.0-50-4T-R	4	B	6.0	1.0	6	16	50
	D8.0R0.5-60-4T-R	4	B	8.0	0.5	8	20	60
	D8.0R1.0-60-4T-R	4	B	8.0	1.0	8	20	60
	D10.0R0.5-75-4T-R	4	B	10.0	0.5	10	25	75
	D10.0R1.0-75-4T-R	4	B	10.0	1.0	10	25	75
	D10.0R2.0-75-4T-R	4	B	10.0	2.0	10	25	75
	D10.0R3.0-75-4T-R	4	B	10.0	3.0	10	25	75
	D12.0R0.5-75-4T-R	4	B	12.0	0.5	12	30	75
	D12.0R1.0-75-4T-R	4	B	12.0	1.0	12	30	75
	D12.0R2.0-75-4T-R	4	B	12.0	2.0	12	30	75
	D12.0R3.0-75-4T-R	4	B	12.0	3.0	12	30	75

特 點 / Feature

■適用範圍廣泛，可實現多種形態的加工。

■ For general purpose.

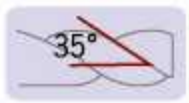
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	◎	◎		○	◎			○	○

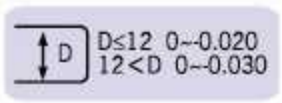
DG-2-E兩刃直柄平頭立銑刀



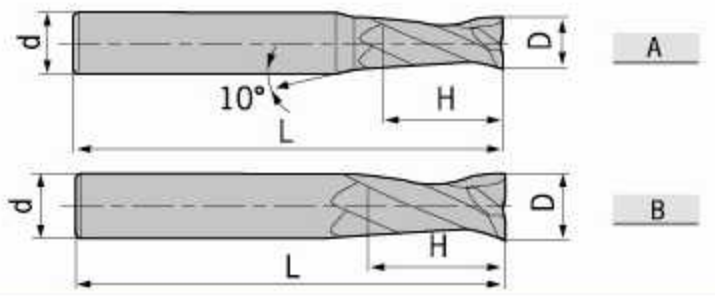












型號 Specification	刃數 Flute	圖示 Figure	D	d	H	L
DG-D1.0S-50-2T-E	2	A	1.0	4	3	50
D1.5S-50-2T-E	2	A	1.5	4	4	50
D2.0S-50-2T-E	2	A	2.0	4	6	50
D2.5S-50-2T-E	2	A	2.5	4	8	50
D3.0S-50-2T-E	2	A	3.0	4	8	50
D4.0S-50-2T-E	2	B	4.0	4	11	50
D1.0-50-2T-E	2	A	1.0	6	3	50
D1.5-50-2T-E	2	A	1.5	6	4	50
D2.0-50-2T-E	2	A	2.0	6	6	50
D2.5-50-2T-E	2	A	2.5	6	8	50
D3.0-50-2T-E	2	A	3.0	6	8	50
D3.5-50-2T-E	2	A	3.5	6	10	50
D4.0-50-2T-E	2	A	4.0	6	11	50
D4.5-50-2T-E	2	A	4.5	6	11	50
D5.0-50-2T-E	2	A	5.0	6	13	50
D5.5-50-2T-E	2	A	5.5	6	16	50
D6.0-50-2T-E	2	B	6.0	6	16	50
D7.0-60-2T-E	2	A	7.0	8	20	60
D8.0-60-2T-E	2	B	8.0	8	20	60
D9.0-75-2T-E	2	A	9.0	10	22	75
D10.0-75-2T-E	2	B	10.0	10	25	75
D11.0-75-2T-E	2	A	11.0	12	26	75
D12.0-75-2T-E	2	B	12.0	12	30	75
D14.0-75-2T-E	2	B	14.0	14	32	75
D16.0-100-2T-E	2	B	16.0	16	45	100
D18.0-100-2T-E	2	B	18.0	18	45	100
D20.0-100-2T-E	2	B	20.0	20	45	100

特 點 / Feature

■最適宜溝槽銑削。 ■ Special for rib-processing.
■適用範圍廣泛。 ■ For general purpose.

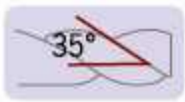
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

DG-2-EL / Square / Long / 2 Flutes

DG-2-EL兩刃直柄長刃平頭立銑刀



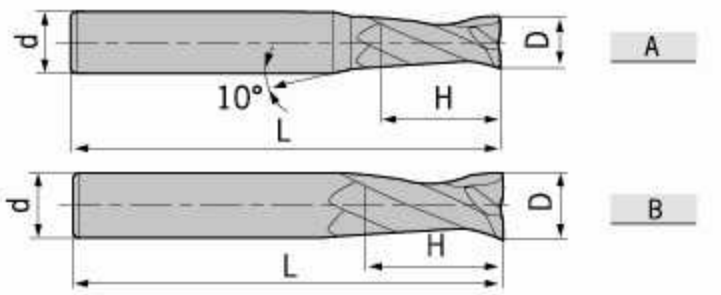


Coated TiAlN









型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DG-	D3.0-75-2T-EL	2	A	3.0	6	12	75
	D4.0-75-2T-EL	2	A	4.0	6	15	75
	D5.0-75-2T-EL	2	A	5.0	6	20	75
	D6.0-75-2T-EL	2	B	6.0	6	20	75
	D8.0-100-2T-EL	2	B	8.0	8	25	100
	D10.0-100-2T-EL	2	B	10.0	10	30	100
	D12.0-100-2T-EL	2	B	12.0	12	35	100
	D14.0-100-2T-EL	2	B	14.0	14	40	100
	D16.0-150-2T-EL	2	B	16.0	16	50	150
	D20.0-150-2T-EL	2	B	20.0	20	55	150

■Work Piece Table ◎ Excellent ○ Good

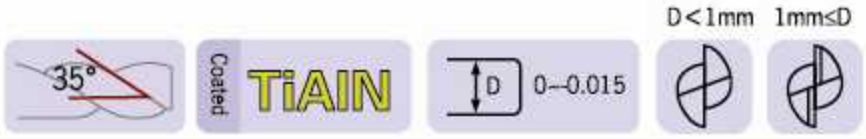
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

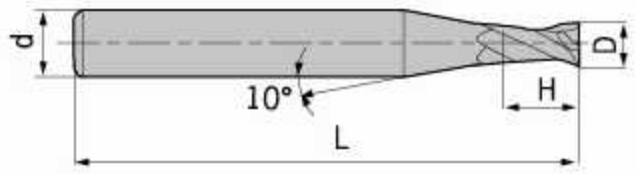
DG-2-ES / Square / Micro / 2 Flutes

DG-2-ES兩刃直柄微小徑平頭立銑刀









型號 Specification	刃數 Flute	D	d	H	L
DG-D0.3-50-2T-ES	2	0.3	4	0.6	50
D0.4-50-2T-ES	2	0.4	4	0.8	50
D0.5-50-2T-ES	2	0.5	4	1.0	50
D0.6-50-2T-ES	2	0.6	4	1.2	50
D0.7-50-2T-ES	2	0.7	4	1.4	50
D0.8-50-2T-ES	2	0.8	4	1.6	50
D0.9-50-2T-ES	2	0.9	4	1.8	50
D1.0-50-2T-ES	2	1.0	4	2.0	50
D1.1-50-2T-ES	2	1.1	4	2.0	50
D1.2-50-2T-ES	2	1.2	4	2.5	50
D1.3-50-2T-ES	2	1.3	4	2.5	50
D1.4-50-2T-ES	2	1.4	4	3.0	50
D1.5-50-2T-ES	2	1.5	4	3.0	50
D1.6-50-2T-ES	2	1.6	4	3.5	50
D1.7-50-2T-ES	2	1.7	4	3.5	50
D1.8-50-2T-ES	2	1.8	4	4.0	50
D1.9-50-2T-ES	2	1.9	4	4.0	50
D2.0-50-2T-ES	2	2.0	4	4.0	50
D2.1-50-2T-ES	2	2.1	4	4.0	50
D2.2-50-2T-ES	2	2.2	4	4.5	50
D2.3-50-2T-ES	2	2.3	4	4.5	50
D2.4-50-2T-ES	2	2.4	4	5.0	50
D2.5-50-2T-ES	2	2.5	4	5.0	50
D2.6-50-2T-ES	2	2.6	4	5.0	50
D2.7-50-2T-ES	2	2.7	4	5.5	50
D2.8-50-2T-ES	2	2.8	4	5.5	50
D2.9-50-2T-ES	2	2.9	4	6.0	50
D3.0-50-2T-ES	2	3.0	4	6.0	50

特點 / Feature

■微小徑銑刀可充分發揮加工中心高速、高精度性能，常用于電子零件等精密零件的加工。
■ High-precision performance at high speed thanks to micro diameter of flutes.

■Work Piece Table ◎ Excellent ○ Good

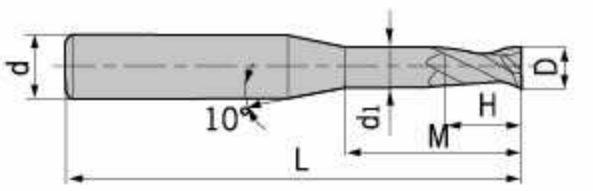
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

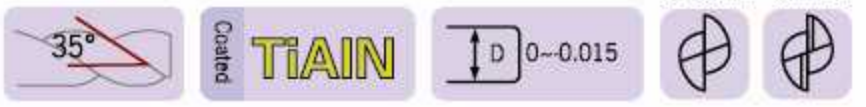
DG-2-EP / Square / Long Neck / Short Flute / 2 Flutes

DG-2-EP兩刃直柄長頸短刃平頭立銑刀









型號 Specification	刃數 Flute	D	d	H	M	d1	L
DG-D0.5-M04-50-2T-EP	2	0.5	4	0.7	4	0.45	50
D0.5-M06-50-2T-EP	2	0.5	4	0.7	6	0.45	50
D0.5-M08-50-2T-EP	2	0.5	4	0.7	8	0.45	50
D0.8-M04-50-2T-EP	2	0.8	4	1.2	4	0.75	50
D0.8-M06-50-2T-EP	2	0.8	4	1.2	6	0.75	50
D0.8-M08-50-2T-EP	2	0.8	4	1.2	8	0.75	50
D0.8-M10-50-2T-EP	2	0.8	4	1.2	10	0.75	50
D1.0-M04-50-2T-EP	2	1.0	4	1.5	4	0.95	50
D1.0-M06-50-2T-EP	2	1.0	4	1.5	6	0.95	50
D1.0-M08-50-2T-EP	2	1.0	4	1.5	8	0.95	50
D1.0-M10-50-2T-EP	2	1.0	4	1.5	10	0.95	50
D1.0-M12-50-2T-EP	2	1.0	4	1.5	12	0.95	50
D1.0-M14-50-2T-EP	2	1.0	4	1.5	14	0.95	50
D1.2-M06-50-2T-EP	2	1.2	4	1.8	6	1.15	50
D1.2-M08-50-2T-EP	2	1.2	4	1.8	8	1.15	50
D1.2-M10-50-2T-EP	2	1.2	4	1.8	10	1.15	50
D1.2-M12-50-2T-EP	2	1.2	4	1.8	12	1.15	50
D1.5-M06-50-2T-EP	2	1.5	4	2.3	6	1.45	50
D1.5-M08-50-2T-EP	2	1.5	4	2.3	8	1.45	50
D1.5-M10-50-2T-EP	2	1.5	4	2.3	10	1.45	50
D1.5-M12-50-2T-EP	2	1.5	4	2.3	12	1.45	50
D1.5-M14-50-2T-EP	2	1.5	4	2.3	14	1.45	50
D2.0-M06-50-2T-EP	2	2.0	4	3.0	6	1.95	50
D2.0-M08-50-2T-EP	2	2.0	4	3.0	8	1.95	50
D2.0-M10-50-2T-EP	2	2.0	4	3.0	10	1.95	50
D2.0-M12-50-2T-EP	2	2.0	4	3.0	12	1.95	50
D2.0-M14-50-2T-EP	2	2.0	4	3.0	14	1.95	50
D2.0-M16-50-2T-EP	2	2.0	4	3.0	16	1.95	50

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See next page

■Work Piece Table ◎ Excellent ○ Good

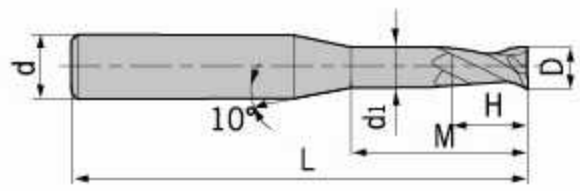
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

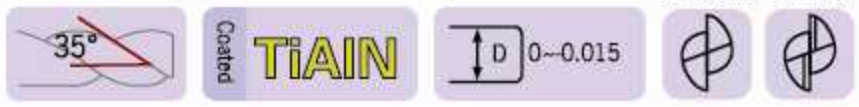
DG-2-EP / Square / Long Neck / Short Flute / 2 Flutes

DG-2-EP兩刃直柄長頸短刃平頭立銑刀









型號 Specification	刃數 Flute	D	d	H	M	d1	L
DG-D2.5-M08-50-2T-EP	2	2.5	4	3.7	8	2.4	50
D2.5-M10-50-2T-EP	2	2.5	4	3.7	10	2.4	50
D2.5-M12-50-2T-EP	2	2.5	4	3.7	12	2.4	50
D2.5-M14-50-2T-EP	2	2.5	4	3.7	14	2.4	50
D2.5-M16-60-2T-EP	2	2.5	4	3.7	16	2.4	60
D2.5-M18-60-2T-EP	2	2.5	4	3.7	18	2.4	60
D2.5-M20-60-2T-EP	2	2.5	4	3.7	20	2.4	60
D3.0-M06-50-2T-EP	2	3.0	6	4.5	6	2.85	50
D3.0-M08-50-2T-EP	2	3.0	6	4.5	8	2.85	50
D3.0-M10-50-2T-EP	2	3.0	6	4.5	10	2.85	50
D3.0-M12-50-2T-EP	2	3.0	6	4.5	12	2.85	50
D3.0-M14-60-2T-EP	2	3.0	6	4.5	14	2.85	60
D3.0-M16-60-2T-EP	2	3.0	6	4.5	16	2.85	60
D3.0-M18-60-2T-EP	2	3.0	6	4.5	18	2.85	60
D3.0-M20-60-2T-EP	2	3.0	6	4.5	20	2.85	60
D4.0-M12-50-2T-EP	2	4.0	6	6.0	12	3.85	50
D4.0-M16-60-2T-EP	2	4.0	6	6.0	16	3.85	60
D4.0-M20-60-2T-EP	2	4.0	6	6.0	20	3.85	60
D4.0-M25-60-2T-EP	2	4.0	6	6.0	25	3.85	60
D5.0-M16-60-2T-EP	2	5.0	6	7.5	16	4.85	60
D5.0-M25-70-2T-EP	2	5.0	6	7.5	25	4.85	70

特 點 / Feature

■適用于細槽加工或會產生幹涉的細微部分的加工。
■ Suitable for rib-processing and very fine operations without interference.

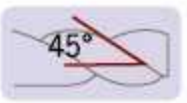
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

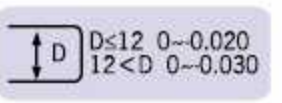
DG-4-E / Square / Standard / 4 Flutes

DG-4-E四刃直柄平頭立銑刀



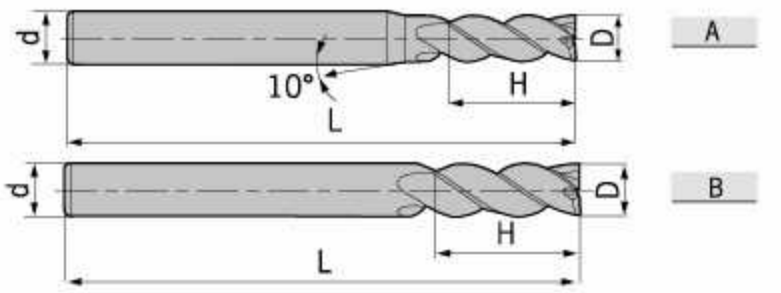


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型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DG-	D1.0S-50-4T-E	4	A	1.0	4	3	50
	D1.5S-50-4T-E	4	A	1.5	4	4	50
	D2.0S-50-4T-E	4	A	2.0	4	6	50
	D2.5S-50-4T-E	4	A	2.5	4	8	50
	D3.0S-50-4T-E	4	A	3.0	4	8	50
	D4.0S-50-4T-E	4	B	4.0	4	11	50
	D1.0-50-4T-E	4	A	1.0	6	3	50
	D1.5-50-4T-E	4	A	1.5	6	4	50
	D2.0-50-4T-E	4	A	2.0	6	6	50
	D2.5-50-4T-E	4	A	2.5	6	8	50
	D3.0-50-4T-E	4	A	3.0	6	8	50
	D3.5-50-4T-E	4	A	3.5	6	10	50
	D4.0-50-4T-E	4	A	4.0	6	11	50
	D4.5-50-4T-E	4	A	4.5	6	11	50
	D5.0-50-4T-E	4	A	5.0	6	13	50
	D5.5-50-4T-E	4	A	5.5	6	16	50
	D6.0-50-4T-E	4	B	6.0	6	16	50
	D7.0-60-4T-E	4	A	7.0	8	20	60
	D8.0-60-4T-E	4	B	8.0	8	20	60
	D9.0-75-4T-E	4	A	9.0	10	22	75
	D10.0-75-4T-E	4	B	10.0	10	25	75
	D11.0-75-4T-E	4	A	11.0	12	26	75
	D12.0-75-4T-E	4	B	12.0	12	30	75
	D14.0-75-4T-E	4	B	14.0	14	32	75
	D16.0-100-4T-E	4	B	16.0	16	45	100
	D18.0-100-4T-E	4	B	18.0	18	45	100
	D20.0-100-4T-E	4	B	20.0	20	45	100

特 點 / Feature

■最適宜側面銑削，淺槽加工。
■適用範圍廣泛。

■ Special for side milling and rib-processing.
■ For general purpose.

■Work Piece Table ◎ Excellent ○ Good

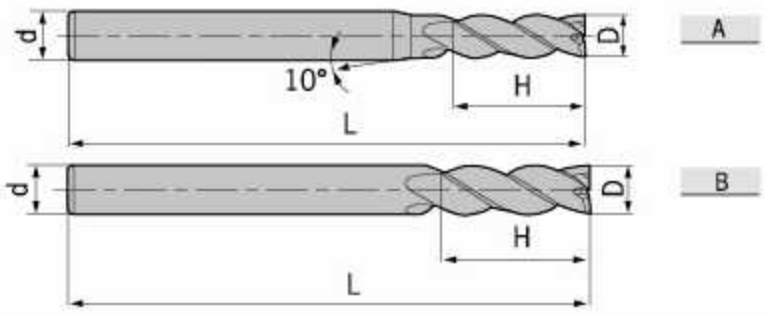
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○	◎		○	◎				

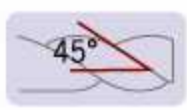
DG-4-EL / Square / Long / 4 Flutes

DG-4-EL四刃直柄長刃平頭立銑刀

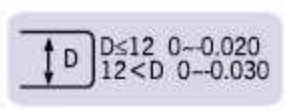














型號 Specification	刃數 Flute	圖示 Figure	D	d	H	L
DG-D3.0-75-4T-EL	4	A	3.0	6	12	75
D4.0-75-4T-EL	4	A	4.0	6	15	75
D5.0-75-4T-EL	4	A	5.0	6	20	75
D6.0-75-4T-EL	4	B	6.0	6	20	75
D8.0-100-4T-EL	4	B	8.0	8	25	100
D10.0-100-4T-EL	4	B	10.0	10	30	100
D12.0-100-4T-EL	4	B	12.0	12	35	100
D14.0-100-4T-EL	4	B	14.0	14	40	100
D16.0-150-4T-EL	4	B	16.0	16	50	150
D20.0-150-4T-EL	4	B	20.0	20	55	150

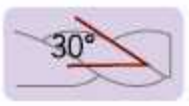
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

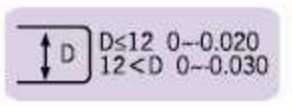
DG-4-G-E / Square / Standard / 4 Flutes

DG-4-G-E四刃直柄平頭立銑刀



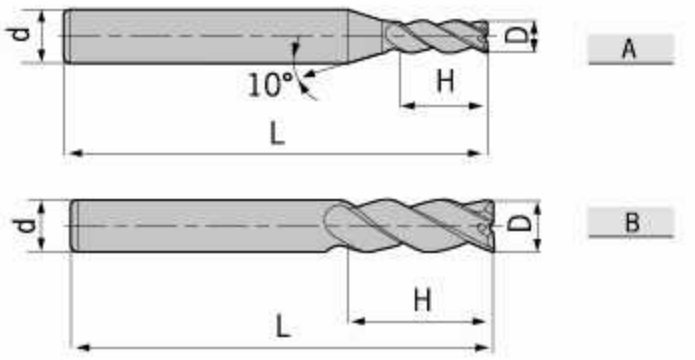


Coated TiAlN









型號 Specification	刃數 Flute	圖示 Figure	D	d	H	L
DG-D1.0S-50-4T-G-E	4	A	1.0	4	3	50
D1.5S-50-4T-G-E	4	A	1.5	4	4	50
D2.0S-50-4T-G-E	4	A	2.0	4	6	50
D2.5S-50-4T-G-E	4	A	2.5	4	8	50
D3.0S-50-4T-G-E	4	A	3.0	4	8	50
D4.0S-50-4T-G-E	4	B	4.0	4	11	50
D1.0-50-4T-G-E	4	A	1.0	6	3	50
D1.5-50-4T-G-E	4	A	1.5	6	4	50
D2.0-50-4T-G-E	4	A	2.0	6	6	50
D2.5-50-4T-G-E	4	A	2.5	6	8	50
D3.0-50-4T-G-E	4	A	3.0	6	8	50
D3.5-50-4T-G-E	4	A	3.5	6	10	50
D4.0-50-4T-G-E	4	A	4.0	6	11	50
D4.5-50-4T-G-E	4	A	4.5	6	11	50
D5.0-50-4T-G-E	4	A	5.0	6	13	50
D5.5-50-4T-G-E	4	A	5.5	6	16	50
D6.0-50-4T-G-E	4	B	6.0	6	16	50
D7.0-60-4T-G-E	4	A	7.0	8	20	60
D8.0-60-4T-G-E	4	B	8.0	8	20	60
D9.0-75-4T-G-E	4	A	9.0	10	22	75
D10.0-75-4T-G-E	4	B	10.0	10	25	75
D11.0-75-4T-G-E	4	A	11.0	12	26	75
D12.0-75-4T-G-E	4	B	12.0	12	30	75
D14.0-75-4T-G-E	4	B	14.0	14	32	75
D16.0-100-4T-G-E	4	B	16.0	16	45	100
D18.0-100-4T-G-E	4	B	18.0	18	45	100
D20.0-100-4T-G-E	4	B	20.0	20	45	100

特 點 / Feature

■最適宜側面銑削。 ■ Special for side milling.
■使用範圍廣泛。 ■ For general purpose.

■Work Piece Table ◎ Excellent ○ Good

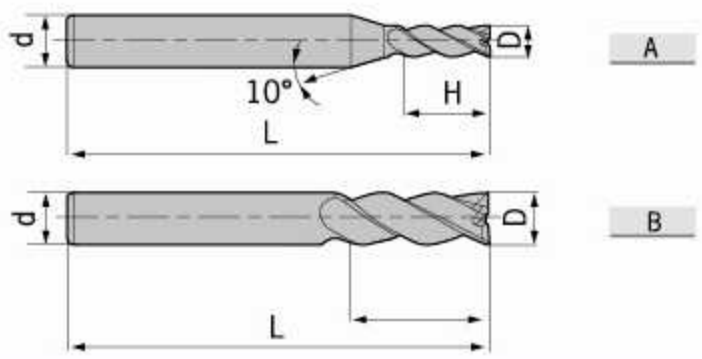
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

DG-4-G-EL / Square / Long / 4 Flutes

DG-4-G-EL四刃直柄長刃平頭立銑刀









型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DG-	D3.0-75-4T-G-EL	4	A	3.0	6	12	75
	D4.0-75-4T-G-EL	4	A	4.0	6	15	75
	D5.0-75-4T-G-EL	4	A	5.0	6	20	75
	D6.0-75-4T-G-EL	4	B	6.0	6	20	75
	D8.0-100-4T-G-EL	4	B	8.0	8	25	100
	D10.0-100-4T-G-EL	4	B	10.0	10	30	100
	D12.0-100-4T-G-EL	4	B	12.0	12	35	100
	D14.0-100-4T-G-EL	4	B	14.0	14	40	100
	D16.0-150-4T-G-EL	4	B	16.0	16	50	150
	D20.0-150-4T-G-EL	4	B	20.0	20	55	150

■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

DG-6-E / Square / Standard / 6 Flutes

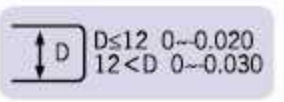
DG-6-E六刃直柄平頭立銑刀



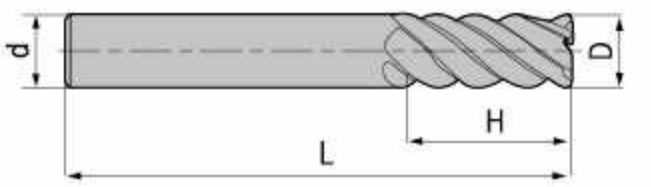












型號 Specification		刃數 Flute	D	d	H	L
DG-	D6.0-60-6T-E	6	6.0	6	18	60
	D8.0-60-6T-E	6	8.0	8	20	60
	D10.0-75-6T-E	6	10.0	10	30	75
	D12.0-75-6T-E	6	12.0	12	32	75
	D16.0-100-6T-E	6	16.0	16	40	100
	D20.0-100-6T-E	6	20.0	20	45	100

特 點 / Feature

■刀具剛性好，最適宜側面精銑加工。 ■ High rigidity for fine side-milling.
■可進行高速，大進給加工。 ■ High feed at high speed.

■Work Piece Table ◎ Excellent ○ Good

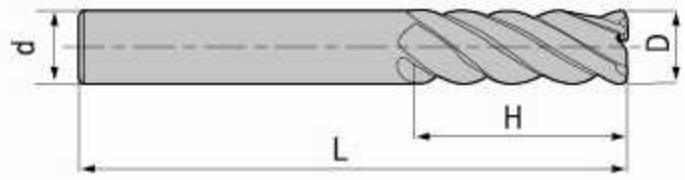
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

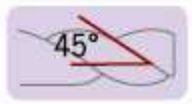
DG-6-EL / Square / Long / 6 Flutes

DG-6-EL六刃直柄長刃平頭立銑刀









Coated TiAlN





型號 Specification	刃數 Flute	D	d	H	L
DG-D6.0-75-6T-EL	6	6.0	6	24	75
D8.0-75-6T-EL	6	8.0	8	32	75
D10.0-100-6T-EL	6	10.0	10	40	100
D12.0-100-6T-EL	6	12.0	12	45	100
D16.0-150-6T-EL	6	16.0	16	64	150
D20.0-150-6T-EL	6	20.0	20	75	150

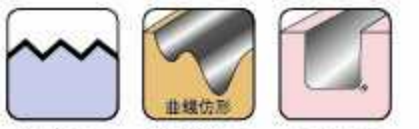
■Work Piece Table ◎ Excellent ○ Good

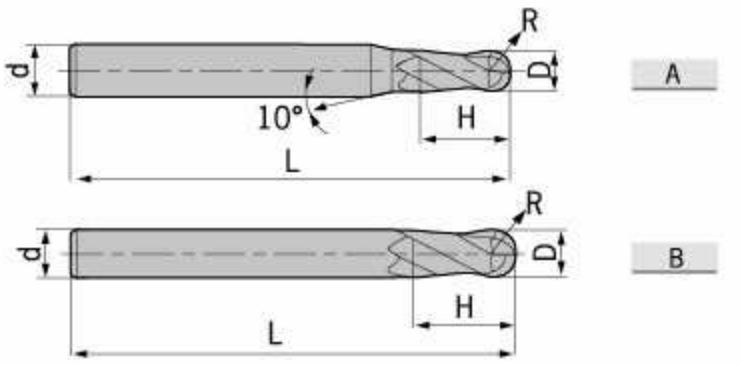
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

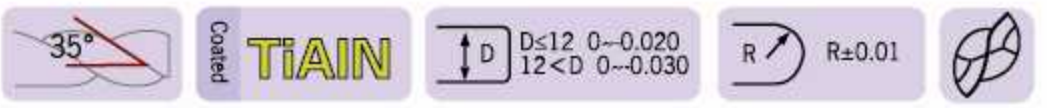
DG-2-B / Ball / Standard / 2 Flutes

DG-2-B兩刃直柄球頭立銑刀









型號 Specification		刃數 Flute	圖示 Figure	D	R	d	H	L
DG-	R0.5S-50-2T-B	2	A	1.0	0.5	4	2	50
	R0.75S-50-2T-B	2	A	1.5	0.75	4	3	50
	R1.0S-50-2T-B	2	A	2.0	1.0	4	4	50
	R1.25S-50-2T-B	2	A	2.5	1.25	4	5	50
	R1.5S-50-2T-B	2	A	3.0	1.5	4	6	50
	R2.0S-50-2T-B	2	B	4.0	2.0	4	8	50
	R0.5-50-2T-B	2	A	1.0	0.5	6	2	50
	R0.75-50-2T-B	2	A	1.5	0.75	6	3	50
	R1.0-50-2T-B	2	A	2.0	1.0	6	4	50
	R1.25-50-2T-B	2	A	2.5	1.25	6	5	50
	R1.5-50-2T-B	2	A	3.0	1.5	6	6	50
	R1.75-50-2T-B	2	A	3.5	1.75	6	8	50
	R2.0-50-2T-B	2	A	4.0	2.0	6	8	50
	R2.5-50-2T-B	2	A	5.0	2.5	6	10	50
	R2.75-50-2T-B	2	A	5.5	2.75	6	12	50
	R3.0-50-2T-B	2	B	6.0	3.0	6	12	50
	R3.5-60-2T-B	2	A	7.0	3.5	8	14	60
	R4.0-60-2T-B	2	B	8.0	4.0	8	16	60
	R4.5-75-2T-B	2	A	9.0	4.5	10	18	75
	R5.0-75-2T-B	2	B	10.0	5.0	10	20	75
	R6.0-75-2T-B	2	B	12.0	6.0	12	24	75
	R7.0-75-2T-B	2	B	14.0	7.0	14	28	75
	R8.0-100-2T-B	2	B	16.0	8.0	16	32	100
	R10.0-100-2T-B	2	B	20.0	10.0	20	40	100

特 點 / Feature

■適合于仿形銑削，可作高速加工。 ■ For profiling at high speed.
■適用範圍廣泛。 ■ For general purpose.

■Work Piece Table ◎ Excellent ○ Good

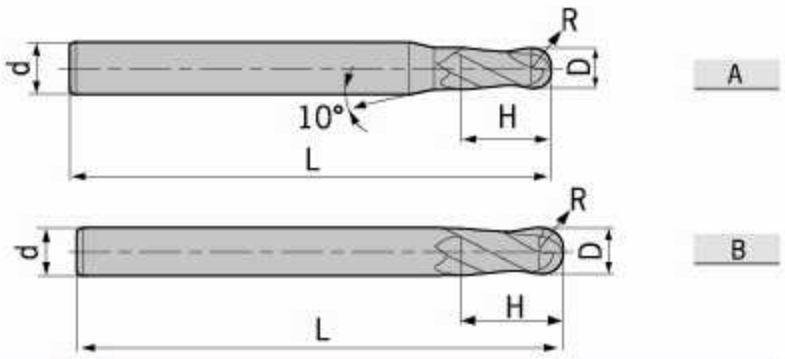
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

DG-2-BL / Ball / Long / 2 Flutes

DG-2-BL兩刃直柄長柄球頭立銑刀







35° | Coated TiAlN | D: D≤12 0~-0.020, 12<D 0~-0.030 | R: R±0.01

型號 Specification	刃數 Flute	圖示 Figure	D	R	d	H	L
DG-R1.0-75-2T-BL	2	A	2.0	1.0	6	4	75
R1.25-75-2T-BL	2	A	2.5	1.25	6	5	75
R1.5-75-2T-BL	2	A	3.0	1.5	6	6	75
R1.75-75-2T-BL	2	A	3.5	1.75	6	8	75
R2.0-75-2T-BL	2	A	4.0	2.0	6	8	75
R2.5-75-2T-BL	2	A	5.0	2.5	6	10	75
R2.75-75-2T-BL	2	A	5.5	2.75	6	12	75
R3.0-75-2T-BL	2	B	6.0	3.0	6	12	75
R3.5-75-2T-BL	2	A	7.0	3.5	8	14	75
R4.0-100-2T-BL	2	B	8.0	4.0	8	16	100
R4.5-100-2T-BL	2	A	9.0	4.5	10	18	100
R5.0-100-2T-BL	2	B	10.0	5.0	10	20	100
R6.0-100-2T-BL	2	B	12.0	6.0	12	24	100
R7.0-100-2T-BL	2	B	14.0	7.0	14	28	100
R8.0-150-2T-BL	2	B	16.0	8.0	16	32	150
R10.0-150-2T-BL	2	B	20.0	10.0	20	40	150

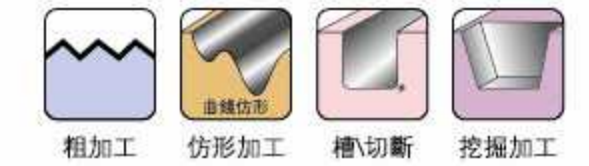
■Work Piece Table ◎ Excellent ○ Good

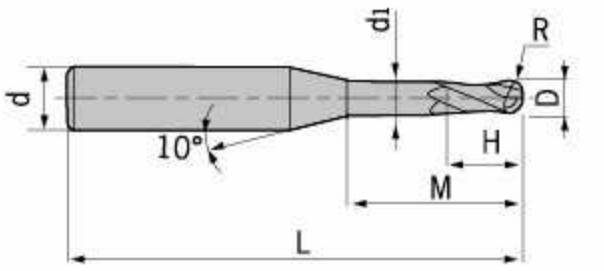
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

DG-2-BP / Ball / Long Neck / Short Flute / 2 Flutes

DG-2-BP兩刃直柄長頸短刃球頭立銑刀







35° | Coated TiAlN | D 0 ~-0.015 | R R±0.005 R<0.5 R±0.01 R≥0.5

型號 Specification	刃數 Flute	D	R	H	d1	M	d	L
DG-R0.25-M04-50-2T-BP	2	0.5	0.25	0.7	0.45	4	4	50
R0.25-M06-50-2T-BP	2	0.5	0.25	0.7	0.45	6	4	50
R0.3-M04-50-2T-BP	2	0.6	0.3	0.9	0.55	4	4	50
R0.3-M06-50-2T-BP	2	0.6	0.3	0.9	0.55	6	4	50
R0.3-M08-50-2T-BP	2	0.6	0.3	0.9	0.55	8	4	50
R0.4-M04-50-2T-BP	2	0.8	0.4	1.2	0.75	4	4	50
R0.4-M06-50-2T-BP	2	0.8	0.4	1.2	0.75	6	4	50
R0.4-M08-50-2T-BP	2	0.8	0.4	1.2	0.75	8	4	50
R0.4-M10-50-2T-BP	2	0.8	0.4	1.2	0.75	10	4	50
R0.5-M04-50-2T-BP	2	1.0	0.5	1.5	0.95	4	4	50
R0.5-M06-50-2T-BP	2	1.0	0.5	1.5	0.95	6	4	50
R0.5-M08-50-2T-BP	2	1.0	0.5	1.5	0.95	8	4	50
R0.5-M10-50-2T-BP	2	1.0	0.5	1.5	0.95	10	4	50
R0.5-M12-50-2T-BP	2	1.0	0.5	1.5	0.95	12	4	50
R0.6-M06-50-2T-BP	2	1.2	0.6	1.8	1.15	6	4	50
R0.6-M08-50-2T-BP	2	1.2	0.6	1.8	1.15	8	4	50
R0.6-M12-50-2T-BP	2	1.2	0.6	1.8	1.15	12	4	50
R0.6-M16-50-2T-BP	2	1.2	0.6	1.8	1.15	16	4	50
R0.75-M08-50-2T-BP	2	1.5	0.75	2.3	1.45	8	4	50
R0.75-M12-50-2T-BP	2	1.5	0.75	2.3	1.45	12	4	50
R0.75-M16-50-2T-BP	2	1.5	0.75	2.3	1.45	16	4	50
R1.0-M06-50-2T-BP	2	2.0	1.0	3.0	1.95	6	4	50
R1.0-M08-50-2T-BP	2	2.0	1.0	3.0	1.95	8	4	50
R1.0-M10-50-2T-BP	2	2.0	1.0	3.0	1.95	10	4	50
R1.0-M12-50-2T-BP	2	2.0	1.0	3.0	1.95	12	4	50
R1.0-M16-50-2T-BP	2	2.0	1.0	3.0	1.95	16	4	50
R1.0-M20-50-2T-BP	2	2.0	1.0	3.0	1.95	20	4	50
R1.25-M08-50-2T-BP	2	2.5	1.25	3.7	2.4	8	4	50
R1.25-M12-50-2T-BP	2	2.5	1.25	3.7	2.4	12	4	50

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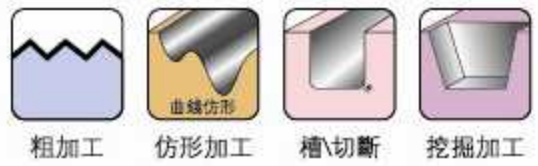
■Work Piece Table ◎ Excellent ○ Good

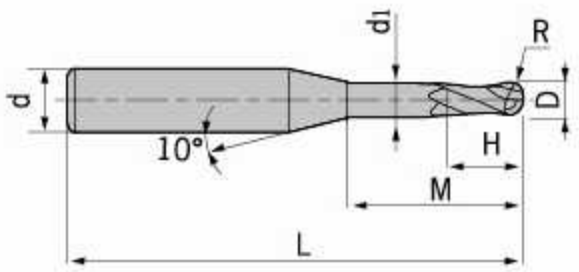
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

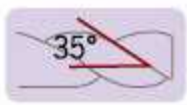
DG-2-BP / Ball / Long Neck / Short Flute / 2 Flutes

DG-2-BP兩刃直柄長頸短刃球頭立銑刀









Coated TiAlN

D 0 ~-0.015

R R±0.005 R<0.5 R±0.01 R≥0.5

型號 Specification	刃数 Flute	D	R	H	d_1	M	d	L
DG-R1.25-M16-60-2T-BP	2	2.5	1.25	3.7	2.4	16	4	60
R1.25-M20-60-2T-BP	2	2.5	1.25	3.7	2.4	20	4	60
R1.5-M08-50-2T-BP	2	3.0	1.5	4.5	2.85	8	6	50
R1.5-M10-50-2T-BP	2	3.0	1.5	4.5	2.85	10	6	50
R1.5-M12-50-2T-BP	2	3.0	1.5	4.5	2.85	12	6	50
R1.5-M16-60-2T-BP	2	3.0	1.5	4.5	2.85	16	6	60
R1.5-M20-60-2T-BP	2	3.0	1.5	4.5	2.85	20	6	60
R2.0-M10-60-2T-BP	2	4.0	2.0	6.0	3.85	10	6	60
R2.0-M16-60-2T-BP	2	4.0	2.0	6.0	3.85	16	6	60
R2.0-M20-60-2T-BP	2	4.0	2.0	6.0	3.85	20	6	60
R2.0-M25-60-2T-BP	2	4.0	2.0	6.0	3.85	25	6	60
R2.5-M16-60-2T-BP	2	5.0	2.5	7.5	4.85	16	6	60
R2.5-M25-70-2T-BP	2	5.0	2.5	7.5	4.85	25	6	70

特 點 / Feature

■適用于細槽加工以及自由曲面加工。■ Suitable for rib-processing and profiling.

■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

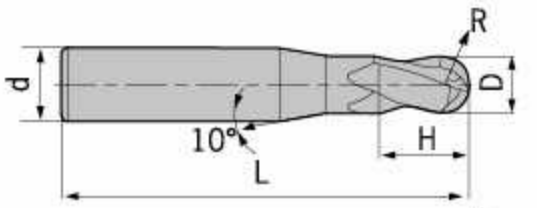
DG-4-B / Ball / Standard / 4 Flutes

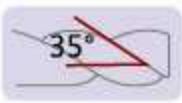
DG-4-B四刃直柄球頭立銑刀



粗加工　仿形加工　槽\切斷







Coated TiAlN

D　D≤12 0~-0.020　12<D 0~-0.030

R　R±0.01

型號 Specification	刃數 Flute	圖示 Figure	D	R	d	H	L
DG-R1.5-50-4T-B	4	A	3.0	1.5	6	6	50
R2.0-50-4T-B	4	A	4.0	2.0	6	8	50
R2.5-50-4T-B	4	A	5.0	2.5	6	10	50
R3.0-50-4T-B	4	B	6.0	3.0	6	12	50
R4.0-60-4T-B	4	B	8.0	4.0	8	16	60
R5.0-75-4T-B	4	B	10.0	5.0	10	20	75
R6.0-75-4T-B	4	B	12.0	6.0	12	24	75
R7.0-75-4T-B	4	B	14.0	7.0	14	28	75
R8.0-100-4T-B	4	B	16.0	8.0	16	32	100
R9.0-100-4T-B	4	B	18.0	9.0	18	36	100
R10.0-100-4T-B	4	B	20.0	10.0	20	40	100

特 點 / Feature

■四刃球頭銑刀可實現較高的進給速度，實現較高的切削加工效率。
■ High feed speed, High efficiency.

■Work Piece Table ◎ Excellent ○ Good

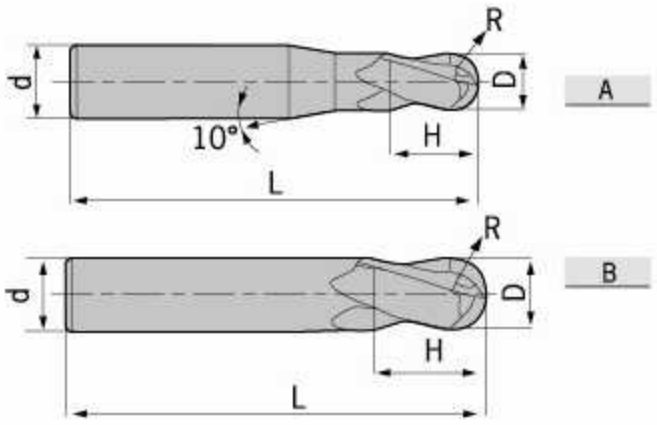
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

DG-4-BL / Ball / Long / 4 Flutes

DG-4-BL四刃直柄長柄球頭立銑刀







35° | Coated TiAlN | D: D≤12 0~0.020, 12<D 0~0.030 | R±0.01

型號 Specification	刃數 Flute	圖示 Figure	D	R	d	H	L
DG-R1.5-75-4T-BL	4	A	3.0	1.5	6	6	75
R2.0-75-4T-BL	4	A	4.0	2.0	6	8	75
R2.5-75-4T-BL	4	A	5.0	2.5	6	10	75
R3.0-75-4T-BL	4	B	6.0	3.0	6	12	75
R4.0-100-4T-BL	4	B	8.0	4.0	8	16	100
R5.0-100-4T-BL	4	B	10.0	5.0	10	20	100
R6.0-100-4T-BL	4	B	12.0	6.0	12	24	100
R7.0-100-4T-BL	4	B	14.0	7.0	14	28	100
R8.0-150-4T-BL	4	B	16.0	8.0	16	32	150
R9.0-150-4T-BL	4	B	18.0	9.0	18	36	150
R10.0-150-4T-BL	4	B	20.0	10.0	20	40	150

■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

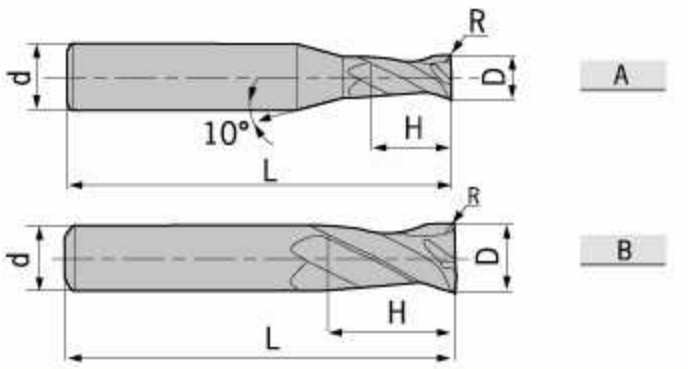
DG-2-R / Corner Radius / Standard / 2 Flutes

DG-2-R兩刃直柄圓弧立銑刀









型號 Specification		刃數 Flute	圖示 Figure	D	R	d	H	L
DG-	D1.0R0.2-50-2T-R	2	A	1.0	0.2	4	3	50
	D1.5R0.2-50-2T-R	2	A	1.5	0.2	4	4	50
	D2.0R0.2-50-2T-R	2	A	2.0	0.2	4	6	50
	D2.0R0.5-50-2T-R	2	A	2.0	0.5	4	6	50
	D2.5R0.2-50-2T-R	2	A	2.5	0.2	4	8	50
	D2.5R0.5-50-2T-R	2	A	2.5	0.5	4	8	50
	D3.0R0.2-50-2T-R	2	A	3.0	0.2	4	8	50
	D3.0R0.3-50-2T-R	2	A	3.0	0.3	4	8	50
	D3.0R0.5-50-2T-R	2	A	3.0	0.5	4	8	50
	D4.0R0.2-50-2T-R	2	B	4.0	0.2	4	11	50
	D4.0R0.3-50-2T-R	2	B	4.0	0.3	4	11	50
	D4.0R0.5-50-2T-R	2	B	4.0	0.5	4	11	50
	D4.0R1.0-50-2T-R	2	B	4.0	1.0	4	11	50
	D5.0R0.3-50-2T-R	2	A	5.0	0.3	6	13	50
	D5.0R0.5-50-2T-R	2	A	5.0	0.5	6	13	50
	D5.0R1.0-50-2T-R	2	A	5.0	1.0	6	13	50
	D6.0R0.3-50-2T-R	2	B	6.0	0.3	6	16	50
	D6.0R0.5-50-2T-R	2	B	6.0	0.5	6	16	50
	D6.0R1.0-50-2T-R	2	B	6.0	1.0	6	16	50
	D8.0R0.3-60-2T-R	2	B	8.0	0.3	8	20	60
	D8.0R0.5-60-2T-R	2	B	8.0	0.5	8	20	60
	D8.0R1.0-60-2T-R	2	B	8.0	1.0	8	20	60
	D10.0R0.5-75-2T-R	2	B	10.0	0.5	10	25	75
	D10.0R1.0-75-2T-R	2	B	10.0	1.0	10	25	75
	D10.0R1.5-75-2T-R	2	B	10.0	1.5	10	25	75
	D10.0R2.0-75-2T-R	2	B	10.0	2.0	10	25	75
	D12.0R0.5-75-2T-R	2	B	12.0	0.5	12	30	75
	D12.0R1.0-75-2T-R	2	B	12.0	1.0	12	30	75
	D12.0R1.5-75-2T-R	2	B	12.0	1.5	12	30	75
	D12.0R2.0-75-2T-R	2	B	12.0	2.0	12	30	75

特 點 / Feature

■ 適用範圍廣泛，可實現多種形態的加工。■ For general purpose.

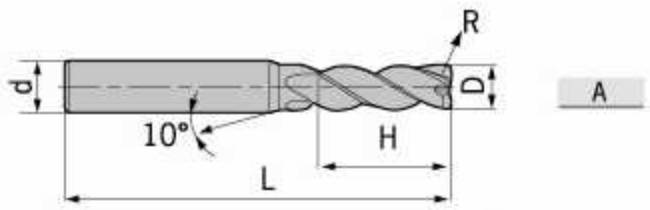
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

DG-4-R四刃直柄圓弧立銑刀









型號 Specification		刃數 Flute	圖示 Figure	D	R	d	H	L
DG-	D3.0R0.2-50-4T-R	4	A	3.0	0.2	4	8	50
	D4.0R0.3-50-4T-R	4	B	4.0	0.3	4	10	50
	D4.0R0.5-50-4T-R	4	B	4.0	0.5	4	10	50
	D5.0R0.5-50-4T-R	4	A	5.0	0.5	6	13	50
	D5.0R1.0-50-4T-R	4	A	5.0	1.0	6	13	50
	D6.0R0.5-50-4T-R	4	B	6.0	0.5	6	16	50
	D6.0R1.0-50-4T-R	4	B	6.0	1.0	6	16	50
	D8.0R0.5-60-4T-R	4	B	8.0	0.5	8	20	60
	D8.0R1.0-60-4T-R	4	B	8.0	1.0	8	20	60
	D10.0R0.5-75-4T-R	4	B	10.0	0.5	10	25	75
	D10.0R1.0-75-4T-R	4	B	10.0	1.0	10	25	75
	D10.0R2.0-75-4T-R	4	B	10.0	2.0	10	25	75
	D10.0R3.0-75-4T-R	4	B	10.0	3.0	10	25	75
	D12.0R0.5-75-4T-R	4	B	12.0	0.5	12	30	75
	D12.0R1.0-75-4T-R	4	B	12.0	1.0	12	30	75
	D12.0R2.0-75-4T-R	4	B	12.0	2.0	12	30	75
	D12.0R3.0-75-4T-R	4	B	12.0	3.0	12	30	75

特 點 / Feature

■適用範圍廣泛，可實現多種形態的加工。■ For general purpose.

■Work Piece Table ◎ Excellent ○ Good

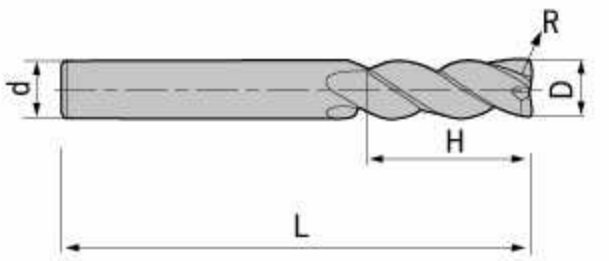
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

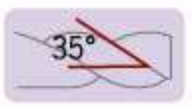
DG-4-RL / Corner Radius / Long / 4 Flutes

DG-4-RL四刃直柄長柄圓弧立銑刀

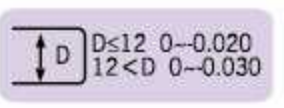














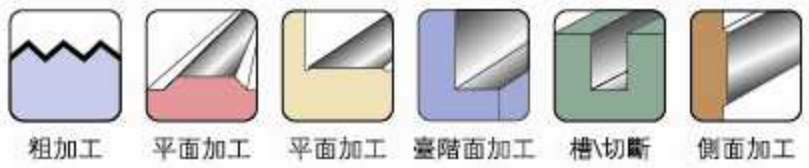
型號 Specification	刃數 Flute	D	R	d	H	L
DG-D6.0R0.5-75-4T-RL	4	6.0	0.5	6	16	75
D6.0R1.0-75-4T-RL	4	6.0	1.0	6	16	75
D8.0R0.5-100-4T-RL	4	8.0	0.5	8	20	100
D8.0R1.0-100-4T-RL	4	8.0	1.0	8	20	100
D10.0R0.5-100-4T-RL	4	10.0	0.5	10	25	100
D10.0R1.0-100-4T-RL	4	10.0	1.0	10	25	100
D10.0R2.0-100-4T-RL	4	10.0	2.0	10	25	100
D12.0R0.5-100-4T-RL	4	12.0	0.5	12	30	100
D12.0R1.0-100-4T-RL	4	12.0	1.0	12	30	100
D12.0R2.0-100-4T-RL	4	12.0	2.0	12	30	100
D16.0R1.0-150-4T-RL	4	16.0	1.0	16	45	150
D16.0R2.0-150-4T-RL	4	16.0	2.0	16	45	150

■Work Piece Table ◎ Excellent ○ Good

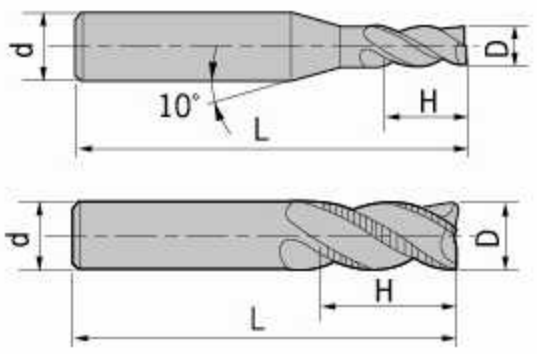
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

DG-4-W / Square / Standard / 4 Flutes / Waving

DG-4-W四刃直柄平頭波形刃立銑刀







30°

Coated TiAlN

D
D=6 0~0.048　10<D≤18 0~0.07
6<D≤10 0~0.058　18<D 0~0.084

型號 Specification	刃數 Flute	D	d	H	L	Z
DG-D6.0-50-4T-W	4	6.0	6	16	50	4
D7.0-60-4T-W	4	7.0	8	20	60	4
D8.0-60-4T-W	4	8.0	8	20	60	4
D9.0-75-4T-W	4	9.0	10	22	75	4
D10.0-75-4T-W	4	10.0	10	25	75	4
D11.0-75-4T-W	4	11.0	12	26	75	4
D12.0-75-4T-W	4	12.0	12	30	75	4
D16.0-100-4T-W	4	16.0	16	45	100	4
D20.0-100-4T-W	4	20.0	20	45	100	4

特 點 / Feature

■最適宜高效粗加工。

■ For roughing with high efficiency.

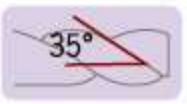
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
◎	◎	◎	○			○	◎				

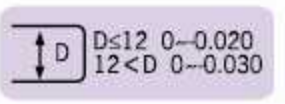
DH-2-E / Square / Standard / 2 Flutes

DH-2-E兩刃直柄平頭立銑刀



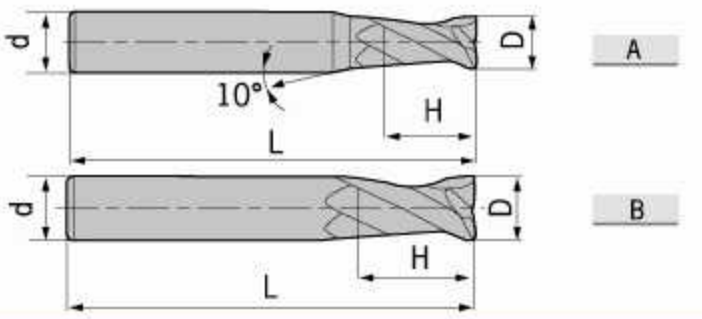


Coated AlTiN









型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DH-	D1.0S-50-2T-E	2	A	1.0	4	3	50
	D1.5S-50-2T-E	2	A	1.5	4	4	50
	D2.0S-50-2T-E	2	A	2.0	4	6	50
	D2.5S-50-2T-E	2	A	2.5	4	8	50
	D3.0S-50-2T-E	2	A	3.0	4	8	50
	D4.0S-50-2T-E	2	B	4.0	4	11	50
	D1.0-50-2T-E	2	A	1.0	6	3	50
	D1.5-50-2T-E	2	A	1.5	6	4	50
	D2.0-50-2T-E	2	A	2.0	6	6	50
	D2.5-50-2T-E	2	A	2.5	6	8	50
	D3.0-50-2T-E	2	A	3.0	6	8	50
	D3.5-50-2T-E	2	A	3.5	6	10	50
	D4.0-50-2T-E	2	A	4.0	6	11	50
	D4.5-50-2T-E	2	A	4.5	6	11	50
	D5.0-50-2T-E	2	A	5.0	6	13	50
	D5.5-50-2T-E	2	A	5.5	6	16	50
	D6.0-50-2T-E	2	B	6.0	6	16	50
	D7.0-60-2T-E	2	A	7.0	8	20	60
	D8.0-60-2T-E	2	B	8.0	8	20	60
	D9.0-75-2T-E	2	A	9.0	10	22	75
	D10.0-75-2T-E	2	B	10.0	10	25	75
	D11.0-75-2T-E	2	A	11.0	12	26	75
	D12.0-75-2T-E	2	B	12.0	12	30	75
	D14.0-100-2T-E	2	B	14.0	14	32	100
	D16.0-100-2T-E	2	B	16.0	16	45	100
	D18.0-100-2T-E	2	B	18.0	18	45	100
	D20.0-100-2T-E	2	B	20.0	20	45	100

特 點 / Feature

■適用于溝槽銑削。
■最適于高速切削、幹式切削。

■ Suitable for grooving.
■ High speed, Dry-cutting.

■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

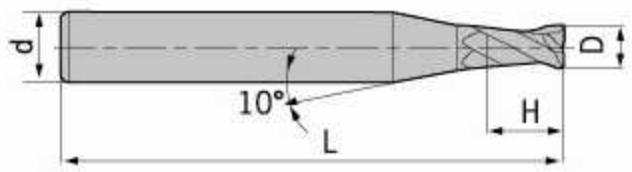
DH-2-ES / Square / Micro / 2 Flutes

DH-2-ES兩刃直柄微小徑平頭立銑刀









型號 Specification	刃數 Flute	D	d	H	L
DH-D0.3-50-2T-ES	2	0.3	4	0.6	50
D0.4-50-2T-ES	2	0.4	4	0.8	50
D0.5-50-2T-ES	2	0.5	4	1.0	50
D0.6-50-2T-ES	2	0.6	4	1.2	50
D0.7-50-2T-ES	2	0.7	4	1.4	50
D0.8-50-2T-ES	2	0.8	4	1.6	50
D0.9-50-2T-ES	2	0.9	4	1.8	50
D1.0-50-2T-ES	2	1.0	4	2.0	50
D1.1-50-2T-ES	2	1.1	4	2.0	50
D1.2-50-2T-ES	2	1.2	4	2.5	50
D1.3-50-2T-ES	2	1.3	4	2.5	50
D1.4-50-2T-ES	2	1.4	4	3.0	50
D1.5-50-2T-ES	2	1.5	4	3.0	50
D1.6-50-2T-ES	2	1.6	4	3.5	50
D1.7-50-2T-ES	2	1.7	4	3.5	50
D1.8-50-2T-ES	2	1.8	4	4.0	50
D1.9-50-2T-ES	2	1.9	4	4.0	50
D2.0-50-2T-ES	2	2.0	4	4.0	50
D2.1-50-2T-ES	2	2.1	4	4.0	50
D2.2-50-2T-ES	2	2.2	4	4.5	50
D2.3-50-2T-ES	2	2.3	4	4.5	50
D2.4-50-2T-ES	2	2.4	4	5.0	50
D2.5-50-2T-ES	2	2.5	4	5.0	50
D2.6-50-2T-ES	2	2.6	4	5.0	50
D2.7-50-2T-ES	2	2.7	4	5.5	50
D2.8-50-2T-ES	2	2.8	4	5.5	50
D2.9-50-2T-ES	2	2.9	4	6.0	50
D3.0-50-2T-ES	2	3.0	4	6.0	50

特 點 / Feature

■微小徑銑刀可充分發揮加工中心高速、高精度性能，常用于電子零件等精密零件的加工。
■ High-precision performance at high speed thanks to micro diameter of flutes.

■Work Piece Table ◎ Excellent ○ Good

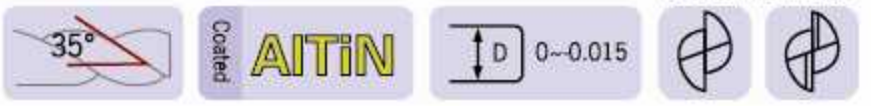
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
		○	◎	◎			○				

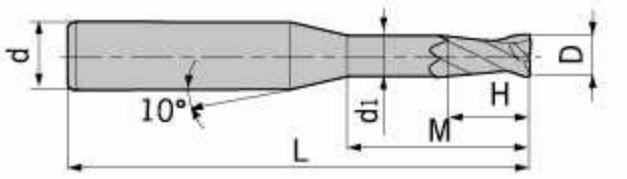
DH-2-EP /Square /Long Neck/Short Flute /2 Flutes

DH-2-EP兩刃直柄長頸短刃平頭立銑刀









型號 Specification	刃數 Flute	D	d	H	M	d1	L
DH-D05-M04-50-2T-EP	2	0.5	4	0.7	4	0.45	50
D05-M06-50-2T-EP	2	0.5	4	0.7	6	0.45	50
D05-M08-50-2T-EP	2	0.5	4	0.7	8	0.45	50
D08-M04-50-2T-EP	2	0.8	4	1.2	4	0.75	50
D08-M06-50-2T-EP	2	0.8	4	1.2	6	0.75	50
D08-M08-50-2T-EP	2	0.8	4	1.2	8	0.75	50
D08-M10-50-2T-EP	2	0.8	4	1.2	10	0.75	50
D1.0-M04-50-2T-EP	2	1.0	4	1.5	4	0.95	50
D1.0-M06-50-2T-EP	2	1.0	4	1.5	6	0.95	50
D1.0-M08-50-2T-EP	2	1.0	4	1.5	8	0.95	50
D1.0-M10-50-2T-EP	2	1.0	4	1.5	10	0.95	50
D1.0-M12-50-2T-EP	2	1.0	4	1.5	12	0.95	50
D1.0-M14-50-2T-EP	2	1.0	4	1.5	14	0.95	50
D1.2-M06-50-2T-EP	2	1.2	4	1.8	6	1.15	50
D1.2-M08-50-2T-EP	2	1.2	4	1.8	8	1.15	50
D1.2-M10-50-2T-EP	2	1.2	4	1.8	10	1.15	50
D1.2-M12-50-2T-EP	2	1.2	4	1.8	12	1.15	50
D1.5-M06-50-2T-EP	2	1.5	4	2.3	6	1.45	50
D1.5-M08-50-2T-EP	2	1.5	4	2.3	8	1.45	50
D1.5-M10-50-2T-EP	2	1.5	4	2.3	10	1.45	50
D1.5-M12-50-2T-EP	2	1.5	4	2.3	12	1.45	50
D1.5-M14-50-2T-EP	2	1.5	4	2.3	14	1.45	50
D2.0-M06-50-2T-EP	2	2.0	4	3.0	6	1.95	50
D2.0-M08-50-2T-EP	2	2.0	4	3.0	8	1.95	50
D2.0-M10-50-2T-EP	2	2.0	4	3.0	10	1.95	50
D2.0-M12-50-2T-EP	2	2.0	4	3.0	12	1.95	50
D2.0-M14-50-2T-EP	2	2.0	4	3.0	14	1.95	50
D2.0-M16-50-2T-EP	2	2.0	4	3.0	16	1.95	50
D2.5-M08-50-2T-EP	2	2.5	4	3.7	8	2.4	50
D2.5-M10-50-2T-EP	2	2.5	4	3.7	10	2.4	50
D2.5-M12-50-2T-EP	2	2.5	4	3.7	12	2.4	50
D2.5-M14-50-2T-EP	2	2.5	4	3.7	14	2.4	50

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See next page

■Work Piece Table ◎ Excellent ○ Good

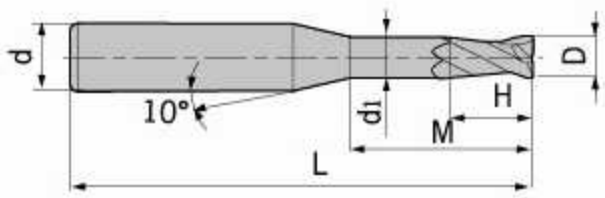
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		◎				

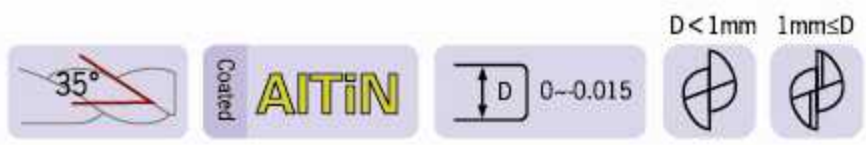
DH-2-EP /Square /Long Neck/Short Flute /2 Flutes

DH-2-EP兩刃直柄長頸短刃平頭立銑刀









型號 Specification		刃數 Flute	D	d	H	M	d_1	L
DH-	D2.5-M16-60-2T-EP	2	2.5	4	3.7	16	2.4	60
	D2.5-M18-60-2T-EP	2	2.5	4	3.7	18	2.4	60
	D2.5-M20-60-2T-EP	2	2.5	4	3.7	20	2.4	60
	D3.0-M06-50-2T-EP	2	3.0	6	4.5	6	2.85	50
	D3.0-M08-50-2T-EP	2	3.0	6	4.5	8	2.85	50
	D3.0-M10-50-2T-EP	2	3.0	6	4.5	10	2.85	50
	D3.0-M12-50-2T-EP	2	3.0	6	4.5	12	2.85	50
	D3.0-M14-60-2T-EP	2	3.0	6	4.5	14	2.85	60
	D3.0-M16-60-2T-EP	2	3.0	6	4.5	16	2.85	60
	D3.0-M18-60-2T-EP	2	3.0	6	4.5	18	2.85	60
	D3.0-M20-60-2T-EP	2	3.0	6	4.5	20	2.85	60
	D4.0-M12-50-2T-EP	2	4.0	6	6.0	12	3.85	50
	D4.0-M16-60-2T-EP	2	4.0	6	6.0	16	3.85	60
	D4.0-M20-60-2T-EP	2	4.0	6	6.0	20	3.85	60
	D4.0-M25-60-2T-EP	2	4.0	6	6.0	25	3.85	60
	D5.0-M16-60-2T-EP	2	5.0	6	7.5	16	4.85	60
	D5.0-M25-70-2T-EP	2	5.0	6	7.5	25	4.85	70

特 點 / Feature

■適用于細槽加工或會產生幹涉的細微部分的加工。
■ Suitable for rib-processing and very fine operations without interference.

■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

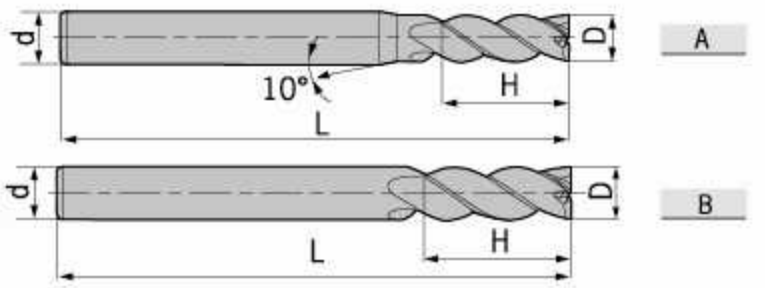
DH-4-E / Square / Standard / 4 Flutes

DH-4-E四刃直柄平頭立銑刀









型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DH-	D1.0S-50-4T-E	4	A	1.0	4	3	50
	D1.5S-50-4T-E	4	A	1.5	4	4	50
	D2.0S-50-4T-E	4	A	2.0	4	6	50
	D2.5S-50-4T-E	4	A	2.5	4	8	50
	D3.0S-50-4T-E	4	A	3.0	4	8	50
	D4.0S-50-4T-E	4	B	4.0	4	11	50
	D1.0-50-4T-E	4	A	1.0	6	3	50
	D1.5-50-4T-E	4	A	1.5	6	4	50
	D2.0-50-4T-E	4	A	2.0	6	6	50
	D2.5-50-4T-E	4	A	2.5	6	8	50
	D3.0-50-4T-E	4	A	3.0	6	8	50
	D3.5-50-4T-E	4	A	3.5	6	10	50
	D4.0-50-4T-E	4	A	4.0	6	11	50
	D4.5-50-4T-E	4	A	4.5	6	11	50
	D5.0-50-4T-E	4	A	5.0	6	13	50
	D5.5-50-4T-E	4	A	5.5	6	16	50
	D6.0-50-4T-E	4	B	6.0	6	16	50
	D7.0-60-4T-E	4	A	7.0	8	20	60
	D8.0-60-4T-E	4	B	8.0	8	20	60
	D9.0-75-4T-E	4	A	9.0	10	22	75
	D10.0-75-4T-E	4	B	10.0	10	25	75
	D11.0-75-4T-E	4	A	11.0	12	26	75
	D12.0-75-4T-E	4	B	12.0	12	30	75
	D14.0-75-4T-E	4	B	14.0	14	32	75
	D16.0-100-4T-E	4	B	16.0	16	45	100
	D18.0-100-4T-E	4	B	18.0	18	45	100
	D20.0-100-4T-E	4	B	20.0	20	45	100

特 點 / Feature

■適用于側面銑削，淺槽加工。■ Suitable for side-milling and grooving.
■最適于高速切削、幹式切削。■ High speed, Dry-cutting.

■Work Piece Table ◎ Excellent ○ Good

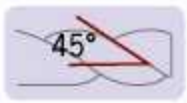
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

DH-4-EL / Square / Long / 4 Flutes

DH-4-EL四刃直柄長刃平頭立銑刀



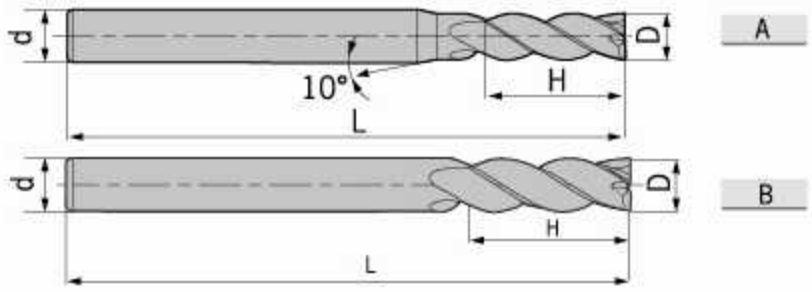




Coated AlTiN







型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DH-	D3.0-75-4T-EL	4	A	3.0	6	12	75
	D4.0-75-4T-EL	4	A	4.0	6	15	75
	D5.0-75-4T-EL	4	A	5.0	6	20	75
	D6.0-75-4T-EL	4	B	6.0	6	20	75
	D8.0-100-4T-EL	4	B	8.0	8	25	100
	D10.0-100-4T-EL	4	B	10.0	10	30	100
	D12.0-100-4T-EL	4	B	12.0	12	35	100
	D14.0-100-4T-EL	4	B	14.0	14	40	100
	D16.0-150-4T-EL	4	B	16.0	16	50	150
	D20.0-150-4T-EL	4	B	20.0	20	55	150

■Work Piece Table ◎ Excellent ○ Good

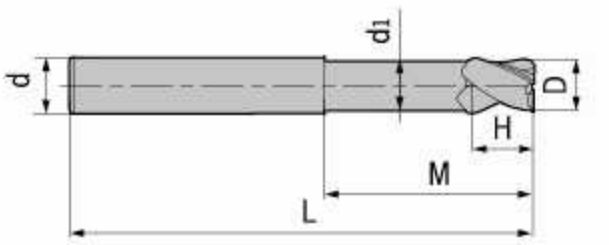
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

DH-4-EFP / Square / Long / Short Flute / 4 Flutes

DH-4-EFP四刃直柄長頸短刃平頭立銑刀









型號 Specification	刃數 Flute	D	d	H	M	d1	L
DH-D6.0-75-4T-EFP	4	6.0	6	9	30	5.8	75
D8.0-100-4T-EFP	4	8.0	8	12	40	7.8	100
D10.0-100-4T-EFP	4	10.0	10	15	50	9.6	100
D12.0-100-4T-EFP	4	12.0	12	18	50	11.5	100
D16.0-150-4T-EFP	4	16.0	16	24	50	15.5	150
D20.0-150-4T-EFP	4	20.0	20	30	60	19.5	150

特 點 / Feature

■高剛性短刃設計，適用于重切削，也可用于深型腔的銑削加工。
■ Short flute design with high rigidity for heavy duty and deep pocket milling.

■Work Piece Table ◎ Excellent ○ Good

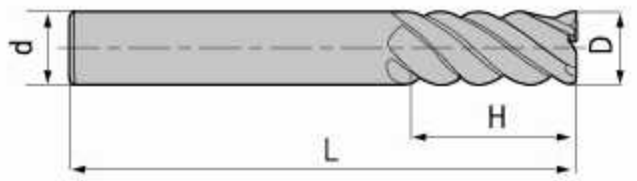
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

DH-6-E / Square / Standard / 6 Flutes

DH-6-E六刃直柄平頭立銑刀









型號 Specification		刃數 Flute	D	d	H	L
DH-	D6.0-60-6T-E	6	6.0	6	18	60
	D8.0-60-6T-E	6	8.0	8	20	60
	D10.0-75-6T-E	6	10.0	10	30	75
	D12.0-75-6T-E	6	12.0	12	32	75
	D16.0-100-6T-E	6	16.0	16	40	100
	D20.0-100-6T-E	6	20.0	20	45	100

特 點 / Feature

■刀具剛性好，能最大限度的減少側面切削時的讓刀量。
■ High working precision thanks to high rigidity of tool.

■Work Piece Table ◎ Excellent ○ Good

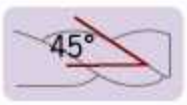
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

DH-6-EL / Square / Long / 6 Flutes

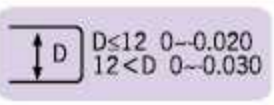
DH-6-EL六刃直柄長刃平頭立銑刀



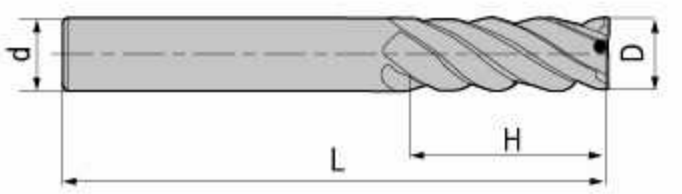




Coated AlTiN







型號 Specification		刃數 Flute	D	d	H	L
DH-	D6.0-75-6T-EL	6	6.0	6	24	75
	D8.0-75-6T-EL	6	8.0	8	32	75
	D10.0-100-6T-EL	6	10.0	10	40	100
	D12.0-100-6T-EL	6	12.0	12	45	100
	D16.0-150-6T-EL	6	16.0	16	64	150
	D20.0-150-6T-EL	6	20.0	20	75	150

■Work Piece Table ◎ Excellent ○ Good

Work piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

DH-2-B / Ball / Standard / 2 Flutes

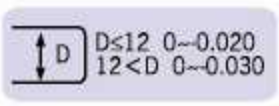
DH-2-B兩刃直柄球頭立銑刀





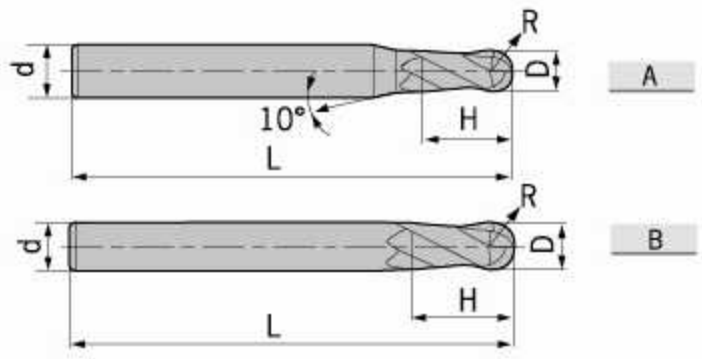


Coated AlTiN









型號 Specification		刃數 Flute	圖示 Figure	D	R	d	H	L
DH-	R0.5S-50-2T-B	2	A	1.0	0.5	4	2	50
	R0.75S-50-2T-B	2	A	1.5	0.75	4	3	50
	R1.0S-50-2T-B	2	A	2.0	1.0	4	4	50
	R1.25S-50-2T-B	2	A	2.5	1.25	4	5	50
	R1.5S-50-2T-B	2	A	3.0	1.5	4	6	50
	R2.0S-50-2T-B	2	B	4.0	2.0	4	8	50
	R0.5-50-2T-B	2	A	1.0	0.5	6	2	50
	R0.75-50-2T-B	2	A	1.5	0.75	6	3	50
	R1.0-50-2T-B	2	A	2.0	1.0	6	4	50
	R1.25-50-2T-B	2	A	2.5	1.25	6	5	50
	R1.5-50-2T-B	2	A	3.0	1.5	6	6	50
	R1.75-50-2T-B	2	A	3.5	1.75	6	8	50
	R2.0-50-2T-B	2	A	4.0	2.0	6	8	50
	R2.5-50-2T-B	2	A	5.0	2.5	6	10	50
	R2.75-50-2T-B	2	A	5.5	2.75	6	12	50
	R3.0-50-2T-B	2	B	6.0	3.0	6	12	50
	R3.5-60-2T-B	2	A	7.0	3.5	8	14	60
	R4.0-60-2T-B	2	B	8.0	4.0	8	16	60
	R4.5-75-2T-B	2	A	9.0	4.5	10	18	75
	R5.0-75-2T-B	2	B	10.0	5.0	10	20	75
	R6.0-75-2T-B	2	B	12.0	6.0	12	24	75
	R7.0-75-2T-B	2	B	14.0	7.0	14	28	75
	R8.0-100-2T-B	2	B	16.0	8.0	16	32	100
	R10.0-100-2T-B	2	B	20.0	10.0	20	40	100

特 點 / Feature

■適用于仿形銑削。 ■ Suitable for copying.
■最適于高速切削、幹式切削。 ■ High speed, Dry-cutting.

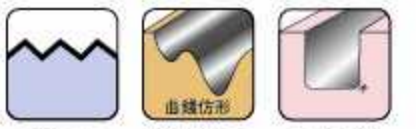
■Work Piece Table ◎ Excellent ○ Good

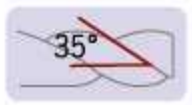
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
		○	◎	◎			○				

DH-2-BL / Ball / Long / 2 Flutes

DH-2-BL兩刃直柄長柄球頭立銑刀



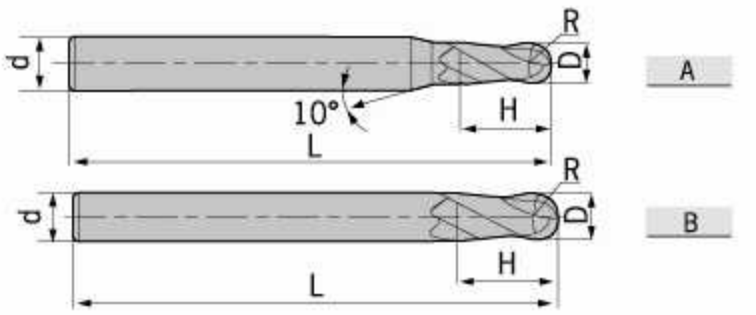




Coated AlTiN

D D≤12 0~-0.020
12<D 0~-0.030

R R±0.01



型號 Specification		刃數 Flute	圖示 Figure	D	R	d	H	L
DH-	R1.0-75-2T-BL	2	A	2.0	1.0	6	4	75
	R1.25-75-2T-BL	2	A	2.5	1.25	6	5	75
	R1.5-75-2T-BL	2	A	3.0	1.5	6	6	75
	R1.75-75-2T-BL	2	A	3.5	1.75	6	8	75
	R2.0-75-2T-BL	2	A	4.0	2.0	6	8	75
	R2.5-75-2T-BL	2	A	5.0	2.5	6	10	75
	R2.75-75-2T-BL	2	A	5.5	2.75	6	12	75
	R3.0-75-2T-BL	2	B	6.0	3.0	6	12	75
	R3.5-75-2T-BL	2	A	7.0	3.5	8	14	75
	R4.0-100-2T-BL	2	B	8.0	4.0	8	16	100
	R4.5-100-2T-BL	2	A	9.0	4.5	10	18	100
	R5.0-100-2T-BL	2	B	10.0	5.0	10	20	100
	R6.0-100-2T-BL	2	B	12.0	6.0	12	24	100
	R7.0-100-2T-BL	2	B	14.0	7.0	14	28	100
	R8.0-150-2T-BL	2	B	16.0	8.0	16	32	150
	R10.0-150-2T-BL	2	B	20.0	10.0	20	40	150

■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
		○	◎	◎			○				

DH-2-BP / Ball / Long Neck / Short Flute / 2 Flutes

DH-2-BP兩刃直柄長頸短刃球頭立銑刀





35° | Coated AlTiN | D 0~-0.015 | R R±0.005 R<0.5 R±0.01 R≥0.5

型號 Specification		刃數 Flute	D	R	H	d1	M	d	L
DH-	R0.25-M04-50-2T-BP	2	0.5	0.25	0.7	0.45	4	4	50
	R0.25-M06-50-2T-BP	2	0.5	0.25	0.7	0.45	6	4	50
	R0.3-M04-50-2T-BP	2	0.6	0.3	0.9	0.55	4	4	50
	R0.3-M06-50-2T-BP	2	0.6	0.3	0.9	0.55	6	4	50
	R0.3-M08-50-2T-BP	2	0.6	0.3	0.9	0.55	8	4	50
	R0.4-M04-50-2T-BP	2	0.8	0.4	1.2	0.75	4	4	50
	R0.4-M06-50-2T-BP	2	0.8	0.4	1.2	0.75	6	4	50
	R0.4-M08-50-2T-BP	2	0.8	0.4	1.2	0.75	8	4	50
	R0.4-M10-50-2T-BP	2	0.8	0.4	1.2	0.75	10	4	50
	R0.5-M04-50-2T-BP	2	1.0	0.5	1.5	0.95	4	4	50
	R0.5-M06-50-2T-BP	2	1.0	0.5	1.5	0.95	6	4	50
	R0.5-M08-50-2T-BP	2	1.0	0.5	1.5	0.95	8	4	50
	R0.5-M10-50-2T-BP	2	1.0	0.5	1.5	0.95	10	4	50
	R0.5-M12-50-2T-BP	2	1.0	0.5	1.5	0.95	12	4	50
	R0.6-M06-50-2T-BP	2	1.2	0.6	1.8	1.15	6	4	50
	R0.6-M08-50-2T-BP	2	1.2	0.6	1.8	1.15	8	4	50
	R0.6-M12-50-2T-BP	2	1.2	0.6	1.8	1.15	12	4	50
	R0.6-M16-50-2T-BP	2	1.2	0.6	1.8	1.15	16	4	50
	R0.75-M08-50-2T-BP	2	1.5	0.75	2.3	1.45	8	4	50
	R0.75-M12-50-2T-BP	2	1.5	0.75	2.3	1.45	12	4	50
	R0.75-M16-50-2T-BP	2	1.5	0.75	2.3	1.45	16	4	50
	R1.0-M06-50-2T-BP	2	2.0	1.0	3.0	1.95	6	4	50
	R1.0-M08-50-2T-BP	2	2.0	1.0	3.0	1.95	8	4	50
	R1.0-M10-50-2T-BP	2	2.0	1.0	3.0	1.95	10	4	50
	R1.0-M12-50-2T-BP	2	2.0	1.0	3.0	1.95	12	4	50
	R1.0-M16-50-2T-BP	2	2.0	1.0	3.0	1.95	16	4	50
	R1.0-M20-50-2T-BP	2	2.0	1.0	3.0	1.95	20	4	50
	R1.25-M08-50-2T-BP	2	2.5	1.25	3.7	2.4	8	4	50
	R1.25-M12-50-2T-BP	2	2.5	1.25	3.7	2.4	12	4	50
	R1.25-M16-60-2T-BP	2	2.5	1.25	3.7	2.4	16	4	60
	R1.25-M20-60-2T-BP	2	2.5	1.25	3.7	2.4	20	4	60

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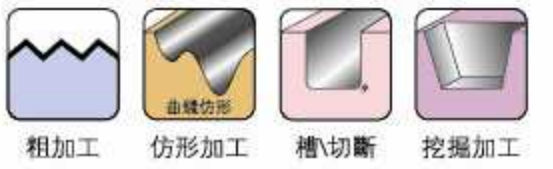
■Work Piece Table ◎ Excellent ○ Good

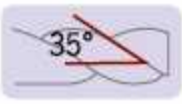
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

DH-2-BP / Ball / Long Neck / Short Flute / 2 Flutes

DH-2-BP兩刃直柄長頸短刃球頭立銑刀





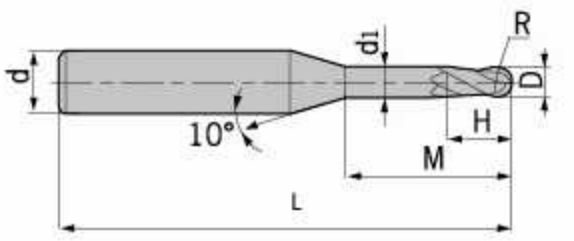


Coated AlTiN

D 0~0.015

R R±0.005 R<0.5 R±0.01 R≥0.5





型號 Specification	刃數 Flute	D	R	H	d1	M	d	L
DH-R1.5-M08-50-2T-BP	2	3.0	1.5	4.5	2.85	8	6	50
R1.5-M10-50-2T-BP	2	3.0	1.5	4.5	2.85	10	6	50
R1.5-M12-50-2T-BP	2	3.0	1.5	4.5	2.85	12	6	50
R1.5-M16-60-2T-BP	2	3.0	1.5	4.5	2.85	16	6	60
R1.5-M20-60-2T-BP	2	3.0	1.5	4.5	2.85	20	6	60
R2.0-M10-60-2T-BP	2	4.0	2.0	6.0	3.85	10	6	60
R2.0-M16-60-2T-BP	2	4.0	2.0	6.0	3.85	16	6	60
R2.0-M20-60-2T-BP	2	4.0	2.0	6.0	3.85	20	6	60
R2.0-M25-60-2T-BP	2	4.0	2.0	6.0	3.85	25	6	60
R2.5-M16-60-2T-BP	2	5.0	2.5	7.5	4.85	16	6	60
R2.5-M25-70-2T-BP	2	5.0	2.5	7.5	4.85	25	6	70

特 點 / Feature

■適用于細槽加工及自由曲面加工。 ■ Suitable for rib-processing and profiling.

■Work Piece Table ◎ Excellent ○ Good

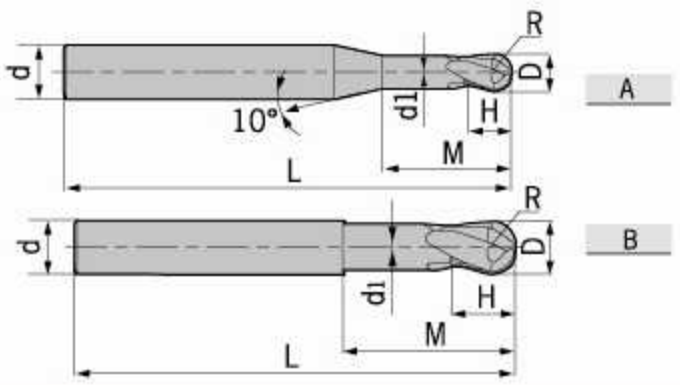
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

DH-2-BFP / Ball / Long Neck / Short Flute / 2 Flutes

DH-2-BFP兩刃直柄長頸短刃球頭立銑刀







35° | Coated AlTiN | D: D≤12 0~-0.020, 12<D 0~-0.030 | R: R±0.01

型號 Specification	刃數 Flute	圖示 Figure	D	R	H	d1	M	d	L
DH- R0.5-75-2T-BFP	2	A	1.0	0.5	1	0.95	2.5	6	75
R0.75-75-2T-BFP	2	A	1.5	0.75	1.5	1.45	3	6	75
R1.0-75-2T-BFP	2	A	2.0	1.0	2	1.95	4	6	75
R1.5-75-2T-BFP	2	A	3.0	1.5	3	2.85	6	6	75
R2.0-75-2T-BFP	2	A	4.0	2.0	4	3.85	8	6	75
R2.5-75-2T-BFP	2	A	5.0	2.5	5	4.85	10	6	75
R3.0-75-2T-BFP	2	B	6.0	3.0	6	5.8	12	6	75
R4.0-100-2T-BFP	2	B	8.0	4.0	8	7.8	16	8	100
R5.0-100-2T-BFP	2	B	10.0	5.0	10	9.6	20	10	100
R6.0-100-2T-BFP	2	B	12.0	6.0	12	11.5	24	12	100
R8.0-150-2T-BFP	2	B	16.0	8.0	16	15.5	32	16	150
R10.0-150-2T-BFP	2	B	20.0	10.0	20	19.5	40	20	150

特 點 / Feature

■高剛性短刃設計，適用于重切削。■ High-rigidity and short flutes for heavy duty.

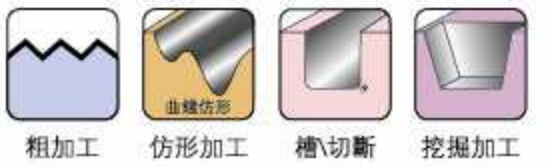
■Work Piece Table ◎ Excellent ○ Good

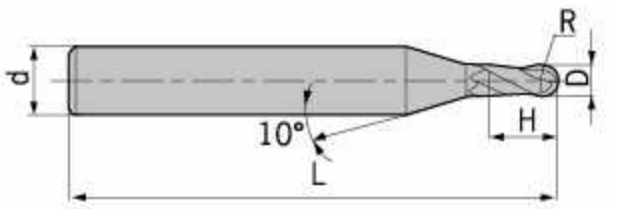
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
		○	◎	◎			○				

DH-2-BS / Ball / Micro / 2 Flutes

DH-2-BS兩刃直柄微小徑球頭立銑刀









Coated AlTiN

D 0~-0.015

R R±0.005 R<0.5
R±0.01 R≥0.5



型號 Specification		刃數 Flute	D	R	d	H	L
DH-	R0.15-50-2T-BS	2	0.30	0.15	4	0.5	50
	R0.20-50-2T-BS	2	0.40	0.20	4	0.6	50
	R0.25-50-2T-BS	2	0.50	0.25	4	0.8	50
	R0.30-50-2T-BS	2	0.60	0.30	4	0.9	50
	R0.35-50-2T-BS	2	0.70	0.35	4	1.0	50
	R0.40-50-2T-BS	2	0.80	0.40	4	1.2	50
	R0.45-50-2T-BS	2	0.90	0.45	4	1.3	50
	R0.50-50-2T-BS	2	1.00	0.50	4	1.5	50
	R0.60-50-2T-BS	2	1.20	0.60	4	1.8	50
	R0.70-50-2T-BS	2	1.40	0.70	4	2.0	50
	R0.75-50-2T-BS	2	1.50	0.75	4	2.3	50
	R0.80-50-2T-BS	2	1.60	0.80	4	2.5	50
	R0.90-50-2T-BS	2	1.80	0.90	4	2.7	50
	R1.00-50-2T-BS	2	2.00	1.00	4	3.0	50
	R1.25-50-2T-BS	2	2.50	1.25	4	3.7	50
	R1.50-50-2T-BS	2	3.00	1.50	4	4.5	50

特 點 / Feature

■微小徑銑刀可充分發揮加工中心高速、高精度性能，常用于電子零件等精密零件的加工。
■ High-precision performance at high speed thanks to micro diameter of flutes.

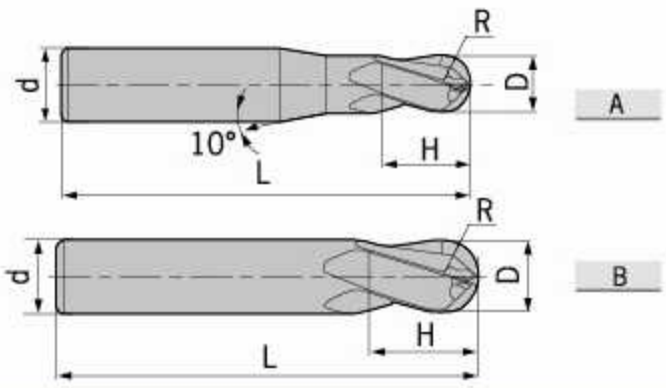
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
		○	◎	◎			○				

DH-4-B四刃直柄球頭立銑刀



粗加工 仿形加工 槽\切斷



35° Coated AlTiN D D≤12 0~0.020 12<D 0~0.030 R R±0.01

型號 Specification	刃數 Flute	圖示 Figure	D	R	d	H	L
DH-R1.5-50-4T-B	4	A	3.0	1.5	6	6	50
R2.0-50-4T-B	4	A	4.0	2.0	6	8	50
R2.5-50-4T-B	4	A	5.0	2.5	6	10	50
R3.0-50-4T-B	4	B	6.0	3.0	6	12	50
R4.0-60-4T-B	4	B	8.0	4.0	8	16	60
R5.0-75-4T-B	4	B	10.0	5.0	10	20	75
R6.0-75-4T-B	4	B	12.0	6.0	12	24	75
R7.0-75-4T-B	4	B	14.0	7.0	14	28	75
R8.0-100-4T-B	4	B	16.0	8.0	16	32	100
R9.0-100-4T-B	4	B	18.0	9.0	18	36	100
R10.0-100-4T-B	4	B	20.0	10.0	20	40	100

特 點 / Feature

■四刃球頭銑刀可實現較高的進給速度，提高加工效率，在高硬度材料加工中實現較長的使用壽命。
■ High feed speed, High efficiency, Long tool life.

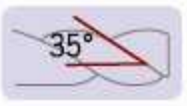
■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

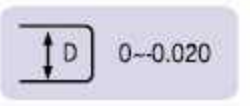
DH-4-R / Corner Radius / Standard / 4 Flutes

DH-4-R四刃直柄圓弧立銑刀



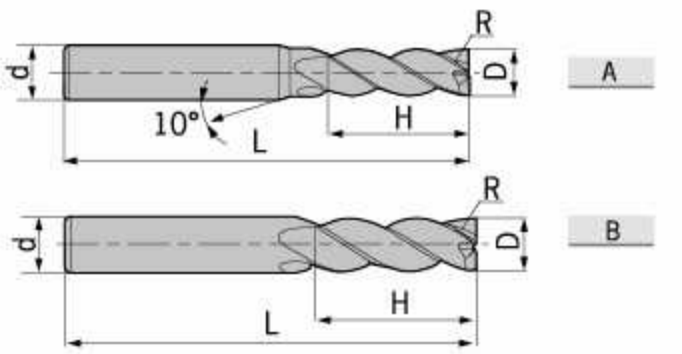


Coated AlTiN









型號 Specification		刃數 Flute	圖示 Figure	D	R	d	H	L
DH-	D3.0R0.2-50-4T-R	4	A	3.0	0.2	4	8	50
	D4.0R0.3-50-4T-R	4	B	4.0	0.3	4	10	50
	D4.0R0.5-50-4T-R	4	B	4.0	0.5	4	10	50
	D5.0R0.5-50-4T-R	4	A	5.0	0.5	6	13	50
	D5.0R1.0-50-4T-R	4	A	5.0	1.0	6	13	50
	D6.0R0.5-50-4T-R	4	B	6.0	0.5	6	16	50
	D6.0R1.0-50-4T-R	4	B	6.0	1.0	6	16	50
	D8.0R0.5-60-4T-R	4	B	8.0	0.5	8	20	60
	D8.0R1.0-60-4T-R	4	B	8.0	1.0	8	20	60
	D10.0R0.5-75-4T-R	4	B	10.0	0.5	10	25	75
	D10.0R1.0-75-4T-R	4	B	10.0	1.0	10	25	75
	D10.0R2.0-75-4T-R	4	B	10.0	2.0	10	25	75
	D10.0R3.0-75-4T-R	4	B	10.0	3.0	10	25	75
	D12.0R0.5-75-4T-R	4	B	12.0	0.5	12	30	75
	D12.0R1.0-75-4T-R	4	B	12.0	1.0	12	30	75
	D12.0R2.0-75-4T-R	4	B	12.0	2.0	12	30	75
	D12.0R3.0-75-4T-R	4	B	12.0	3.0	12	30	75

特 點 / Feature

■適用範圍廣泛，可實現多種形態的加工。■ For general purpose.

■Work Piece Table ◎ Excellent ○ Good

Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
		○	◎	◎			○				

DH-4-RF / Corner Radius / Short Flute / 4 Flutes

DH-4-RF四刃直柄短刃圓弧立銑刀









型號 Specification	刃数 Flute	D	R	d	H	L
DH-D6.0R0.5-50-4T-RF	4	6.0	0.5	6	6	50
D6.0R1.0-50-4T-RF	4	6.0	1.0	6	6	50
D8.0R0.5-60-4T-RF	4	8.0	0.5	8	8	60
D8.0R1.0-60-4T-RF	4	8.0	1.0	8	8	60
D10.0R0.5-75-4T-RF	4	10.0	0.5	10	10	75
D10.0R1.0-75-4T-RF	4	10.0	1.0	10	10	75
D10.0R2.0-75-4T-RF	4	10.0	2.0	10	10	75
D12.0R0.5-75-4T-RF	4	12.0	0.5	12	12	75
D12.0R1.0-75-4T-RF	4	12.0	1.0	12	12	75
D12.0R2.0-75-4T-RF	4	12.0	2.0	12	12	75

特 點 / Feature

■高剛性短刃型設計，可進行高速、大進給切削。 ■ High rigidity and short flute for high-feed at high speed.

■Work Piece Table ◎ Excellent ○ Good

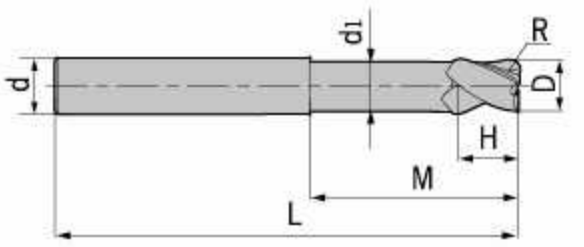
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

DH-4-RP / Corner Radius / Long Neck / Short Flute / 4 Flutes

DH-4-RP四刃直柄長頸短刃圓弧立銑刀









型號 Specification	刃數 Flute	D	R	d	d_1	H	L
DH-D6.0R0.5-75-4T-RP	4	6.0	0.5	6	5.8	6	75
D6.0R1.0-75-4T-RP	4	6.0	1.0	6	5.8	6	75
D8.0R0.5-100-4T-RP	4	8.0	0.5	8	7.8	8	100
D8.0R1.0-100-4T-RP	4	8.0	1.0	8	7.8	8	100
D10.0R0.5-100-4T-RP	4	10.0	0.5	10	9.6	10	100
D10.0R1.0-100-4T-RP	4	10.0	1.0	10	9.6	10	100
D10.0R2.0-100-4T-RP	4	10.0	2.0	10	9.6	10	100
D12.0R0.5-100-4T-RP	4	12.0	0.5	12	11.5	12	100
D12.0R1.0-100-4T-RP	4	12.0	1.0	12	11.5	12	100
D12.0R2.0-100-4T-RP	4	12.0	2.0	12	11.5	12	100
D16.0R1.0-150-4T-RP	4	16.0	1.0	16	15.5	16	150
D16.0R2.0-150-4T-RP	4	16.0	2.0	16	15.5	16	150

特 點 / Feature

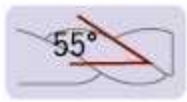
■長柄短刃設計，適用于深型腔的銑削加工。 ■ Long shank and short flutes for deep pocket-milling.

■Work Piece Table ◎ Excellent ○ Good

Work Piece											
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
			○	◎	◎		○				

DL-2-E兩刃直柄平頭立銑刀

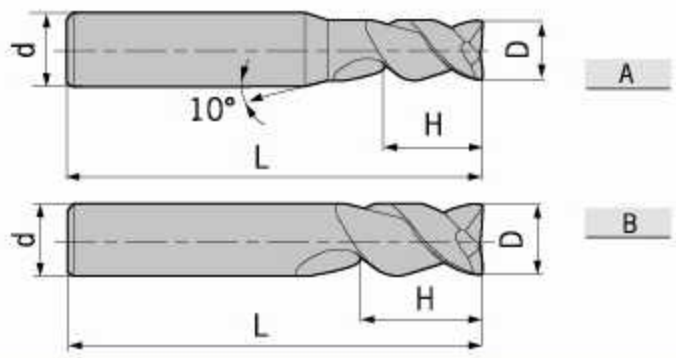












型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DL-	D1.0-50-2T-E	2	A	1.0	4	3	50
	D1.5-50-2T-E	2	A	1.5	4	4	50
	D2.0-50-2T-E	2	A	2.0	4	6	50
	D2.5-50-2T-E	2	A	2.5	4	7	50
	D3.0-50-2T-E	2	A	3.0	6	9	50
	D4.0-50-2T-E	2	A	4.0	6	12	50
	D5.0-50-2T-E	2	A	5.0	6	15	50
	D6.0-60-2T-E	2	B	6.0	6	18	60
	D8.0-60-2T-E	2	B	8.0	8	20	60
	D10.0-75-2T-E	2	B	10.0	10	30	75
	D12.0-75-2T-E	2	B	12.0	12	32	75
	D16.0-100-2T-E	2	B	16.0	16	45	100
	D20.0-100-2T-E	2	B	20.0	20	45	100

特 點 / Feature

■排屑性能良好，可進行高效率加工 。 ■ Excellent chip evacuation and high efficiency.

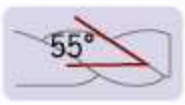
■Work Piece Table ◎ Excellent ○ Good

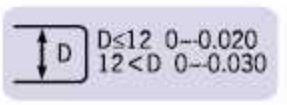
Work Piece									
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
									◎		

DL-2-EL / Square / Long / 2 Flutes

DL-2-EL兩刃直柄長刃平頭立銑刀

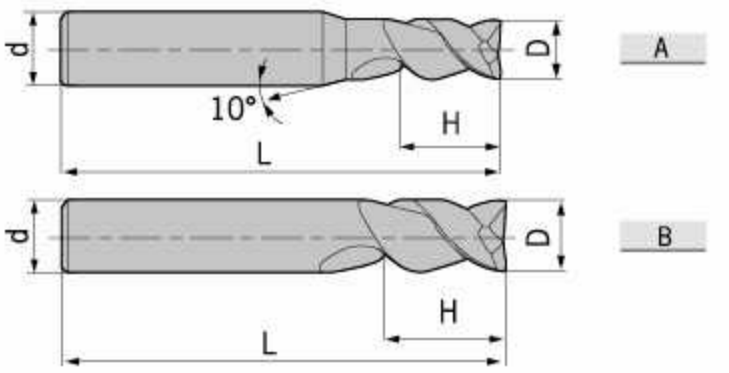












型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DL-	D3.0-60-2T-EL	2	A	3.0	6	12	60
	D4.0-60-2T-EL	2	A	4.0	6	16	60
	D5.0-60-2T-EL	2	A	5.0	6	20	60
	D6.0-75-2T-EL	2	B	6.0	6	25	75
	D8.0-75-2T-EL	2	B	8.0	8	32	75
	D10.0-100-2T-EL	2	B	10.0	10	45	100
	D12.0-100-2T-EL	2	B	12.0	12	45	100
	D16.0-150-2T-EL	2	B	16.0	16	65	150
	D20.0-150-2T-EL	2	B	20.0	20	75	150

■Work Piece Table ◎ Excellent ○ Good

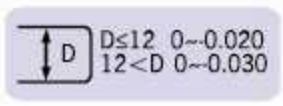
Work Piece									
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
									◎		

DL-3-E / Square / Standard / 3 Flutes

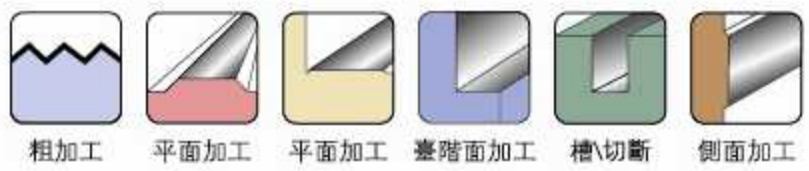
DL-3-E三刃直柄平頭立銑刀

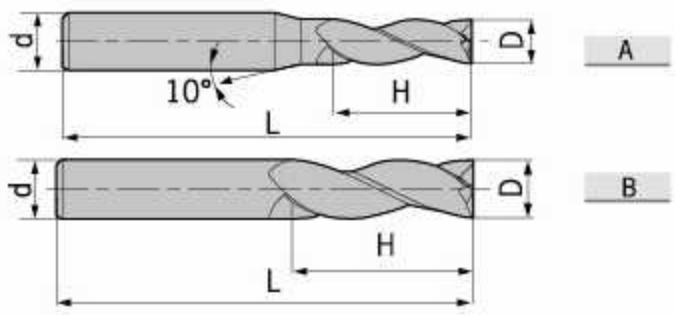












型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DL-	D1.0-50-3T-E	3	A	1.0	4	3	50
	D1.5-50-3T-E	3	A	1.5	4	4	50
	D2.0-50-3T-E	3	A	2.0	4	6	50
	D2.5-50-3T-E	3	A	2.5	4	7	50
	D3.0-50-3T-E	3	A	3.0	6	9	50
	D4.0-50-3T-E	3	A	4.0	6	12	50
	D5.0-50-3T-E	3	A	5.0	6	15	50
	D6.0-60-3T-E	3	B	6.0	6	18	60
	D8.0-60-3T-E	3	B	8.0	8	20	60
	D10.0-75-3T-E	3	B	10.0	10	30	75
	D12.0-75-3T-E	3	B	12.0	12	32	75
	D16.0-100-3T-E	3	B	16.0	16	45	100
	D20.0-100-3T-E	3	B	20.0	20	45	100

特 點 / Feature

■切削性能優异，無顫振，可實現高精度的加工。 ■ Excellent cutting performance, Zero-shaking, High precision.

■Work Piece Table ◎ Excellent ○ Good

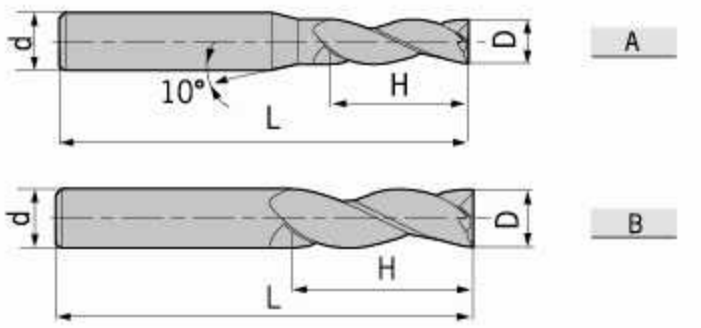
Work Piece										
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
									◎		

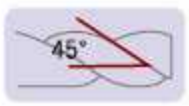
DL-3-EL / Square / Long / 3 Flutes

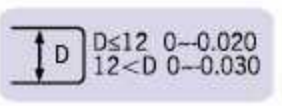
DL-3-EL三刃直柄長刃平頭立銑刀













型號 Specification		刃數 Flute	圖示 Figure	D	d	H	L
DL-	D3.0-60-3T-EL	3	A	3.0	6	12	60
	D4.0-60-3T-EL	3	A	4.0	6	16	60
	D5.0-60-3T-EL	3	A	5.0	6	20	60
	D6.0-75-3T-EL	3	B	6.0	6	25	75
	D8.0-75-3T-EL	3	B	8.0	8	32	75
	D10.0-100-3T-EL	3	B	10.0	10	45	100
	D12.0-100-3T-EL	3	B	12.0	12	45	100
	D16.0-150-3T-EL	3	B	16.0	16	65	150
	D20.0-150-3T-EL	3	B	20.0	20	75	150

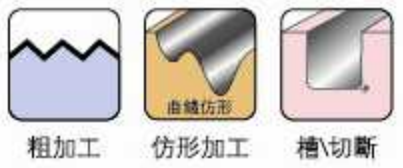
■Work Piece Table ◎ Excellent ○ Good

Work Piece									
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
									◎		

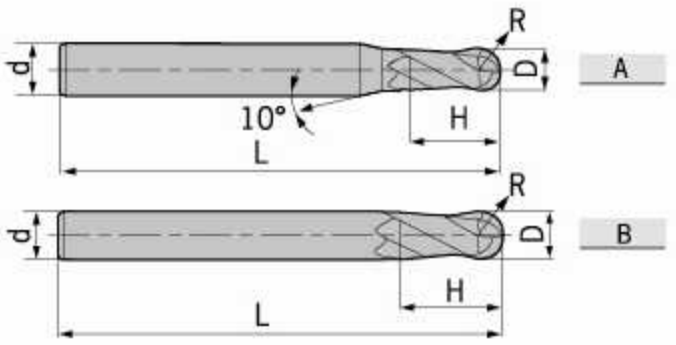
DL-2-B / Ball / Standard / 2 Flutes

DL-2-B兩刃直柄球頭立銑刀









型號 Specification		刃数 Flute	圖示 Figure	D	R	d	H	L
DL-	R1.0-60-2T-B	2	A	2.0	1.0	6	4	60
	R1.5-60-2T-B	2	A	3.0	1.5	6	6	60
	R2.0-60-2T-B	2	A	4.0	2.0	6	8	60
	R2.5-60-2T-B	2	A	5.0	2.5	6	10	60
	R3.0-60-2T-B	2	B	6.0	3.0	6	12	60
	R4.0-75-2T-B	2	B	8.0	4.0	8	16	75
	R5.0-75-2T-B	2	B	10.0	5.0	10	20	75
	R6.0-75-2T-B	2	B	12.0	6.0	12	24	75

特 點 / Feature

■適用于鋁合金的仿形銑削。■ Copying for Aluminium Alloy.

■Work Piece Table ◎ Excellent ○ Good

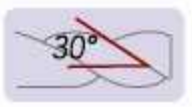
Work Piece									
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
									◎		

DL-3-W / Square / Standard / 3 Flutes / Waving

DL-3-W三刃直柄平頭波形立銑刀

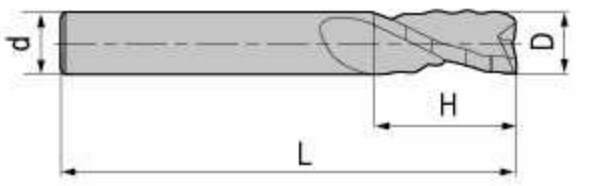












型號 Specification		刃數 Teeth	D	d	H	L
DL-	D6.0-50-3T-W	3	6.0	6	16	50
	D8.0-60-3T-W	3	8.0	8	20	60
	D10.0-75-3T-W	3	10.0	10	25	75
	D12.0-75-3T-W	3	12.0	12	30	75
	D16.0-100-3T-W	3	16.0	16	45	100
	D20.0-100-3T-W	3	20.0	20	45	100

特 點 / Feature

■適用于鋁合金的粗加工。■ Roughing for Aluminium Alloy.

■Work Piece Table ◎ Excellent ○ Good

Work Piece									
Carbon steel	Alloy steel	Pre-hardened steel、Hardened steel				Stainless steel	Cast iron, Nodular cast iron	Copper alloy	Aluminium alloy	Titanium alloy	Heat resistant alloy
		~40HRC	~50HRC	~55HRC	~68HRC						
									◎		

DP-2-E & DP-2-EL

被削材 Work Piece	鑄鐵/碳素鋼/合金鋼 Cast Iron/Carbon Steel/Alloy Steel ~ 30HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~ 40HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC		淬硬鋼 Hardened Steel ~55HRC	
D mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
1	20000	200	20000	60	20000	165	20000	120	20000	90
2	15000	320	11150	85	15000	285	13000	180	11140	130
3	14000	545	7500	120	10600	420	8500	330	7430	240
4	10800	560	5500	135	8000	425	6500	335	5570	245
5	8200	585	4500	135	6400	445	5000	355	4460	260
6	7000	600	3700	140	5300	465	4200	260	3710	260
8	5200	595	2800	140	4000	455	3200	365	2785	270
10	4200	585	2200	140	3200	445	2500	350	2230	250
12	3500	585	1850	140	2650	445	2100	350	1855	250
14	3000	545	1600	135	2300	420	1800	330	1590	240
16	2600	545	1400	120	2000	420	1600	330	1390	240
18	2300	535	1250	120	1800	415	1400	325	1240	235
20	2050	535	1100	120	1600	415	1250	325	1115	235

DP-4-G-E & DP-4-G-EL（普通加工）

被削材 Work Piece	鑄鐵/碳素鋼/合金鋼 Cast Iron/Carbon Steel/Alloy Steel ~ 30HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~ 40HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC		淬硬鋼 Hardened Steel ~55HRC	
D mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
1	20000	270	20000	95	20000	215	2000	135	20000	120
2	15000	435	11150	110	15000	380	13000	200	11140	175
3	14000	735	7500	135	10600	565	8500	370	7430	325
4	10800	755	5500	140	8000	575	6500	380	5570	335
5	8200	795	4500	140	6400	605	5000	400	4460	350
6	7000	810	3700	145	5300	620	4200	405	3710	350
8	5200	800	2800	145	4000	615	3200	415	2785	365
10	4200	795	2200	145	3200	605	2500	390	2230	340
12	3500	795	1850	145	2650	605	2100	390	1855	340
14	3000	735	1600	140	2300	565	1800	370	1590	325
16	2600	735	1400	135	2000	565	1600	370	1390	325
18	2300	720	1250	115	1800	555	1400	365	1240	315
20	2050	720	1100	115	1600	555	1250	365	1115	315

DP-4-G-E & DP-4-G-EL（高速側銑加工) Profiling At High Speed

被削材 Work Piece	鑄鐵/碳素鋼/合金鋼 Cast Iron/Carbon Steel/Alloy Steel ~30HRC		碳素鋼/合金鋼 Steel/Alloy Steel ~40HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~45HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC		淬硬鋼 Hardened Steel ~55HRC	
切削速度 (Cutting Speed)	300m/min		250m/min		200m/min		150m/min		100m/min	
D mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
6	15915	1535	13260	1280	10600	1020	7960	765	5300	515
8	11935	1530	9950	1260	7960	1020	5970	765	3980	515
10	9550	1450	7960	1245	6370	1000	4775	750	3180	495
12	7960	1450	6630	1245	5300	1000	3980	750	2650	495
14	6820	1390	5685	1160	4550	930	3410	810	2275	465
16	5970	1390	4975	1160	3980	930	2985	810	1990	465
18	5305	1390	4420	1160	3540	930	2650	810	1770	465
20	4775	1390	3980	1160	3180	930	2390	810	1590	465

DP-4-E & DP-4-EL（普通加工）

被削材 Work Piece	鑄鐵/碳素鋼/合金鋼 Cast Iron/Carbon Steel/Alloy Steel ~30HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC		淬硬鋼 Hardened Steel ~55HRC	
D mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
1	20000	300	20000	108	20000	240	20000	180	20000	135
2	15000	480	11150	120	15000	420	13000	270	11140	195
3	14000	815	7500	145	10600	630	8500	495	7430	360
4	10800	840	5500	150	8000	645	6500	505	5570	370
5	8200	875	4500	150	6400	675	5000	530	4460	390
6	7000	900	3700	165	5300	690	4200	540	3710	390
8	5200	890	2800	165	4000	680	3200	555	2785	405
10	4200	875	2200	165	3200	675	2500	525	2230	375
12	3500	875	1850	165	2650	675	2100	525	1855	375
14	3000	815	1600	150	2300	630	1800	495	1590	360
16	2600	815	1400	145	2000	630	1600	495	1390	360
18	2300	805	1250	125	1800	620	1400	485	1240	350
20	2050	805	1100	125	1600	620	1250	485	1115	350

DP-4-E & DP-4-EL（高速側銑加工）Profiling At High Speed

被削材 Work Piece	鑄鐵/碳素鋼/合金鋼 Cast Iron/Carbon Steel/Alloy Steel ~30HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC		淬硬鋼 Hardened Steel ~55HRC	
D mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
6	15915	1705	13260	1420	10600	1135	7960	850	5300	570
8	11935	1700	9950	1400	7960	1130	5970	850	3980	570
10	9550	1660	7960	1380	6370	1110	4775	830	3180	550
12	7960	1660	6630	1380	5300	1110	3980	830	2650	550
14	6820	1545	5685	1290	4550	1030	3410	900	2275	515
16	5970	1545	4975	1290	3980	1030	2985	900	1990	515
18	5305	1545	4420	1290	3540	1030	2650	900	1770	515
20	4775	1545	3980	1290	3180	1030	2390	900	1590	515

DP-2-B & DP-2-BL（高速切削）Cutting At High Speed

被削材 Work Piece	鑄鐵/碳素鋼/合金鋼 Cast Iron/Carbon Steel/Alloy Steel ~30HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~45HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC		淬硬鋼 Hardened Steel ~55HRC	
D mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
R3.0	15000	4800	11500	2750	9500	2250	7960	1885	6370	1510
R4.0	11500	3650	8950	2100	7150	1700	5970	1420	4775	1135
R5.0	9500	3000	7150	1700	5700	1350	4775	1130	3820	905
R6.0	7950	2500	5950	1400	4750	1100	3980	920	3180	735
R8.0	5950	1900	4450	1050	3550	850	2985	760	2390	610
R10.0	4750	1500	3550	850	2850	680	2390	570	1910	455

DP-4-B & DP-4-BL

被削材	鑄鐵/球墨鑄鐵 Cast Iron/Ball Cast Iron		不銹鋼 Stainless Steel		碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC	
D mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
R1.5	15500	2055	7400	625	10600	975	8500	600	7430	525
R2.0	11500	2055	5550	795	8000	1190	6500	800	5570	685
R2.5	9500	2270	4450	795	6400	1190	5000	810	4455	720
R3.0	8000	2270	3700	840	5300	1245	4200	840	3715	745
R4.0	6000	2810	2750	985	4000	1515	3200	950	2785	825
R5.0	4800	2595	2200	925	3200	1405	2500	950	2230	825
R6.0	4000	2375	1850	925	2650	1320	2100	905	1855	800
R8.0	3000	2270	1350	815	2000	1295	1600	810	1395	705
R10.0	2400	2055	1100	795	1600	1200	1250	715	1115	740

DP-2-R

被削材 Work Piece	碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~45HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC		淬硬鋼 Hardened Steel ~55HRC	
D mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
1	20000	240	20000	75	20000	195	20000	145	20000	95
2	15000	385	11150	100	15000	335	13000	215	11140	130
3	14000	655	7500	145	10600	505	8500	395	7430	245
4	10800	675	5500	155	8000	515	6500	405	5570	245
5	8200	695	4500	155	6400	540	5000	425	4460	260
6	7000	720	3700	170	5300	555	4200	435	3710	260
8	5200	720	2800	170	4000	555	3200	440	2785	275
10	4200	695	2200	170	3200	535	2500	420	2230	255
12	3500	695	1850	170	2650	535	2100	420	1855	255

DP-4-R

被削材 Work Piece	碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~45HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC		淬硬鋼 Hardened Steel ~55HRC	
D mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
3	14000	985	7500	175	10600	755	8500	590	7430	435
4	10800	1010	5500	175	8000	770	6500	600	5570	445
5	8200	1055	4500	175	6400	805	5000	640	4460	470
6	7000	1080	3700	195	5300	830	4200	650	3710	470
8	5200	1070	2800	195	4000	815	3200	660	2785	485
10	4200	1055	2200	195	3200	805	2500	625	2230	450
12	3500	1055	1850	195	2650	805	2100	625	1855	450
16	2600	985	1400	175	2000	755	1600	590	1390	435

DG-2-E & DG-2-EL

被削材	鑄鐵/球墨鑄鐵 Cast Iron/Ball Cast Iron		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²		碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC	
D mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min
1	20000	165	20000	165	20000	135	20000	135	20000	50	20000	100
2	15000	265	15000	265	15000	240	15000	235	11150	70	13000	150
3	14000	455	14000	455	13000	420	10600	350	7500	100	8500	275
4	10800	465	10800	465	10000	430	8000	355	5500	110	6500	280
5	8200	485	8200	485	7600	450	6400	370	4500	110	5000	295
6	7000	500	7000	500	6400	460	5300	385	3700	115	4200	300
8	5200	495	5200	495	4800	455	4000	380	2800	115	3200	305
10	4200	485	4200	485	3800	450	3200	370	2200	115	2500	290
12	3500	485	3500	485	3200	450	2650	370	1850	115	2100	290
14	3000	455	3000	455	2700	420	2300	350	1600	110	1800	275
16	2600	455	2600	455	2400	420	2000	350	1400	100	1600	275
18	2300	445	2300	445	2100	410	1800	345	1250	100	1400	270
20	2050	445	2050	445	1900	410	1600	345	1100	100	1250	270

DG-4-G-E & DG-4-G-EL

被削材	鑄鐵/球墨鑄鐵 Cast Iron/Ball Cast Iron		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²		碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC	
D mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min
1	20000	225	20000	225	20000	180	20000	180	20000	80	20000	135
2	15000	360	15000	360	15000	325	15000	315	11150	90	13000	200
3	14000	610	14000	610	13000	570	10600	470	7500	110	8500	370
4	10800	630	10800	630	10000	575	8000	480	5500	115	6500	380
5	8200	660	8200	660	7600	600	6400	505	4500	115	5000	400
6	7000	675	7000	675	6400	620	5300	515	3700	120	4200	405
8	5200	665	5200	665	4800	610	4000	510	2800	120	3200	415
10	4200	660	4200	660	3800	600	3200	505	2200	120	2500	390
12	3500	660	3500	660	3200	600	2650	505	1850	120	2100	390
14	3000	610	3000	610	2700	570	2300	470	1600	115	1800	370
16	2600	610	2600	610	2400	570	2000	470	1400	110	1600	370
18	2300	600	2300	600	2100	560	1800	460	1250	95	1400	365
20	2050	600	2050	600	1900	560	1600	460	1100	95	1250	365

DG-2-EP

被削材 Work Piece		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²			碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC			預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC			不銹鋼 Stainless Steel		
D mm	有效長度 Length	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	~ap mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	~ap mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	ap mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	ap mm
0.5	4	28000	500	0.023	28000	400	0.021	28000	250	0.018	25000	200	0.014
0.5	6	22000	400	0.007	22000	350	0.06	22000	150	0.005	20000	150	0.004
0.5	8	18000	300	0.005	18000	300	0.005	18000	150	0.004	20000	150	0.003
0.8	4	32000	900	0.057	32000	600	0.053	32000	600	0.044	25000	400	0.035
0.8	6	26000	700	0.036	26000	450	0.034	26000	400	0.028	21000	300	0.022
0.8	8	22000	500	0.026	22000	350	0.024	22000	300	0.02	18000	200	0.016
0.8	10	22000	500	0.01	22000	350	0.01	22000	300	0.008	18000	200	0.006
1.0	4	29000	1300	0.08	27000	1000	0.08	26000	900	0.07	20000	600	0.05
1.0	6	29000	1300	0.07	27000	1000	0.07	26000	900	0.06	20000	600	0.04
1.0	8	24000	900	0.05	23000	800	0.04	22000	700	0.04	18000	400	0.03
1.0	10	20000	700	0.03	19000	600	0.03	18000	500	0.03	15000	300	0.02
1.0	12	20000	700	0.02	19000	600	0.02	18000	500	0.02	15000	300	0.01
1.0	14	18000	500	0.015	15000	400	0.01	15000	360	0.01	12000	200	0.008
1.2	6	25000	1100	0.09	23000	1000	0.08	22000	900	0.07	17000	600	0.05
1.2	8	21000	900	0.07	20000	700	0.07	19000	700	0.05	14000	400	0.04
1.2	10	21000	900	0.06	20000	700	0.05	19000	700	0.04	14000	400	0.03
1.2	12	18000	700	0.04	17000	600	0.04	16000	500	0.03	11000	300	0.02
1.5	6	20000	1200	0.15	18000	1000	0.14	18000	900	0.11	14000	600	0.09
1.5	8	19000	900	0.11	16000	800	0.1	15000	700	0.08	12000	400	0.07
1.5	10	19000	900	0.09	16000	800	0.08	15000	700	0.06	12000	400	0.05
1.5	12	19000	900	0.07	16000	800	0.06	15000	700	0.05	12000	400	0.04
1.5	14	19000	700	0.06	16000	650	0.05	15000	630	0.04	12000	360	0.03
2.0	6	16000	1300	0.34	15000	1100	0.31	14000	1000	0.26	11000	700	0.21
2.0	8	16000	1300	0.29	15000	1100	0.26	14000	1000	0.22	11000	700	0.18
2.0	10	14000	900	0.26	13000	800	0.24	12000	700	0.20	9000	500	0.16
2.0	12	14000	900	0.14	13000	800	0.13	12000	700	0.11	9000	500	0.09
2.0	14	14000	900	0.1	13000	800	0.11	12000	700	0.09	9000	500	0.07
2.0	16	14000	900	0.08	13000	800	0.08	12000	700	0.07	9000	500	0.06
2.5	8	13000	1300	0.42	12000	1100	0.39	11000	1000	0.33	9000	700	0.26
2.5	10	13000	1300	0.36	12000	1100	0.33	11000	1000	0.28	9000	700	0.22
2.5	12	13000	1300	0.24	12000	1100	0.23	11000	1000	0.19	9000	700	0.15
2.5	14	12000	900	0.18	10000	800	0.17	9000	700	0.14	7000	500	0.11
2.5	16	12000	900	0.13	10000	800	0.12	9000	700	0.09	7000	500	0.08
2.5	18	12000	800	0.11	10000	720	0.10	9000	630	0.07	7000	450	0.07
2.5	20	12000	800	0.09	10000	720	0.08	9000	630	0.05	7000	450	0.05

DG-2-EP

被削材 Work Piece		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²			碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC			預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC			不銹鋼 Stainless Steel		
D mm	有效長度 Length	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ap mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ap mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ap mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ap mm
3.0	6	11000	1300	0.42	10000	1100	0.39	10000	1000	0.32	8000	700	0.27
3.0	8	11000	1300	0.39	10000	1100	0.36	10000	1000	0.30	8000	700	0.24
3.0	10	11000	1300	0.31	10000	1100	0.29	10000	1000	0.24	8000	700	0.19
3.0	12	11000	1100	0.29	10000	1000	0.27	10000	900	0.22	8000	650	0.16
3.0	14	11000	1100	0.27	10000	1000	0.25	10000	900	0.20	8000	650	0.15
3.0	16	10000	850	0.22	10000	750	0.20	9000	650	0.17	6000	450	0.13
3.0	18	10000	850	0.16	10000	750	0.14	9000	650	0.12	6000	450	0.10
3.0	20	10000	850	0.12	10000	750	0.10	9000	650	0.08	6000	450	0.07
4.0	12	8000	1300	0.42	7000	1100	0.38	7000	1000	0.32	6000	700	0.26
4.0	16	8000	1100	0.39	7000	1000	0.35	7000	900	0.30	6000	650	0.24
4.0	20	7000	900	0.34	7000	800	0.30	6000	700	0.27	5000	500	0.20
4.0	25	7000	900	0.30	7000	800	0.27	6000	700	0.24	5000	500	0.15
5.0	16	6000	1200	0.49	6000	1000	0.45	5000	1000	0.38	5000	600	0.30
5.0	25	5000	800	0.45	5000	720	0.42	5000	700	0.35	5000	600	0.25

DG-4-E & DG-4-EL

被削材 Work Piece	鑄鐵/球墨鑄鐵 Cast Iron/Ball Cast Iron		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²		碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC	
D mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min
1	20000	250	20000	250	20000	200	20000	200	20000	90	20000	150
2	15000	400	15000	400	15000	360	15000	350	11150	100	13000	225
3	14000	680	14000	680	13000	630	10600	525	7500	120	8500	410
4	10800	700	10800	700	10000	640	8000	535	5500	125	6500	420
5	8200	730	8200	730	7600	670	6400	560	4500	125	5000	440
6	7000	750	7000	750	6400	690	5300	575	3700	135	4200	450
8	5200	740	5200	740	4800	680	4000	565	2800	135	3200	460
10	4200	730	4200	730	3800	670	3200	560	2200	135	2500	435
12	3500	730	3500	730	3200	670	2650	560	1850	135	2100	435
14	3000	680	3000	680	2700	630	2300	525	1600	125	1800	410
16	2600	680	2600	680	2400	630	2000	525	1400	120	1600	410
18	2300	670	2300	670	2100	620	1800	515	1250	105	1400	405
20	2050	670	2050	670	1900	620	1600	515	1100	105	1250	405

DG-2-ES

被削材 Work Piece	鑄鐵/球墨鑄鐵 Cast Iron/Ball Cast Iron		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²		碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		不銹鋼 Stainless Steel	
D mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min
0.3	32000	115	32000	115	32000	115	32000	80	32000	40
0.4	32000	125	32000	125	32000	125	32000	90	27500	50
0.5	32000	125	32000	125	29500	125	25000	90	22000	50
0.6	32000	125	32000	125	24500	125	21000	90	18500	50
0.7	32000	125	32000	125	24500	125	21000	90	18500	50
0.8	24500	125	24500	125	18500	125	15500	90	13500	50
0.9	24500	125	24500	125	18500	125	15500	90	13500	50
1.0	21000	140	25000	165	16800	130	14500	90	10000	50
1.5	13000	140	15000	165	11800	130	10000	90	7000	50
2.0	13000	160	15000	185	11800	145	10000	100	7000	60
2.5	8700	200	10000	240	8200	185	6600	100	4700	60
3.0	8700	235	10000	270	8200	220	6600	100	4700	75

DG-2-B & DG-2-BL

被削材 Work Piece	鑄鐵/球墨鑄鐵 Cast Iron/Ball Cast Iron		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²		碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC	
D mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min
R0.5	40000	800	40000	800	38000	700	32000	320	22300	200	25000	275
R1.0	24000	900	24000	900	19000	760	16000	400	11150	230	13000	275
R1.5	15500	950	15500	950	12750	760	10600	450	7400	290	8500	280
R2.0	11500	950	11500	950	9550	760	8000	550	5550	370	6500	370
R2.5	9500	1050	9500	1050	7650	800	6400	550	4450	370	5000	375
R3.0	8000	1050	8000	1050	6400	800	5300	580	3700	390	4200	390
R4.0	6000	1300	6000	1300	4800	950	4000	700	2750	455	3200	440
R5.0	4800	1200	4800	1200	3800	900	3200	650	2200	430	2500	440
R6.0	4000	1100	4000	1100	3200	840	2650	610	1850	430	2100	420
R8.0	3000	1050	3000	1050	2400	800	2000	600	1350	380	1600	375
R10.0	2400	950	2400	950	1900	680	1600	560	1100	370	1250	330

DG-4-B

被削材 Work Piece	鑄鐵/球墨鑄鐵 Cast Iron/Ball Cast Iron		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²		碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC	
切削速度	150m/min		150m/min		150m/min		150m/min		150m/min		150m/min	
D mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min
R1.5	15500	1710	15500	1710	12750	1340	10600	810	7400	520	8500	500
R2.0	11500	1710	11500	1710	9550	1340	8000	990	5550	660	6500	665
R2.5	9500	1890	9500	1890	7650	1440	6400	990	4450	660	5000	675
R3.0	8000	1890	8000	1890	6400	1440	5300	1040	3700	700	4200	700
R4.0	6000	2340	6000	2340	4800	1710	4000	1260	2750	820	3200	790
R5.0	4800	2160	4800	2160	3800	1620	3200	1170	2200	770	2500	790
R6.0	4000	1980	4000	1980	3200	1510	2650	1100	1850	770	2100	755
R8.0	3000	1890	3000	1890	2400	1440	2000	1080	1350	680	1600	675
R10.0	2400	1710	2400	1710	1900	1220	1600	1000	1100	660	1250	595

DG-2-BS

被削材 Work Piece	鑄鐵/球墨鑄鐵 Cast Iron/Ball Cast Iron		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²		碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		不銹鋼 Stainless Steel	
D mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min
R0.15	32000	300	32000	300	32000	270	32000	250	32000	150
R0.2	32000	380	32000	380	32000	320	32000	300	32000	175
R0.25	32000	460	32000	460	32000	410	32000	330	32000	205
R0.3	32000	535	32000	535	32000	500	32000	420	32000	265
R0.35	32000	550	32000	550	32000	520	32000	440	32000	270
R0.4	32000	610	32000	610	32000	560	32000	460	27500	285
R0.45	32000	700	32000	700	32000	600	25000	400	27500	285
R0.50	32000	765	32000	765	32000	640	25000	400	22000	285
R1.0	24000	900	24000	900	19000	760	16000	400	11150	230
R1.5	15500	950	15500	950	12750	760	10600	450	7400	290

DG-2-BP

被削材 Work Piece		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²				碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC				預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC				不銹鋼 Stainless Steel			
D mm	有效長度 Length	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ae mm	ap mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ae mm	ap mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ae mm	ap mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ae mm	ap mm
R0.25	4	27000	400	0.025	0.02	27000	380	0.025	0.02	27000	300	0.025	0.02	27000	200	0.025	0.02
R0.25	6	21000	200	0.015	0.01	21000	180	0.015	0.01	21000	160	0.015	0.01	21000	150	0.015	0.01
R0.3	4	27000	400	0.12	0.03	27000	380	0.12	0.03	25000	250	0.12	0.03	24000	200	0.12	0.03
R0.3	6	25000	300	0.12	0.03	25000	280	0.12	0.03	20000	150	0.12	0.03	20000	140	0.12	0.03
R0.3	8	25000	240	0.12	0.03	25000	225	0.12	0.03	20000	120	0.12	0.03	20000	110	0.12	0.03
R0.4	4	27000	600	0.16	0.04	27000	550	0.16	0.04	23000	450	0.16	0.04	21000	300	0.16	0.04
R0.4	6	24000	400	0.12	0.04	24000	360	0.12	0.04	21000	250	0.12	0.04	19000	200	0.12	0.04
R0.4	8	22000	300	0.12	0.04	22000	270	0.12	0.04	19000	150	0.12	0.04	19000	140	0.12	0.04
R0.4	10	22000	270	0.09	0.03	22000	250	0.09	0.03	19000	135	0.09	0.03	19000	120	0.09	0.03
R0.5	4	28000	600	0.20	0.05	28000	550	0.20	0.05	25000	500	0.20	0.05	21000	300	0.20	0.05
R0.5	6	21000	400	0.20	0.05	21000	360	0.20	0.05	19000	300	0.20	0.05	16000	200	0.20	0.05
R0.5	8	21000	360	0.15	0.05	21000	320	0.15	0.05	19000	270	0.15	0.05	16000	180	0.15	0.05
R0.5	10	18000	300	0.10	0.03	18000	270	0.10	0.03	17000	200	0.10	0.03	14000	150	0.10	0.03
R0.5	12	18000	270	0.10	0.03	18000	250	0.10	0.03	17000	180	0.10	0.03	14000	135	0.10	0.03
R0.6	6	20000	600	0.24	0.06	20000	540	0.24	0.06	17000	300	0.24	0.06	14000	200	0.24	0.06
R0.6	8	20000	540	0.24	0.06	20000	500	0.24	0.06	17000	270	0.24	0.06	14000	170	0.24	0.06
R0.6	12	16000	300	0.18	0.06	16000	270	0.18	0.06	14000	200	0.18	0.06	11000	150	0.18	0.06
R0.6	16	16000	270	0.12	0.03	16000	230	0.12	0.03	14000	175	0.12	0.03	11000	135	0.12	0.03
R0.75	8	17000	600	0.30	0.08	17000	540	0.30	0.08	15000	300	0.30	0.08	12000	250	0.30	0.08
R0.75	12	17000	540	0.24	0.06	17000	500	0.24	0.06	15000	275	0.24	0.06	12000	225	0.24	0.06
R0.75	16	13000	300	0.16	0.04	13000	275	0.16	0.04	12000	200	0.16	0.04	9500	150	0.16	0.04
R1.0	6	16500	800	0.40	0.10	16500	750	0.40	0.10	16500	560	0.40	0.10	13500	450	0.40	0.10
R1.0	8	16500	800	0.32	0.10	16500	750	0.32	0.10	16500	560	0.32	0.10	13500	450	0.32	0.10
R1.0	10	14000	630	0.30	0.08	14000	600	0.30	0.08	13000	450	0.30	0.08	10000	270	0.30	0.08
R1.0	12	14000	630	0.30	0.06	14000	600	0.30	0.06	13000	450	0.30	0.06	10000	270	0.30	0.06
R1.0	16	14000	550	0.24	0.06	14000	530	0.24	0.06	13000	400	0.24	0.06	10000	270	0.24	0.06
R1.0	20	14000	360	0.16	0.06	14000	330	0.16	0.06	10000	225	0.16	0.06	8000	175	0.16	0.06
R1.25	8	14000	800	0.10	0.32	14000	750	0.10	0.32	14000	560	0.10	0.32	12500	450	0.10	0.32
R1.25	12	13000	630	0.06	0.30	13000	600	0.06	0.30	12000	450	0.06	0.30	10000	270	0.06	0.30
R1.25	16	13000	550	0.06	0.24	13000	530	0.06	0.24	12000	400	0.06	0.24	10000	270	0.06	0.24
R1.25	20	10000	360	0.06	0.16	10000	330	0.06	0.16	8000	225	0.06	0.06	7000	175	0.06	0.16
R1.5	10	12000	800	0.15	0.40	12000	720	0.15	0.40	9500	600	0.15	0.40	7500	400	0.15	0.40
R1.5	12	12000	720	0.15	0.40	12000	650	0.15	0.40	9500	540	0.15	0.40	7500	360	0.15	0.40
R1.5	16	10000	600	0.15	0.40	10000	540	0.15	0.40	8500	300	0.15	0.40	6500	250	0.15	0.40
R1.5	20	10000	600	0.10	0.32	10000	540	0.10	0.32	8500	300	0.10	0.32	6500	250	0.10	0.32
R2.0	10	9000	800	0.20	0.80	9000	720	0.20	0.80	7500	600	0.20	0.80	6000	400	0.20	0.80
R2.0	16	9000	800	0.20	0.60	9000	720	0.20	0.60	7500	600	0.20	0.60	6000	400	0.20	0.60

DG-2-BP

被削材 Work Piece		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²				碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC				預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC				不銹鋼 Stainless Steel			
D mm	有效長度 Length	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ae mm	ap mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ae mm	ap mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ae mm	ap mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	ae mm	ap mm
R2.0	20	7000	600	0.20	0.40	7000	540	0.20	0.40	6000	400	0.20	0.40	5000	250	0.20	0.40
R2.0	25	7000	600	0.15	0.40	7000	540	0.15	0.40	6000	400	0.15	0.40	5000	250	0.15	0.40
R2.5	16	7000	600	0.25	1.00	7000	540	0.25	0.10	6500	500	0.25	1.00	5000	400	0.25	1.00
R2.5	25	6000	500	0.25	1.00	6000	450	0.25	1.00	5000	500	0.25	1.00	4000	250	0.25	1.00

DG-2-R

被削材 Work Piece	鑄鐵/球墨鑄鐵 Cast Iron/Ball Cast Iron		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²		碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC	
D mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min
1	20000	200	20000	200	20000	160	20000	160	20000	60	20000	120
2	15000	320	15000	320	15000	290	15000	280	11150	84	13000	180
3	14000	545	14000	545	13000	510	10600	420	7500	120	8500	330
4	10800	560	10800	560	10000	520	8000	430	5500	130	6500	335
5	8200	580	8200	580	7600	540	6400	450	4500	130	5000	355
6	7000	600	7000	600	6400	550	5300	460	3700	140	4200	360
8	5200	600	5200	600	4800	550	4000	460	2800	140	3200	365
10	4200	580	4200	580	3800	540	3200	445	2200	140	2500	350
12	3500	580	3500	580	3200	540	2650	445	1850	140	2100	350

DG-4-R & DG-4-RL

被削材 Work Piece	鑄鐵/球墨鑄鐵 Cast Iron/Ball Cast Iron		碳素鋼/合金鋼 Carbon Steel/Alloy Steel 750N/mm²		碳素鋼/合金鋼 Carbon Steel/Alloy Steel ~30HRC		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40HRC		不銹鋼 Stainless Steel		預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~50HRC	
D mm	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min	回轉數 No Load RPM min⁻¹	進給速度 Feed Speed mm/min
3	14000	820	14000	820	13000	755	10600	630	7500	145	8500	490
4	10800	840	10800	840	10000	770	8000	640	5500	145	6500	500
5	8200	880	8200	880	7600	810	6400	670	4500	145	5000	530
6	7000	900	7000	900	6400	830	5300	690	3700	160	4200	540
8	5200	890	5200	890	4800	815	4000	680	2800	160	3200	550
10	4200	880	4200	880	3800	810	3200	670	2200	160	2500	520
12	3500	880	3500	880	3200	810	2650	670	1850	160	2100	520
16	2600	680	2600	680	2400	630	2000	525	1400	120	1600	490

DH-4-E & DH-4-EL

被削材 Work Piece	預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40-50HRC		淬硬鋼 Hardened Steel ~50~60HRC		淬硬鋼 Hardened Steel ~60~68HRC	
D mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
1	40000	320	40000	320	32000	260
2	40000	800	24000	480	16000	320
3	32000	1020	16000	510	11000	350
4	24000	1250	12000	620	8000	420
5	19000	1360	9500	680	6400	460
6	16000	1540	8000	770	5300	510
8	12000	1540	6000	770	4000	510
10	9600	1540	4800	770	3200	510
12	8000	1600	4000	800	2700	540
14	6800	1340	3400	680	2300	460
16	6000	1200	3000	600	2000	400
18	5300	1060	2700	530	1800	360
20	4800	960	2400	480	1600	320

DH-2-B & DH-2-BL

被削材 Work Piece	預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40-50HRC				淬硬鋼 Hardened Steel ~50~60HRC				淬硬鋼 Hardened Steel ~60~68HRC			
D mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	ae mm	ap mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	ae mm	ap mm	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	ae mm	ap mm
R0.5	40000	1900	0.05	0.01	36000	1500	0.05	0.01	32000	1400	0.05	0.01
R1.0	33000	3100	0.075	0.02	26000	2100	0.075	0.02	24000	2000	0.075	0.02
R1.5	29000	4100	0.1	0.03	23000	2900	0.1	0.03	21000	2600	0.1	0.03
R2.0	22000	3900	0.15	0.04	17000	2500	0.15	0.04	15500	2100	0.15	0.04
R2.5	17500	3500	0.15	0.05	13500	2200	0.15	0.05	13000	2000	0.15	0.05
R3.0	15000	3100	0.2	0.06	11500	1700	0.2	0.06	10500	1500	0.2	0.06
R4.0	11000	2500	0.25	0.08	8600	1600	0.25	0.08	8000	1400	0.25	0.08
R5.0	9000	2000	0.3	0.1	7000	1400	0.3	0.1	6000	1200	0.3	0.1
R6.0	7500	1800	0.35	0.1	5700	1300	0.35	0.1	5300	1200	0.35	0.1
R8.0	5500	1800	0.4	0.1	4300	1300	0.4	0.1	4000	1200	0.4	0.1
R10.0	4500	1800	0.5	0.1	3500	1300	0.5	0.1	3200	1200	0.5	0.1

DH-4-R & DH-4-RF & DH-4-RP

被削材 Work Piece / 切削速度 D mm	預硬鋼/調制鋼 Pre-hardened Steel/Hardened Steel ~40-50HRC 300m/min		淬硬鋼 Hardened Steel ~50~60HRC 150m/min		淬硬鋼 Hardened Steel ~60~68HRC 100m/min	
	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
3	32000	1225	16000	610	11000	420
4	24000	1500	12000	745	8000	500
5	19000	1630	9500	815	6400	550
6	16000	1850	8000	925	5300	610
8	12000	1850	6000	925	4000	610
10	9600	1850	4800	925	3200	610
12	8000	1920	4000	960	2700	648
16	6000	1440	3000	720	2000	480

DL-2-E & DL-2-EL

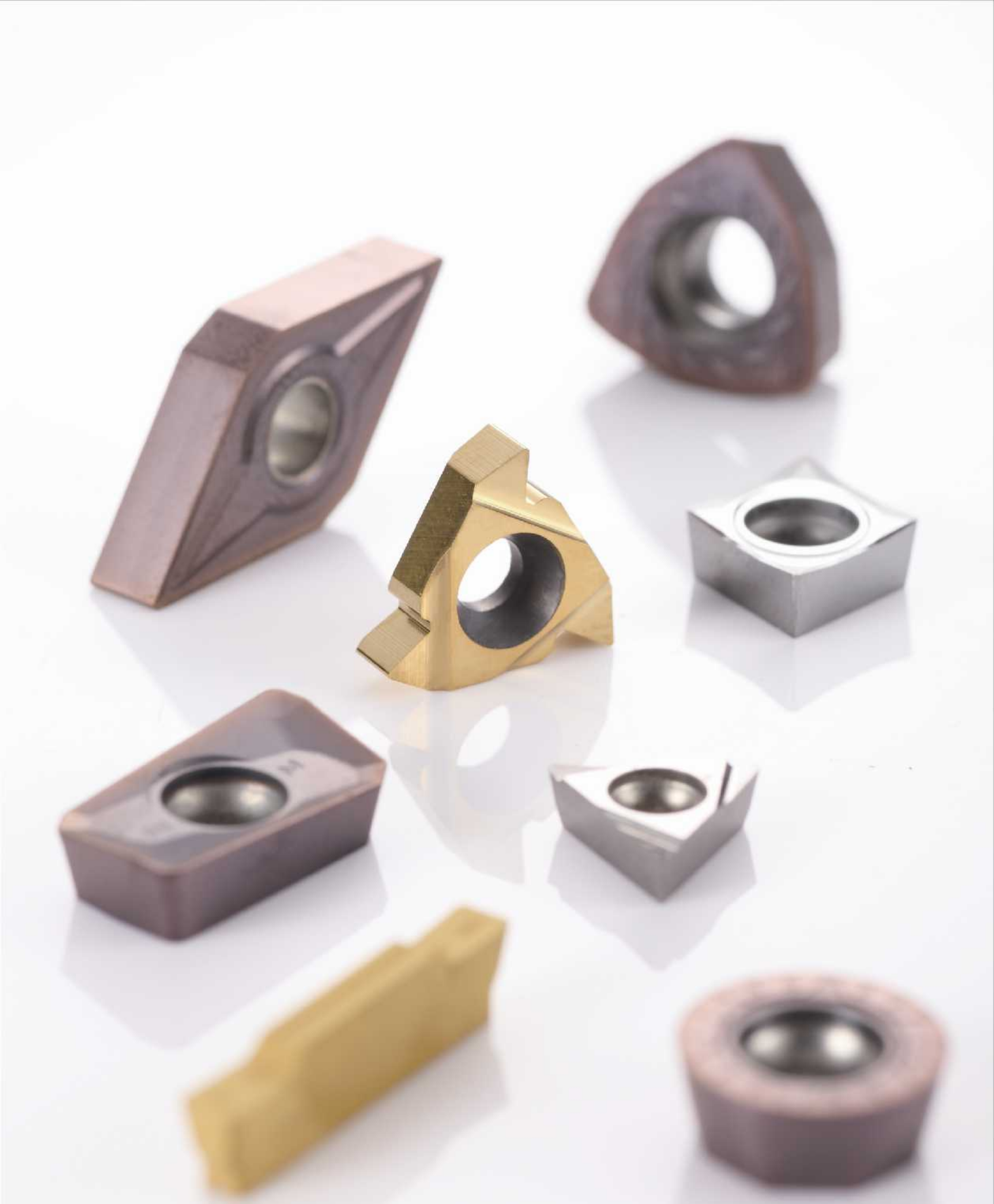
被削材 Work Piece / D mm	鋁合金 Aluminium Alloy		硅鋁合金Si≤10% Titanium Alloy	
	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
1	40000	650	40000	500
2	40000	950	32000	750
3	26500	1500	21000	1100
4	20000	1600	16000	1250
5	16000	1500	13000	1100
6	13000	1250	10600	1000
8	10000	1400	8000	1100
10	8000	1600	6500	1250
12	6600	1650	5300	1300
14	5700	1700	4600	1350
16	5000	1700	4000	1350
18	4400	1700	3500	1350
20	4000	1700	3200	1350

DL-3-E & DL-3-EL

被削材 Work Piece		鋁合金 Aluminium Alloy		硅鋁合金Si≤10% Titanium Alloy	
D mm		回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
1		40000	800	40000	600
2		40000	1200	32000	900
3		26500	1800	21000	1300
4		20000	2000	16000	1500
5		16000	1750	13000	1300
6		13000	1500	10600	1200
8		10000	1650	8000	1300
10		8000	1900	6500	1500
12		6600	1950	5300	1550
14		5700	2000	4600	1600
16		5000	2000	4000	1600
18		4400	2000	3500	1600
20		4000	2000	3200	1600

DL-2-B

被削材 Work Piece		鋁合金 Aluminium Alloy		硅鋁合金Si≤10% Titanium Alloy	
D mm		回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min	回轉數 No Load RPM min^{-1}	進給速度 Feed Speed mm/min
R1.0		40000	2000	32000	1600
R1.5		26500	1950	21000	1550
R2.0		20000	1950	16000	1550
R2.5		16000	1950	13000	1550
R3.0		13000	2000	10600	1600
R4.0		10000	2450	8000	2000
R5.0		8000	2200	6500	1750
R6.0		6600	2050	5300	1650



⊙RD型圓刀片

刀片形狀 Shape	型 號 Codes	刀片材質 Material	P	M	K	N	S	H
	RDMT10T3MOS-RP-G3R	MK-7020 MP-7025	●		●			
	RDMW1204MOS-RP-G3R	MP-7025 MK-7020	●		●			
	RDMW1204MO-RM-G4R	HP-7025	●		●			
	RDMW1204MO-RM-G5R	HP-7012	●	●	●		◎	●
	RDKW1604MO-RP-G3R	HP-7025 HP-7035	●		●			
	RDKW1604MO-RM-G5R	HP-7012	●	●	●		◎	●

備注：●表示適用于加工材料 ◎表示可用于加工材料　　●Excellent ◎Good

⊙RD型 推薦切削參數　RD Insert Cutting Data

被加工材料 Work Piece	硬度 Hardness	刀片材質 Material	切削速度 Vc(m/min)	進給/刃fz (mm/Feed)	切深Ap(mm) 3.5R	4R	5R	6R	8R
碳素鋼 Carbon Steel	160-260HB	7025 7035	120-180	0.6-1.5	0.1-0.3	0.3-0.6	0.4-1.0	1.0-1.5	1.0-2.0
預硬鋼 Pre-hardered Steel	280-400HB	7012 7020 7025	100-160	0.6-1.5	0.1-0.3	0.3-0.6	0.3-0.8	0.6-1.2	0.8-1.5
淬火鋼 Hardered Steel	40-55HRC	7005 7012 7020	80-150	0.3-0.8	0.05-0.2	0.2-0.4	0.2-0.5	0.3-0.8	0.6-1.2
淬火鋼 Hardered Steel	55HRC	7005 7012	60-80	0.2-0.6	0.05-0.2	0.1-0.3	0.2-0.4	0.2-0.5	0.4-0.8
不銹鋼 Stainless Steel	150-250HB	7012	80-150	0.3-0.8	0.05-0.2	0.1-0.3	0.2-0.5	0.5-1.0	0.6-1.2
灰鑄鐵，球墨鑄鐵 Cast Iron	170-300HB	7012 7020 7025	120-180	0.5-1.5	0.1-0.3	0.3-0.6	0.4-1.0	0.8-1.5	1.0-2.0

1）根據機床剛性及加工狀況不同，以上參數可適當調整。
2）如發生振動，推薦降低切深或主軸轉速，請不要改變每刃進給量。
3）如機床剛性不足，首先推薦降低切深，然後再降低主軸轉速以及進給。
4）使用冷風吹走鐵屑，特別是立式加工深型腔時，需充分注意鐵屑的處理。

⊙RDMT10T3MOS-RP-G3R

被加工材料 Work Material	名稱	Name	日用品	
	材質	Material	45#調質	
	硬度	Hardness	HRC28	
			他司 A Company	DEREK刀片
刀具 Tooling	刀柄型號	Tool Holder	BT50-MLC32-110	BT50-MLC32-110
	刀杆型號	Milling Cutter	TRS-C24-5R25-200	TRS-C24-5R25-200
	刀片型號	Insert Codes	他司刀片 A Company Insert	RDMT10T3MOS-RP-G3R
切削條件 Cutting Data	切削速度	Vc m/min	150m/min	150m/min
	進給	F mm/min	2000mm/min	2200mm/min
	切削深度	Ap mm	0.6mm	0.6mm
	冷却方式	Cooling	氣冷 Air	氣冷 Air
結果 Results	共加工時間	Service Time	2小時 1 H 40 Mins	3小時45分鐘 2 Hrs 25 Mins
	加工狀況	Performance	良好 Good	良好 Good
	DEREK刀片在進給提高的同時，加工時間爲3小時45分鐘，壽命比同類產品高出1.5倍以上。			

⊙RDMW1204MO-RP-G3R

被加工材料 Work Material	名稱	Name	汽車配件	
	材質	Material	模具鋼	
	硬度	Hardness	HRC26	
			他司 A Company	DEREK刀片
刀具 Tooling	刀柄型號	Tool Holder	BT50-FMB22-150	BT50-FMB22-150
	刀杆型號	Milling Cutter	TRS-6R63-22-4T	TRS-6R63-22-4T
	刀片型號	Insert Codes	他司刀片 A Company Insert	RDMW1204MO-RP-G3R
切削條件 Cutting Data	切削速度	Vc m/min	140m/min	140m/min
	進給	F mm/min	2000mm/min	2800mm/min
	切削深度	Ap mm	0.6mm	0.6mm
	冷却方式	Cooling	幹式切削 Dry	幹式切削 Dry
結果 Results	共加工時間	Service Time	3小時20分鐘 1 H 50 Mins	4小時35分鐘 2 Hrs 40 Mins
	加工狀況	Performance	良好 Good	良好 Good
	DEREK刀片相比其它公司刀片進給提高的同時，壽命比原來的3小時20分提高到4小時35分鐘。			

⊙RDMW1204MO-RM-G5R

被加工材料 Work Material	名稱	Name	車燈模具型腔	
	材質	Material	2738淬硬	
	硬度	Hardness	HRC35-37	
			他司 A Company	DEREK刀片
刀具 Toolings	刀柄型號	Tool Holder	BT50-FMB22-150	BT50-FMB22-150
	刀杆型號	Milling Cutter	TRS-6R63-22-4T	TRS-6R63-22-4T
	刀片型號	Insert Codes	他司刀片 A Company Insert	RDMW1204MO-RM-G5R
切削條件 Cutting Data	切削速度	Vc m/min	100m/min	125m/min
	進給	F mm/min	1200mm/min	3000mm/min
	切削深度	Ap mm	0.6mm	0.6mm
	冷却方式	Cooling	幹式切削 Dry	幹式切削 Dry
結果 Results	共加工時間	Service Time	35分鐘 35 Mins	1小時20分鐘 1 Hrs 20 Mins
	加工狀況	Performarce	良好 Good	良好 Good
	在高硬度加工時，相比其它公司刀片進給提高1.6倍，壽命由原來的35分鐘提高到1小時20分鐘，并且切削噪音小。			

⊙RDKW1604MO-RP-G3R

被加工材料 Work Material	名稱	Name	保險杠凸模	
	材質	Material		45#
	硬度	Hardness		HRC26
			他司 A Company	DEREK刀片
刀 具 Tooling	刀柄型號	Tool Holder	BT50-FMB22-150	BT50-FMB22-150
	刀杆型號	Milling Cutter	TRS-8R63-22-4T	TRS-8R63-22-4T
	刀片型號	Insert Codes	他司刀片 A Company Insert	RDKW1604MO-RP-G3R
切削條件 Cutting Data	切削速度	Vc m/min	150m/min	150m/min
	進給	F mm/min	2800mm/min	3800mm/min
	切削深度	Ap mm	1mm	1mm
	冷却方式	Cooling	氣冷 Air	氣冷 Air
結 果 Results	共加工時間	Service Time	3小時25分鐘 3 Hrs 25 Mins	4小時48分鐘 4 Hrs 48 Mins
	加工狀況	Performance	良好 Good	良好 Good
	與其它公司同類產品相比，進給速度比原先提高1.35倍，壽命提高1.4倍，降低客户使用成本。			

⊙RDKW1604MO-RM-G5R

被加工材料 Work Material	名稱	Name	汽車儀表盤凸起	
	材質	Material		鍛打718
	硬度	Hardness		HRC32
			他司 A Company	DEREK刀片
刀 具 Tooling	刀柄型號	Tool Holder	BT50-FMB22-150	BT50-FMB22-150
	刀杆型號	Milling Cutter	TRS-8R63-22-4T	TRS-8R63-22-4T
	刀片型號	Insert Codes	他司刀片 A Company Insert	RDKW1604MO-RM-G5R
切削條件 Cutting Data	切削速度	Vc m/min	125m/min	125m/min
	進給	F mm/min	3000mm/min	3000mm/min
	切削深度	Ap mm	1mm	1mm
	冷却方式	Cooling	氣冷 Air	氣冷 Air
結 果 Results	共加工時間	Service Time	2小時 2 Hrs	3小時 3 Hrs
	加工狀況	Performance	良好 Good	良好 Good
	DEREK刀片在此加工狀態下，韌性和抗擊衝擊性都要優于他司刀片，使用壽命比他司刀片高出1.5倍，明顯的提高了加工效率。			

⊙RP型圓刀片

刀片形狀 Shape	型 號 Codes	刀片材質 Material	P	M	K	N	S	H
	RPMW0802MO-RP-G3R	HP-7025 HP-7035	●		●			
	RPMW1003MO-RP-G3R	HP-7025 HP-7035	●		●			
	RPMW0802MO-RM-G5R	HP-7012	●	●	●		◎	●
	RPMW1003MO-RM-G5R	HP-7012	●	●	●		◎	●
	RPMT10T3MOS-RP-G3R	MP-7025	●		●			
	RPMT10T3MOS-RM-G5R	MP-7012	●	●	●		◎	●
	RPMW1204MO-RM-G5R	HP-7012	●	●	●		◎	●
	RPMT1204MOS-RM-G5R	MP-7012	●	●	●		◎	●
	RPMW1204MO-RP-G3R	HP-7025	●		●			
	RPMT1204MOS-RP-G3R	MP-7025	●		●			

備注：●表示適用于加工材料 ◎表示可用于加工材料 ●Excellent ◎Good

⊙RP型 推薦切削參數 RP Insert Cutting Data

被加工材料 Work Piece	硬度 Hardness	刀片材質 Material	切削速度 Vc(m/min)	進給/刃fz (mm/Feed)	切深Ap(mm) 4R	5R	6R
碳素鋼 Carbon Steel	180-250HB	7012 7025 7030 7035	120-180	0.6-1.5	0.3-0.6	0.4-1.0	1.0-1.5
工具鋼，模具鋼 Tool steel, die steel	180-280HB	7012 7025	100-160	0.6-1.5	0.3-0.6	0.4-1.0	0.8-1.2
預硬鋼 Pre-hardered Steel	280-400HB	7012 7020	80-150	0.5-1.2	0.2-0.4	0.3-0.6	0.6-1.2
淬火鋼 Hardered Steel	150-250HB	7021 7030	80-150	0.3-0.8	0.1-0.3	0.2-0.5	0.5-1.0
灰鑄鐵 Cast Iron	150-250HB	7012 7020 7025	120-220	0.6-1.5	0.3-0.6	0.4-1.0	1.0-1.5
球墨鑄鐵 Cast Iron	170-300HB	7012 7020 7025	120-180	0.6-1.5	0.3-0.6	0.4-1.0	1.0-1.5

1）根據機床剛性及加工狀況不同，以上參數可適當調整。
2）如發生振動，推薦降低切深或主軸轉速，請不要改變每刃進給量。
3）如機床剛性不足，首先推薦降低切深，然後再降低主軸轉速以及進給。
4）使用冷風吹走鐵屑，特別是立式加工深型腔時，需充分注意鐵屑的處理。

⊙RPMT10T3MOS-RM-G5R

被加工材料 Work Material	名稱	Name	汽車燈罩模	
	材質	Material	718	
	硬度	Hardness	HRC32-35	
			他司 A Company	DEREK刀片
刀 具 Tooling	刀柄型號	Tool Holder	BT40-MLC32-105	BT40-MLC32-105
	刀杆型號	Milling Cutter	EMRT-C25-5R25-200	EMRT-C25-5R25-200
	刀片型號	Insert Codes	他司刀片 A Company Insert	RPMT10T3MOS-RM-G5R
切削條件 Cutting Data	切削速度	Vc m/min	120m/min	120m/min
	進給	F mm/min	1800mm/min	2200mm/min
	切削深度	Ap mm	0.5mm	0.5mm
	冷却方式	Cooling	氣冷 Air	氣冷 Air
結 果 Results	共加工時間	Service Time	1小時40分鐘 1 H 40 Mins	2小時25分鐘 2 Hrs 25 Mins
	加工狀況	Performance	良好 Good	良好 Good
	在加工條件比較惡劣的情況下，DEREK刀片也表現出良好的特性，提高加工效率的同時，刀片壽命也比同類產品明顯提高。			

⊙RPMT1204MOS-FP-G3R

被加工材料 Work Material	名稱	Name	汽車儀表盤凸模	
	材質	Material	鍛打718	
	硬度	Hardness	HRC32	
			他司 A Company	DEREK刀片
刀 具 Tooling	刀柄型號	Tool Holder	BT50-FMB22-150	BT50-FMB22-150
	刀杆型號	Milling Cutter	EMRW-6R63-22-4T	EMRW-6R63-22-4T
	刀片型號	Insert Codes	他司刀片 A Company Insert	RPMT1204MOS-RP-G3R
切削條件 Cutting Data	切削速度	Vc m/min	138m/min	138m/min
	進給	F mm/min	2000mm/min	3000mm/min
	切削深度	Ap mm	0.8mm	1mm
	冷却方式	Cooling	幹式切削 Dry	幹式切削 Dry
結 果 Results	共加工時間	Service Time	1小時50分鐘 1 H 50 Mins	2小時40分鐘 2 Hrs 40 Mins
	加工狀況	Performance	良好 Good	良好 Good
	DEREK刀片相比其它公司刀片加工效率上提高1.8倍以上，壽命由原來的1小時50分鐘提高到2小時40分鐘，爲客户節約更多的加工成本。			

⊙RC型圓刀片

刀片形狀 Shape	型 號 Codes	刀片材質 Material	P	M	K	N	S	H
	RCKT10T3MOE-FM-MC20	PL30 PL230	●		●			
	RCKT1204MOE-FM-MC20	PL30	●		●			
	RCKT1204MO-SFM-G5R	HP-7012 MM-7030 MM-7040	●	●	◎		●	

備注：●表示適用于加工材料 ◎表示可用于加工材料 ●Excellent ◎Good

⊙RC型推薦切削參數 RC Insert Cutting Data

被加工材料 Work Piece	硬度 Hardness	刀片材質 Material	切削速度 Vc(m/min)	進給/刃fz (mm/Feed)	切深Ap(mm) 5R	切深Ap(mm) 6R
碳素鋼 Carbon Steel	180-260HB	PL30	180-300	0.2-0.5	0.15-0.3	0.2-0.35
	180-260HB	PL230	180-300	0.2-0.5	0.15-0.3	0.2-0.35
工具鋼，模具鋼 Tool steel, die steel	180-280HB	PL30	180-300	0.2-0.5	0.15-0.3	0.2-0.35
	180-280HB	PL230	180-300	0.2-0.5	0.15-0.3	0.2-0.35
預硬鋼 Pre-hardered Steel	280-400HB	PL30	150-280	0.2-0.4	0.15-0.3	0.2-0.35
	280-400HB	PL230	150-280	0.2-0.4	0.15-0.3	0.2-0.35
不銹鋼 Stainless Steel	150-250HB	7030	100-180	0.3-0.8	0.2-0.5	0.6-1.2
	150-250HB	7040	100-180	0.3-0.8	0.2-0.5	0.6-1.2
灰鑄鐵，球墨鑄鐵 Cast Iron	150-300HB	PL30	180-300	0.2-0.5	0.15-0.3	0.2-0.35
	150-300HB	PL230	180-300	0.2-0.5	0.15-0.3	0.2-0.35

1）根據機床剛性及加工狀況不同，以上參數可適當調整。
2）如發生振動，推薦降低切深或主軸轉速，請不要改變每刃進給量。
3）如機床剛性不足，首先推薦降低切深，然後再降低主軸轉速以及進給。
4）使用冷風吹走鐵屑，特別是立式加工深型腔時，需充分注意鐵屑的處理。

⊙RCKT1204MO-RM-G5R

被加工材料 Work Material	名稱	Name	葉片	
	材質	Material		難加工不銹鋼
	硬度	Hardness		HRC30
			他司 A Company	DEREK刀片
刀 具 Tooling	刀柄型號	Tool Holder	BT40-MLC32-105	BT40-MLC32-105
	刀杆型號	Milling Cutter	JRC-C25-6R32-200	JRC-C25-6R32-200
	刀片型號	Insert Codes	他司刀片 A Company Insert	RCKT1204MO-SFM-G5R
切削條件 Cutting Data	切削速度	Vc m/min	150m/min	150m/min
	進給	F mm/min	1000mm/min	1000mm/min
	切削深度	Ap mm	1-2.5mm	1-2.5mm
	冷却方式	Cooling	乳化液 Liquid	乳化液 Liquid
結 果 Results	共加工時間	Service Time	45分鐘 45 Mins	1小時 1 H
	加工狀況	Performance	良好 Good	良好 Good
	DEREK刀片在不銹鋼的粗加工及半精加工時都有很好地表現，尤其是在加工難加工的葉片時，更表現出了很好的耐磨性。			

⊙粗銑刀片

刀片形狀 Shape	型 號 Codes	刀片材質 Material	P	M	K	N	S	H
	SPMT120408-RM-G5R	HM-7012 HM-7025 HM-7030	●	◎	●		◎	●
	LPMT150412-RM-G5R	HM-7012 HM-7025 MM-7030	●	◎	●		◎	●

備注：●表示適用于加工材料 ◎表示可用于加工材料 ●Excellent ◎Good

⊙推薦切削參數 Insert Cutting Data

被加工材料 Work Piece	硬度 Hardness	刀片材質 Material	加工方式 Processing	切削速度 Vc(m/min)	進給fz(mm/刃)	切深Ap(mm)
碳素鋼 Carbon Steel	160-260HB	7012 7025 7030	側邊加工 Siding	80-120	0.08-0.15	~1D
			開槽加工 Slotting	600-100	0.05-0.12	~0.4D
預硬鋼 Pre-hardered Steel	280-400HB	7012 7025 7030	側邊加工 Siding	80-120	0.06-0.15	~1D
			開槽加工 Slotting	60-100	0.05-0.12	~0.4D
灰鑄鐵，球墨鑄鐵 Cast Iron	170-300HB	7012 7025 7030	側邊加工 Siding	80-150	0.1-0.15	~1D
			開槽加工 Slotting	60-100	0.08-0.12	~0.4D

注：D:刀具直徑
1）在使用此刀具前先確定好機床功率。
2）根據機床或工件剛性以上參數可適當調整。

⊙AP型端銑刀片

刀片形狀 Shape	型 號 Codes	刀片材質 Material	P	M	K	N	S	H
	APMT1135PDER-RP-G3R	HP-7025	●		●			
	APMT1135PDER-RM-G5R	HP-7012	●	●	●		◎	◎
	APMT1604PDER-RP-G3R	HP-7025	●		●			
	APMT1604PDER-RP-G5R	HP-7012	●	●	●		◎	◎
	APMT1604PEDR-NA20-G3R	NH01			◎	●		

備注：●表示適用于加工材料 ◎表示可用于加工材料 ●Excellent ◎Good

⊙AP型 推薦切削參數 AP Insert Cutting Data

被加工材料 Work Piece	刀片材質 Material	切削條件 Cutting Data	刀具直徑Diameter(mm) 12	20	25	32	35
碳素鋼 Carbon Steel 150-260HB	7012 7025	N(min-1)	3180	2388	1910	1200	1091
		F(mm/min)	580	700	850	820	860
		Ap(mm)	∽1.5	∽1.5	∽1.5	∽2.5	∽2.5
低合金鋼 Low Alloy Steel 150-280HB	7012 7025	N(min-1)	3180	2388	1910	1200	1091
		F(mm/min)	480	600	720	650	700
		Ap(mm)	∽1.5	∽1.5	∽1.5	∽2.5	∽2.5
模具鋼 Die Steel 280-400HB	7012 7025	N(min-1)	2123	1590	1275	800	730
		F(mm/min)	400	470	560	520	560
		Ap(mm)	∽1	∽1	∽1	∽1.5	∽1.5
灰鑄鐵，球墨鑄鐵 Cast Iron 300HB以下	7012 7025	N(min-1)	3180	2388	1910	1200	1091
		F(mm/min)	680	850	980	920	1050
		Ap(mm)	∽1.5	∽1.5	∽1.5	∽2.5	∽2.5
鋁合金 Aluminium Alloy 50–110HB	NH01	N(min-1)	4000	3580	2850	1900	1800
		F(mm/min)	800	980	1000	1200	1200
		Ap(mm)	∽3	∽3	∽3	∽4	∽4

Ap：切深 N：主軸轉速 F：進給速度

1）根據機床剛性跟加工狀況不同，以上參數可適當調整。

2）加長型按上表條件60%-80%。

3）切槽加工時，建議降低主軸轉速及進給速度到上述參數的70%。

⊙APMT1135PDER-RM-G5R

被加工材料 Work Material	名稱	Name	凸模反面流到槽		
	材質	Material			2738
	硬度	Hardness			HRC32
			他司	A Company	DEREK刀片
刀 具 Tooling	刀柄型號	Tool Holder	BT50-ER25-135		BT50-ER25-135
	刀杆型號	Milling Cutter	他司刀杆		300R-C15.6-16-160-2T
	刀片型號	Insert Codes	他司刀片	A Company Insert	APMT1135 PDER-RM-G5R
切削條件 Cutting Data	切削速度	Vc m/min	80m/min		80m/min
	進給	F mm/min	2500mm/min		2500mm/min
	切削深度	Ap mm	0.2mm		0.2mm
	冷却方式	Cooling	氣冷 Air		氣冷 Air
結 果 Results	共加工時間	Service Time	1小時10分鐘 1 H 10 Mins		2小時30分鐘 2 H 30mins
	加工狀況	Performance	良好 Good		良好 Good
	DEREK刀片應用範圍廣泛，即使是在加工硬料時也比他司刀片表現出了更好的耐磨性，此次比較中多爲斷續加工，加工條件較惡劣，即使如此，derek刀片也比他司刀片的壽命高出2倍多，表現出了更好的耐衝擊性。				

⊙S型面銑刀片

刀片形狀 Shape	型 號 Codes	刀片材質 Material	P	M	K	N	S	H
	SEHT1204AFSN-RP-G3R	HP-7035 HP-7040	●		●			
	SEHT1204AFSN-RM-G5R	HP-7012	●	●	●		◎	◎
	SEGX1204-NA20-G2R	NH01			◎	●		
	SEKR1203AFTN-RP-G3R	HP-7035	●		●			
	SEKR1203AFTN-RM-G5R	HP-7012	●	●	●		◎	◎
	SPEN1203AFTN-FP-UMC20	N030	●	◎	●			
	SEEN1203AFTN-MFP-UMC20	N030	●	◎	●			

備注：●表示適用于加工材料 ◎表示可用于加工材料 ●Excellent ◎Good

⊙S型 推薦切削參數　　Type S Insert Cutting Data

被加工材料 Work Piece	硬度 Hardness	刀片材質 Material	切削速度 Vc(m/min)	進給 fz（mm/刃）	切深 Ap(mm)
碳素鋼 Carbon Steel	160-260HB	N030	120-220	0.15-0.4	0.5-2.5
	160-260HB	7012	120-220	0.15-0.4	0.5-2.5
	160-260HB	7025	120-220	0.15-0.4	0.5-2.5
	160-260HB	7030	120-220	0.15-0.4	0.5-2.5
	160-260HB	7040	120-220	0.15-0.4	0.5-2.5
預硬鋼 Pre-hardered Steel	280-400HB	N030	80-180	0.1-0.3	0.5-2.5
	280-400HB	7012	80-180	0.1-0.3	0.5-2.5
	280-400HB	7025	80-180	0.1-0.3	0.5-2.5
	280-400HB	7030	80-180	0.1-0.3	0.5-2.5
	280-400HB	7040	80-180	0.1-0.3	0.5-2.5
不銹鋼 Stainless Steel	150-250HB	7012	60-120	0.1-0.2	0.5-1.5
	150-250HB	7032	60-120	0.1-0.2	0.5-1.5
灰鑄鐵，球墨鑄鐵 Cast Iron	170-300HB	N030	120-200	0.1-0.3	0.8-2.5
	170-300HB	7012	120-200	0.1-0.3	0.8-2.5
	170-300HB	7025	120-200	0.1-0.3	0.8-2.5
	170-300HB	7030	120-200	0.1-0.3	0.8-2.5
	170-300HB	7040	120-200	0.1-0.3	0.8-2.5
鋁合金 Aluminium Alloy	50-110HB	NH01	200-450	0.15-0.3	0.8-3.0
	50-110HB	3020	200-450	0.15-0.3	0.8-3.0

1）根據機床剛性跟加工狀況不同，以上參數可適當調整。

⊙SEKP1203AFTN RP-G3R

被加工材料 Work Material	名稱	Name	凸模反面流到槽	
	材質	Material	2Cr13	
	硬度	Hardness	HB260	
			他司 A Company	DEREK刀片
刀具 Tooling	刀柄型號	Tool Holder	BT50-FMA25.4-45	BT50-FMA25.4-45
	刀杆型號	Milling Cutter	FP75-80-25.4	FP75-80-25.4
	刀片型號	Insert Codes	他司刀片 A Company Insert	SEKR1203AFTN-RP-G3R
切削條件 Cutting Data	切削速度	Vc m/min	150m/min	180m/min
	進給	F mm/min	120mm/min	300mm/min
	切削深度	Ap mm	1.5mm	1.5mm
	冷却方式	Cooling	幹式切削 Dry	幹式切削 Dry
結果 Results	共加工時間	Service Time	2小時10分鐘 2 H 10 Mins	3小時30分鐘 3 H 30mins
	加工狀況	Performance	良好 Good	良好 Good
	SEKP1203AFTN RP-G3R的鋼件的銑削加工中比其它同類產品耐磨性提高3倍以上，耐崩性提高1.5倍以上。不僅如此，加工效率也提高2倍以上。			

⊙W型大進給銑刀片

刀片形狀 Shape	型 號 Codes	刀片材質 Material	P	M	K	N	S
	WPKW06X415-RM-G5R	HM-7012 HM-7025 HM-7030	●	●	●		◎
	WPKW080615-RM-G5R	HM-7012 HM-7025 MM-7030	●	●	●		◎

備注：●表示適用于加工材料 ◎表示可用于加工材料 ●Excellent ◎Good

⊙W型 推薦切削參數 Type W Insert Cutting Data

被加工材料 Work Piece	硬度 Hardness	刀片材質 Material	切削速度 Vc(m/min)	進給/刃fz (mm/Feed)	切深Ap(mm)
碳素鋼 Carbon Steel	160-260HB	7012 7025	100-150-180	1-3.5	1-1.5
預硬鋼 Pre-hardered Steel	280-400HB	7012 7025	80-120-160	0.8-2	0.8-1.5
灰鑄鐵，球墨鑄鐵 Cast Iron	170-300HB	7012 7025	100-150-180	1-3	1-1.5

1）根據機床剛性及加工狀況不同，以上參數可適當調整。
2）如發生振動，推薦降低切深或主軸轉速，請不要改變每刃進給量。
3）如機床剛性不足，首先推薦降低切深，然後再降低主軸轉速以及進給。
4）使用冷風吹走鐵屑，特別是立式加工深型腔時，需充分注意鐵屑的處理。

備注：●表示適用于加工材料 ●Excellent

⊙KSD快速鑽刀片

刀片形狀 Shape	型 號 Codes	刀片材質 Material	P	M	K	N	S	H
	WCMX030208-RM-G4R		●	◎	●		◎	◎
	WCMX040208-RM-G4R		●	◎	●		◎	◎
	WCMX050308-RM-G4R		●	◎	●		◎	◎
	WCMT06T308-RM-G4R		●	◎	●		◎	◎
	WCMT080412-RM-G4R		●	◎	●		◎	◎
	SPMG050204-RP-G3R	DG-9030,DG-8020,DG-7400	●	◎		◎	◎	
	SPMG060204-RP-G3R	DG-9030,DG-8020,DG-7400	●	◎		◎	◎	
	SPMG07T308-RP-G3R	DG-9030,DG-8020,DG-7400	●	◎		◎	◎	
	SPMG090408-RP-G3R	DG-9030,DG-8020,DG-7400	●	◎		◎	◎	
	SPMG110408-RP-G3R	DG-9030,DG-8020,DG-7400	●	◎		◎	◎	
	SPMG140512-RP-G3R	DG-9030,DG-8020,DG-7400	●	◎		◎	◎	
	SPMG050204-NA20-G5R	DK-6030	◎		●			●
	SPMG060204-NA20-G5R	DK-6030	◎		●			●
	SPMG07T308-NA20-G5R	DK-6030	◎		●			●
	SPMG090408-NA20-G5R	DK-6030	◎		●			●
	SPMG110408-NA20-G5R	DK-6030	◎		●			●
	SPMG140512-NA20-G5R	DK-6030	◎		●			●

備注：●表示適用于加工材料 ◎表示可用于加工材料 ●Excellent ◎Good

⊙常用粗鏜刀片

刀片形狀 Shape	型 號 Codes	刀片材質 Material	P	M	K	N	S
	CCMT060204-HF-RP-G3R	FP-6015、FP-6215、MP-6225	●				
	CCMT09T304-HM-RP-G3R	FP-6015、FP-6215、FK-5015、MP-6225	●				
	TCMT090204-HM-FP-G4Z	FP-6015、FP-6215、MP-6225	●				
	TCMT110204-HF-SFP-G3Z	FP-6015、FP-6215、MP-6225	●				
	TCMT110208-HF-SFM-G5Z	MM-2025		●			
	TCMT16T304-HM-SFP-G3Z	FP-6015、FP-6215、MP-6225	●				
	VBMT160408-53-SFP-G3Z	FP-6015、FP-6215、MP-6225	●				

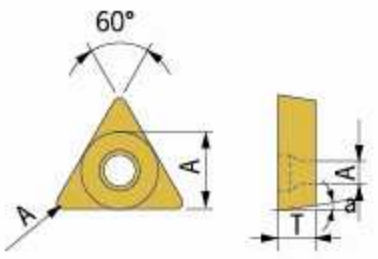
備注：●表示適用于加工材料 ◎表示可用于加工材料 ●Excellent ◎Good

⊙常用有色金屬粗鏜刀片

刀片形狀 Shape	型 號 Codes	刀片材質 Material	P	M	K	N	S
	CCGT060204-NA20-G3R	FN-R3020			◎	●	
	CCGT09T304-NA20-G3R	FN-R3020			◎	●	

備注：●表示適用于加工材料 ◎表示可用于加工材料 ●Excellent ◎Good

⊙常用精鏜刀片



型 號 Codes	A	T	Φd	a
TBGH0601	3.97	1.59	2.3	5°
TPGH0902	5.56	2.38	3.0	11°

型 號 Codes	A	T	Φd	a
TPGH1103	6.35	3.18	3.3	
TPGH1603	9.525	3.18	4.5	

轉下頁
See next page

鏜刀片
Boring Inserts

刀片形狀 Shape	型 號 Codes	R(mm)	P	M	K	N	S	H
	TBGH060102L-NA20-G3R	0.2			●	●		
	TPGH080202L-NA20-G3R	0.2			●	●		
	TPGH090202L-NA20-G3R	0.2			●	●		
	TPGH110302L-NA20-G3R	0.2			●	●		
	TPGH160302L-NA20-G3R	0.2			●	●		
	TBGH060104L-NA20-G3R	0.4			●	●		
	TPGH080204L-NA20-G3R	0.4			●	●		
	TPGH090204L-NA20-G3R	0.4			●	●		
	TPGH110304L-NA20-G3R	0.4			●	●		
	TPGH160304L-NA20-G3R	0.4			●	●		
	TBGH060102L-FP-G3R	0.2	●					
	TPGH080202L-FP-G3R	0.2	●					
	TPGH090202L-FP-G3R	0.2	●					
	TPGH110302L-FP-G3R	0.2	●					
	TPGH160302L-FP-G3R	0.2	●					
	TBGH060104L-FP-G3R	0.4	●					
	TPGH080204L-FP-G3R	0.4	●					
	TPGH090204L-FP-G3R	0.4	●					
	TPGH110304L-FP-G3R	0.4	●					
	TPGH160304L-FP-G3R	0.4	●					
	TBGH060102L-FM-G5R	0.2	●	●				
	TPGH080202L-FM-G5R	0.2	●	●				
	TPGH090202L-FM-G5R	0.2	●	●				
	TPGH110302L-FM-G5R	0.2	●	●				
	TPGH160302L-FM-G5R	0.2	●	●				
	TBGH060104L-FM-G5R	0.4	●	●				
	TPGH080204L-FM-G5R	0.4	●	●				
	TPGH090204L-FM-G5R	0.4	●	●				
	TPGH110304L-FM-G5R	0.4	●	●				
	TPGH160304L-FM-G5R	0.4	●	●				

備注：●表示適用于加工材料 ◎表示可用于加工材料 ●Excellent ◎Good

⊙常用負角型車刀片

刀片形狀 Shape	型 號 Codes	刀片材質 Material	P	M	K	N	S	H
	CNMG120404-PM-SFP-G3Z	MP-6215、MP-6225、MK-5015、MP2-6025	●					
	CNMG120408-PM-SFP-G3R	MP-6215、MP-6225、MK-5015、MP2-6025	●					
	CNMG120412-PM-SFP-G3Z	MP-6215、MP-6225、MK-5015、MP2-6025	●					
	CNMG160608-T-SFP-G3Z	MP-6215、MP-6225、MK-5015、MP2-6025	●					
	DNMG110408-DM-SFP-G3Z	MP-6215、MP-6225、MK-5015	●					
	DNMG150404-EM-SFP-G5Z	MM-2025		●				
	DNMG150408-PM-SFP-G3R	MP-6215、MP-6225、MK-5015	●					
	DNMG150608-PM-SFP-G3R	MP-6215、MP-6225	●					
	SNMG120404-PM-SFP-G3Z	MP-6215、MP-6225	●					
	SNMG120408-PM-SFP-G3Z	MP-6215、MP-6225	●					
	TNMG160404-EM-SFM-G5Z	MM-2025		●				
	TNMG160408-PM-SFP-G3R	FP-6025、FP6215、MP-6025、MP-6215、MK-5015 MP2-6025	●					
	WNMG080408-DM-SFP-G3R	FP-6030、MP-6030、MP-6215、MP-6225、MK-5015	●					

備注：●表示適用于加工材料 ◎表示可用于加工材料 ●Excellent ◎Good

⊙車刀片推薦切削參數

ISO	材料 Material		硬度HB	塗層硬質合金 6015	塗層硬質合金 6215	塗層硬質合金 6025	塗層硬質合金 6225	金屬陶瓷 N030	硬質合金
				進給量fz(mm/rev) 0.08-0.35	0.08-0.35	0.1-0.45	0.1-0.45	0.1-0.45	0.05-0.2
				切削速度Vc(m/min)					
P	碳素鋼 Carbon Steel	C=0.15%	125	320-180	350-200	300-180	330-180	450-250	
		C=0.35%	150	300-150	320-160	280-150	300-150	400-200	
		C=0.60%	200	250-120	280-120	220-120	260-100	380-180	
	合金鋼 Alloyed Steel	退火	180	280-120	300-150	260-120	280-130	360-180	
		淬火	275	200-100	250-120	180-80	230-100	250-150	
		淬硬	300	180-100	200-120	160-80	180-100	220-130	
		淬硬	350	160-80	180-100	120-60	160-80	200-120	
	高合金鋼 High Alloyed Steel	退火	200	280-120	300-150	260-100	280-130	280-160	
		淬硬	325	140-90	150-100	120-60	130-80	180-100	
	鑄鋼 Cast Iron	非合金	180	220-120	250-100	200-80	220-120	220-150	
		低合金	200	180-70	200-80	160-60	180-80	180-120	
		高合金	225	150-70	160-80	120-60	150-80	220-100	

ISO	材料 Material		硬度HB	塗層硬質合金 2025	金屬陶瓷 N030	硬質合金
				進給量fz(mm/rev) 0.1-0.4	0.1-0.3	
				切削速度Vc(m/min)		
M	不銹鋼 Stainless Steel	鐵素體	180	220-120	250-150	
		奧氏體	260	220-120	180-100	
		馬氏體	330	200-100	180-100	

⊙車刀片推薦切削參數

ISO	材料 Material		硬度HB	塗層硬質合金 5015 進給量fz(mm/rev) 0.008-0.25 切削速度Vc(m/min)	塗層硬質合金 5020 進給量fz(mm/rev) 0.1-0.4 切削速度Vc(m/min)	金屬陶瓷 硬質合金 N030 進給量fz(mm/rev) 0.1-0.3 切削速度Vc(m/min)
K	鋁合金 Aluminium Alloy	鐵素體	130	250-150	280-180	280-160
		珠光體	230	200-100	250-120	220-120
	低底鑄鐵		180	300-160	360-180	320-160
	高度鑄鐵		260	180-100	250-120	280-150
	球墨鑄鐵 Cast Iron	鐵素體	160	250-120	280-150	300-180
		珠光體	250	180-100	220-120	280-150

ISO	材料 Material		硬度HB	硬質合金 NH01 進給量fz(mm/rev) 0.05-0.3 切削速度Vc(m/min)
N	鋁合金	未熱處理	60	800-400
		熱處理	100	400-200
	鑄鋁合金	未熱處理	75	500-200
		熱處理	90	300-100
	銅合金	鉛合金	110	500-200
		銅/紫銅	90	300-180
		銅/無鉛銅/電解銅	100	200-100
S	耐熱合金	耐熱合金	40	50-20

⊙CNMG120408-PM-RP-G3R

被加工材料 Work Material	名稱	Name	球籠	
	材質	Material		20Cr
	硬度	Hardness		HRC30-33
			他司 A Company	DEREK刀片
刀 具 Tooling	刀杆型號	Tool Holder	MCLNR2020K16	MLCNR2020K16
	刀片型號	Milling Cutter	他司刀片 A Company Insert	CNMG120408-PM-SFP-G3R
切削條件 Cutting Data	切削速度	Insert Codes	130m/min	150m/min
	進給	Vc m/min	330mm/min	420mm/min
	切削深度	F mm/min	1-1.5mm	1-1.5mm
	冷却方式	Ap mm	乳化液 Liquid	乳化液 Liquid
	共加工時間	Cooling	60-80件/刃 PCS/Flute	100-120件/刃 PCS/Flute
結 果 Results	加工狀况	Service Time	良好 Good	良好 Good
	DEREK刀片在同類產品中有效的提高加工效率，同時刀片壽命也優于他司刀片。			

⊙TNMG160404-EM-RM-G5Z

被加工材料 Work Material	名稱	Name	拉杆	
	材質	Material		45#
	硬度	Hardness		HB230
			他司 A Company	DEREK刀片
刀 具 Tooling	刀杆型號	Tool Holder	MTJNR2020K16	MTJNR2020K16
	刀片型號	Milling Cutter	他司刀片 A Company Insert	TTNMG160404-EM-SFM-G5Z
切削條件 Cutting Data	切削速度	Insert Codes	150m/min	180m/min
	進給	Vc m/min	360mm/min	550mm/min
	切削深度	F mm/min	2-2.5mm	2-2.5mm
	冷却方式	Ap mm	乳化液 Liquid	乳化液 Liquid
	共加工時間	Cooling	200件/刃 PCS/Flute	360件/刃 PCS/Flute
結 果 Results	加工狀况	Service Time	良好 Good	良好 Good
	DEREK刀片每個刃口切削360件，其它公司刀片每刃切削200件。提高加工效率同時，刀片壽命提高1.8倍，有效降低客户成本。			

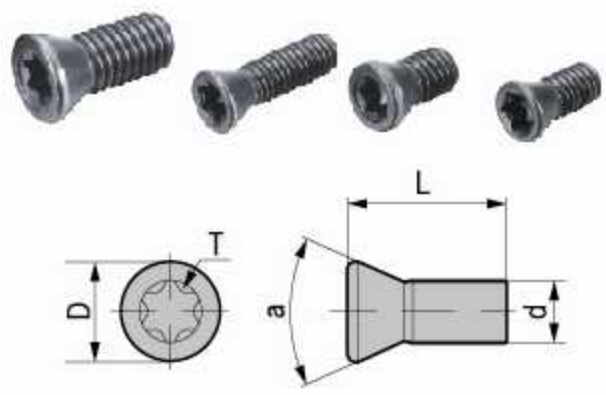
材料説明 Manuals

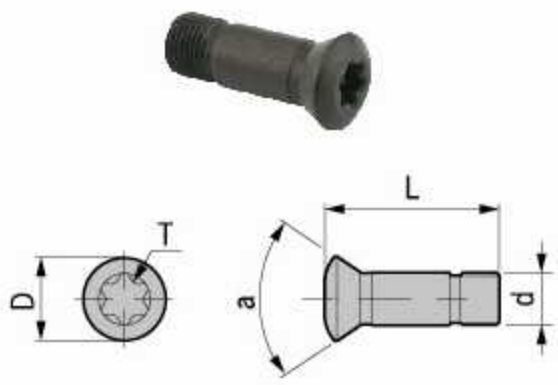
P	M	K	N	S	H
鋼	不銹鋼	鑄鐵	有色金屬	高温合金	淬硬鋼



Torx Screw

刀片螺釘

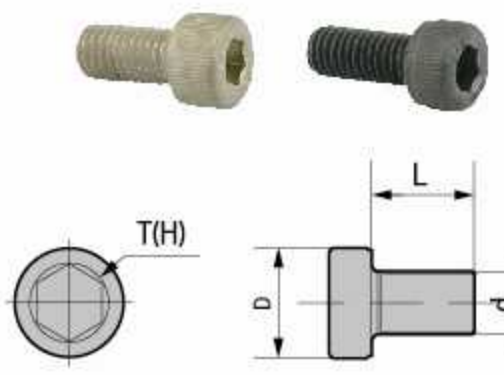




型號 Specification	D	d	L	a	扳手 Wrench
M020W040	2.7	2	4	55	Q06
M020W050	2.7	2	5	65	Q06
M022W050	3	2.2	5	60	Q08
M025W050	3.5	2.5	5	45	Q08
M025W060	3.5	2.5	6	55	Q08
M025W070	3.5	2.5	7	45	Q08
M030W070	4	3	7	55	Q08
M035W090	5	3.5	9	55	Q15
M040W090	5.5	4	9	55	Q15
M030Y060	4	3	6	50	Q08
M030Y070-1	4	3	7	50	Q08
M030Y070-2	4.5	3	7	55	Q10
M030D075	4.5	3	7.5	60	Q08
M030D095	4.5	3	9.5	60	Q08
M035R080-1	5.2	3.5	8	60	Q15
M035D080-2	5.2	3.5	8	60	Q15
M035T085	5.2	3.5	8.5	55	Q15
M040S080-1	5.7	4	8	60	Q15
M040R080-2	5	4	8	45	Q15
M040D080-3	5.7	4	8	55	Q15
M040R090	5	4	9	38	Q15
M040S100-1	5.7	4	10	60	Q15
M040R100-2	6	4	10	55	Q15
M040D110	5.5	4	11	55	Q15
M040S120	5.7	4	12	60	Q15
M045Y110	7	4.5	11	50	Q15
M050Y110-1	7	5	11	45	Q20
M050Y110-2	6.5	5	11	40	Q20
M050Y110-3	7	5	11	50	Q20
M050Y110-4	7.2	5	11	55	Q20
M050Y120-1	7.2	5	12	60	Q20
M050Y120-2	7.2	5	12	55	Q20
M050Y120-3	7.2	5	12	60	Q20
M030W070-4R	4.2	3	7	60	Q08
M040W090-5R	5.7	4	9	60	Q15
M050W090-6R	6.8	5	9	60	Q20
M050W130-8R	7.4	5	13	60	Q20
M050W170-10R	8	5	17	60	Q20
M060W210-12.5R	9.5	6	21	60	T30M
M080W250-15R	12	8	25	60	T30M

Socket Screw

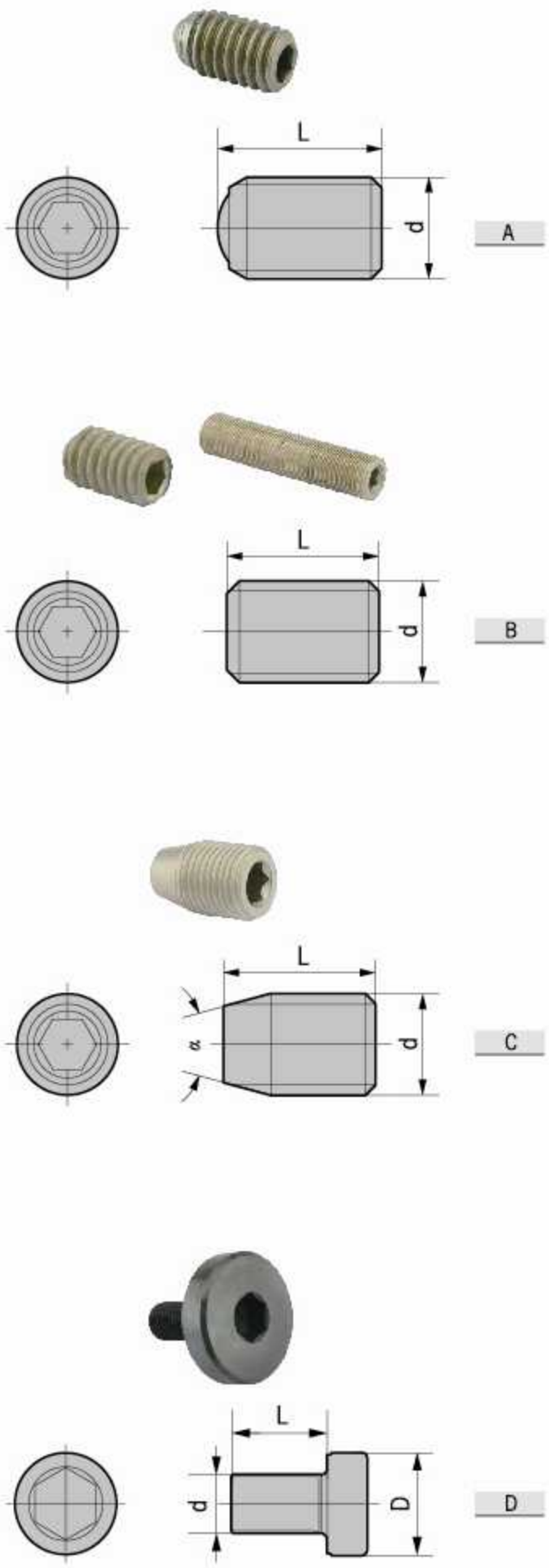
內六角螺釘



型號 Specification	D	d	L	扳手 Wrench
E030U080	5.5	3	8	L025
E040U100	7	4	10	L03
E040U160	7	4	16	L03
E040U200	7	4	20	L03
E050U100	8.5	5	10	L04
E050U120	8.5	5	12	L04
E050U160	8.5	5	16	L04
E050U200	8.5	5	20	L04
E050U300	8.5	5	30	L04
E050U350	8.5	5	35	L04
E050U450	8.5	5	45	L04
E050U650	8.5	5	65	L04
E050U800	8.5	5	80	L04
E050U1300	8.5	5	130	L04
E060U120	10	6	12	L05
E060U160	10	6	16	L05
E060U200	10	6	20	L05
E060U250	10	6	25	L05
E060U600	10	6	60	L05
E060U900	10	6	90	L05
E080U100	12.5	8	10	L06
E080U160	12.5	8	16	L06
E080U200	12.5	8	20	L06
E080U250	12.5	8	25	L06
E080U300	12.5	8	30	L06
E080U350	12.5	8	35	L06
E080U800	12.5	8	80	L06
E080U850	12.5	8	85	L06
E080U1200	12.5	8	120	L06
E100U160	15	10	16	L08
E100U200	15	10	20	L08
E100U250	15	10	25	L08
E100U300	15	10	30	L08
E100U350	15	10	35	L08
E100U1100	15	10	110	L08
E120U250	18	12	25	L10
E120U300	18	12	30	L10
E120U400	18	12	40	L10
E120U500	18	12	50	L10
E160U250	24	16	25	L12
E160U350	24	16	35	L12

Socket Screw For Special

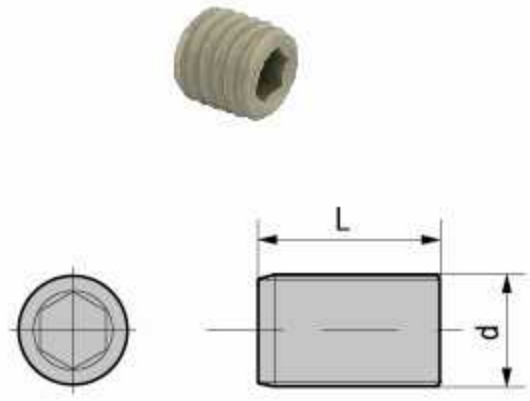
專用內六角螺釘



型號 Specification	專用 For	圖示 Figure	d	L	α	D	扳手 Wrench
M040U050-90-D	FBH	A	4	5	-	-	T02
M040U060-90-D	FBH	A	4	6	-	-	T02
M040U080-90-D	FBH	A	4	8	-	-	T02
M050U080-90-D	FBH	A	5	8	-	-	T025
M050U100-90-D	FBH	A	5	10	-	-	T025
M050U160-90-D	FBH	A	5	16	-	-	T025
M060U080-90-D	FBH	A	6	8	-	-	T03
M060U120-90-D	FBH	A	6	12	-	-	T03
M060U200-90-D	FBH	A	6	20	-	-	T03
M100U160-90-D	FBH	A	10	16	-	-	T05
M100U200-90-D	FBH	A	10	20	-	-	T05
M100U250-90-D	FBH	A	10	25	-	-	T05
M050Z090P-LH	ABH	B	5	9	-	-	T025
M060Z125P-LH	ABH	B	6	12.5	-	-	T03
M060Z160P-LH	ABH	B	6	16	-	-	T03
M080Z205P-LH	ABH	B	8	20.5	-	-	T04
M080Z250P-LH	ABH	B	8	25	-	-	T04
M080Z350P-LH	ABH	B	8	35	-	-	T04
M050Z050-30P	DCK刀柄	C	5	5	30	-	L025
M050Z060-30P	DCK刀柄	C	5	6	30	-	L025
M060Z090-30P	DCK刀柄	C	6	9	30	-	L03
M080Z120-30P	DCK刀柄	C	8	12	30	-	L04
M100Z160-30P	DCK刀柄	C	10	16	30	-	L05
M120Z200-30P	DCK刀柄	C	12	20	30	-	L06
M040Z048Q	CBH	B	4	4.8	-	-	L02
M040Z060Q	CBH	B	4	6	-	-	L02
M050Z080Q	CBH	B	5	8	-	-	L025
M060Z100Q	CBH	B	6	10	-	-	L03
M080Z145Q	CBH	B	8	14.5	-	-	L04
M100Z160Q	CBH	B	10	16	-	-	L05
M100Z110Q	CBH	B	10	11	-	-	L05
M180Z130P	SLN	B	18	13	-	-	L10
M180Z160P	SLN	B	18	16	-	-	L10
M180Z180P	SLN	B	18	18	-	-	L10
M200Z180P	SLN	B	20	18	-	-	L10
M200Z200P	SLN	B	20	20	-	-	L10
E100Z300-MTB	MTB	D	10	30	-	-	L05
E160Z400-MTB	MTB	D	16	40	-	-	L08
E160Z350-40	FMA/B	D	16	35	-	40	L17
E160Z500-40	FMA/B	D	16	50	-	40	L17
E160Z350-50	FMA/B	D	16	35	-	50	L17
E160Z500-50	FMA/B	D	16	50	-	50	L17
E240Z500-65	FMA/B	D	24	50	-	65	L17

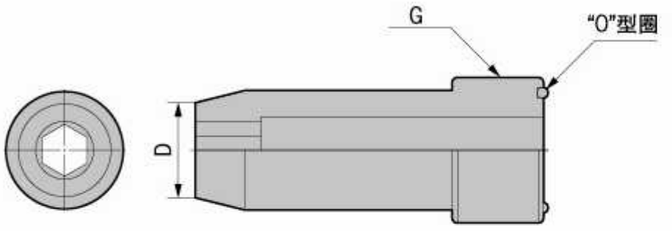
Locking Screw

緊定螺釘



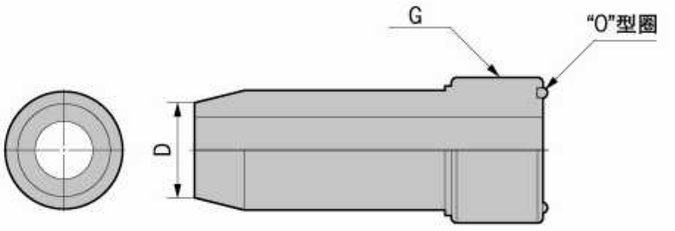
型號 Specification	d	L	扳手 Wrench
M060U080	6	8	L03
M080U080	8	8	L04
M080U100	8	10	L04
M100U100	10	10	L05
M100U120	10	12	L05
M120U140	12	14	L06
M120U160	12	16	L06
M120U200	12	20	L06
M140U160	14	16	L06
M140U200	14	20	L06
M160U160	16	16	L08
M160U250	16	25	L08
M030U060-D	3	6	T015
M040U040-D	4	4	T02
M040U050-D	4	5	T02
M040U060-D	4	6	T02
M040U080-D	4	8	T02
M040U100-D	4	10	T02
M040U120-D	4	12	T02
M040U160-D	4	16	T02
M040U200-D	4	20	T02
M050U060-D	5	6	T025
M050U080-D	5	8	T025
M050U200-D	5	20	T025
M050U300-D	5	30	T025
M060U060-D	6	6	T03
M060U080-D	6	8	T03
M060U100-D	6	10	T03
M060U120-D	6	12	T03
M060U160-D	6	16	T03
M060U200-D	6	20	T03
M060U400-D	6	40	T03
M060U500-D	6	50	T03
M080U100-D	8	10	T04
M080U120-D	8	12	T04
M080U160-D	8	16	T04
M080U200-D	8	20	T04
M080U300-D	8	30	T04
M100U120-D	10	12	T05
M100U140-D	10	14	T05
M100U160-D	10	16	T05
M100U200-D	10	20	T05
M100U250-D	10	25	T05
M120U120-D	12	12	T06
M120U140-D	12	14	T06
M120U200-D	12	20	T06
M120U250-D	12	25	T06
M120U300-D	12	30	T06

HSK Coolant Pipe
HSK冷却液導管



型號 Specification	D	G	內六角扳手 Wrech
HSK 40-CP	8	M12X1.0P	T4
50-CP	10	M16X1.0P	T5
63-CP	12	M18X1.0P	T6
100-CP	16	M24X1.5P	T8

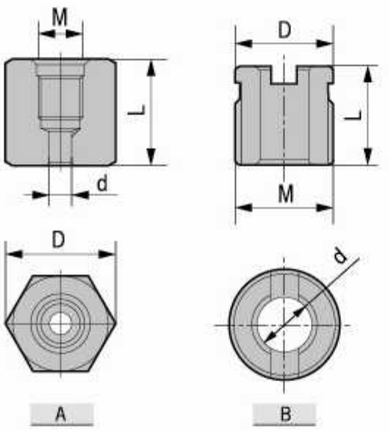
Insert Pipe
填充管



型號 Specification	D	G	外六角扳手 Wrech
HSK 40-CPA	8	M12X1.0P	T4
50-CPA	10	M16X1.0P	T5
63-CPA	12	M18X1.0P	T6
100-CPA	16	M24X1.5P	T8

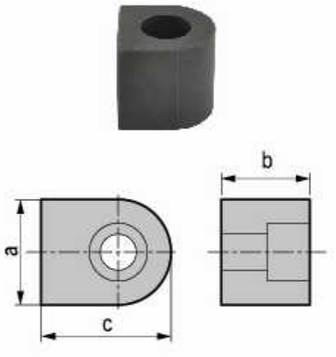
Nut
止動螺母





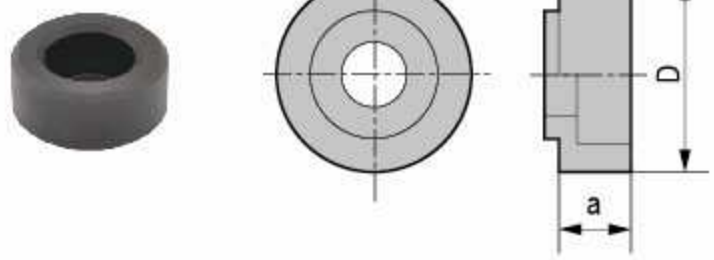
型號 Specification	圖示 Figure	對應刀具 For	D	d	L	M
ZD4-1	A	DC	20.5	4	19	M8X1-LH
ZD4-2	B	DC	8	3.8	10.5	M8X0.75-LH
ZD6-1	B	DC	10	5	13	M10X1-LH
ZD6-2	A	DC	20	5.2	20	M12X1.5-LH
ZD8-1	B	DC	12	6.3	12	M12X1-LH
ZD10-1	B	DC	14	8.2	12	M14X1-LH
ZD10-2	B	DC	16	8.5	13	M16X1.5-LH
ZD12-1	B	DC	17	10.3	13	M16X1.5-LH

Pin
鍵銷



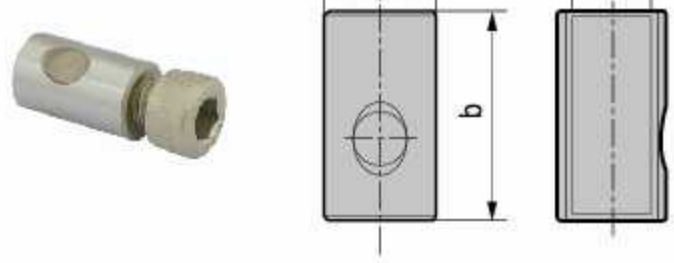
型號 Specification	對應刀具 For	a	b	c
A254-1-9.5*9.5*10.5	FMA	9.5	9.5	10.5
A254-2-9.5*9.5*18	FMA FMA-BG	9.5	9.5	18
A317-1-12.7*12.7*12.5	FMA FMA-BG	12.7	12.7	12.5
A317-2-12.7*12.7*16.5	FMA	12.7	12.7	16.5
A317-3-12.7*12.7*21.7	FMA	12.7	12.7	21.7
A317-4-12.7*12.7*31.5	FMA FMA-BG	12.7	12.7	31.5
A381-1-15.87*15.87*18.5	FMA	15.87	15.87	18.5
A400-3-26*25*25.4	FMA	26	25	25.4
A508-1-19.05*16.55*19.55	FMA	19.05	16.55	19.55
B220-1-10*10*10.5	HSK-A-FMB FMB	10	10	10.5
B220-2-10*10*18.3	FMB FMB-BG	10	10	18.3
B270-1-12*12*14.5	FMB	12	12	14.5
B270-2-12*12*20.8	HSK-A-FMB FMB	12	12	20.8
B320-1-14*14*21.5	FMB	14	14	21.5
B400-1-16*16*19.5	FMB	16	16	19.5
B400-2-16*16*19.5	FMB	16	16	19.5
B400-3-26*25*25.4	HSK-A-FMB FMB	26	25	25.4

Gasket
墊圈



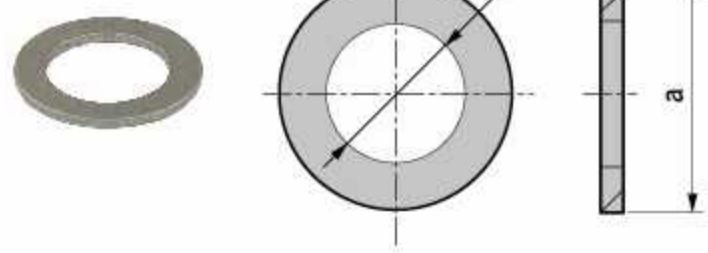
型號 Specification	對應刀具 For	a	D
FM-1	FMB	16	33
FM-2	FMA FMB	20.5	40
FM-3	FMA FMB	20.5	50

Nut
過渡螺母



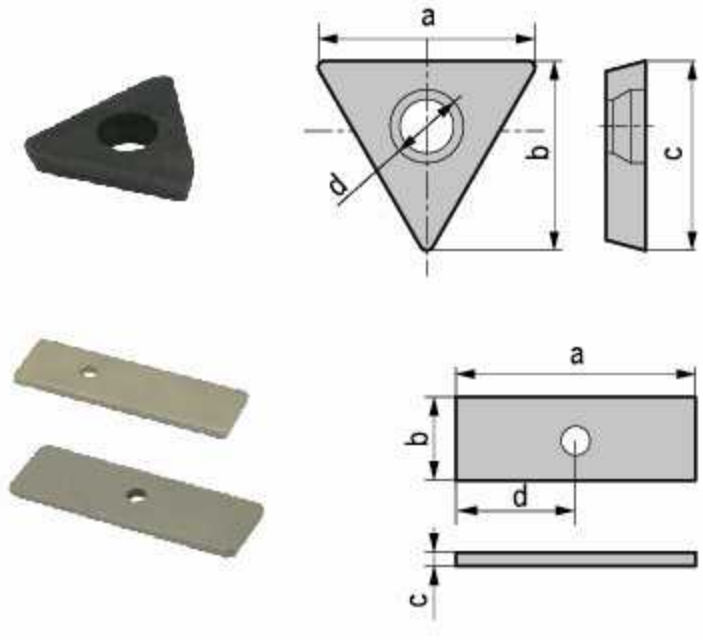
型號 Specification	對應刀具 For	a	b	T
BM6	FBH	6	11	M5
BM7	FBH	8	13	M5
BM8	FBH	16	19	M10

Gasket
墊片



型號 Specification	對應刀具 For	a	b	c
7.2*4.3*0.5	ABH	7.2	4.3	0.5
8.5*4.3*0.5	ABH	8.5	4.3	0.5
10.3*6.5*0.5	ABH	10.3	6.5	0.5
13.2*8.5*0.8	ABH	13.2	8.5	0.8
8.8*5.3*1.5	DBH	8.8	5.3	1.5
10.3*6.5*1.5	DBH	10.3	6.5	1.5
13.2*8.5*1.5	DBH	13.2	8.5	1.5
16.5*10.5*1.8	DBH	16.5	10.5	1.8
19.5*12.5*2	DBH	19.5	12.5	5.2

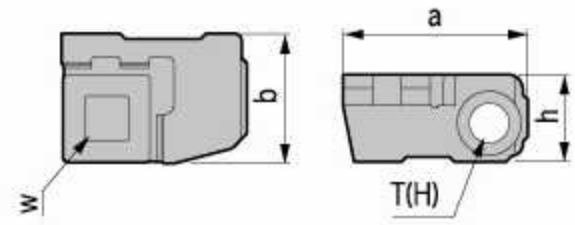
Gasket
墊片



型號 Specification	對應刀具 For	a	b	c	d
MT2204	TP90	17	15	-	4.5
DP-1	BST-DBH	50	15	3.5	2.5
DP-2	BST-CBH	50	15	3.5	1.5

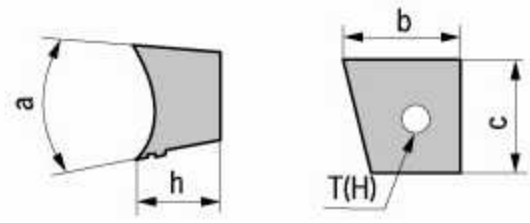
Clamp
壓板





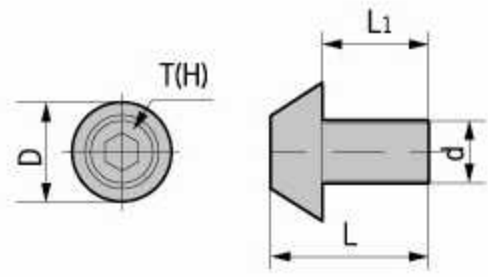
型號 Specification	a	b	h	w	T(H)
FC3050-TP2204-90	30	19	12	TPG2204	4
FC2550-SE1203-45	25	18	12	SEG1203	4
FC2550-SE1504-45	25	18	12	SEG1504	4
FC2550-SP1203-75	25	18	12	SPG1203	4
FC2550-SP1504-75	25	18	12	SPG1504	4





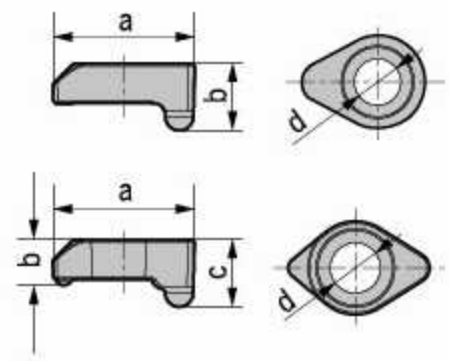
型號 Specification	b	c	h	a	T(H)
SV-128170-15-45	17	12.8	17.5	15°	6
SV-128170-15-75	17	12.8	19.5	15°	8
SV-128170-15-90	18.8	13.8	13	15°	6





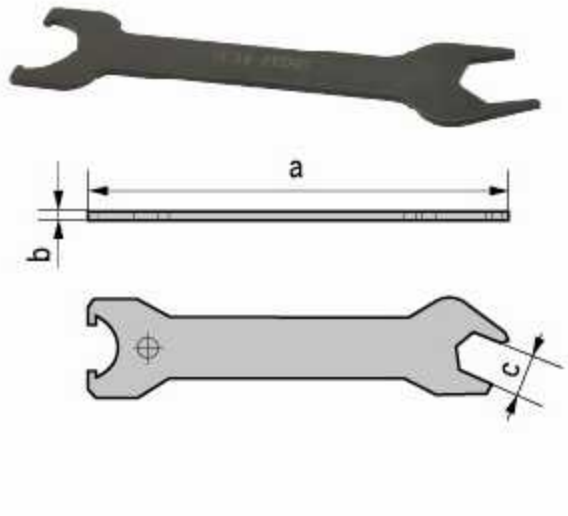
型號 Specification	d	D	L_1	L	T(H)
M050H080-TP	5	12	8	12	L03D
M060H080-TP	6	13.5	8	12	L04D
M060H120-TP	6	13.5	12	16.5	L04D
M080H120-TP	8	18	12	16.5	L05D
M080H160-TP	8	18	16	21	L05D





型號 Specification	a	b	c	d
YD-13	13	6	-	35
YD-14	14	6	-	4
YD-16	16	6	-	5
YS-34	10	3.4	3.8	3
YS-39	10.4	3.9	4.7	4
YS-43	12.2	4.3	6	4
YS-52	13.5	5.2	5.7	5

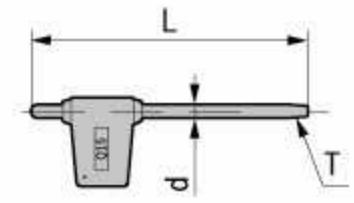
Wrench
扳手



型號 Specification	對應刀具 For	a	b	c
DCK1-DYD19	DYD	84	1.5	8
DCK1-DYD22	DYD	84	1.5	8
DCK2-DYD29	DYD	110	1.5	10
DCK3-DYD38	DYD	118	2	17
DCK4-DYD48	DYD	118	2	17
DCK5-DYD62	DYD	148	2.5	22
DCK6-DYD82	DYD	150	2.5	22
DCK6-DYD105	DYD	160	2.5	30
DCK6-DYD135	DYD	160	2.5	30

Torx Wrench
旗形星形扳手

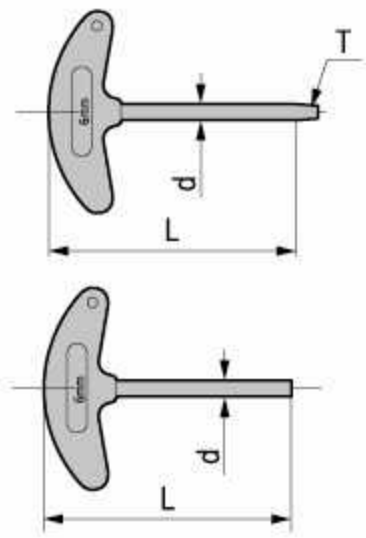




型號 Specification	d	L	T
Q06	2.5	84	6
Q08	3	86	8
Q10	3	90	10
Q15	5	94	15
Q20	5	94	20

T-shape Wrench
T形扳手



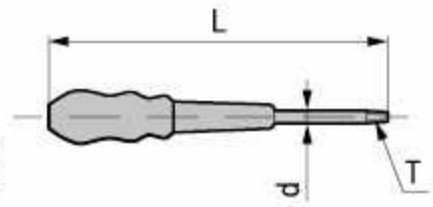


型號 Specification	d	L	T
T30M	6	120	30

型號 Specification	d	L	T
T02	2	58	2
T025	2.5	66	2.5
T03	3	72	3
T04	4	76	4
T05	5	92	5
T06	6	102	6

Straw Wrerch
直柄星形扳手

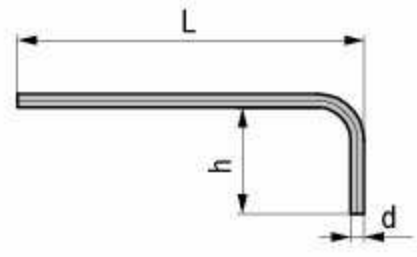




型號 Specification	d	L	T
T6-Z	2.5	92	6
T8-Z	3	94	8
T10-Z	3	98	10
T15-Z	5	102	15
T20-Z	5	102	20

Allen Key
L形扳手

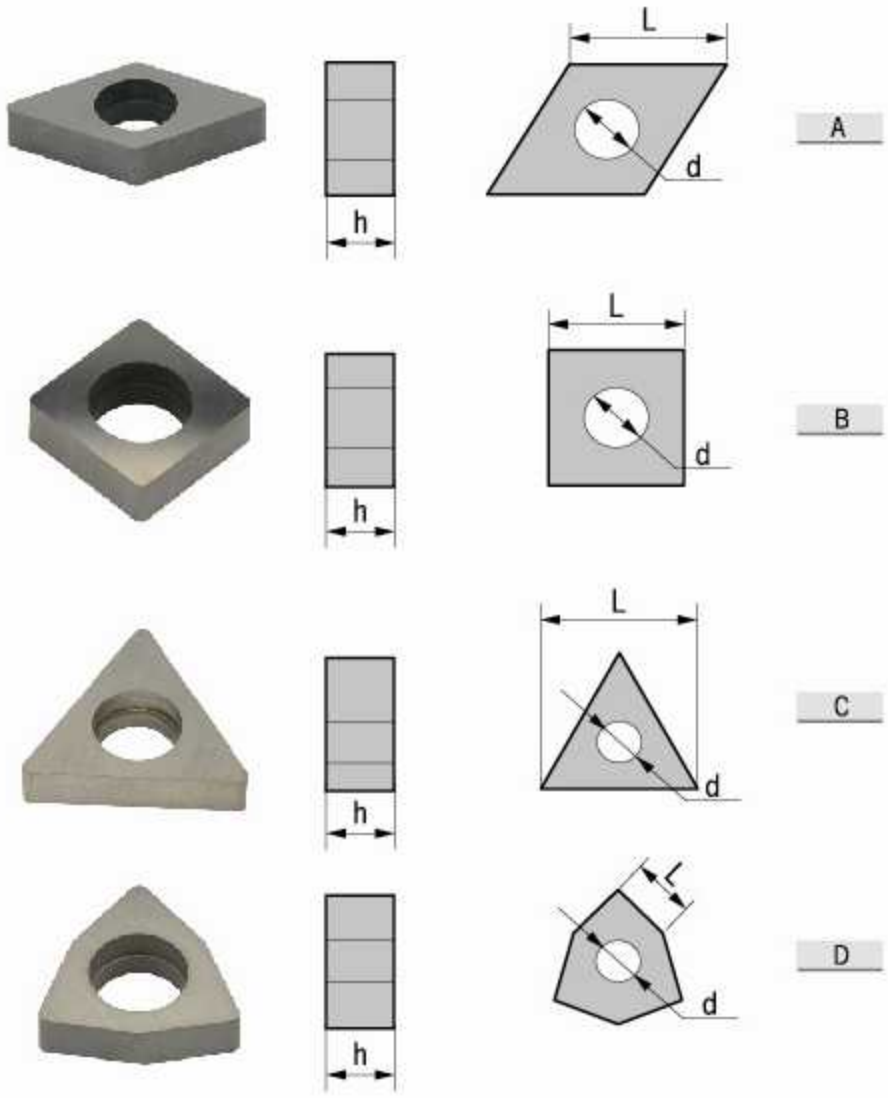




型號 Specification	d	L	h
L02	2	52	12
L025	2.5	60	15
L03	3	65	20
L04	4	70	25
L05	5	78	28
L06	6	85	32

Support Pads For Turning Tool Holder

車刀刀墊



型號 Specification	圖示 Figure	d	h	L
MD1103	A	6	3	11
MD1504	A	6	4	15
MD1506	A	6	6	15
MC1204	A	8	4	12
MC1604	A	8	4	16
MC1906	A	8	4	19
MV1603	A	8	3	16

型號 Specification	圖示 Figure	d	h	L
MS1204	B	6	4	12
MS1504	B	10	4	15
MS1904	B	11	4	19

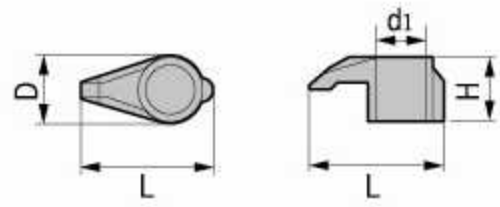
型號 Specification	圖示 Figure	d	h	L
MT1603	C	6	3	16
MT2204	C	8	4	22

型號 Specification	圖示 Figure	d	h	L
MW0603	D	6	3	6
MW0804	D	6	4	8

Clamps For Turning Tool Holder

車刀壓板





型號 Specification	D	d1	L	H
MY0619	8.60	6.00	18.15	7.70

Screws For Clamps On Turning Tool Holder

車刀壓板螺釘



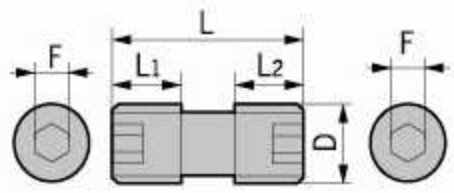
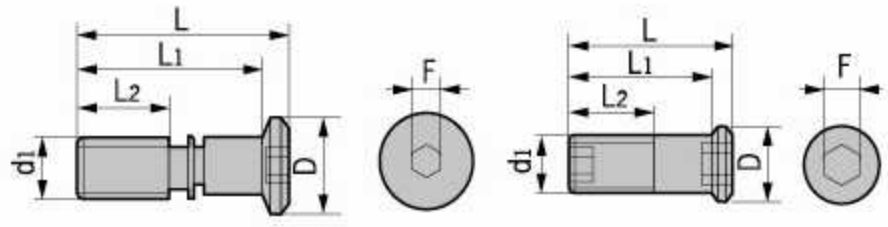


Plate Screw For Lathe

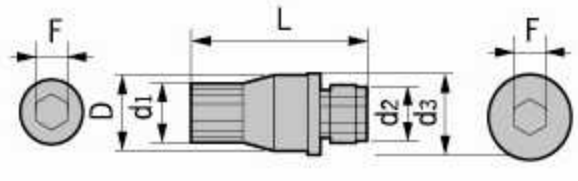
車刀壓板螺釘



Center Screw Turning Tool Holder

車刀中心螺釘





型號 Specification	D	d1	d2	d3	L
MX0513	6.20	3.65	M5*0.8	5.46	12.88
MX0613	7.83	5.00	M6*1.0	7.07	15.50
MX0617	7.76	5.00	M6*1.0	7.17	17.20
MC0822	10.20	6.17	M8*1.0	9.45	21.80
MC1022	11.95	7.95	M10*1	11.00	22.10

型號 Specification	D	d1	L1	L2	L	F
CL0515	6.5	M5*0.8	14.0	5.7	15.5	3
DL0517	8.54	M5*0.8	13.3	5.5	15.45	3
DL0520	8.50	M5*0.8	18.6	10.9	20.55	3
DL0525	9.92	M6*1.0	22.1	12.3	26.55	4

型號 Specification	D	L1	L2	L	F
ML0625	M6*1.0	8.3	8.3	25.0	3
ML0828	M8*1.0	12.0	10.0	24.7	4

Z-Axial Zero-Setter

Z-量表式Z軸設定器



型號 Specification	形式 Type	總高度 Chief height	伸縮距離 Flex distance
EDS-50	量表式	50	3

特 點 / Feature

■將平行規置于標準面。轉動百分表，使長針歸零。將平行規移開。
■將Z軸設定器置于工件上，刀具接觸操作面，慢速進刀到秒針指在"0"，則刀具與工件的距離是50mm。
■Have the central measuring porfion of the zero setter presetter against a plain surface and aligned if with the outer reference surface. Turn the dial gauge for zero setting.
■Have the cutter touched against the Z zero setter.Once the indicator position at zero the distance between the tool tip to workpiece is 50mm.

Z-Axial Pressor Gauge（Magentic）

Z-量表式Z軸設定器附磁性



型號 Specification	形式 Type	總高度 Chief height	伸縮距離 Flex distance
ZDI-100	量表式	100	3

Universal 3D-Sensor

三軸（3D）設定器



型號 Specification	柄部直徑 Shank diameter	針頭直徑 Needle diameter
3D-D	20	4

Mechanical Edge Sensor

機械式尋邊器



型號 Specification
ME-1020
ME-420

使用說明 / Help

■Φ10 直柄安裝在夾頭上，以手指輕推測定子，使其偏心約0.5mm。
■以400-600/min 的速度轉動，使測定子于加工物端面相接觸，一點點地碰觸移動，使測定子不再振動，宛如静止狀態。
■再以微動進給碰觸，測定子就會朝一個方向滑移，這個滑移起點就是所需尋求的基準位置。
■加工物本身的端面位置就是加上測定子半徑的座標位置。
■不適合在卧式設備上使用。

■Φ10 straight shank head installed in the folder to light that the stator fingers to eccentricity of about 0.5mm.
■The speed of rotation to 400-600/min, so that determination of sub-structures in the processing side face contact, to touch a little bit of movement, so that child is no longer measured vibration, like a static state.
■And then feed in touch fretting determined child would slip in one direction, the slip is a necessary starting point to find the location of the base.
■Processing of the end itself, the location of objects is determined with the coordinates of the location of sub-radius.
■Not suitable for use in cross-type device.

Electronic Edge Sensor

光電式尋邊器



型號 Specification	柄部直徑 Shank diameter	總長度 Total length	測頭 Probe
PM20	20	147	10
PM32	32	147	10

特 點 / Feature

■電池：1.2V
■紅燈指示

■Voltage Of Battery: 1.2V
■With Red LED Light

Spindle Taper Cleaner

清潔棒



型號 Specification
STC30
STC40
STC50

Tool Lock

立卧式鎖刀座



型號 Specification	型號 Specification	型號 Specification
TL-HSK50	TL-SK30	TL-BT30
TL-HSK63	TL-SK40	TL-BT40
TL-HSK100	TL-SK50	TL-BT50

Tool Lock

萬向式鎖刀座



型號 Specification
TLW-BT30
TLW-BT40
TLW-BT50

Trolley For Tool Holder

刀庫車



型號 Specification	裝刀數 Amount
TTH-30	28
TTH-40	28
TTH-50	30

Tooling Sheath

刀柄座



型號 Specification
TS-30
TS-40
TS-50

DEREK

Cutting Conditions

鏜刀切削條件

被加工材料	鏜孔直徑	精加工 A Type			粗加工作 D Type		
		綫速度 V(m/min)	進給 (mm/rev)	切削深度 (mm)	綫速度 V(m/min)	進給 (mm/rev)	切削深度 (mm)
碳鋼(S45C,S50C)	25-33	110-140	0.05-0.15	0.05-0.30	100-130	0.15-0.25	4.2
	32-42	115-150	0.05-0.15	0.05-0.30	105-140	0.15-0.30	5.7
	40-55	115-150	0.05-0.15	0.06-0.35	105-150	0.15-0.30	5.7
	52-70	115-150	0.15-0.2	0.06-0.35	105-150	0.25-0.35	6.3
	120-164	115-150	0.15-0.2	0.07-0.50	105-150	0.30-0.40	6.3
	160-204	115-150	0.15-0.2	0.07-0.50	105-150	0.30-0.40	6.3
合金鋼(SCM,SNCM)	25-33	100-130	0.05-0.15	0.05-0.30	90-120	0.15-0.25	4.2
	32-42	110-140	0.05-0.15	0.05-0.30	100-130	0.15-0.30	5.7
	40-55	110-150	0.05-0.15	0.06-0.35	100-130	0.20-0.30	5.7
	52-70	110-150	0.15-0.2	0.06-0.35	100-130	0.25-0.35	6.3
	120-164	110-150	0.15-0.2	0.07-0.50	100-130	0.30-0.40	6.3
	160-204	110-150	0.15-0.2	0.07-0.50	100-130	0.30-0.40	6.3
不銹鋼(SUS)	25-33	70-100	0.07-0.15	0.12-0.35	60-90	0.12-0.20	4.2
	32-42	80-110	0.07-0.15	0.12-0.35	70-100	0.15-0.25	5.7
	40-55	80-110	0.07-0.15	0.20-0.50	70-100	0.15-0.25	5.7
	52-70	80-110	0.1-0.20	0.20-0.50	70-100	0.20-0.30	6.3
	120-164	80-110	0.1-0.20	0.25-0.75	70-100	0.25-0.35	6.3
	160-204	80-110	0.1-0.20	0.25-0.75	70-100	0.25-0.35	6.3
鑄鋼(FC)	25-33	70-100	0.07-0.15	0.12-0.35	60-110	0.20-0.30	4.2
	32-42	80-110	0.07-0.15	0.12-0.35	60-110	0.25-0.35	5.7
	40-55	80-110	0.07-0.15	0.20-0.50	60-110	0.25-0.35	5.7
	52-70	80-110	0.12-0.2	0.20-0.50	60-110	0.30-0.40	6.3
	120-164	80-110	0.12-0.2	0.25-0.75	60-110	0.30-0.45	6.3
	160-204	80-110	0.12-0.2	0.25-0.75	60-110	0.30-0.45	6.3
鋁合金鋼(AC)	25-33	150-300	0.05-0.15	0.12-0.35	120-300	0.20-0.30	4.2
	32-42	150-360	0.10-0.20	0.12-0.35	150-370	0.25-0.35	5.7
	40-55	150-360	0.10-0.20	0.20-0.50	150-370	0.25-0.35	5.7
	52-70	150-360	0.10-0.20	0.20-0.50	150-370	0.30-0.40	6.3
	120-164	150-360	0.10-0.25	0.25-0.75	150-370	0.30-0.45	6.3
	160-204	150-360	0.10-0.25	0.25-0.75	150-370	0.30-0.45	6.3
特殊鋼(SKD61)	25-33	30-40	0.07-0.15	0.12-0.35	25-35	0.12-0.20	4.2
	32-42	40-45	0.07-0.15	0.12-0.35	30-40	0.15-0.25	5.7
	40-55	40-45	0.07-0.15	0.20-0.50	30-40	0.15-0.25	5.7
	52-70	40-45	0.10-0.2	0.20-0.50	30-40	0.20-0.30	6.3
	120-164	40-45	0.10-0.2	0.25-0.75	30-40	0.25-0.35	6.3
	160-204	40-45	0.10-0.2	0.25-0.75	30-40	0.25-0.35	6.3

Cutting Speed/Power

切削速度和動力

切削速度	$V = \frac{3.14 \times D \times N}{1000}$ (m/min)	V:切削速度(m/min)　D:銑刀直徑(mm) N:轉速(r.p.m)　F:工作臺進給(mm/min) Fz:每刃進給量(mm/tooth)　Z:刃數
進給	$F = Fz \times Z \times N$ (mm/min) $Fz = \frac{F}{Z\ N}$ (mm/tooch)	
所需動力	$W = \frac{Q \times Ks}{60 \times 102 \times \eta}$ (Km) $Hp = \frac{W}{0.75}$ (Km) $Q = \frac{L \times F \times d}{1000}$ (Km) $= \frac{d \times f \times V \times L \times z}{3.14 \times D}$	W:所需動力　HP:所需馬力 Q:排出量　L:切削速度 F:工作臺進給(mm/min)　d:切削深度(mm) Ks:非切削阻擱　η:機械效率

Surface Roughness Formula

表面粗糙度的理論值Rmax的計算公式

$Rmax = \frac{fn^2}{8r} X\ 1000, \mu m$

Rmax：殘留面積高度, μ m
Vertical deviations of the roughness from the mean line

r：刀尖半徑Insert Radius (mm)

fn：每轉進給Feed Rate (mm/rev)

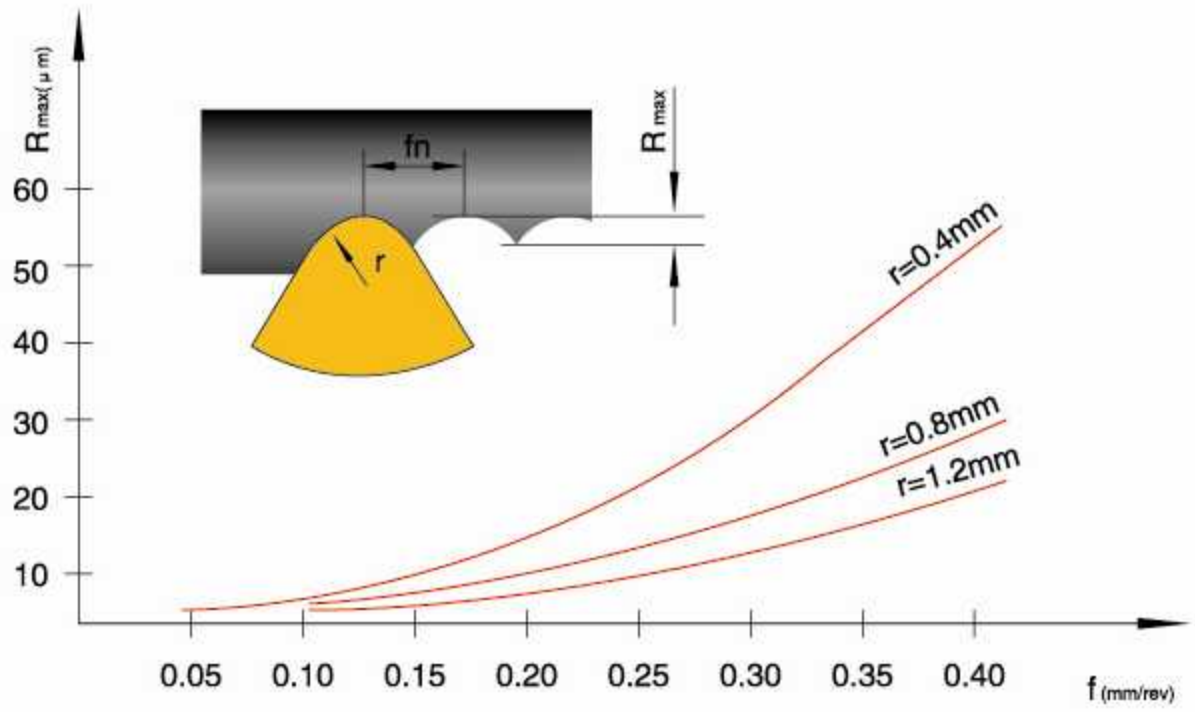


Table of Surface Roughness, Insert Radius & Feed Rate

表面粗糙度與刀尖半徑，進給量的關系表

Rt	Ra	ISO1302	刀尖半徑及進給量（mm/rev） Insert Radius (r) / Feed Rate (mm/rev)			
			r=0.4	r=0.8	r=1.2	r=1.6
▽Rt100	12.5-25	25 ▽	-	0.51	0.69	0.88
▽Rt63	6.3-25	12.5 ▽	0.27	0.43	0.56	0.68
▽Rt40	4.9-6.3	6.3 ▽	0.25	0.37	0.49	0.57
▽Rt31.5	4.0-4.9		0.22	0.32	0.41	0.47
▽Rt25	2.5-4.0	3.2 ▽	0.20	0.28	0.36	0.39
▽Rt16	1.6-2.5		0.15	0.22	0.29	0.31
▽Rt10	1.0-1.6	1.6 ▽	0.10	0.13	0.18	0.20

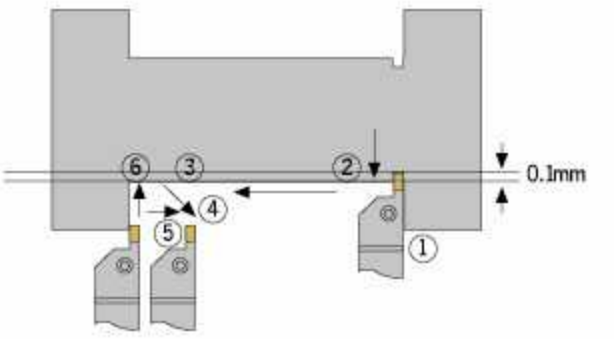
故障	原因	措施
刀具破損	有關于被加工材料時	■ 減少進給量 ■ 減少突出量 ■ 最大限度的減少切削刀刃總的長部
	正常作業時	■ 減少進給量 ■ 初期更換刀具(調整磨損量) ■ 更換夾頭與套筒 ■ 減少突出量 ■ 研磨刀刃使用刃數少的立銑刀(4刃→2刃)
	變更進給方向時	■ 改變進給方向之前減少進經給量 ■ 更換夾頭和套筒
切削刀刃破損	Cornet部損壞	■ 使用手用絲錐畫面切角 ■ 將逆銑變更爲順銑
	切削深度的末端部位破損	■ 將逆銑變更爲順銑 ■ 降低切削速度
	刃口損壞	■ 向刃口增加珩磨量 ■ 降低切削速度 ■ 如果作業過程中發出了"嘩"聲,請增加進給量
	嚴重的缺口現象	■ 降低進給速度 ■ 使用刃數少的立端銑刀 ■ 向刃口增加珩磨量 ■（solid endmill的情况下）將趕幹式作業變更爲濕式作業 ■（brazed endmill的情况下）將趕濕式作業變更爲吹氣的幹式作業 ■ 保持合理的切削速度
發生突發性地磨損現象		■ 發生突發性地磨損現象 ■ 降低進給速度 ■ 將逆銑變更爲順銑 ■ 增加進給速度
加工面的粗糙度不良	表面粗糙時	■ 降低進給速度 ■ 使用刃數多的立端銑刀((2刃→4刃)
	形成積屑刃口	■ 增加切削速度 ■ 采用濕式切削方式 ■ 向刃口增加微細的珩磨量 ■ 將逆銑變更爲順銑
	加工面上形成橫向條紋	■ 向刃口增加微細的珩磨量 ■ 使用不溶性切削油 ■ 將逆銑變更爲順銑
發生振動		■ 增加進給量 ■ 變更切削速度 ■ 減少突出量 ■ 粗削作業時采用雙刃立銑刀 ■ 正常作業時采用4刃立端銑刀,將逆銑變更爲順銑

損傷類型		工具材料及材質的選擇	工具形狀的選擇	切削條件的選擇	相關被加工材料
磨損	機械性磨損	選擇屬于同一個系列,且耐磨損性高的材料	增加刃後角,增加副切削角,增加刃口半徑減少珩磨量	降低切削速度,調爲便理的進給速度,使用適宜的切削油	硬質材料
	熱磨損	選擇屬于同一個系列,且耐磨損性高的材料	適當地調整刃後角,副切削角,刃口半徑	降低切削速度,減少切削量使用適宜的切削油(可以使用切削油)	硬質材料
	溶着擴散磨損	選擇屬于同一個系列,且耐磨損性高的材料	增加傾斜角	降低切削速度,減少切削量使用適宜的切削油	鋼系材料
	壓縮物分離磨損	選擇屬于同一個系列,且耐磨損性高的材料	傾斜角選擇最適合的材質的角度增加副切削角,減少珩磨量	降低切削速度,減少切削量使用適宜的切削油	N系耐熱合金Co系耐熱合金不銹鋼高强力鋼
	化學性磨損	使用陶瓷, 金屬陶瓷材料	適當地增加刃後角	降低切削速度,減少進給量,使用幹式或含少極壓添加劑的切削油	一般材料
	熱龜裂	使用高韌性材料	采用刃口部位角度及刃口半徑的熱發生較少的形狀	降低切削速度,減少進給量,使用幹式切削方式	鋼系材料
	燒成變形	采用抗壓能力强的材料	增加刃後角,傾斜角,刃口半徑,減少主切削角,珩磨量	降低切削速度,進給幅度以及切削量,采用滄桑却效果好的切削油	硬質ROLL
	缺口	使用高韌性材料	減少刃口部位角,增加刃口半徑增加珩磨量	選擇適宜的切削速度,減少進給量	一般材料
	發黑	采用磨損性好的的材料	減少傾斜角,增加錐角,增加珩磨量	減少進給量,減少切削量,使用切削油(可以使用的切削油)	一般材料,硬質材料
缺損	機械性重復引起的衝撞缺損	使用高韌性材料	減少刃口部位角,增加刃口半徑增加珩磨量	選擇適宜的切削速度,減少進給量,選擇適宜的切削量	一般材料
	熱衝撞缺損	使用高韌性材料	采用刃口部位角度及刃口半徑的熱發生較少的形狀,減少珩磨量	降低切削速度,減少進給量,減少切削量,采用幹式切削方式	一般材料
	熱缺損	使用耐磨性好的材料	采用刃口部位角度及刃口半徑的熱發生較少的形狀,減少珩磨量	降低切削速度,減少進給量,減少切削量,使用適宜的切削油	一般材料,硬質材料
	壓榨分離缺損	使用高韌性材料	減少傾斜角,增加刃口半徑,增加珩磨量	提高切削速度,增加進給量,使用潤滑性能高的切削油	N系耐熱合金Co系耐熱合金不銹鋼高强力鋼
	燒成變形缺損	使用耐磨性好的材料,金屬陶瓷材料不適合	調整爲適宜的刃後角,傾斜角,減少主切削角,減少刃口半徑,減少珩磨量	降低切削速度,減少進給量,使用適宜的切削油,對陶瓷材料不使用	一般材料,硬質材料
	切削刃的粗糙度引起的缺損	使用高韌性材料	謹慎進行刀具研磨,降低磨石的顆粒度,注意刃口的研磨方向	降低切削速度,減少進給量,減少切削量	一般材料
	研磨變形及銅焊接變化引起的缺損	使用高韌性材料,不行使用陶瓷,金屬陶瓷材料	考慮絲錐的柄部的厚度比謹慎進行研磨操作,銅焊接時緩緩退火	降低切削速度,減少進給量,減少切削量	一般材料

切斷/Parting-off Tool

1.當刀片接近工件中心，應降低切削速度30%，有利于提高刀片壽命和表面質量。
2.在允許的情况下，盡可能選用懸伸小的刀柄，以保證良好的穩定性。

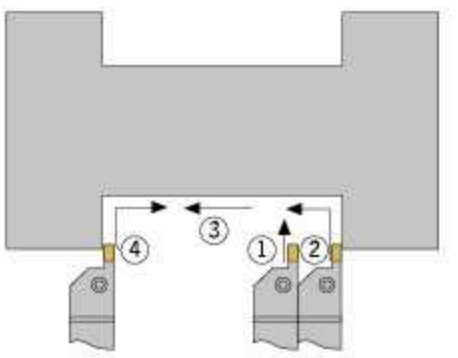
1.When the insert was close to the workpiece, should reduce 30% of cutting speed to improve the insert lifetime and surface quality.
2.In Prem,if allowed,in order to keep stability,please choose the holder as short as we can.



外圓切槽和車削,仿形車削
External grooving turning,and profiling

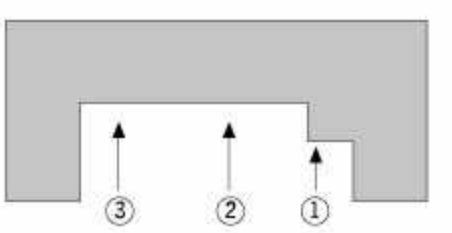
走刀順序：切削深度＞0.5mm時，徑向進刀（最大切深可0.75*刀片刃寬S）→徑向退刀0.1mm左右→軸向走刀→斜向退刀→軸向走刀→徑向加工到所需深度。
切削底經或倒角（精加工）時，采用如圖所示操作順序，可减小刀具與切屑的摩擦而引起的小振動。

The sequence of feed: during depth of cut ＞0.5mm, radial direction feeding(deepest depth of cut can reach 0.75*insert blade width S)→radial direction retract around 0.1mm→axial direction feeding→slant direction retract axial direction feeding→radial direction processing till to reach the required depth.
During cutting or chamfering (finish machining), operate as the sequence shown in this figure will reduce the small vibration generated from the cutting tools and the friction during cutting.



端面切槽和車削
Face Grooving and Turning

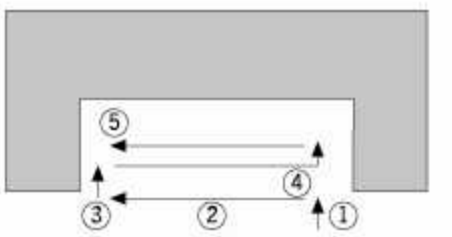
■粗加工（多槽切削）Rough machining(multiple-grooved cutting)
從最大直徑向内切削，退刀時，刀片稍向内邊緣偏移。如圖示（1）
During retract after cutting from the biggest diameter to inner, shift the insert to the inner edge a little. As shown in figure(1)



圖示（1）
Figure1

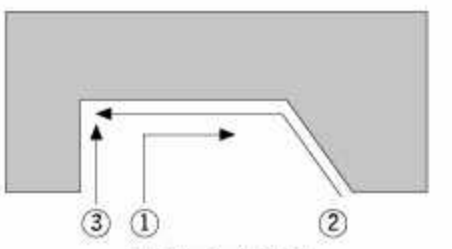
■凹槽車削/Recessing
軸向車削深度不超過0.75*S（刀片刃寬）
槽寬大于槽深，建議使用凹槽車削，如圖示（2）
槽深大于槽寬，建議使用采用多槽切削。

Axial direction turning depth not exceeding 0.75*S (insert blade width);
when groove width is bigger than groove depth, it is suggested to use recessing tool, as shown in figure(2);
when groove depth is bigger than groove width, it is suggested to use multiple-grooving turning.



圖示（2）
Figure2

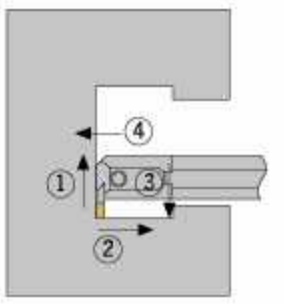
■精加工/Finishing
先精加工底部和外徑邊緣，再將内徑精加工到所需尺寸。如圖示（3）
First to finish machine the bottom and outer diameter edge, and then finish machine the inner diameter to the required dimensions.As shown in figure(3)



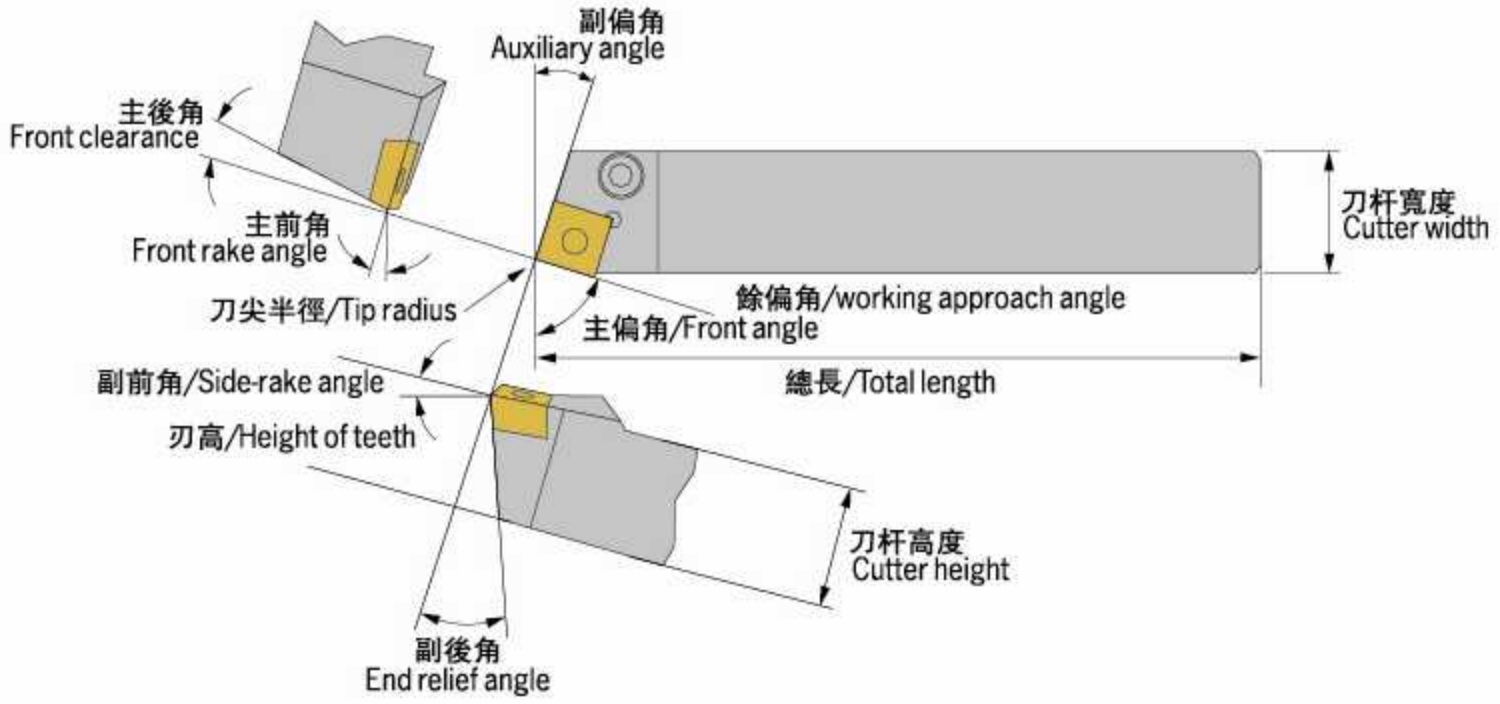
圖示（3）
Figure3

内孔切槽車削/Internal Grooving and Turning

■采用圖示的加工順序/Internal grooving tools
便于切削流出，總是從遠離孔端面的方向開始向外進給。
Using the processing sequence as shown in this figure
For better cutting outflow, always feed outward from the direction that far from the hole end face.



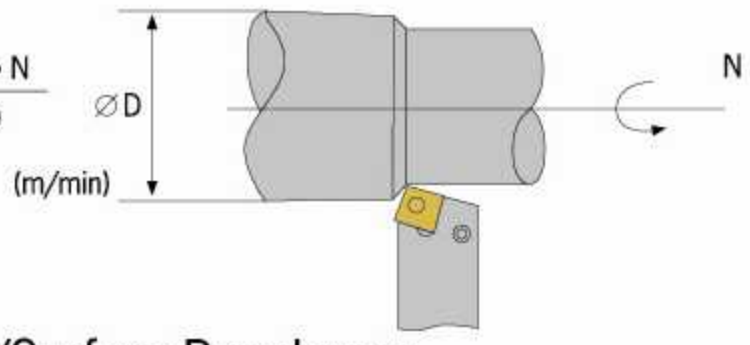
車削刀杆技術資料/Technical Guide of Turning tools



常用切削公式/Common Formulas of Cutting

■切削速度/Cutting Speed

$$V = \frac{\pi \cdot D \cdot N}{1000} \quad (m/min)$$



V: 切削速度(m/min)
D: 工作直徑(mm)
N: 轉數（rpm）
π: 圓周率（3.14）

■進給/Feed

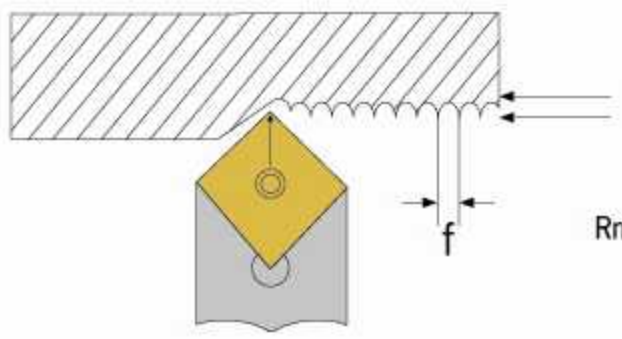
$$f = \frac{F}{N} \quad (m/min)$$

f: 每轉進給（m/rev）
F: 每分鐘進給（m/min）
N: 轉數（rpm）

■表面粗糙度/Surface Roughness

理論表面粗糙度/Theory surface roughness

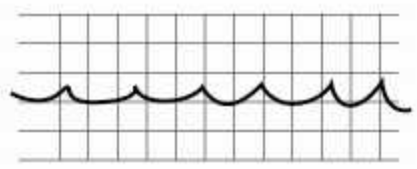
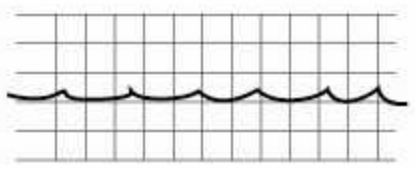
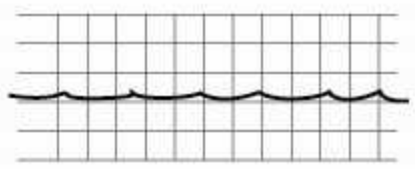
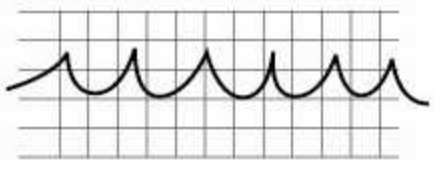
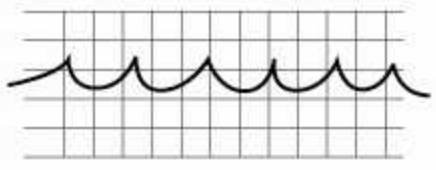
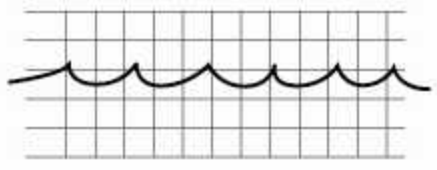
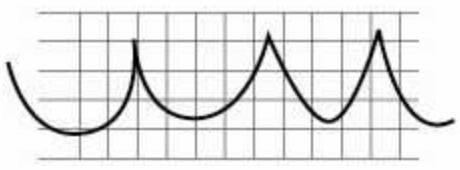
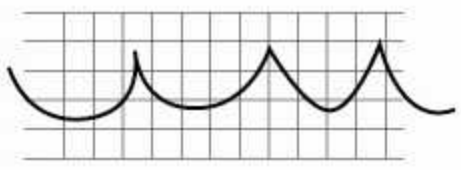
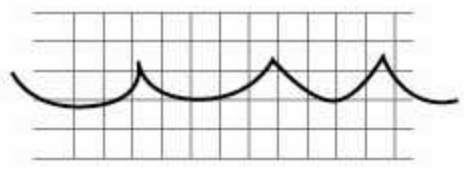
$$Rmax = \frac{f^2}{8r} 1000 \ (\mu)$$



Rmax: 最大粗糙度（μ）
f: 每轉進給（mm/rev）
r: 刀尖半徑

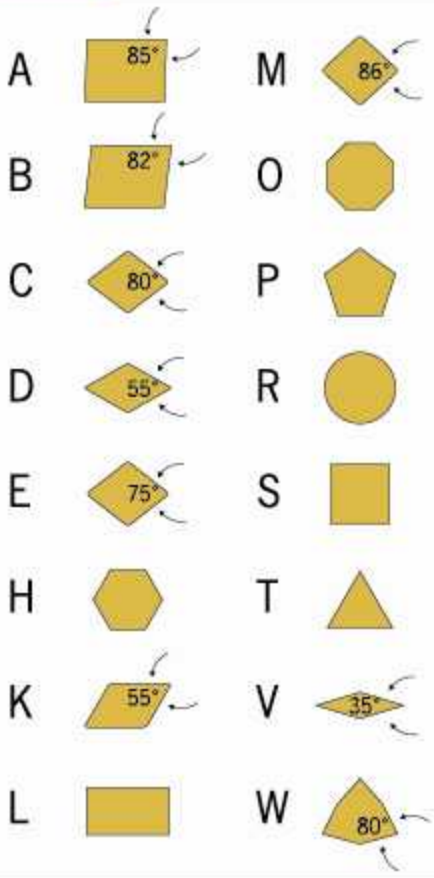
■刀尖半徑和進給對粗糙的影響

Effects on Roughness from Cutting Feed and Nose Radius

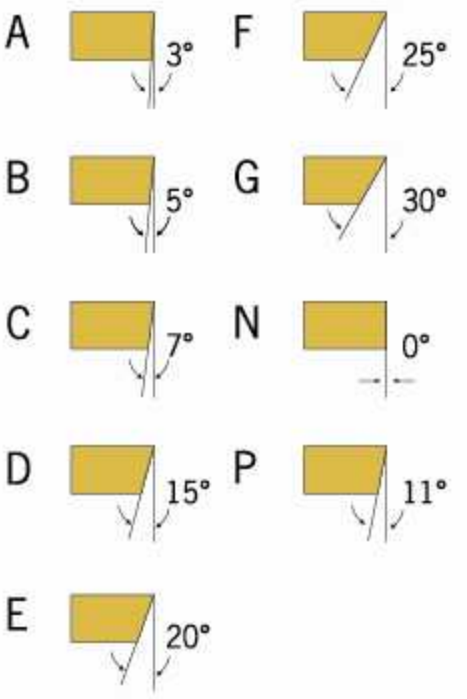
進給量/Cutting Feed \ 刀尖半徑/Insert Radius	0.4	0.8	1.2
0.15			
0.26			
0.46			

R	P	M	T	10	T3	MO	S	-R	M	-G5	R
1	2	3	4	5	6	7	8	9	10	11	12

1 刀片形狀 Shape

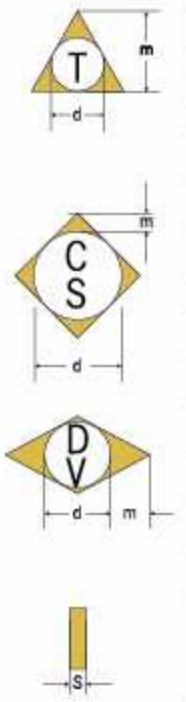


2 後角 Clearance Angle



3 公差 Tolerance

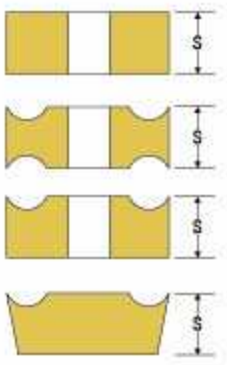
允許偏差範圍（mm）



	d	m	s
A	±0.025	±0.005	±0.025
C	±0.025	±0.013	±0.025
E	±0.025	±0.025	±0.025
F	±0.013	±0.005	±0.025
G	±0.025	±0.025	±0.130
H	±0.013	±0.013	±0.025
J[1]	±0.05-0.15[2]	±0.005	±0.025
K[1]	±0.05-0.15[2]	±0.013	±0.025
L[1]	±0.05-0.15[2]	±0.025	±0.025
M	±0.05-0.15[2]	±0.08-0.20[2]	±0.130
N	±0.05-0.15[2]	±0.05-0.20[2]	±0.025
U	±0.08-0.25[2]	±0.13-0.38[2]	±0.130

1、修光刃经磨削
2、根据刀片规格而定（参见ISO1832）

6 刀片厚度 Thickness



01 s=1.59
T1 s=1.98
02 s=2.38
T2 s=2.78
03 s=3.18
T3 s=3.97
04 s=4.76
05 s=5.56
06 s=6.35
07 s=7.94
09 s=9.52

7 刀尖圓角 Radius



01 r=0.1
02 r=0.2
04 r=0.4
08 r=0.8
12 r=1.2
16 r=1.6
24 r=2.4

R 00用于以英寸單位換算成mm單位的直徑

MO用于以米制單位的直徑。

主偏角



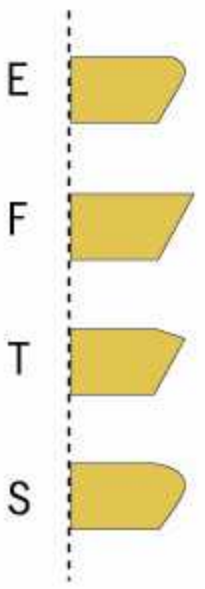
A=45°
D=60°
E=75°
F=85°
P=90°
Z=其他
主偏角

修光刃的後角



A=3°
B=5°
C=7°
D=15°
E=20°
F=25°
G=30°
N=0°
P=11°
Z=其他後角

8 切削刃形狀 Shape Of Cutting Edge



9 加工類型 Processing Type

F	精加工 Finishing
SF	半精加工 Semi-Finishing
R	粗加工 Roughing

4 切削及加緊特徵 Holding Type

A

B
β =70-90°

C
β =70-90°

F

G

H
β =70-90°

J
β =70-90°

M

N

Q
β =40-60°

R

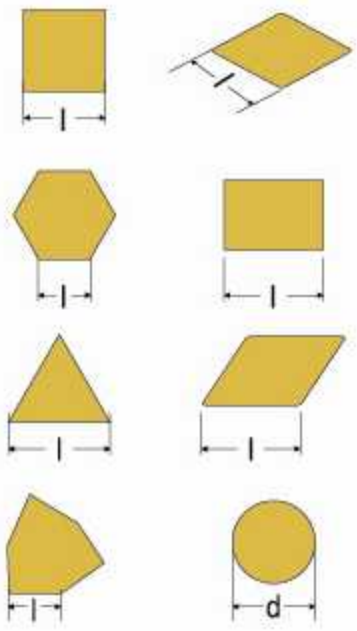
T
β =40-60°

U
β =40-60°

W
β =40-60°

X 必须提供图纸和精确说明

5 刀刃長度 Cutting Edge Length



10 材料 Work Piece

- P = 鋼件 Steel
- M = 不銹鋼 Stainless Steel
- K = 鑄鐵 Cast Iron
- N = 鋁和有色金屬材料 Aluminum Steel Non-ferrous
- S = 耐熱合金 Heat-resisting Steel
- H = 高硬度材料 Hardened Steel

11 材料硬度 Hardness Of Work Piece

G1,G2,G3,G4,G5,G6.根据数字大小排列硬度等级，越大数字硬度越高。

12 生產廠商代碼 Manufacturer Code

ISO编码包括9个标志，其中标志8和／或标志9仅在需要时才使用。生产厂商可引入其他标志，这些标志需要连字符连接在ISO编码后（例如说明槽型的标识符号）。

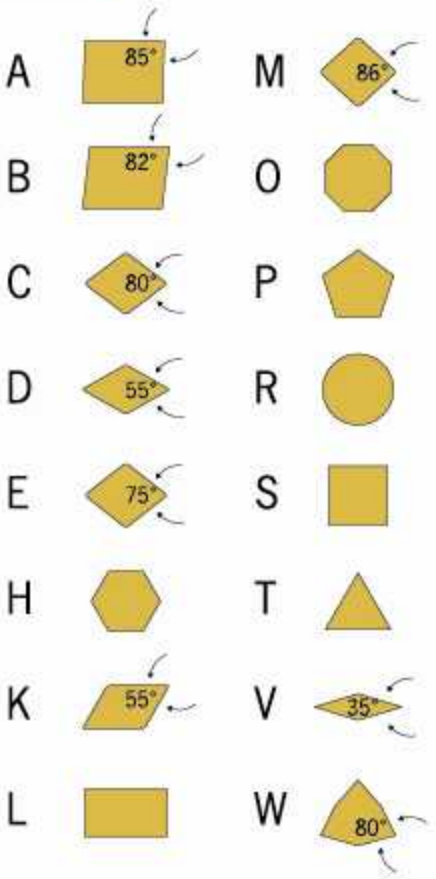
特殊加工材質：

MC20，MC30塗層金屬陶瓷刀片　UMC20未塗層金屬陶瓷刀片　NA20無塗層硬質合金刀片鋁合金加工材質

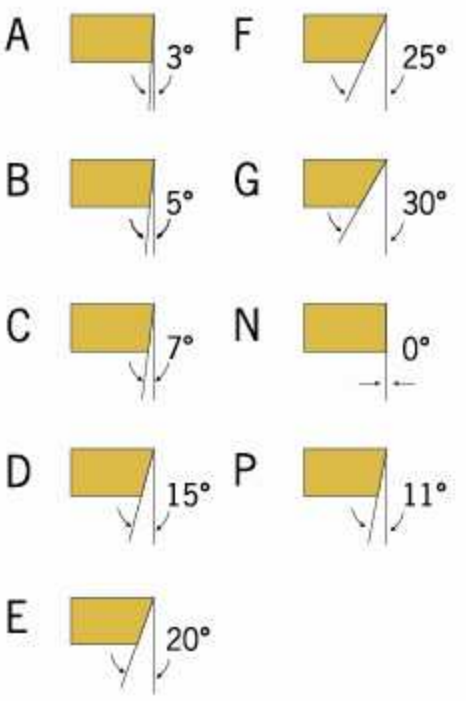
MC20, MC30 Ceramic Insert With Coating　UMC20 Ceramic Insert Without Coating　NA20 For Aluminium

T	N	M	G	22	04	08	-DM	-F	P	-G3	Z
1	2	3	4	5	6	7	8	9	10	11	12

1 刀片形狀 Shape

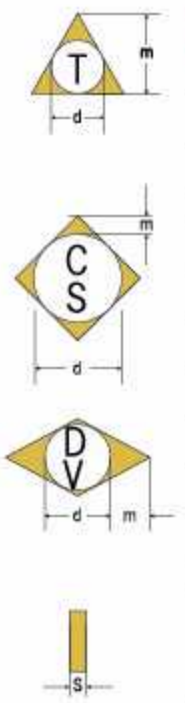


2 後角 Clearance Angle



3 公差 Tolerance

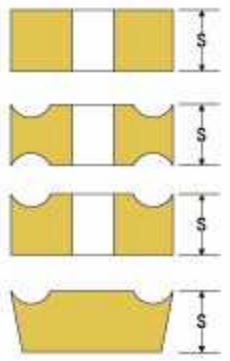
允許偏差範圍（mm）



	d	m	s
A	±0.025	±0.005	±0.025
C	±0.025	±0.013	±0.025
E	±0.025	±0.025	±0.025
F	±0.013	±0.005	±0.025
G	±0.025	±0.025	±0.130
H	±0.013	±0.013	±0.025
J[1]	±0.05-0.15[2]	±0.005	±0.025
K[1]	±0.05-0.15[2]	±0.013	±0.025
L[1]	±0.05-0.15[2]	±0.025	±0.025
M	±0.05-0.15[2]	±0.08-0.20[2]	±0.130
N	±0.05-0.15[2]	±0.05-0.20[2]	±0.025
U	±0.08-0.25[2]	±0.13-0.38[2]	±0.130

1、修光刃经磨削
2、根据刀片规格而定（参见ISO1832）

6 刀片厚度 Thickness



01 s=1.59
T1 s=1.98
02 s=2.38
T2 s=2.78
03 s=3.18
T3 s=3.97
04 s=4.76
05 s=5.56
06 s=6.35
07 s=7.94
09 s=9.52

7 刀尖圓角 Radius



01 r=0.1
02 r=0.2
04 r=0.4
08 r=0.8
12 r=1.2
16 r=1.6
24 r=2.4

R 00用于以英寸單位換算成mm單位的直徑

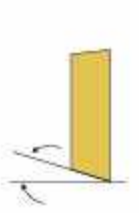
MO用于以米制單位的直徑。

主偏角



A=45°
D=60°
E=75°
F=85°
P=90°
Z=其他主偏角

修光刃的後角



A=3°
B=5°
C=7°
D=15°
E=20°
F=25°
G=30°
N=0°
P=11°
Z=其他後角

8 斷屑槽代號 Chip Breaker Groove Code

DF	ER
DM	NF
DR	NM
HF	SF
HM	PM
HR	HR
EF	WG
EM	

9 加工類型 Processing Type

F	精加工 Finishing
SF	半精加工 Semi-Finishing
R	粗加工 Roughing

4 切削及加緊特徵 Holding Type

A

B
β =70-90°

C
β =70-90°

F

G

H
β =70-90°

J
β =70-90°

M

N

Q
β =40-60°

R

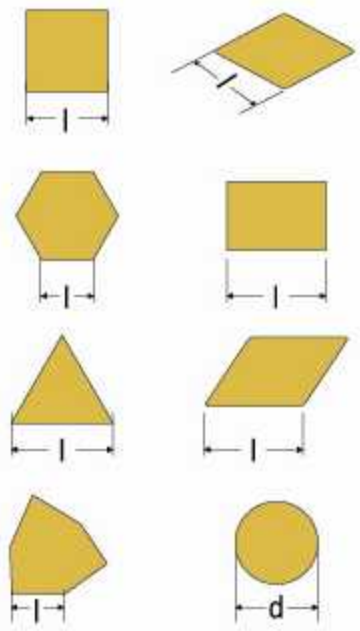
T
β =40–60°

U
β =40-60°

W
β =40-60°

X 必须提供图纸和精确说明

5 刀刃長度 Cutting Edge Length



10 材料 Material

- P = 鋼件 Steel
- M = 不銹鋼 Stainless Steel
- K = 鑄鐵 Cast Iron
- N = 鋁和有色金屬材料 Aluminum other non-ferrous
- S = 耐熱合金 Heat-resist Steel
- H = 高硬度材料 Hardened Steel

11 材料硬度 Material Hardness

G1,G2,G3,G4,G5,G6.根据数字大小排列硬度等级，越大数字硬度越高。

12 生產廠商代碼 Manufacturer Code

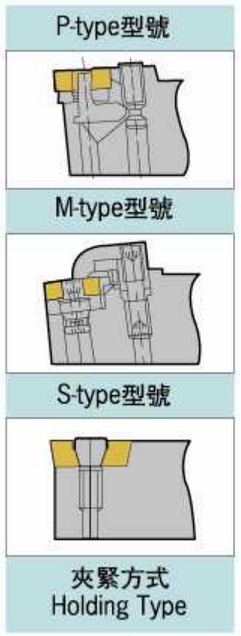
ISO编码包括9个标志，其中标志8和／或标志9仅在需要时才使用。生产厂商可引入其他标志，这些标志需要连字符连接在ISO编码后（例如说明槽型的标识符号）。

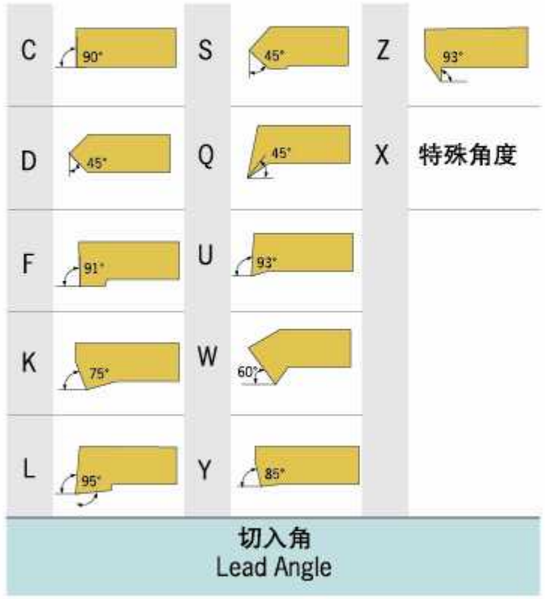
特殊加工材質：

MC20，MC30塗層金屬陶瓷刀片　UMC20未塗層金屬陶瓷刀片　NA20無塗層硬質合金刀片鋁合金加工材質

MC20, MC30 Ceramic Insert With Coating　UMC20 Ceramic Insert Without Coating　NA20 For Aluminium

TECHNICAL DATA





S	25	R	-	M	C	L	N	R	12

材質 Material

S	鋼 Steel
H	高速鋼 Hign-Speed Steel
C	硬質合金 Carbide Steel
A	鋼柄帶內冷 Steel With Coolant Hole
E	硬質合金帶內冷 Carbide Steel With Coolant Hole

柄的直徑 Dia

長度(mm) Length

D	60	Q	180
E	70	R	200
F	80	S	250
G	90	T	300
H	100	U	350
K	125	V	400
M	150	W	450
N	160	Y	500

刀片形狀 Insert / 刀片形狀 Shape

C	四邊形 頂角80°	P	正五邊形
D	菱形 頂角50°	R	圓形
H	正六邊形	S	正方形
K	平行四邊形 頂角55°	T	正三角形 60°
L	正方形	V	四邊形 頂角35°
O	正八邊形	W	特殊六角形

刀片逃隙角 Relief Angle

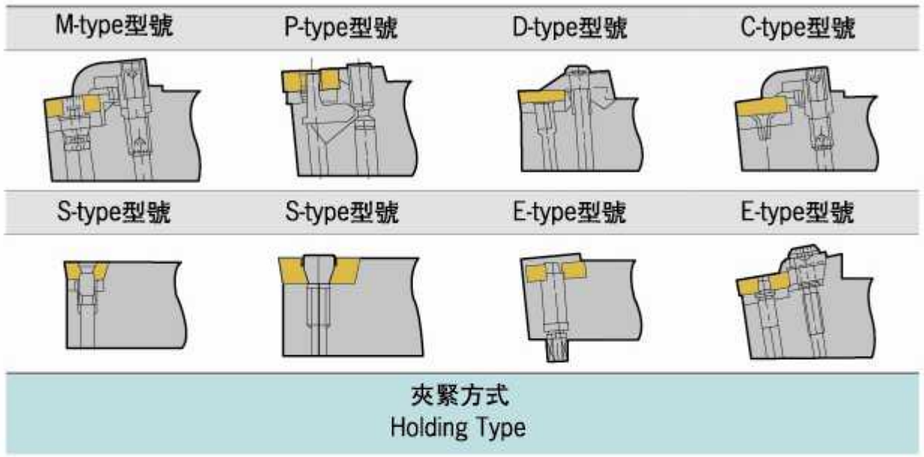
N	N
B	B 5°
C	C 7°
P	P 11°

方向 Hand Of Tool

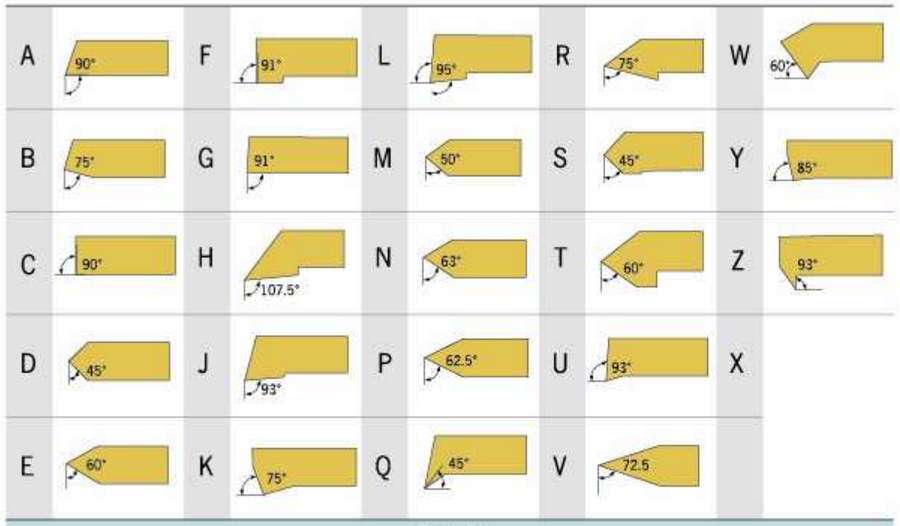
R	右
L	左

切刃長 Cutting Length

A.B.K L
C.D.E M.V L
H
L
O
P
R
S
T
W



夾緊方式
Holding Type



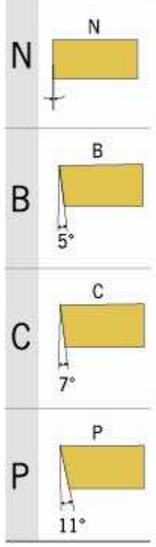
切入角
Lead Angle

M	C	L	N	R	25	25	M	12

刀片形狀 Inserts

C	四邊形 頂角80°	P	正五邊形
D	菱形 頂角50°	R	圓形
H	正六邊形	S	正方形
K	平行四邊形 頂角55°	T	正三角形 60°
L	正方形	V	四邊形 頂角35°
O	正八邊形	W	特殊六角形

刀片逃隙角 Relief Angle



方向 Hand of Tool



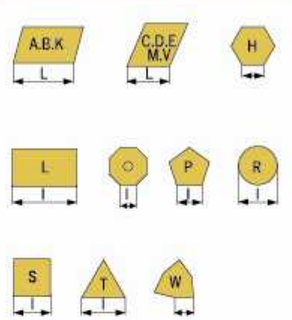
高度H(mm) H / 寬度 B(mm) B



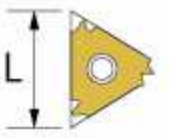
長度(mm) Length

A	30
B	40
C	50
D	60
E	70
F	80
G	90
H	100
K	125
M	150
P	170
R	200
S	250

切刃長 Cutting Length



螺紋刀的型號說明示範

S	E	R	2020	K	16	
鎖緊方式 Holding Type	刀杆類型 Cutter Type	切削方向 Hang of Tool	刀柄尺寸 Holder Size	長度mm Bar Length	刀片尺寸 Insert Size	
S螺絲 Screw	I內徑 Interal	R右手	外徑刀杆刀方 2020=20X20	F80		B 帶冷却液孔
C壓板 Clarp	E外徑 External	L左手	內徑刀杆直徑 0020=直徑20	H100		C 硬質合金
				K125		V 立式
				M150		D 頭部下降刀杆
				N160		G 橫向刀杆
				P170		U U型刀杆
				Q180		
				R200		
				S250		
				T300		
				U350		
				V400		

整體硬質合金立銑刀命名規則

刀具系列 End Mill System	
DG	通用加工 For General Purpose
DP	高性能通用加工 For High Performance
DH	硬加工 For Hardened Steel
DL	铝加工 For Aluminum

刀尖圆弧半径或球头铣刀圆弧 Radius Of Nose Or Radius Of Ball-nose Head	

总长 Total Length Of End Mill	

刀具类型 End Mill Type	
E	尖角保护平头铣刀 Square Head With Cusp Protected
F	尖角型平头铣刀 Square Head
B	球头铣刀 Ball nose
R	圆弧铣刀 With Radius
W	波刃型铣刀 Corrugated Edge

结构类型 Structure Type	
S	微小径 Micro Diameter
P	直颈 Straight Neck
C	锥颈 Taper Neck
缺省 Default	标准型 Standard

DG D12 R1.5 M08 75 2T E L R

刀具直径 Diameter Of End Mill	

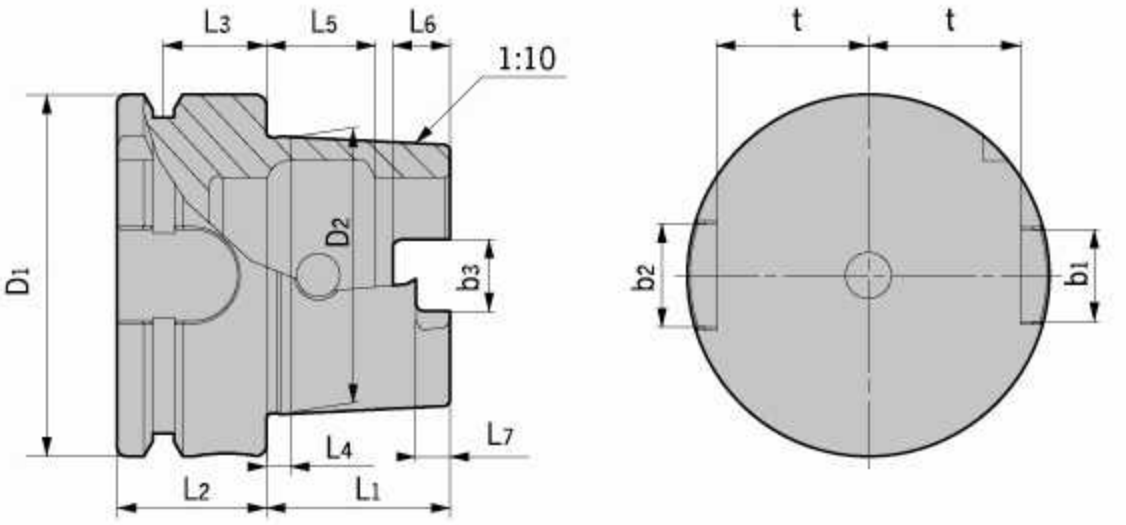
其它 Other	
G	30度螺旋角四刃平头铣刀 30e Taper 4-flute Flattened End Mills
M	颈长 Neck Length
S	细柄型：∅4mm Slim Shank:∅ 4mm
AIR	铝合金超高速铣刀 Extra-high-speed End Mills For Machining Aluminum Alloy

刃数 No. Of Flute	

长度系列 Length Category	
L	长刃性 Long Cutting Edge
X	特长刃性 Extra Long Cutting Edge
F	断刃型 Short Cutting Edge
缺省 Default	标准长度系列 Standard

HSK Tool Holder Specification

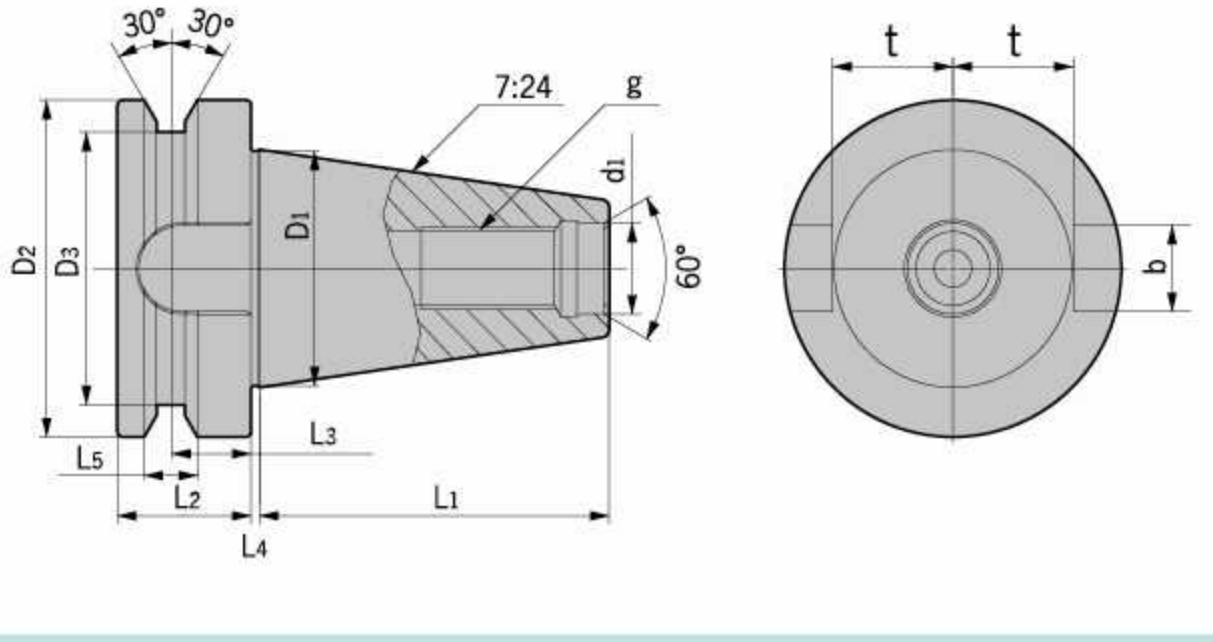
HSK柄詳細圖



型號 Specification	D1	D2	L1	L2	L3	L4	L5	L6	L7	b1	b2	b3	t
HSK40A	40	30.007	20	20	16	4	11.42	6	3.5	11	9	8.05	17
HSK50A	50	38.009	25	26	18	5	14.13	7.5	4.5	14	12	10.54	21
HSK63A	63	48.010	32	26	18	6.3	18.13	10	6	18	16	12.5	26.5
HSK100A	100	75.013	50	29	20	10	28.56	15	10	22	20	20	44

BT Tool Holder Specification

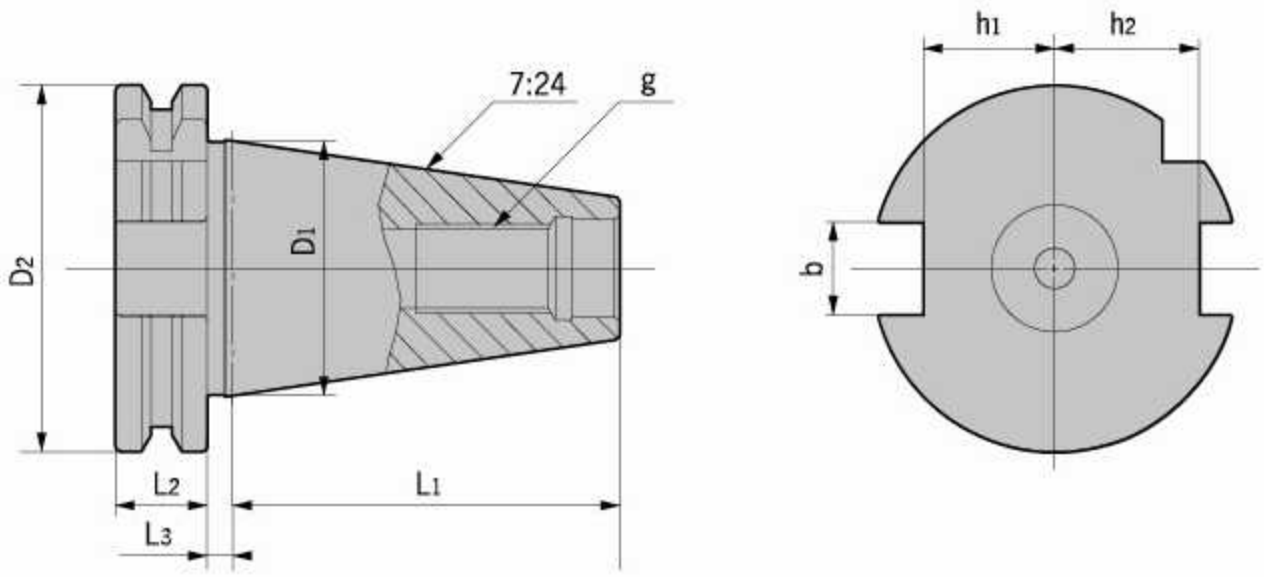
BT柄詳細圖



型號 Specification	D1	d1	L1	D2	D3	L2	L3	L4	L5	b	t	g
BT30	31.75	12.5	48.4	46	38	20	13.6	2	8	16.1	16.3	M12
BT40	44.45	17	65.4	63	53	25	16.6	2	10	16.1	22.6	M16
BT50	69.85	25	101.8	100	85	35	23.2	3	15	25.7	35.4	M24

SK Tool Holder Specification

SK柄詳細圖



型號 Specification	D_1	D_2	L_1	L_2	L_3	b	h_1	h_2	g
SK30	31.75	50	47.8	15.9	3.2	16.1	16.4	19	M12
SK40	44.45	63.55	68.4	15.9	3.2	16.1	22.8	25	M16
SK50	69.85	97.50	101.75	15.9	3.2	25.7	35.5	37.7	M24

螺絲安裝刀片說明

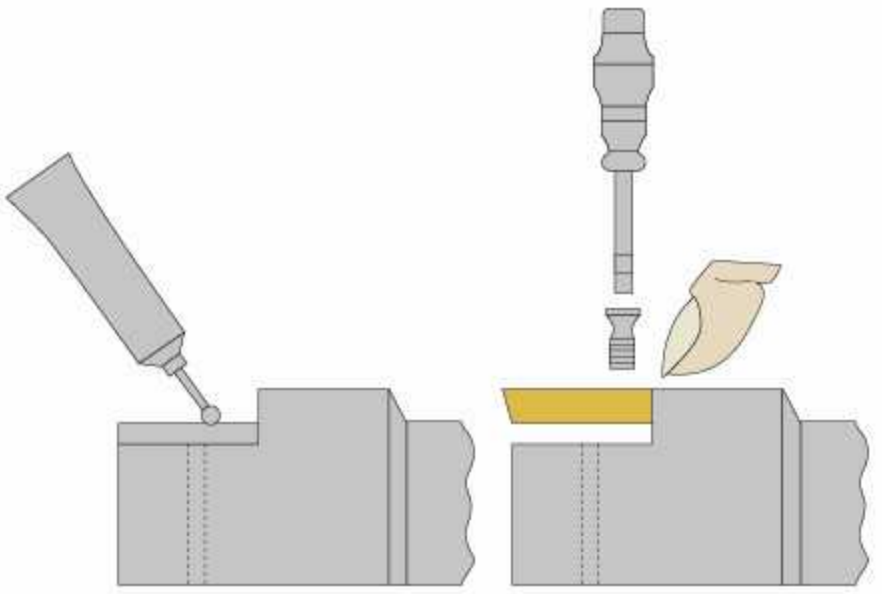
1.在刀片安裝時，必須用螺絲防卡劑按常規塗到刀具本體螺孔的螺紋上。

2.在扭緊螺絲之前，應以手指壓住後端以確保刀片的下表面和墊片相靠合。

3.刀片决不能靠緊固螺絲將它拖到位置上，這樣會使它提升到錯誤的位置并使擰緊失效。

4.在擰緊螺絲時，建議采用我們的扳手或扭矩扳手以使螺絲不被擰壞并確保安裝正確。

5.上述安裝方法適用于所有用中心螺絲固定刀片的刀具上。



Installation instructions of screw and insert

1.Before assembling inserts.with tool holder,please oil the sciew hole of tool holder with anti — seize lubricant;

2.Before locking,please make sure the insert and shim connect without ang problem;

3.Please don't fit inserts only by screws,or inserts will be misplaced and it will cause failure in locking

4.When locking the screws, we suggest using our wrench or torque wrench to avoid any damage and make sure the accemble is right.

5.The above mentioned assembling method is suitable for all the cutting tools with the center screws to fix the inserts.

注意事項/NOTES

安裝刀具，拆卸刀具時注意事項
Notices on assemble and unassemble of toolings.

❶ 請將刀柄牢固的固定在卸刀夾具上，然後再進行刀具的安裝與拆卸操作。
Before assemble and unassemble of toolings,please lock todings on the tooling lock device

❷ 在安裝刀具時請勿將手直接與刀刃接觸，防止將手劃傷。
Please don't touch cutting edge in case hurt.

❸ 爲了保證刀具的安全安裝，請務必使用我公司提供的緊固扳手。
In order to ensure security, please choose the wrenches we supply.

❹ 在將刀具安裝上機床上時，請務必確認刀具上所有的緊固件已被鎖緊。
please Make sure all fasteners are fixed properly when assembling.

加工時注意事項
Notices of processing

❶ 請勿接觸旋轉中的刀柄或刀具。
Do not touch the rotating tool holders and cutting tools.

❷ 加工時請穿戴防護服與目鏡，防止飛濺的高温切屑的傷害。
Please wear the protective clothing and eyepiece when processing in order to protect you from the damage by flying at a high temperature.

❸ 加工時爲了防止意外事故的發生，在刀具旋轉時請勿打開機床的防護門。
In order to prevent accidents in the proccssing Please do not open the protection door of the machine when the machine is under working .

刀具長期保養注意事項
Notices of the long-term maintenance of the cutting tools.

❶ 刀具長期不使用時，請將刀具從刀柄上拆卸下來，否則會導致刀柄的夾持力和夾持精度的下降及聯接面的綉蝕。
Please remove the cutting tools from tool holder when it is not used for a large time,or the clamping force and precision gripping of the tool holder will be declined and the connecting surface will be rusted.

❷ 保存前請將刀具，刀柄上的切屑切削液清理幹净，并進行適當的防銹處理，如塗覆防銹油等。
Please clean the cutting fluid on cutting tools and tool holder before storing,and also perform rust—proof treatment properly.

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寧波德克刀具有限公司
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德克刀具系統



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2014-2015