



# PRECISION BORING HEAD SERIES

## 搪孔系列



# 與時俱進 先端製造

KEEP UP WITH THE TIMES & PROACTIVE ADVANCED MANUFACTURING



鑽孔系列  
Drilling series



倒角系列  
Chamfering Series



面銑刀系列  
Face Milling Series



攻牙系列  
Tapping Series



VDI固定刀座系列  
VDI Precision Tool  
Holder Series



側銑系列  
Side Milling Series



精密刀桿-PSC主軸  
PSC Precision  
Tool Holder



PSC主軸-搪頭系列  
PSC-Boring Series

2011-2013

TSD快速鑽頭  
TSD High Speed Drill

SSP倒角刀 **PAT.**  
SSP Indexable Chamfer Milling Cutter

側銑刀系列  
Side Milling Series

VDI固定刀座  
VDI Precision Tool Holder Series

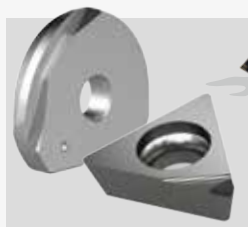
2014-2016

可調式面銑系列  
Adjustable Face Milling Series

攻牙系列  
Tapping Series

PSC主軸  
PSC Precision Tool Holder





刀片系列  
Inserts Series



DP減震系列  
DP Anti-Vibration Series



車銑複合系列  
Turn-Mill Series



角度頭系列  
Angle Head Series



倒角系列  
Adjustable  
Chamfering Series



倒角系列  
Special  
Chamfering Series



負角面銑系列  
Negative Angle Face  
Milling Series



自動化周邊工具系列  
Accessories For  
Automatic Machines



量測 / 燒結系列  
Measuring/Shrinking-Fit Series

2017-2019

DP減震系列-車/搪  
DP Anti-Vibration  
Series-Turning/Boring

車銑複合系列  
Turn-Mill Series

角度頭系列  
Angle Head Series

刀片系列  
Inserts Series

2020-2021

倒角系列  
Chamfering Series

自動化管理  
Accessories For  
Automatic Machines

設備系列  
Measuring/Shrinking-Fit Series

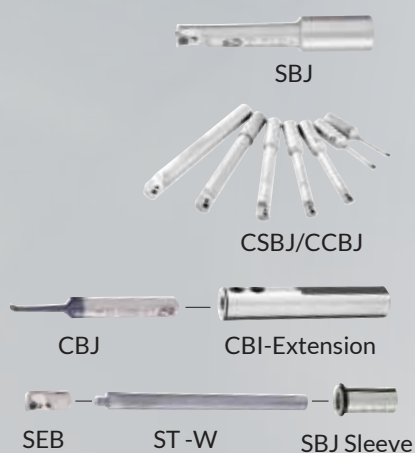
負角刀系列  
Negative Angle Face Milling Series

# Boring

搪孔模組化示意圖

Modular Combination

搪刀類  
Boring Cutter



搪頭類  
Boring Head



延長桿類  
Extension



MCK  
CK



MCK.CK  
Boring Head Shank



# BST



BST  
Boring Head Shank

## 搪頭類 Boring Head



SMB大孔徑(精搪)  
Large Dia. Finish Boring Head



SRW大孔徑(粗搪)  
Large Dia. Roughing Boring Head



CBH大孔徑(精搪)  
Large Dia. Finish Boring Head



RBH-LA大孔徑(粗搪)  
Large Dia. Roughing Boring Head



RBH120.160大孔徑(粗搪)  
Large Dia. Roughing Boring Head



RBH200以上大孔徑(粗搪)  
Large Dia. Roughing Boring Head

# NBH



BT/NT 粗 / 精搪孔頭刀桿  
BT/NT Boring Head Shank



NBH2084S 精密搪孔頭  
NBH2084S Precision Boring Head



SBJ-20 替換式搪孔刀柄  
SBJ-20 Interchangeable Boring Cutter

# Boring Head

## SMB特點

搭配MCK系列刀桿並可與CK系統刀桿相容，另有PSC三角錐結構可與BT-PSC刀桿結合，並採模組化設計，連結不同長度之延長桿，解決加工需求並有更多的搭配性。

微調單位:每刻度移動量為0.01mm。

替換式刀座設計，可模組化組合使用。

Suitable for combining with MCK series of tool holders as well as CK series of tool holders. Another PSC structure can be combined with BT-PSC arbor, The modular design connects the extension rods of different lengths to solve the processing needs and has more matching. Micro-adjustment unit: each unit is 0.01mm. The insert seat has an exchangeable design and can be used after combination.



SIC-1



SIC-2

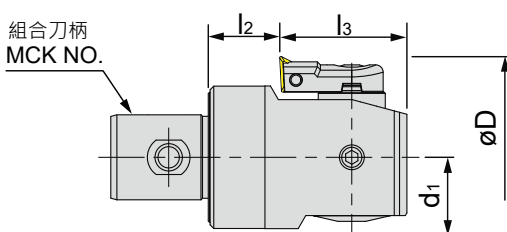
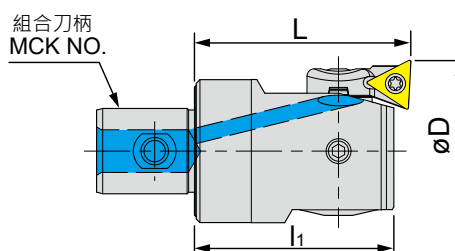


SIC-3

SIC刀座，可完全包覆住心軸，提升穩固性。三種尺寸刀座，可加大搪孔範圍，搪孔範圍 $\varnothing 25 \sim \varnothing 203\text{mm}$ 。2號及3號刀座，皆能做背搪加工，1號刀座僅SMB53、SMB68、SMB100，才能做背搪加工。

SIC insert holder can be completely coated to live spindle and enhance stability. Three type insert holder can increase the range of Boring, boring range  $\varnothing 25$  to  $\varnothing 203\text{mm}$ . SIC-2 and SIC-3 insert holder can do back boring processing, SIC-1 insert holder can do back boring processing only SMB53、SMB68、SMB100.

# Feature



搪孔範圍  
ø 25~203  
Boring Range

精度  
0.01mm  
Accuracy

最高轉速  
8000  
Max. rpm

### 特點 Feature

- 精搪孔專用
- 微調單位：每刻度移動量為  $\varnothing 0.01\text{mm}$
- 搪頭內藏式出水孔，可以有效沖刷屑片，提高加工效果
- 替換式刀座設計，可模組化組合使用
- 組合搭配 MCK 系列刀桿或是相容於 CK 系列刀桿

- For finish boring.
- Micro-adjustment unit : each unit is 0.01 mm.
- The insert seat is designed to have a coolant holes at sides, which can remove the metal chips effectively and raise the manufacturing effect.
- The insert seat has an exchangeable design and can be used after modular.
- Suitable for combining with MCK series of tool holders as CK series of tool holders.

| 規格<br>Spec. | øD 搪孔範圍 Boring Range( 正搪 ) |      |      |                | øD 搪孔範圍 Boring Range( 背搪 ) |      |                |                |                | 組合刀柄<br>Mck No. | 刀片座<br>Insert Holder | 刀片<br>Insert         | 重量<br>(KGS)<br>Weight |
|-------------|----------------------------|------|------|----------------|----------------------------|------|----------------|----------------|----------------|-----------------|----------------------|----------------------|-----------------------|
|             | Min.                       | Max. | L    | l <sub>1</sub> | Min.                       | Max. | l <sub>2</sub> | l <sub>3</sub> | d <sub>1</sub> |                 |                      |                      |                       |
| SMB20       | 20                         | 26   | 32.5 | 29.5           | -                          | -    | 10.5           | 19.5           | 10             | CK 1            | SIB20-1/SIC20-1      | TB..0601<br>TP.0802  | 0.07                  |
|             | 25                         | 31   | 32.5 | 29.5           | 30                         | 31   | 10.5           | 19.5           | 10             | CK 1            | SIB20-2/SIC20-2      |                      | 0.07                  |
|             | 30                         | 36   | 32.5 | 29.5           | 30                         | 36   | 10.5           | 19.5           | 10             | CK 1            | SIB20-3/SIC20-3      |                      | 0.07                  |
| SMB25       | 25                         | 33   | 35.5 | 32.5           | -                          | -    | 11.5           | 21             | 12.5           | CK 2            | SIB25-1/SIC25-1      | TB..0601<br>TP.0802  | 0.12                  |
|             | 32                         | 40   | 35.5 | 32.5           | 36                         | 40   | 11.5           | 21             | 12.5           | CK 2            | SIB25-2/SIC25-2      |                      | 0.12                  |
|             | 39                         | 47   | 35.5 | 32.5           | 39                         | 47   | 11.5           | 21             | 12.5           | CK 2            | SIB25-3/SIC25-3      |                      | 0.12                  |
| SMB32       | 32                         | 42   | 40   | 35             | -                          | -    | 10             | 25             | 16             | CK 3            | SIB32-1/SIC32-1      | TB..0601<br>TP.0802  | 0.21                  |
|             | 41                         | 51   | 40   | 35             | 46                         | 51   | 10             | 25             | 16             | CK 3            | SIB32-2/SIC32-2      |                      | 0.21                  |
|             | 50                         | 60   | 40   | 35             | 50                         | 60   | 10             | 25             | 16             | CK 3            | SIB32-3/SIC32-3      |                      | 0.21                  |
| SMB41       | 41                         | 54   | 47   | 43             | -                          | -    | 14             | 29             | 20             | CK 4            | SIB41-1/SIC41-1      |                      | 0.40                  |
|             | 50                         | 63   | 47   | 43             | 53                         | 63   | 14             | 29             | 20             | CK 4            | SIB41-2/SIC41-2      |                      | 0.40                  |
|             | 61                         | 74   | 47   | 43             | 61                         | 74   | 14             | 29             | 20             | CK 4            | SIB41-3/SIC41-3      |                      | 0.40                  |
| SMB53       | 53                         | 70   | 57   | 53             | 62                         | 70   | 19             | 34             | 25.5           | CK 5            | SIB53-1/SIC53-1      | TP..0902<br>TC..1102 | 1.10                  |
|             | 65                         | 82   | 57   | 53             | 65                         | 82   | 19             | 34             | 25.5           | CK 5            | SIB53-2/SIC53-2      |                      | 1.10                  |
|             | 78                         | 95   | 57   | 53             | 78                         | 95   | 19             | 34             | 25.5           | CK 5            | SIB53-3/SIC53-3      |                      | 1.10                  |
| SMB68       | 68                         | 100  | 71   | 67.2           | 80                         | 100  | 22             | 45.2           | 32.5           | CK 6            | SIB68-1/SIC68-1      |                      | 1.74                  |
|             | 94                         | 126  | 71   | 67.2           | 94                         | 126  | 22             | 45.2           | 32.5           | CK 6            | SIB68-2/SIC68-2      |                      | 1.74                  |
|             | 118                        | 150  | 71   | 67.2           | 118                        | 150  | 22             | 45.2           | 32.5           | CK 6            | SIB68-3/SIC68-3      |                      | 1.74                  |
| SMB100      | 100                        | 153  | 71   | 67.2           | 112                        | 153  | 22             | 45.2           | 45.5           | CK 6            | SIB68-1/SIC68-1      |                      | 2.46                  |
|             | 126                        | 179  | 71   | 67.2           | 126                        | 179  | 22             | 45.2           | 45.5           | CK 6            | SIB68-2/SIC68-2      |                      | 2.46                  |
|             | 150                        | 203  | 71   | 67.2           | 150                        | 203  | 22             | 45.2           | 45.5           | CK 6            | SIB68-3/SIC68-3      |                      | 2.46                  |

-SIB/C □□ -1, SIB/C □□ -2, SIB/C □□ -3 刀片座 需另購  
-SIB/C □□ -1, SIB/C □□ -2, SIB/C □□ -3 is ordered separately

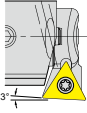
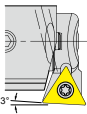
· 長度單位 Unit of Length (mm)

# SMB 超微米精搪頭刀片座

SMB SUPER MICRON EXCHANGEABLE FINISH BORING HEAD INSERT SEAT



3°

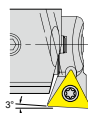
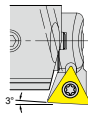
| 規格<br>Spec. | 刀座形狀<br>Insert Holder                                                                                               | 組合搪頭   | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|-------------|---------------------------------------------------------------------------------------------------------------------|--------|-----------------|--------------|------------------------|-----------------------|
| SIB20-1     | <br>使用刀片<br>TB..0601<br>TP.0802    | SMB20  | M2-5.0-2.7-60   | T6           | 0.6                    | -                     |
| SIB20-2     |                                                                                                                     |        |                 |              |                        | -                     |
| SIB20-3     |                                                                                                                     |        |                 |              |                        | -                     |
| SIB25-1     |                                                                                                                     |        |                 |              |                        | -                     |
| SIB25-2     |                                                                                                                     | SMB25  |                 |              |                        | -                     |
| SIB25-3     |                                                                                                                     |        |                 |              |                        | -                     |
| SIB32-1     |                                                                                                                     |        |                 |              |                        | -                     |
| SIB32-2     |                                                                                                                     | SMB32  |                 |              |                        | -                     |
| SIB32-3     |                                                                                                                     |        |                 |              |                        | -                     |
| SIB41-1     | <br>使用刀片<br>TP..0902<br>TC..1102 | SMB41  | M2.5-6.0-3.5-60 | T8           | 1.2                    | -                     |
| SIB41-2     |                                                                                                                     |        |                 |              |                        | -                     |
| SIB41-3     |                                                                                                                     |        |                 |              |                        | -                     |
| SIB53-1     |                                                                                                                     |        |                 |              |                        | -                     |
| SIB53-2     |                                                                                                                     | SMB53  |                 |              |                        | -                     |
| SIB53-3     |                                                                                                                     |        |                 |              |                        | -                     |
| SIB68-1     |                                                                                                                     |        |                 |              |                        | -                     |
| SIB68-2     |                                                                                                                     | SMB68  |                 |              |                        | -                     |
| SIB68-3     |                                                                                                                     | SMB100 |                 |              |                        | -                     |

# SMB 超微米精搪頭刀片座

SMB SUPER MICRON EXCHANGEABLE FINISH BORING HEAD INSERT SEAT



3°

| 規格<br>Spec. | 刀座形狀<br>Insert Holder                                                                                              | 組合搪頭            | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|-------------|--------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|--------------|------------------------|-----------------------|
| SIC20-1     | <br>使用刀片<br>TB..0601<br>TP.0802   | SMB20           | M2-5.0-2.7-60   | T6           | 0.6                    | -                     |
| SIC20-2     |                                                                                                                    |                 |                 |              |                        | -                     |
| SIC20-3     |                                                                                                                    |                 |                 |              |                        | -                     |
| SIC25-1     |                                                                                                                    | SMB25           |                 |              |                        | 0.02                  |
| SIC25-2     |                                                                                                                    |                 |                 |              |                        | 0.02                  |
| SIC25-3     |                                                                                                                    |                 |                 |              |                        | 0.02                  |
| SIC32-1     |                                                                                                                    | SMB32           |                 |              |                        | 0.02                  |
| SIC32-2     |                                                                                                                    |                 |                 |              |                        | 0.02                  |
| SIC32-3     |                                                                                                                    |                 |                 |              |                        | 0.02                  |
| SIC41-1     | <br>使用刀片<br>TP.0902<br>TC..1102 | SMB41           | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.03                  |
| SIC41-2     |                                                                                                                    |                 |                 |              |                        | 0.03                  |
| SIC41-3     |                                                                                                                    |                 |                 |              |                        | 0.03                  |
| SIC53-1     |                                                                                                                    | SMB53           |                 |              |                        | 0.04                  |
| SIC53-2     |                                                                                                                    |                 |                 |              |                        | 0.04                  |
| SIC53-3     |                                                                                                                    |                 |                 |              |                        | 0.04                  |
| SIC68-1     |                                                                                                                    | SMB68<br>SMB100 |                 |              |                        | 0.06                  |
| SIC68-2     |                                                                                                                    |                 |                 |              |                        | 0.06                  |
| SIC68-3     |                                                                                                                    |                 |                 |              |                        | 0.06                  |



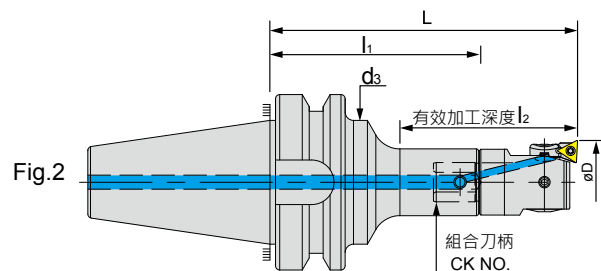
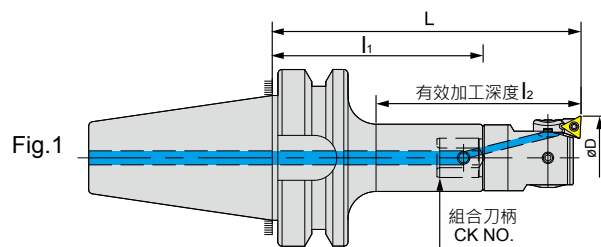
# SMB 搪孔刀片切削數據表

## SMB BORING HEAD INSERT CUTTING CONDITIONS

| 規格<br>Spec.     | Mck No.     | 工件材質<br>Material                        | 刀片 Insert |                                                       | 切削速度<br>(m/min)                       | 切削量<br>(mm/Ø)                                | 進給量 (mm/rev)                                 |                                              |
|-----------------|-------------|-----------------------------------------|-----------|-------------------------------------------------------|---------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
|                 |             |                                         | 刀片 R 角    | 刀片材質<br>Insert Material                               |                                       |                                              | 推薦值                                          | Max.                                         |
| SMB20           | MCK1<br>CK1 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.2/0.4   | RM4030<br>RM1205<br>CBN250<br>CBN500<br>RM5005<br>PCD | 180<br>120<br>60<br>180<br>200<br>400 | 0.15<br>0.15<br>0.10<br>0.15<br>0.20<br>0.20 | 0.06<br>0.06<br>0.06<br>0.06<br>0.10<br>0.06 | 0.15<br>0.15<br>0.10<br>0.10<br>0.15<br>0.15 |
|                 |             | 不鏽鋼<br>Stainless Steels                 |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鑄鐵<br>Cast Iron                         |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 球墨鑄鐵<br>Nodular Cast Iron               |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鋁合金<br>Aluminum Alloy                   |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             |                                         |           |                                                       |                                       |                                              |                                              |                                              |
| SMB25           | MCK2<br>CK2 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.2/0.4   | RM4030<br>RM1205<br>CBN250<br>CBN500<br>RM5005<br>PCD | 180<br>120<br>60<br>180<br>200<br>400 | 0.15<br>0.15<br>0.10<br>0.15<br>0.20<br>0.20 | 0.06<br>0.06<br>0.06<br>0.06<br>0.10<br>0.06 | 0.15<br>0.15<br>0.10<br>0.10<br>0.15<br>0.15 |
|                 |             | 不鏽鋼<br>Stainless Steels                 |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鑄鐵<br>Cast Iron                         |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 球墨鑄鐵<br>Nodular Cast Iron               |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鋁合金<br>Aluminum Alloy                   |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             |                                         |           |                                                       |                                       |                                              |                                              |                                              |
| SMB32           | MCK3<br>CK3 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.2/0.4   | RM4030<br>RM1205<br>CBN250<br>CBN500<br>RM5005<br>PCD | 180<br>150<br>80<br>200<br>300<br>800 | 0.20<br>0.20<br>0.10<br>0.15<br>0.25<br>0.25 | 0.06<br>0.06<br>0.06<br>0.06<br>0.10<br>0.10 | 0.15<br>0.15<br>0.10<br>0.10<br>0.15<br>0.15 |
|                 |             | 不鏽鋼<br>Stainless Steels                 |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鑄鐵<br>Cast Iron                         |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 球墨鑄鐵<br>Nodular Cast Iron               |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鋁合金<br>Aluminum Alloy                   |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             |                                         |           |                                                       |                                       |                                              |                                              |                                              |
| SMB41           | MCK4<br>CK4 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.2/0.4   | RM4030<br>RM1205<br>CBN250<br>CBN500<br>RM5005<br>PCD | 180<br>150<br>80<br>200<br>300<br>800 | 0.25<br>0.25<br>0.10<br>0.20<br>0.30<br>0.30 | 0.06<br>0.06<br>0.08<br>0.10<br>0.12<br>0.12 | 0.15<br>0.15<br>0.10<br>0.10<br>0.15<br>0.15 |
|                 |             | 不鏽鋼<br>Stainless Steels                 |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鑄鐵<br>Cast Iron                         |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 球墨鑄鐵<br>Nodular Cast Iron               |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鋁合金<br>Aluminum Alloy                   |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             |                                         |           |                                                       |                                       |                                              |                                              |                                              |
| SMB53           | MCK5<br>CK5 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.2/0.4   | RM4030<br>RM1205<br>CBN250<br>CBN500<br>RM5005<br>PCD | 180<br>150<br>80<br>200<br>300<br>800 | 0.25<br>0.25<br>0.10<br>0.20<br>0.30<br>0.30 | 0.10<br>0.10<br>0.10<br>0.10<br>0.16<br>0.12 | 0.15<br>0.15<br>0.10<br>0.10<br>0.28<br>0.15 |
|                 |             | 不鏽鋼<br>Stainless Steels                 |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鑄鐵<br>Cast Iron                         |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 球墨鑄鐵<br>Nodular Cast Iron               |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鋁合金<br>Aluminum Alloy                   |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             |                                         |           |                                                       |                                       |                                              |                                              |                                              |
| SMB68<br>SMB100 | MCK6<br>CK6 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.2/0.4   | RM4030<br>RM1205<br>CBN250<br>CBN500<br>RM5005<br>PCD | 180<br>150<br>80<br>200<br>300<br>800 | 0.25<br>0.25<br>0.10<br>0.20<br>0.30<br>0.30 | 0.10<br>0.10<br>0.10<br>0.10<br>0.16<br>0.12 | 0.15<br>0.15<br>0.10<br>0.10<br>0.28<br>0.15 |
|                 |             | 不鏽鋼<br>Stainless Steels                 |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鑄鐵<br>Cast Iron                         |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 球墨鑄鐵<br>Nodular Cast Iron               |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             | 鋁合金<br>Aluminum Alloy                   |           |                                                       |                                       |                                              |                                              |                                              |
|                 |             |                                         |           |                                                       |                                       |                                              |                                              |                                              |

- 本表是切削數據的設定基準，請視當時的機床、工件材質、鐵屑的排出情況做適當的調整。  
- The cutting data table is set benchmarks, please make the appropriate adjustments depend on the situation which machine tools, workpiece materials, iron chips discharge.

· 長度單位 Unit of Length (mm)



搪孔範圍  
ø25~203  
Boring Range

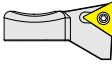
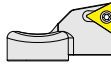
精度  
0.01mm  
Accuracy

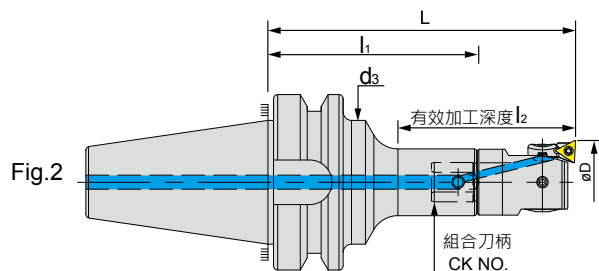
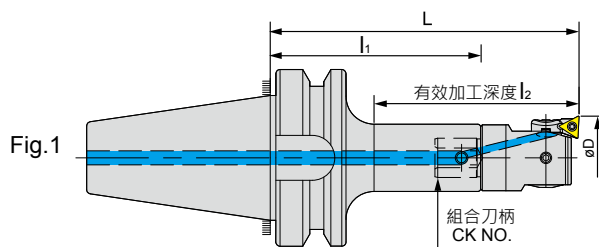
最高轉速  
8000  
Max. rpm

| 規格<br>Spec.     | øD 搪孔範圍<br>Boring Range |      | 搪孔組合<br>Combination |                   | 組合刀柄<br>ck No. | L     | l <sub>1</sub> | 有效加工深度<br>l <sub>2</sub> | Fig. | 重量<br>(KGS)<br>Weight |
|-----------------|-------------------------|------|---------------------|-------------------|----------------|-------|----------------|--------------------------|------|-----------------------|
|                 | Min.                    | Max. | 刀桿<br>Shank         | 搪頭<br>Boring Head |                |       |                |                          |      |                       |
| BT30-SMB25-115  | 25                      | 47   | BT30-CK2-80         | SMB25             | CK2            | 115.5 | 80             | 85.5                     | 1    | 0.92                  |
| BT30-SMB32-120  | 32                      | 60   | BT30-CK3-80         | SMB32             | CK3            | 120   | 80             | 96                       | 1    | 1.11                  |
| BT30-SMB41-117  | 41                      | 74   | BT30-CK4-70         | SMB41             | CK4            | 117   | 70             | 87                       | 1    | 1.40                  |
| BT30-SMB53-117  | 53                      | 95   | BT30-CK5-60         | SMB53             | CK5            | 117   | 60             | 87                       | 1    | 2.20                  |
| BT30-SMB68-131  | 68                      | 150  | BT30-CK6-60         | SMB68             | CK6            | 131   | 60             | 101                      | 1    | 1.94                  |
| BT30-SMB100-131 | 100                     | 203  | BT30-CK6-60         | SMB100            | CK6            | 131   | 60             | 101                      | 1    | -                     |
| BT40-SMB25-120  | 25                      | 47   | BT40-CK2-85         | SMB25             | CK2            | 120.5 | 85             | 85.5                     | 2    | 1.32                  |
| BT40-SMB32-135  | 32                      | 60   | BT40-CK3-95         | SMB32             | CK3            | 135   | 95             | 100                      | 1    | 1.51                  |
| BT40-SMB41-132  | 41                      | 74   | BT40-CK4-85         | SMB41             | CK4            | 132   | 85             | 97                       | 1    | 1.85                  |
| BT40-SMB41-177  | 41                      | 74   | BT40-CK4-130        | SMB41             | CK4            | 177   | 130            | 142                      | 1    | 1.90                  |
| BT40-SMB53-132  | 53                      | 95   | BT40-CK5-75         | SMB53             | CK5            | 132   | 75             | 97                       | 1    | 2.80                  |
| BT40-SMB53-182  | 53                      | 95   | BT40-CK5-125        | SMB53             | CK5            | 182   | 125            | 147                      | 1    | 3.05                  |
| BT40-SMB68-136  | 68                      | 150  | BT40-CK6-65         | SMB68             | CK6            | 136   | 65             | 101                      | 1    | 3.89                  |
| BT40-SMB100-136 | 100                     | 203  | BT40-CK6-65         | SMB100            | CK6            | 136   | 65             | 101                      | 1    | -                     |

- 標準配備附為 SIB □□ -1 刀片座，SIB □□ -2，SIB □□ -3 需另購。  
 - 訂購時請說明使用刀座型號。  
 - SIB、SIC 刀片的相關資料請參照 B688-B689。  
 - 刀片座有三種型式可交換使用，增大加工範圍。  
 < 例 > BT50-SMB25-140 不同刀片座的加工範圍。

- Standard mating part SIB □□ -1. SIB/C □□ -2, SIB/C □□ -3 is ordered separately.  
 - Please inform the spec / model no. for insert holder when ordering.  
 - For related information of SIB, SIC inserts, please refer to A688-A689.  
 - There are three kinds of insert holders for selection for the different cutting range.  
 For example: BT50-SMB25-140 has different cutting range for different insert holder.

| 標準型刀片座<br>Standard insert holder                                                    | 另購型刀片座<br>In additional purchased insert holder                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SIB25-1                                                                             | SIB25-2                                                                             | SIB25-3                                                                             |
| Ø25~Ø33                                                                             | Ø32~Ø40                                                                             | Ø39~Ø47                                                                             |
|  |  |  |



|                                  |                          |                          |
|----------------------------------|--------------------------|--------------------------|
| 搪孔範圍<br>ø 25~203<br>Boring Range | 精度<br>0.01mm<br>Accuracy | 最高轉速<br>8000<br>Max. rpm |
|----------------------------------|--------------------------|--------------------------|

| 規格<br>Spec.     | øD 搪孔範圍<br>Boring Range |      | 搪孔組合<br>Combination |                   | 組合刀柄<br>ck No. | L   | l1  | 有效加工深度<br>l2 | Fig. | 重量<br>(KGS)<br>Weight |
|-----------------|-------------------------|------|---------------------|-------------------|----------------|-----|-----|--------------|------|-----------------------|
|                 | Min.                    | Max. | 刀桿<br>Shank         | 搪頭<br>Boring Head |                |     |     |              |      |                       |
| BT50-SMB25-145  | 25                      | 47   | BT50-CK2-110        | SMB25             | CK2            | 145 | 110 | 100.5        | 2    | 4.12                  |
| BT50-SMB25-175  | 25                      | 47   | BT50-CK2-140        | SMB25             | CK2            | 175 | 140 | 130.5        | 2    | 4.22                  |
| BT50-SMB32-165  | 32                      | 60   | BT50-CK3-125        | SMB32             | CK3            | 165 | 125 | 120          | 1    | 4.61                  |
| BT50-SMB32-195  | 32                      | 60   | BT50-CK3-155        | SMB32             | CK3            | 195 | 155 | 150          | 1    | 4.81                  |
| BT50-SMB41-162  | 41                      | 74   | BT50-CK4-115        | SMB41             | CK4            | 162 | 115 | 117          | 1    | 5.20                  |
| BT50-SMB41-192  | 41                      | 74   | BT50-CK4-145        | SMB41             | CK4            | 192 | 145 | 147          | 1    | 5.60                  |
| BT50-SMB53-162  | 53                      | 95   | BT50-CK5-105        | SMB53             | CK5            | 162 | 105 | 117          | 1    | 6.50                  |
| BT50-SMB53-237  | 53                      | 95   | BT50-CK5-180        | SMB53             | CK5            | 237 | 180 | 192          | 1    | 7.30                  |
| BT50-SMB53-297  | 53                      | 95   | BT50-CK5-240        | SMB53             | CK5            | 297 | 240 | 252          | 1    | 7.50                  |
| BT50-SMB68-166  | 68                      | 150  | BT50-CK6-95         | SMB68             | CK6            | 166 | 95  | 121          | 1    | 7.65                  |
| BT50-SMB68-241  | 68                      | 150  | BT50-CK6-170        | SMB68             | CK6            | 241 | 170 | 196          | 1    | 8.25                  |
| BT50-SMB68-301  | 68                      | 150  | BT50-CK6-230        | SMB68             | CK6            | 301 | 230 | 256          | 1    | 8.65                  |
| BT50-SMB68-361  | 68                      | 150  | BT50-CK6-290        | SMB68             | CK6            | 361 | 290 | 316          | 1    | -                     |
| BT50-SMB68-421  | 68                      | 150  | BT50-CK6-350        | SMB68             | CK6            | 421 | 350 | 371          | 1    | -                     |
| BT50-SMB100-166 | 100                     | 203  | BT50-CK6-95         | SMB100            | CK6            | 166 | 95  | 121          | 1    | -                     |
| BT50-SMB100-241 | 100                     | 203  | BT50-CK6-170        | SMB100            | CK6            | 241 | 170 | 196          | 1    | -                     |
| BT50-SMB100-301 | 100                     | 203  | BT50-CK6-230        | SMB100            | CK6            | 301 | 230 | 256          | 1    | -                     |
| BT50-SMB100-361 | 100                     | 203  | BT50-CK6-290        | SMB100            | CK6            | 361 | 290 | 316          | 1    | -                     |
| BT50-SMB100-421 | 100                     | 203  | BT50-CK6-350        | SMB100            | CK6            | 421 | 350 | 371          | 1    | -                     |

- 標準配備附為 SIB □□ -1 刀片座，SIB □□ -2，SIB □□ -3 需另購。
- 訂購時請說明使用刀座型號。
- SIB、SIC 刀片的相關資料請參照 B688-B689。
- 刀片座有三種型式可交換使用，增大加工範圍。
- <例>BT50-SMB25-140 不同刀片座的加工範圍。
- Standard mating part SIB □□ -1, SIB/C □□ -2, SIB/C □□ -3 is ordered separately.
- Please inform the spec / model no. for insert holder when ordering.
- For related information of SIB, SIC inserts, please refer to A688-A689.
- There are three kinds of insert holders for selection for the different cutting range.
- For example: BT50-SMB25-140 has different cutting range for different insert holder.

| 標準型刀片座<br>Standard insert holder | 另購型刀片座<br>In additional purchased insert holder |         |
|----------------------------------|-------------------------------------------------|---------|
| SIB25-1                          | SIB25-2                                         | SIB25-3 |
| Ø25~Ø33                          | Ø32~Ø40                                         | Ø39~Ø47 |
|                                  |                                                 |         |

· 長度單位 Unit of Length (mm)

# Feature

## SCK特點

使用CCMT刀片，適合重切削及斷續切削，SCK80102-C採用替換式刀座設計，增加搪孔範圍，並可降低維修成本

Use CCMT inserts are suitable for rough boring, heavy and interrupted cutting. The insert seat of SCK80102-C type has an exchangeable design, increase the range of boring and reduces maintenance costs.

微調螺絲，轉動時雙刃可同時移動

Fine-tuning screw, two insert seats at the same time move.

微調單位：每一刻度移動量1mm，直徑為 $\varnothing 2\text{mm}$ ，搪孔範圍 $\varnothing 24 \sim \varnothing 220\text{mm}$

Micro-adjustment unit: 1mm of each, diameter  $\varnothing 2\text{mm}$ , boring range  $\varnothing 24 \sim \varnothing 220\text{mm}$ .

採一體式本體，加強包覆刀座力量

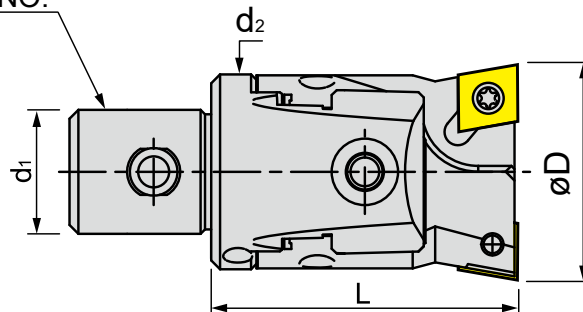
Adopt one body, Strengthen the inserts seat strength.



# Boring Head



組合刀柄  
CK NO.



搪孔範圍  
ø24-220  
Boring Range

精度  
0.2mm  
Accuracy

### 特點 Feature

- 雙刀微調同時移動，適用於大進給 (F) 切削

- Both inserts operate with a fine adjustment and simultaneous movement, suitable for big feeding (F) cutting.

| 規格<br>Spec. | øD 搪孔範圍<br>Boring Range |      | 組合刀柄<br>Mck No. | L   | d <sub>1</sub> | d <sub>2</sub> | 鎖固螺絲<br>Screw | 鎖固扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 刀片<br>Insert | 螺絲<br>Screw      | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|-------------|-------------------------|------|-----------------|-----|----------------|----------------|---------------|----------------|------------------------|--------------|------------------|--------------|------------------------|-----------------------|
|             | Min.                    | Max. |                 |     |                |                |               |                |                        |              |                  |              |                        |                       |
| SCK2430-C   | 24                      | 30   | CK2             | 34  | 14             | 22             | M4            | PL3            | 3.0                    | CC..0602     | M2.5-6.45-3.7-43 | T8           | 1.4                    | 0.19                  |
| SCK2940-C   | 29                      | 40   | CK2             | 42  | 14             | 27             | M5            | PL4            | 4.0                    | CC..09T3     | M4-10-5.7-60     | T15          | 3.0                    | 0.19                  |
| SCK3950-C   | 39                      | 50   | CK3             | 45  | 18             | 32             | M5            | PL4            | 5.0                    | CC..09T3     | M4-10-5.7-60     | T15          | 3.0                    | 0.19                  |
| SCK4965-C   | 49                      | 65   | CK4             | 56  | 22             | 42             | M6            | PL5            | 6.0                    | CC..1204     | M5-11-7.5-60     | T20          | 5.0                    | 0.10                  |
| SCK6382-C   | 63                      | 82   | CK5             | 66  | 28             | 54             | M8            | PL6            | 10.0                   | CC..1204     | M5-11-7.5-60     | T20          | 5.0                    | 0.20                  |
| SCK80102-C  | 80                      | 102  | CK6             | 86  | 36             | 68             | M10           | PL8            | 12.0                   | CC..1204     | M5-11-7.5-60     | T20          | 5.0                    | 2.30                  |
| SCK100125-C | 100                     | 125  | MCK7            | 100 | 46             | 85             | M10           | PL8            | 12.0                   | CC..1204     | M5-11-7.5-60     | T20          | 5.0                    | 4.00                  |
| SCK125160-C | 125                     | 160  | MCK7            | 100 | 46             | 110            | M10           | PL8            | 12.0                   | CC..1204     | M5-11-7.5-60     | T20          | 5.0                    | 6.16                  |
| SCK160220-C | 160                     | 220  | MCK7            | 100 | 46             | 145            | M10           | PL8            | 12.0                   | CC..1204     | M5-11-7.5-60     | T20          | 5.0                    | 8.10                  |



CCMT 刀片適用粗搪、重及斷續切削。

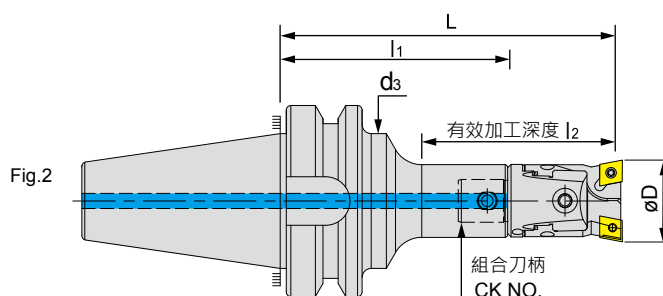
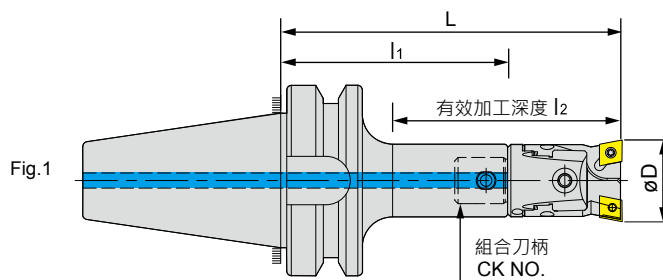
CCMT inserts are suitable for rough boring, heavy and interrupted cutting.





搪孔範圍  
ø 24~220  
Boring Range

精度  
0.2mm  
Accuracy



| 規格<br>Spec.        | øD 搪孔範圍<br>Boring Range |      | 搪孔組合<br>Combination |                   | 組合刀柄<br>ck No. | L   | l <sub>1</sub> | 有效加工深度<br>l <sub>2</sub> | Fig. | 重量<br>(KGS)<br>Weight |
|--------------------|-------------------------|------|---------------------|-------------------|----------------|-----|----------------|--------------------------|------|-----------------------|
|                    | Min.                    | Max. | 刀桿<br>Shank         | 搪頭<br>Boring Head |                |     |                |                          |      |                       |
| BT30-SCK2430C-114  | 24                      | 30   | BT30-CK2-80         | SCK2430-C         | CK2            | 114 | 80             | 84                       | 1    | 1.17                  |
| BT30-SCK2940C-122  | 30                      | 40   | BT30-CK2-80         | SCK2940-C         | CK2            | 122 | 80             | 92                       | 1    | 1.21                  |
| BT30-SCK3950C-125  | 39                      | 50   | BT30-CK3-80         | SCK3950-C         | CK3            | 125 | 80             | 95                       | 1    | 1.31                  |
| BT30-SCK4965C-126  | 49                      | 65   | BT30-CK4-70         | SCK4965-C         | CK4            | 126 | 70             | 96                       | 1    | 1.59                  |
| BT30-SCK6382C-126  | 63                      | 82   | BT30-CK5-60         | SCK6382-C         | CK5            | 126 | 60             | 96                       | 1    | 1.75                  |
| BT30-SCK80102C-146 | 80                      | 102  | BT30-CK6-60         | SCK80102-C        | CK6            | 146 | 60             | 116                      | 1    | 2.25                  |
| BT40-SCK2430C-119  | 24                      | 30   | BT40-CK2-85         | SCK2430-C         | CK2            | 119 | 85             | 84                       | 2    | 1.57                  |
| BT40-SCK2940C-127  | 30                      | 40   | BT40-CK2-85         | SCK2940-C         | CK2            | 127 | 85             | 92                       | 2    | 1.61                  |
| BT40-SCK3950C-140  | 39                      | 50   | BT40-CK3-95         | SCK3950-C         | CK3            | 140 | 95             | 105                      | 1    | 1.71                  |
| BT40-SCK4965C-141  | 49                      | 65   | BT40-CK4-85         | SCK4965-C         | CK4            | 141 | 85             | 106                      | 1    | 2.04                  |
| BT40-SCK4965C-186  | 49                      | 65   | BT40-CK4-130        | SCK4965-C         | CK4            | 186 | 130            | 151                      | 1    | 2.09                  |
| BT40-SCK6382C-141  | 63                      | 82   | BT40-CK5-75         | SCK6382-C         | CK5            | 141 | 75             | 106                      | 1    | 2.35                  |
| BT40-SCK6382C-191  | 63                      | 82   | BT40-CK5-125        | SCK6382-C         | CK5            | 191 | 125            | 156                      | 1    | 2.60                  |
| BT40-SCK80102C-151 | 80                      | 102  | BT40-CK6-65         | SCK80102-C        | CK6            | 151 | 65             | 116                      | 1    | 3.20                  |

### 選配表 Option

拉頭 Pull Stud



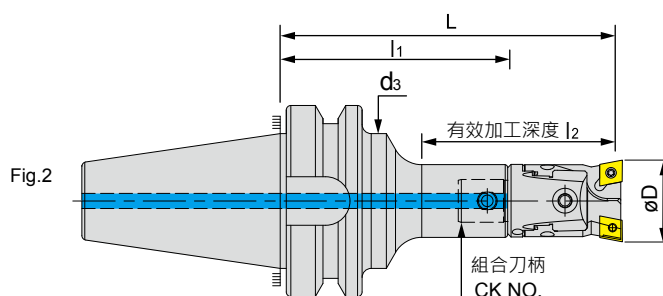
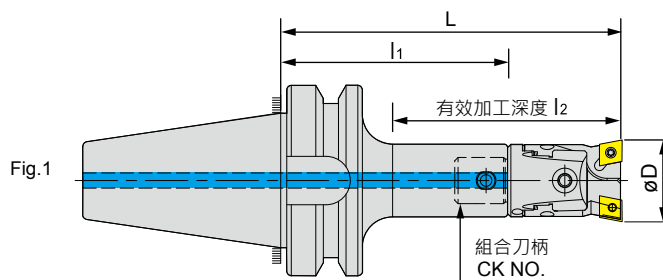
B645-B647

· 長度單位 Unit of Length (mm)



搪孔範圍  
ø24~220  
Boring Range

精度  
0.2mm  
Accuracy



| 規格<br>Spec.        | øD 搪孔範圍<br>Boring Range |      | 搪孔組合<br>Combination |                   | 組合刀柄<br>ck No. | L   | l <sub>1</sub> | 有效加工深度<br>l <sub>2</sub> | Fig. | 重量<br>(KGS)<br>Weight |
|--------------------|-------------------------|------|---------------------|-------------------|----------------|-----|----------------|--------------------------|------|-----------------------|
|                    | Min.                    | Max. | 刀桿<br>Shank         | 搪頭<br>Boring Head |                |     |                |                          |      |                       |
| BT50-SCK2430C-144  | 24                      | 30   | BT50-CK2-110        | SCK2430-C         | CK2            | 144 | 110            | 99                       | 2    | 4.37                  |
| BT50-SCK2430C-174  | 24                      | 30   | BT50-CK2-140        | SCK2430-C         | CK2            | 174 | 140            | 129                      | 2    | 4.47                  |
| BT50-SCK2940C-152  | 30                      | 40   | BT50-CK2-110        | SCK2940-C         | CK2            | 152 | 110            | 107                      | 2    | 4.41                  |
| BT50-SCK2940C-182  | 30                      | 40   | BT50-CK2-140        | SCK2940-C         | CK2            | 182 | 140            | 137                      | 2    | 4.51                  |
| BT50-SCK3950C-170  | 39                      | 50   | BT50-CK3-125        | SCK3950-C         | CK3            | 170 | 125            | 125                      | 1    | 4.81                  |
| BT50-SCK3950C-200  | 39                      | 50   | BT50-CK3-155        | SCK3950-C         | CK3            | 200 | 155            | 155                      | 1    | 5.01                  |
| BT50-SCK4965C-171  | 49                      | 65   | BT50-CK4-115        | SCK4965-C         | CK4            | 171 | 115            | 126                      | 1    | 5.39                  |
| BT50-SCK4965C-201  | 49                      | 65   | BT50-CK4-145        | SCK4965-C         | CK4            | 201 | 145            | 156                      | 1    | 5.79                  |
| BT50-SCK6382C-171  | 63                      | 82   | BT50-CK5-105        | SCK6382-C         | CK5            | 171 | 105            | 126                      | 1    | 6.05                  |
| BT50-SCK6382C-246  | 63                      | 82   | BT50-CK5-180        | SCK6382-C         | CK5            | 246 | 180            | 201                      | 1    | 6.85                  |
| BT50-SCK6382C-306  | 63                      | 82   | BT50-CK5-240        | SCK6382-C         | CK5            | 306 | 240            | 261                      | 1    | 7.05                  |
| BT50-SCK80102C-181 | 80                      | 102  | BT50-CK6-95         | SCK80102-C        | CK6            | 181 | 95             | 136                      | 1    | 6.95                  |
| BT50-SCK80102C-256 | 80                      | 102  | BT50-CK6-170        | SCK80102-C        | CK6            | 256 | 170            | 211                      | 1    | 7.55                  |
| BT50-SCK80102C-316 | 80                      | 102  | BT50-CK6-230        | SCK80102-C        | CK6            | 316 | 230            | 271                      | 1    | 7.95                  |
| BT50-SCK80102C-376 | 80                      | 102  | BT50-CK6-290        | SCK80102-C        | CK6            | 376 | 290            | 331                      | 1    | -                     |
| BT50-SCK80102C-436 | 80                      | 102  | BT50-CK6-350        | SCK80102-C        | CK6            | 436 | 350            | 386                      | 1    | -                     |

### 選配表 Option

拉頭 Pull Stud



B645-B647

· 長度單位 Unit of Length (mm)

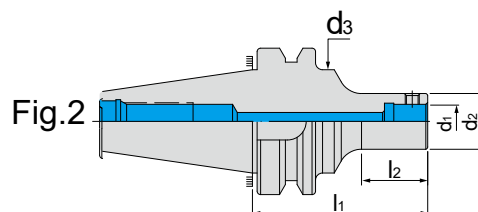
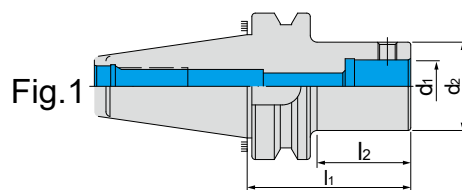
| 規格<br>Spec.                               | Mck No.     | 工件材質<br>Material                        | 刀片<br>Insert     |               | 切削速度<br>(m/min) | 切削量 Cutting<br>Parameters(mm/Ø) |      | 進給量 Feed<br>Rate(mm/rev) |      |
|-------------------------------------------|-------------|-----------------------------------------|------------------|---------------|-----------------|---------------------------------|------|--------------------------|------|
|                                           |             |                                         | 刀片 R 角<br>Radius | 刀片材質<br>Grade |                 | 推薦值<br>Rec                      | Max. | 推薦值<br>Rec               | Max. |
| SCK2430-C                                 | MCK2<br>CK2 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.4/0.8          | RM4035        | 140             | 2.5                             | 3.5  | 0.25                     | 0.35 |
|                                           |             | 不鏽鋼<br>Stainless Steels                 |                  | OM4010        | 140             | 2.0                             | 3.0  | 0.25                     | 0.35 |
|                                           |             | 鑄鐵<br>Cast Iron                         |                  | RM315         | 120             | 2.5                             | 3.5  | 0.30                     | 0.35 |
|                                           |             | 鋁合金<br>Aluminum Alloy                   |                  | RM5005        | 160             | 3.5                             | 4.5  | 0.35                     | 0.40 |
| SCK2940-C                                 | MCK2<br>CK2 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.4/0.8          | RM4035        | 140             | 3.5                             | 4.0  | 0.25                     | 0.40 |
|                                           |             | 不鏽鋼<br>Stainless Steels                 |                  | OM4010        | 140             | 3.0                             | 4.0  | 0.30                     | 0.35 |
|                                           |             | 鑄鐵<br>Cast Iron                         |                  | RM315         | 120             | 3.5                             | 4.0  | 0.35                     | 0.40 |
|                                           |             | 鋁合金<br>Aluminum Alloy                   |                  | RM5005        | 160             | 4.0                             | 5.0  | 0.40                     | 0.45 |
| SCK3950-C                                 | MCK3<br>CK3 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.4/0.8          | RM4035        | 140             | 4.5                             | 5.5  | 0.30                     | 0.45 |
|                                           |             | 不鏽鋼<br>Stainless Steels                 |                  | OM4010        | 140             | 4.0                             | 5.5  | 0.35                     | 0.45 |
|                                           |             | 鑄鐵<br>Cast Iron                         |                  | RM315         | 120             | 4.5                             | 5.5  | 0.40                     | 0.45 |
|                                           |             | 鋁合金<br>Aluminum Alloy                   |                  | RM5005        | 160             | 6.0                             | 8.0  | 0.45                     | 0.50 |
| SCK4965-C                                 | MCK4<br>CK4 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.4/0.8          | RM4035        | 140             | 6.0                             | 8.0  | 0.30                     | 0.50 |
|                                           |             | 不鏽鋼<br>Stainless Steels                 |                  | OM4010        | 140             | 6.0                             | 8.0  | 0.40                     | 0.45 |
|                                           |             | 鑄鐵<br>Cast Iron                         |                  | RM315         | 120             | 6.0                             | 8.0  | 0.45                     | 0.50 |
|                                           |             | 鋁合金<br>Aluminum Alloy                   |                  | RM5005        | 160             | 8.0                             | 10.0 | 0.45                     | 0.55 |
| SCK6382-C                                 | MCK5<br>CK5 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.4/0.8          | RM4035        | 140             | 6.0                             | 8.0  | 0.35                     | 0.50 |
|                                           |             | 不鏽鋼<br>Stainless Steels                 |                  | OM4010        | 140             | 6.0                             | 8.0  | 0.40                     | 0.45 |
|                                           |             | 鑄鐵<br>Cast Iron                         |                  | RM315         | 120             | 6.0                             | 8.0  | 0.45                     | 0.50 |
|                                           |             | 鋁合金<br>Aluminum Alloy                   |                  | RM5005        | 160             | 8.0                             | 10.0 | 0.45                     | 0.55 |
| SCK80102-C                                | MCK6<br>CK6 | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.4/0.8          | RM4035        | 140             | 6.0                             | 8.0  | 0.35                     | 0.50 |
|                                           |             | 不鏽鋼<br>Stainless Steels                 |                  | OM4010        | 140             | 6.0                             | 8.0  | 0.40                     | 0.45 |
|                                           |             | 鑄鐵<br>Cast Iron                         |                  | RM315         | 120             | 6.0                             | 8.0  | 0.45                     | 0.50 |
|                                           |             | 鋁合金<br>Aluminum Alloy                   |                  | RM5005        | 160             | 8.0                             | 10.0 | 0.45                     | 0.55 |
| SCK100125-C<br>SCK125160-C<br>SCK160220-C | MCK7        | 碳鋼、合金鋼<br>Carbon steel . Alloyed Steels | 0.4/0.8          | RM4035        | 140             | 6.0                             | 8.0  | 0.35                     | 0.50 |
|                                           |             | 不鏽鋼<br>Stainless Steels                 |                  | OM4010        | 140             | 6.0                             | 8.0  | 0.40                     | 0.45 |
|                                           |             | 鑄鐵<br>Cast Iron                         |                  | RM315         | 120             | 6.0                             | 8.0  | 0.45                     | 0.50 |
|                                           |             | 鋁合金<br>Aluminum Alloy                   |                  | RM5005        | 160             | 8.0                             | 10.0 | 0.45                     | 0.55 |

- 本表是切削數據的設定基準，請視當時的機床、工件材質、鐵屑的排出情況做適當的調整

- The cutting data table is set benchmarks, please make the appropriate adjustments depend on the situation which machine tools, workpiece materials, iron chips discharge.

· 長度單位 Unit of Length (mm)

細牙  
Fine Teeth



### 特點 Feature

- 內孔公差 H6
- 整支通孔，利於出水及抗震
- 可共用並互容於大多數 "CK" 系列
- 側邊鎖固螺絲與鍵槽呈 90 度，確保搪孔切削完畢時的相對位置
- 鎖固時請使用螺絲防卡油防止因搪孔加工扭力過大，導致螺絲卡死難以拆卸組裝

- Internal tolerance is H6.
- The tool holder with through coolant design is better for water to get through vibration resistance
- Compatible tolerance in most of the "CK" series.
- Side of the locking screw and keyway was 90 degrees, to ensure that the relative position of the conclusion of the boring cutting.
- Use locking screw preventing oil to prevent excessive torque due to boring processing, resulting in seizure of the thread is difficult to remove the assembly screws.

| 規格<br>Spec.   | l <sub>1</sub> | l <sub>2</sub> | d <sub>1</sub> | d <sub>2</sub> | d <sub>3</sub> | 側邊螺絲<br>Screw | Fig. | 重量<br>(KGS)<br>Weight |
|---------------|----------------|----------------|----------------|----------------|----------------|---------------|------|-----------------------|
| BT30-CK1-70L  | 70             | 40             | 11             | 19             | -              | M4-0.5P-5L    | 1    | 0.50                  |
| BT30-CK2-80L  | 80             | 50             | 14             | 24             | -              | M5-0.5P-6.5L  | 1    | 0.60                  |
| BT30-CK3-80L  | 80             | 50             | 18             | 31             | -              | M6-0.75P-8L   | 1    | 0.70                  |
| BT30-CK4-70L  | 70             | 40             | 22             | 39             | -              | M8-0.75P-11L  | 1    | 0.80                  |
| BT30-CK5-60L  | 60             | 30             | 28             | 50             | -              | M10-1.0P-14L  | 1    | 0.80                  |
| BT30-CK6-60L  | 60             | 30             | 36             | 64             | -              | M12-1.0P-18L  | 1    | 1.00                  |
| BT40-CK1-75L  | 75             | 40             | 11             | 19             | -              | M4-0.5P-5L    | 1    | 1.00                  |
| BT40-CK1-105L | 105            | 70             | 11             | 19             | -              | M4-0.5P-5L    | 1    | 1.20                  |
| BT40-CK2-85L  | 85             | 50             | 14             | 24             | -              | M5-0.5P-6.5L  | 1    | 1.10                  |
| BT40-CK2-115L | 115            | 80             | 14             | 24             | -              | M5-0.5P-6.5L  | 1    | 1.40                  |
| BT40-CK3-95L  | 95             | 60             | 18             | 31             | -              | M6-0.75P-8L   | 1    | 1.20                  |
| BT40-CK3-125L | 125            | 90             | 18             | 31             | -              | M6-0.75P-8L   | 1    | 1.50                  |
| BT40-CK3-155L | 155            | 120            | 18             | 31             | -              | M6-0.75P-8L   | 1    | 1.70                  |
| BT40-CK4-85L  | 85             | 50             | 22             | 39             | -              | M8-0.75P-11L  | 1    | 1.30                  |
| BT40-CK4-130L | 130            | 95             | 22             | 39             | -              | M8-0.75P-11L  | 1    | 1.90                  |
| BT40-CK4-175L | 175            | 140            | 22             | 39             | -              | M8-0.75P-11L  | 1    | 2.20                  |
| BT40-CK5-75L  | 75             | 40             | 28             | 50             | -              | M10-1.0P-14L  | 1    | 1.30                  |
| BT40-CK5-125L | 125            | 90             | 28             | 50             | -              | M10-1.0P-14L  | 1    | 2.30                  |
| BT40-CK5-175L | 175            | 140            | 28             | 50             | -              | M10-1.0P-14L  | 1    | 3.00                  |
| BT40-CK6-65L  | 65             | 30             | 36             | 64             | -              | M12-1.0P-18L  | 1    | 1.30                  |
| BT40-CK6-115L | 115            | 80             | 36             | 64             | -              | M12-1.0P-18L  | 1    | 2.70                  |
| BT40-CK6-165L | 165            | 130            | 36             | 64             | -              | M12-1.0P-18L  | 1    | 3.90                  |

### 選配表 Option

| 拉頭 Pull Stud | 延長桿 Extension Spacer | 搪頭 Boring Head |      |      |      |      |      |
|--------------|----------------------|----------------|------|------|------|------|------|
|              |                      |                |      |      |      |      |      |
| B645-B647    | B708-B709            | B687           | B694 | B746 | B717 | B727 | B730 |

· 長度單位 Unit of Length (mm)

細牙  
Fine Teeth

LEMMA



Fig.1

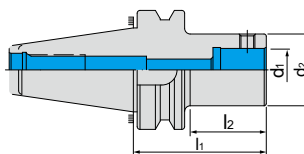
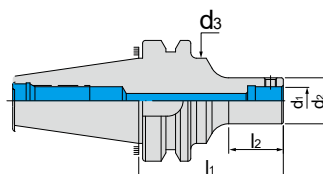


Fig.2



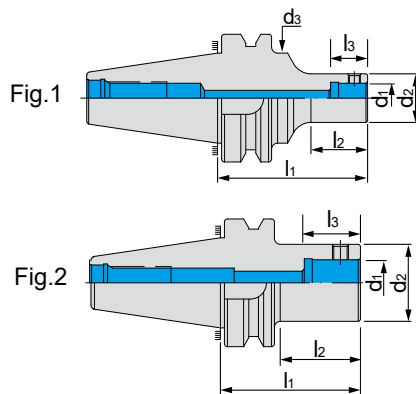
| 規格<br>Spec.      | $l_1$ | $l_2$ | $d_1$ | $d_2$ | $d_3$ | 側邊螺絲<br>Screw | Fig. | 重量<br>(KGS)Weight |
|------------------|-------|-------|-------|-------|-------|---------------|------|-------------------|
| BT50-CK1-115L    | 115   | 40    | 11    | 19    | 31    | M4-0.5P-5L    | 2    | 4.00              |
| BT50-CK1-145L    | 145   | 70    | 11    | 19    | 31    | M4-0.5P-5L    | 2    | 4.10              |
| BT50-CK2-110L    | 110   | 65    | 14    | 24    | -     | M5-0.5P-6.5L  | 1    | 3.90              |
| BT50-CK2-140L    | 140   | 95    | 14    | 24    | -     | M5-0.5P-6.5L  | 1    | 4.00              |
| BT50-CK3-125L    | 125   | 80    | 18    | 31    | -     | M6-0.75P-8L   | 1    | 4.10              |
| BT50-CK3-155L    | 155   | 110   | 18    | 31    | -     | M6-0.75P-8L   | 1    | 4.20              |
| BT50-CK4-115L    | 115   | 70    | 22    | 39    | -     | M8-0.75P-11L  | 1    | 4.30              |
| BT50-CK4-145L    | 145   | 100   | 22    | 39    | -     | M8-0.75P-11L  | 1    | 4.40              |
| BT50-CK4-175L    | 175   | 130   | 22    | 39    | -     | M8-0.75P-11L  | 1    | 4.80              |
| BT50-CK4-205L    | 205   | 160   | 22    | 39    | -     | M8-0.75P-11L  | 1    | 4.90              |
| BT50-CK5-105L    | 105   | 60    | 28    | 50    | -     | M10-1.0P-14L  | 1    | 4.50              |
| BT50-CK5-180L    | 180   | 135   | 28    | 50    | -     | M10-1.0P-14L  | 1    | 5.50              |
| BT50-CK5-240L    | 240   | 195   | 28    | 50    | -     | M10-1.0P-14L  | 1    | 6.20              |
| BT50-CK5-300L    | 300   | 195   | 28    | 50    | 64    | M10-1.0P-14L  | 2    | 7.60              |
| BT50-CK6-95L     | 95    | 50    | 36    | 64    | -     | M12-1.0P-18L  | 1    | 4.50              |
| BT50-CK6-170L    | 170   | 125   | 36    | 64    | -     | M12-1.0P-18L  | 1    | 6.30              |
| BT50-CK6-230L    | 230   | 185   | 36    | 64    | -     | M12-1.0P-18L  | 1    | 7.60              |
| BT50-CK6-290L    | 290   | 245   | 36    | 64    | -     | M12-1.0P-18L  | 1    | 9.00              |
| BT50-CK6-350L    | 350   | 300   | 36    | 64    | 90    | M12-1.0P-18L  | 2    | 13.5              |
| BT50-CK7R-100    | 100   | 55    | 58    | 88    | -     | M12-1.0P-18L  | 1    | 4.80              |
| BT50-CK7R-150    | 150   | 105   | 58    | 88    | -     | M12-1.0P-18L  | 1    | 6.50              |
| BT50-CK7R-200    | 200   | 155   | 58    | 88    | -     | M12-1.0P-18L  | 1    | 8.00              |
| BT50-CK7R-250    | 250   | 205   | 58    | 88    | -     | M12-1.0P-18L  | 1    | 9.00              |
| BT50-CK7R-300    | 300   | 255   | 58    | 88    | -     | M12-1.0P-18L  | 1    | 10.00             |
| BT50-CK7R-350    | 350   | 305   | 58    | 88    | -     | M12-1.0P-18L  | 1    | 12.00             |
| BT50-CK7R-400    | 400   | 355   | 58    | 88    | -     | M12-1.0P-18L  | 1    | 14.00             |
| BT50-CK7R-450    | 450   | 405   | 58    | 88    | -     | M12-1.0P-18L  | 1    | 17.10             |
| BT50-CK7R-500    | 500   | 455   | 58    | 88    | -     | M12-1.0P-18L  | 1    | 18.70             |
| BT50-CK7R-550    | 550   | 505   | 58    | 88    | -     | M12-1.0P-18L  | 1    | 20.40             |
| HSK100A-CK7R-100 | 100   | 66    | 58    | 88    | -     | M12-1.0P-18L  | 1    | -                 |
| HSK100A-CK7R-150 | 150   | 116   | 58    | 88    | -     | M12-1.0P-18L  | 1    | -                 |
| HSK100A-CK7R-200 | 200   | 166   | 58    | 88    | -     | M12-1.0P-18L  | 1    | -                 |
| HSK100A-CK7R-250 | 250   | 216   | 58    | 88    | -     | M12-1.0P-18L  | 1    | -                 |
| HSK100A-CK7R-300 | 300   | 266   | 58    | 88    | -     | M12-1.0P-18L  | 1    | -                 |
| HSK100A-CK7R-350 | 350   | 316   | 58    | 88    | -     | M12-1.0P-18L  | 1    | -                 |
| HSK100A-CK7R-400 | 400   | 366   | 58    | 88    | -     | M12-1.0P-18L  | 1    | -                 |
| HSK100A-CK7R-450 | 450   | 416   | 58    | 88    | -     | M12-1.0P-18L  | 1    | -                 |

### 選配表 Option

| 拉頭 Pull Stud                                                                        | 延長桿 Extension Spacer                                                                | 搪頭 Boring Head                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |
| B645-B647                                                                           | B708-B709                                                                           | B687                                                                                | B694                                                                                | B746                                                                                | B717                                                                                | B727                                                                                | B730                                                                                  |

· 長度單位 Unit of Length (mm)





### 特點 Feature

- 內孔公差 H6
- 整支通孔，利於出水及抗震
- 可共用並互容於大多數 "CK" 系列
- 側邊鎖固螺絲與鍵槽呈 90 度，確保搪孔切削完畢時的相對位置
- 鎖固時請使用螺絲防卡油防止因搪孔加工扭力過大，導致螺絲卡死難以拆卸組裝

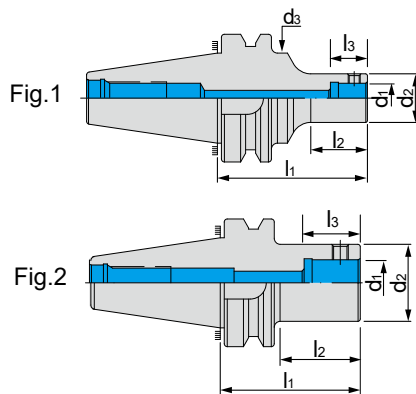
- Internal tolerance is H6.
- The tool holder with through coolant design is better for water to get through vibration resistance
- Sharing and mutual tolerance in most of the "CK" series.
- Side of the locking screw and keyway was 90 degrees, to ensure that the relative position of the conclusion of the boring cutting.
- Due to big boring torque, please apply the grease when screwing to avoid the screw jammed shut.

| 規格 Spec.       | $l_1$ | $l_2$ | $l_3$ | $d_1$ | $d_2$ | $d_3$ | 側邊螺絲 Screw | Fig. | 重量 (KGS) Weight |
|----------------|-------|-------|-------|-------|-------|-------|------------|------|-----------------|
| SBT30-MCK1-55  | 55    | 28    | 18    | 11    | 19    | -     | M4-0.5P    | 2    | 0.70            |
| SBT30-MCK1-70  | 70    | 43    | 18    | 11    | 19    | -     | M4-0.5P    | 2    | 0.80            |
| SBT30-MCK2-60  | 60    | 33    | 18.5  | 14    | 23.5  | -     | M5-0.5P    | 2    | 0.80            |
| SBT30-MCK2-75  | 75    | 48    | 18.5  | 14    | 23.5  | -     | M5-0.5P    | 2    | 0.80            |
| SBT30-MCK2-80  | 80    | 53    | 18.5  | 14    | 23.5  | -     | M5-0.5P    | 2    | 0.81            |
| SBT30-MCK3-50  | 50    | 26    | 24    | 18    | 31    | -     | M6-0.75P   | 2    | 0.90            |
| SBT30-MCK3-80  | 80    | 56    | 24    | 18    | 31    | -     | M6-0.75P   | 2    | 0.95            |
| SBT30-MCK4-60  | 60    | 37    | 22    | 22    | 39    | -     | M8-0.75P   | 2    | 1.00            |
| SBT30-MCK4-70  | 70    | 47    | 29    | 22    | 39    | -     | M8-0.75P   | 2    | 1.00            |
| SBT30-MCK5-70  | 70    | 47    | 35    | 28    | 50    | -     | M10-1.0P   | 2    | 1.10            |
| SBT30-MCK6-60  | 60    | 38    | 42    | 36    | 63    | -     | M12-1.0P   | 2    | 1.20            |
| SBT40-MCK1-100 | 100   | 51    | 18    | 11    | 19    | 44.45 | M4-0.5P    | 1    | 1.48            |
| SBT40-MCK1-115 | 115   | 66    | 18    | 11    | 19    | 44.45 | M4-0.5P    | 1    | 1.30            |
| SBT40-MCK2-75  | 75    | 28    | 18.5  | 14    | 23.5  | 44.45 | M5-0.75P   | 1    | 1.14            |
| SBT40-MCK2-85  | 85    | 38    | 18.5  | 14    | 23.5  | 44.45 | M5-0.75P   | 1    | 1.24            |
| SBT40-MCK2-115 | 115   | 68    | 18.5  | 14    | 23.5  | 44.45 | M5-0.75P   | 1    | 1.30            |
| SBT40-MCK3-80  | 80    | 48    | 24    | 18    | 31    | -     | M6-0.75P   | 2    | 1.22            |
| SBT40-MCK3-95  | 95    | 63    | 24    | 18    | 31    | -     | M6-0.75P   | 2    | 1.32            |
| SBT40-MCK3-125 | 125   | 93    | 24    | 18    | 31    | -     | M6-0.75P   | 2    | 1.40            |
| SBT40-MCK3-155 | 155   | 123   | 24    | 18    | 31    | -     | M6-0.75P   | 2    | 1.42            |
| SBT40-MCK4-70  | 70    | 40    | 28    | 22    | 39    | -     | M8-0.75P   | 2    | 1.50            |
| SBT40-MCK4-100 | 100   | 70    | 28    | 22    | 39    | -     | M8-0.75P   | 2    | 1.56            |
| SBT40-MCK4-130 | 130   | 98    | 28    | 22    | 39    | -     | M8-0.75P   | 2    | 1.66            |
| SBT40-MCK4-175 | 175   | 143   | 28    | 22    | 39    | -     | M8-0.75P   | 2    | 1.76            |
| SBT40-MCK5-60  | 60    | 30    | 35    | 28    | 50    | -     | M10-1.0P   | 2    | 1.30            |
| SBT40-MCK5-80  | 80    | 51    | 35    | 28    | 50    | -     | M10-1.0P   | 2    | 1.60            |
| SBT40-MCK5-125 | 125   | 96    | 35    | 28    | 50    | -     | M10-1.0P   | 2    | 1.70            |
| SBT40-MCK5-175 | 175   | 146   | 35    | 28    | 50    | -     | M10-1.0P   | 2    | 1.90            |
| SBT40-MCK6-55  | 55    | 28    | 42    | 36    | 63    | -     | M12-1.0P   | 2    | 2.15            |
| SBT40-MCK6-65  | 65    | 38    | 42    | 36    | 63    | -     | M12-1.0P   | 2    | 2.20            |
| SBT40-MCK6-115 | 115   | 88    | 42    | 36    | 63    | -     | M12-1.0P   | 2    | 2.40            |
| SBT40-MCK6-165 | 165   | 138   | 42    | 36    | 63    | -     | M12-1.0P   | 2    | 2.50            |

### 選配表 Option

| 拉頭 Pull Stud | 延長桿 Extension Spacer | 搪頭 Boring Head |      |      |      |      |      |
|--------------|----------------------|----------------|------|------|------|------|------|
|              |                      |                |      |      |      |      |      |
| B645-B647    | B708-B709            | B687           | B694 | B746 | B717 | B727 | B730 |

· 長度單位 Unit of Length (mm)



### 特點 Feature

- 內孔公差 H6
- 整支通孔，利於出水及抗震
- 可共用並互容於大多數“CK”系列
- 側邊鎖固螺絲與鍵槽呈 90 度，確保搪孔切削完畢時的相對位置
- 鎖固時請使用螺絲防卡油防止因搪孔加工扭力過大，導致螺絲卡死難以拆卸組裝

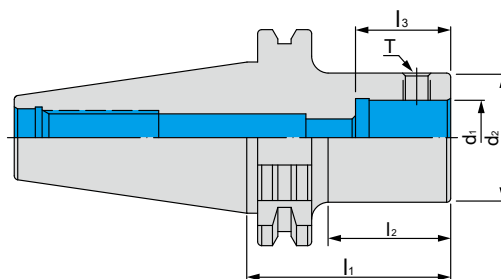
- Internal tolerance is H6.
- The tool holder with through coolant design is better for water to get through vibration resistance
- Sharing and mutual tolerance in most of the "CK" series.
- Side of the locking screw and keyway was 90 degrees, to ensure that the relative position of the conclusion of the boring cutting.
- Due to big boring torque, please apply the grease when screwing to avoid the screw jammed shut.

| 規格 Spec.       | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>1</sub> | d <sub>2</sub> | d <sub>3</sub> | 側邊螺絲 Screw | Fig. | 重量 (KGS) Weight |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------|-----------------|
| SBT50-MCK1-105 | 105            | 38             | 18             | 11             | 19             | 69.85          | M4-0.5P    | 1    | 3.90            |
| SBT50-MCK1-115 | 115            | 48             | 18             | 11             | 19             | 69.85          | M4-0.5P    | 1    | 3.90            |
| SBT50-MCK1-145 | 145            | 78             | 18             | 11             | 19             | 69.85          | M4-0.5P    | 1    | 4.00            |
| SBT50-MCK2-105 | 105            | 39             | 18.5           | 14             | 23.5           | 69.85          | M5-0.5P    | 1    | 4.00            |
| SBT50-MCK2-135 | 135            | 67             | 18.5           | 14             | 23.5           | 69.85          | M5-0.5P    | 1    | 4.10            |
| SBT50-MCK2-140 | 140            | 72             | 18.5           | 14             | 23.5           | 69.85          | M5-0.5P    | 1    | 4.10            |
| SBT50-MCK3-110 | 110            | 62             | 24             | 18             | 31             | -              | M6-0.75P   | 2    | 4.40            |
| SBT50-MCK3-140 | 140            | 92             | 24             | 18             | 31             | -              | M6-0.75P   | 2    | 4.60            |
| SBT50-MCK3-155 | 155            | 107            | 24             | 18             | 31             | -              | M6-0.75P   | 2    | 4.60            |
| SBT50-MCK4-100 | 100            | 52             | 28             | 22             | 39             | -              | M8-0.75P   | 2    | 4.80            |
| SBT50-MCK4-160 | 160            | 112            | 28             | 22             | 39             | -              | M8-0.75P   | 2    | 5.20            |
| SBT50-MCK4-175 | 175            | 127            | 28             | 22             | 39             | -              | M8-0.75P   | 2    | 5.30            |
| SBT50-MCK4-205 | 205            | 205            | 28             | 22             | 39             | -              | M8-0.75P   | 2    | 5.40            |
| SBT50-MCK5-90  | 90             | 42             | 35             | 28             | 50             | -              | M10-1.0P   | 2    | 5.40            |
| SBT50-MCK5-105 | 105            | 57             | 35             | 28             | 50             | -              | M10-1.0P   | 2    | 5.60            |
| SBT50-MCK5-165 | 165            | 117            | 35             | 28             | 50             | -              | M10-1.0P   | 2    | 6.20            |
| SBT50-MCK5-210 | 210            | 162            | 35             | 28             | 50             | -              | M10-1.0P   | 2    | 6.40            |
| SBT50-MCK5-240 | 240            | 192            | 35             | 28             | 50             | -              | M10-1.0P   | 2    | 6.60            |
| SBT50-MCK5-300 | 300            | 252            | 35             | 28             | 50             | -              | M10-1.0P   | 2    | 6.80            |
| SBT50-MCK6-85  | 85             | 37             | 42             | 36             | 63             | -              | M12-1.0P   | 2    | 5.90            |
| SBT50-MCK6-155 | 155            | 107            | 42             | 36             | 63             | -              | M12-1.0P   | 2    | 6.50            |
| SBT50-MCK6-215 | 215            | 167            | 42             | 36             | 63             | -              | M12-1.0P   | 2    | 6.90            |
| SBT50-MCK6-250 | 250            | 212            | 42             | 36             | 63             | -              | M12-1.0P   | 2    | 7.00            |
| SBT50-MCK6-300 | 300            | 262            | 42             | 36             | 63             | -              | M12-1.0P   | 2    | 7.20            |
| SBT50-MCK6-350 | 350            | 312            | 42             | 36             | 63             | -              | M12-1.0P   | 2    | 7.40            |
| SBT50-MCK7-180 | 180            | 139            | 52             | 46             | 90             | -              | M12-1.0P   | 2    | 5.00            |
| SBT50-MCK7-330 | 330            | 289            | 52             | 46             | 90             | -              | M12-1.0P   | 2    | 12.5            |

### 選配表 Option

| 拉頭 Pull Stud                                                                        | 延長桿 Extension Spacer                                                                | 搪頭 Boring Head                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |
| B645-B647                                                                           | B708-B709                                                                           | B687                                                                                | B694                                                                                | B746                                                                                | B717                                                                                | B727                                                                                | B730                                                                                |

· 長度單位 Unit of Length (mm)



### 特點 Feature

- 內孔公差 H6
- 整支通孔，利於出水及抗震
- 可共用並互容於大多數 "CK" 系列
- 側邊鎖固螺絲與鍵槽呈 90 度，確保搪孔切削機能時的退刀相位
- 鎖固時請使用螺絲防卡油防止因搪孔加工扭力過大，導致螺絲卡死難以拆卸組裝

- Internal tolerance is H6.
- The tool holder with through coolant design is better for water to get through vibration resistance
- Compatible on most "CK" series
- 90 degree between the side lock screw & notch, ensure the correct position of cutter when the cutter go back.
- Due to big boring torque, please apply the grease when screwing to avoid the screw jammed shut.

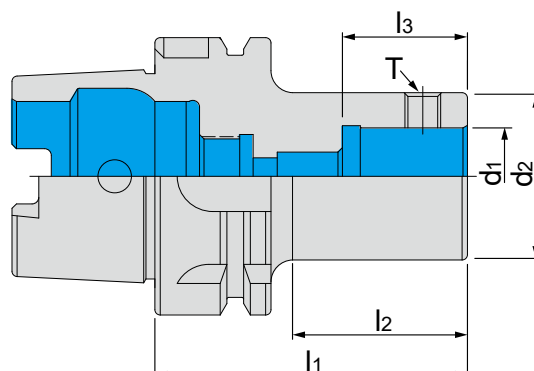
| 規格<br>Spec.    | $l_1$ | $l_2$ | $l_3$ | $d_1$ | $d_2$ | T        | 重量<br>(KGS)<br>Weight |
|----------------|-------|-------|-------|-------|-------|----------|-----------------------|
| DAT30-MCK1-50  | 50    | 27.9  | 15    | 11    | 19    | M4-0.5P  | 0.60                  |
| DAT30-MCK2-65  | 65    | 42.9  | 18.5  | 14    | 23.5  | M5-0.5P  | 0.70                  |
| DAT30-MCK3-50  | 50    | 27.9  | 22    | 18    | 31    | M6-0.75P | 0.80                  |
| DAT30-MCK4-50  | 50    | 27.9  | 28    | 22    | 39    | M8-0.75P | 1.30                  |
| DAT40-MCK1-80  | 80    | 50.9  | 18    | 11    | 19    | M4-0.5P  | 1.00                  |
| DAT40-MCK1-95  | 95    | 65.9  | 18    | 11    | 19    | M4-0.5P  | 1.05                  |
| DAT40-MCK2-80  | 80    | 50.9  | 18.5  | 14    | 23.5  | M5-0.5P  | 1.10                  |
| DAT40-MCK2-110 | 110   | 80.9  | 18.5  | 14    | 23.5  | M5-0.5P  | 1.15                  |
| DAT40-MCK3-90  | 90    | 65.9  | 24    | 18    | 31    | M6-0.75P | 1.20                  |
| DAT40-MCK3-125 | 125   | 100.9 | 24    | 18    | 31    | M6-0.75P | 1.25                  |
| DAT40-MCK4-80  | 80    | 55.9  | 28    | 22    | 39    | M8-0.75P | 1.30                  |
| DAT40-MCK4-110 | 110   | 85.9  | 28    | 22    | 39    | M8-0.75P | 1.35                  |
| DAT40-MCK5-95  | 95    | 75.4  | 35    | 28    | 50    | M10-1.0P | 1.40                  |
| DAT40-MCK5-110 | 110   | 90.4  | 35    | 28    | 50    | M10-1.0P | 1.45                  |
| DAT40-MCK6-65  | 65    | 45.4  | 42    | 36    | 63    | M12-1.0P | 1.50                  |
| DAT40-MCK6-95  | 95    | 75.4  | 42    | 36    | 63    | M12-1.0P | 1.55                  |
| DAT50-MCK1-110 | 110   | 80.9  | 18    | 11    | 19    | M4-0.5P  | 3.10                  |
| DAT50-MCK1-125 | 125   | 95.9  | 18    | 11    | 19    | M4-0.5P  | 3.15                  |
| DAT50-MCK2-95  | 95    | 65.9  | 18.5  | 14    | 23.5  | M5-0.5P  | 3.20                  |
| DAT50-MCK2-125 | 125   | 95.9  | 18.5  | 14    | 23.5  | M5-0.5P  | 3.25                  |
| DAT50-MCK3-125 | 125   | 95.9  | 24    | 18    | 31    | M6-0.75P | 3.30                  |
| DAT50-MCK3-155 | 155   | 125.9 | 24    | 18    | 31    | M6-0.75P | 3.35                  |
| DAT50-MCK4-110 | 110   | 80.9  | 28    | 22    | 39    | M8-0.75P | 3.40                  |
| DAT50-MCK4-125 | 125   | 95.9  | 28    | 22    | 39    | M8-0.75P | 3.45                  |
| DAT50-MCK5-65  | 65    | 35.9  | 35    | 28    | 50    | M10-1.0P | 3.50                  |
| DAT50-MCK5-140 | 140   | 110.9 | 35    | 28    | 50    | M10-1.0P | 3.55                  |
| DAT50-MCK6-140 | 140   | 110.9 | 42    | 36    | 63    | M12-1.0P | 3.60                  |
| DAT50-MCK6-170 | 170   | 140.9 | 42    | 36    | 63    | M12-1.0P | 3.65                  |
| DAT50-MCK7-95  | 95    | 60    | 52    | 46    | 90    | M20-1.5P | 5.00                  |

### 選配表 Option

| 拉頭 Pull Stud                                                                        | 延長桿 Extension Spacer                                                                | 搪頭 Boring Head                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |
| B645-B647                                                                           | B708-B709                                                                           | B687                                                                                | B694                                                                                | B746                                                                                | B717                                                                                | B727                                                                                | B730                                                                                  |

· 長度單位 Unit of Length (mm)

細牙 Fine Teeth



| 規格<br>Spec.      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>1</sub> | d <sub>2</sub> | T        | 重量<br>(KGS)<br>Weight |
|------------------|----------------|----------------|----------------|----------------|----------------|----------|-----------------------|
| HSK40A-MCK1-50   | 50             | 27             | 15             | 11             | 19             | M4-0.5P  | 0.60                  |
| HSK40A-MCK2-60   | 60             | 37             | 18.5           | 14             | 23.5           | M5-0.5P  | 0.36                  |
| HSK40A-MCK3-60   | 60             | 38             | 22             | 18             | 31             | M6-0.75P | 0.80                  |
| HSK50A-MCK1-60   | 60             | 31             | 15             | 11             | 19             | M4-0.5P  | 1.00                  |
| HSK50A-MCK2-60   | 60             | 31             | 18.5           | 14             | 23.5           | M5-0.5P  | 1.10                  |
| HSK50A-MCK3-60   | 60             | 32             | 22             | 18             | 31             | M6-0.75P | 1.20                  |
| HSK50A-MCK4-60   | 60             | 32             | 24             | 22             | 39             | M8-0.75P | 1.30                  |
| HSK50A-MCK5-80   | 80             | 53             | 30             | 28             | 50             | M10-1.0P | 1.00                  |
| HSK50A-MCK6-80   | 80             | 53             | 40             | 36             | 63             | M12-1.0P | 1.50                  |
| HSK63A-MCK1-80   | 80             | 49             | 15             | 11             | 19             | M4-0.5P  | 1.20                  |
| HSK63A-MCK1-95   | 95             | 64             | 15             | 11             | 19             | M4-0.5P  | 1.25                  |
| HSK63A-MCK2-80   | 80             | 44             | 18.5           | 14             | 23.5           | M5-0.5P  | 0.86                  |
| HSK63A-MCK2-110  | 110            | 79             | 18.5           | 14             | 23.5           | M5-0.5P  | 1.35                  |
| HSK63A-MCK3-90   | 90             | 59             | 24             | 18             | 31             | M6-0.75P | 1.02                  |
| HSK63A-MCK3-125  | 125            | 94             | 24             | 18             | 31             | M6-0.75P | 0.52                  |
| HSK63A-MCK4-80   | 80             | 49             | 28             | 22             | 39             | M8-0.75P | 1.09                  |
| HSK63A-MCK4-110  | 110            | 79             | 28             | 22             | 39             | M8-0.75P | 1.55                  |
| HSK63A-MCK5-95   | 95             | 67.5           | 35             | 28             | 50             | M10-1.0P | 1.60                  |
| HSK63A-MCK5-110  | 110            | 82.5           | 35             | 28             | 50             | M10-1.0P | 1.78                  |
| HSK63A-MCK6-70   | 70             | 43.5           | 42             | 36             | 63             | M12-1.0P | 1.31                  |
| HSK63A-MCK6-95   | 95             | 68.5           | 42             | 36             | 63             | M12-1.0P | 1.84                  |
| HSK100A-MCK1-100 | 100            | 61             | 18             | 11             | 19             | M4-0.5P  | 2.07                  |
| HSK100A-MCK2-75  | 75             | 36             | 18.5           | 14             | 23.5           | M5-0.5P  | 2.09                  |
| HSK100A-MCK2-115 | 115            | 76             | 18.5           | 14             | 23.5           | M5-0.5P  | 2.18                  |
| HSK100A-MCK3-60  | 60             | 21             | 24             | 18             | 31             | M6-0.75P | 2.15                  |
| HSK100A-MCK3-125 | 125            | 86             | 24             | 18             | 31             | M6-0.75P | 2.47                  |
| HSK100A-MCK4-70  | 70             | 31             | 28             | 22             | 39             | M8-0.75P | 2.34                  |
| HSK100A-MCK4-120 | 120            | 86             | 28             | 22             | 39             | M8-0.75P | 2.76                  |
| HSK100A-MCK5-70  | 70             | 31             | 35             | 28             | 50             | M10-1.0P | 2.60                  |

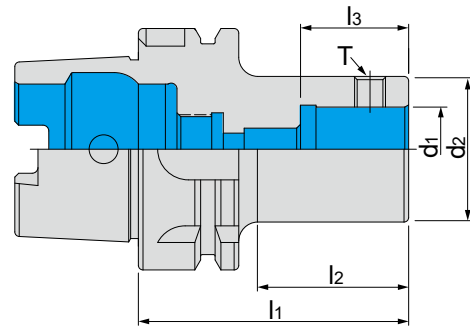
HSK

### 選配表 Option

| 延長棒 Extension Spacer                                                                | 搪頭 Boring Head                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 給水管 Coolant Supply Unit                                                               |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |
| B708-B709                                                                           | B687                                                                                | B694                                                                                | B746                                                                                | B717                                                                                | B727                                                                                | B730                                                                                | B519                                                                                  |

· 長度單位 Unit of Length (mm)

細牙 Fine Teeth



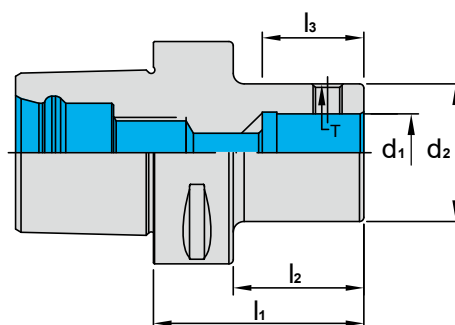
| 規格<br>Spec.      | $l_1$ | $l_2$ | $l_3$ | $d_1$ | $d_2$ | T        | 重量<br>(KGS)<br>Weight |
|------------------|-------|-------|-------|-------|-------|----------|-----------------------|
| HSK100A-MCK5-110 | 110   | 76    | 35    | 28    | 50    | M10-1.0P | 3.17                  |
| HSK100A-MCK6-75  | 75    | 41    | 42    | 36    | 63    | M12-1.0P | 3.02                  |
| HSK100A-MCK6-100 | 100   | 66    | 42    | 36    | 63    | M12-1.0P | 3.60                  |

HSK

### 選配表 Option

| 延長桿 Extension Spacer                                                                | 搪頭 Boring Head                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 給水管 Coolant Supply Unit                                                               |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |
| B708-B709                                                                           | B687                                                                                | B694                                                                                | B746                                                                                | B717                                                                                | B727                                                                                | B730                                                                                | B519                                                                                  |

· 長度單位 Unit of Length (mm)



### 特點 Feature

- 內孔公差 H6
- 整支通孔，利於出水及抗震

- Internal tolerance is H6.
- The tool holder with through coolant design is better for water to get through vibration resistance

| 規格<br>Spec.    | $l_1$ | $l_2$ | $l_3$ | $d_1$ | $d_2$ | T        | 重量<br>(KGS)<br>Weight |
|----------------|-------|-------|-------|-------|-------|----------|-----------------------|
| PSC40-MCK2-45  | 45    | 19.5  | 18.5  | 14    | 24    | M5-0.5P  | 0.40                  |
| PSC40-MCK3-40  | 40    | 17    | 24    | 18    | 31    | M6-0.75P | 0.50                  |
| PSC40-MCK4-33  | 33    | 12.5  | 28    | 22    | 39    | M8-0.75P | 0.50                  |
| PSC50-MCK2-85  | 85    | 60.5  | 18.5  | 14    | 24    | M5-0.5P  | 0.60                  |
| PSC50-MCK3-55  | 55    | 30    | 24    | 18    | 31    | M6-0.75P | 0.60                  |
| PSC50-MCK3-80  | 80    | 55    | 24    | 18    | 31    | M6-0.75P | 0.70                  |
| PSC50-MCK4-48  | 48    | 23    | 28    | 22    | 39    | M8-0.75P | 0.60                  |
| PSC50-MCK4-73  | 73    | 48    | 28    | 22    | 39    | M8-0.75P | 0.70                  |
| PSC50-MCK5-50  | 50    | 30    | 35    | 28    | 50    | M10-1.0P | 0.60                  |
| PSC50-MCK5-83  | 83    | 63    | 35    | 28    | 50    | M10-1.0P | 1.30                  |
| PSC50-MCK6-50  | 50    | 30    | 42    | 36    | 63    | M12-1.0P | 1.00                  |
| PSC63-MCK2-90  | 90    | 53    | 18.5  | 14    | 24    | M5-0.5P  | 1.30                  |
| PSC63-MCK3-65  | 65    | 38    | 24    | 18    | 31    | M6-0.75P | 1.30                  |
| PSC63-MCK3-100 | 100   | 73    | 24    | 18    | 31    | M6-0.75P | 1.50                  |
| PSC63-MCK4-58  | 58    | 31    | 28    | 22    | 39    | M8-0.75P | 1.30                  |
| PSC63-MCK4-93  | 93    | 66    | 28    | 22    | 39    | M8-0.75P | 1.70                  |
| PSC63-MCK5-48  | 48    | 22    | 35    | 28    | 50    | M10-1.0P | 1.30                  |
| PSC63-MCK5-83  | 83    | 57    | 35    | 28    | 50    | M10-1.0P | 1.70                  |
| PSC63-MCK6-59  | 59    | 37    | 42    | 36    | 63    | M12-1.0P | 1.60                  |
| PSC63-MCK6-94  | 94    | 72    | 42    | 36    | 63    | M12-1.0P | 2.30                  |

### 選配表 Option

| 延長桿 Extension Spacer                                                                | 搪頭 Boring Head                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 鎖刀座 Lock Device                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |
| B708-B709                                                                           | B687                                                                                | B694                                                                                | B746                                                                                | B717                                                                                | B727                                                                                | B730                                                                                | B655                                                                                  |

· 長度單位 Unit of Length (mm)





Fig.1

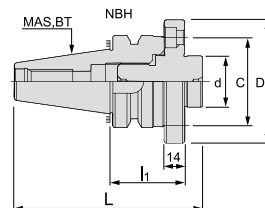
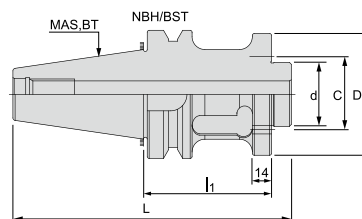


Fig.2



| 規格<br>Spec.       | L     | l <sub>1</sub> | D  | d<br>h7 | C                     | Fig. | 重量<br>(KGS)<br>Weight |
|-------------------|-------|----------------|----|---------|-----------------------|------|-----------------------|
| BT40-NBH2084A     | 155.4 | 51             | 84 | 35      | PCD.Ø60<br>4-M8-1.25P | 1    | 1.70                  |
| BT50-NBH2084A     | 170.8 | 57             | 84 | 35      |                       | 1    | 3.50                  |
| NT50-NBH2084A     | 168   | 41.2           | 84 | 35      |                       | 1    | 6.30                  |
| FR60-NBH2084      | 58.5  | 14             | 84 | 35      |                       | -    | -                     |
| BT40-NBH2084B-100 | 204.4 | 100            | 84 | 35      | PCD.Ø60<br>4-M8-1.25P | 2    | 2.00                  |
| BT50-NBH2084B-100 | 213.8 | 100            | 84 | 35      |                       | 2    | 4.00                  |
| BT50-NBH2084B-165 | 278.8 | 165            | 84 | 35      |                       | 2    | 4.50                  |
| BT50-NBH2084B-200 | 313.8 | 200            | 84 | 35      |                       | 2    | -                     |
| BT50-NBH2084B-250 | 363.8 | 250            | 84 | 35      |                       | 2    | 8.50                  |
| BT50-NBH2084B-300 | 413.8 | 300            | 84 | 35      |                       | 2    | 9.67                  |
| NT30-NBH2084      | 109   | 14             | 84 | 35      | PCD.Ø60<br>4-M8-1.25P | 2    | 3.60                  |
| NT40-NBH2084      | 136   | 14             | 84 | 35      |                       | 2    | 4.00                  |
| NT50-NBH2084      | 168   | 14             | 84 | 35      |                       | 2    | 6.30                  |
| BT40-BST-70       | 131   | 70             | 95 | 50      | PCD.Ø72<br>4-Ø13      | 2    | 2.50                  |
| BT50-BST-100      | 208.8 | 100            | 95 | 50      |                       | 2    | 5.65                  |
| BT50-BST-150      | 258.8 | 150            | 95 | 50      |                       | 2    | 6.75                  |
| BT50-BST-200      | 308.8 | 200            | 95 | 50      |                       | 2    | 8.75                  |
| BT50-BST-250      | 358.8 | 250            | 95 | 50      |                       | 2    | 9.76                  |
| BT50-BST-300      | 408.8 | 300            | 95 | 50      |                       | 2    | 11.5                  |
| BT50-BST-350      | 458.8 | 350            | 95 | 50      |                       | 2    | 12.8                  |
| BT50-BST-400      | 508.8 | 400            | 95 | 50      |                       | 2    | 14.1                  |

## 選配表 Option

| 拉頭 Pull Stud                                                                        | 搪頭 Boring Head                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| B645-B647                                                                           | B753                                                                                |

## BST 加強型搪孔刀柄

### BST BORING HEAD SHANK

Fig.1



Fig.2



Fig.1

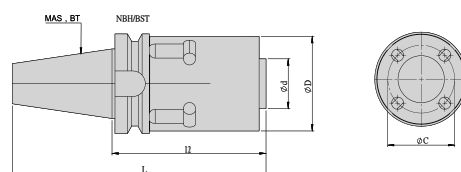
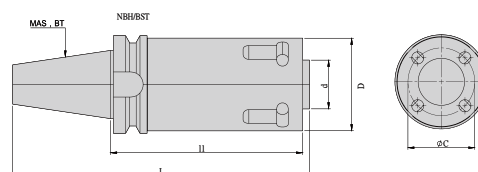


Fig.2



| 規格<br>Spec.       | L     | l <sub>1</sub> | D  | d<br>h7 | C                | 重量<br>(KGS)<br>Weight | Fig. |
|-------------------|-------|----------------|----|---------|------------------|-----------------------|------|
| BT50-BST-150L-D95 | 258.8 | 150            | 95 | 50      | PCD.Ø72<br>4-Ø13 | 6.75                  | 1    |
| BT50-BST-200L-D95 | 308.8 | 200            | 95 | 50      |                  | -                     | 2    |
| BT50-BST-250L-D95 | 358.8 | 250            | 95 | 50      |                  | -                     | 2    |
| BT50-BST-300L-D95 | 408.8 | 300            | 95 | 50      |                  | -                     | 2    |

## SCK 等徑延長桿

### SCK EXTENSION CONSTANT DIAMETER

Fig.1

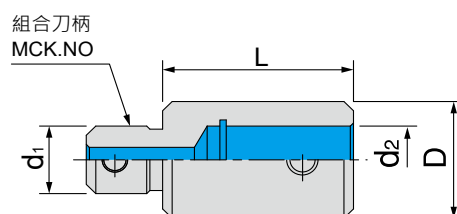
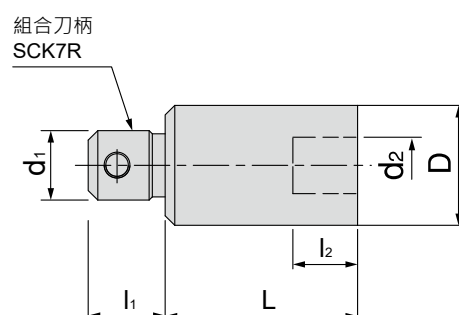


Fig.2

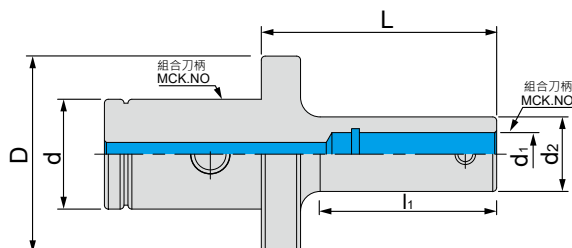


| 規格<br>Spec.  | L   | l <sub>1</sub> | l <sub>2</sub> | D  | d <sub>1</sub> | d <sub>2</sub> | 側邊螺絲<br>Screw | 適用搪頭<br>Boring Head        | Fig. | 重量<br>(KGS)<br>Weight |
|--------------|-----|----------------|----------------|----|----------------|----------------|---------------|----------------------------|------|-----------------------|
| SCK1-1-30L   | 30  | -              | -              | 19 | 11             | 11             | M4-0.5P-5L    | -                          | 1    | 0.07                  |
| SCK2-2-30L   | 30  | -              | -              | 24 | 14             | 14             | M5-0.5P-6.5L  | -                          | 1    | 0.10                  |
| SCK3-3-30L   | 30  | -              | -              | 31 | 18             | 18             | M6-0.75P-8L   | -                          | 1    | 0.15                  |
| SCK4-4-45L   | 45  | -              | -              | 39 | 22             | 22             | M8-0.75P-11L  | -                          | 1    | 0.40                  |
| SCK5-5-60L   | 60  | -              | -              | 50 | 28             | 28             | M10-1.0P-14L  | -                          | 1    | 0.80                  |
| SCK6-6-60L   | 60  | -              | -              | 64 | 36             | 36             | M12-1.0P-18L  | -                          | 1    | 1.40                  |
| SCK7R-7R-100 | 100 | 50             | 52             | 88 | 58             | 58             | M12-1.0P-18L  | CBH100DP、CBH150DP、CBH200DP | 2    | 4.85                  |

### 選配表 Option

| 拉頭 Pull Stud                                                                        | 搪頭 Boring Head                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| B645-B647                                                                           | B753                                                                                |

· 長度單位 Unit of Length (mm)



### 特點 Feature

-CBH100DP~CBH200DP /CK7R 接合柄專用

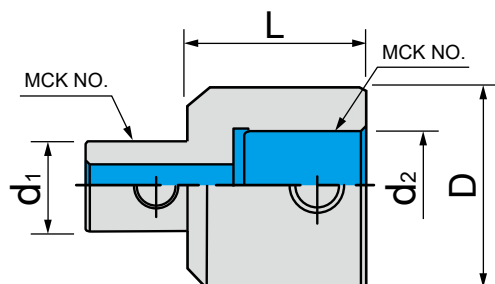
-For CBH100DP~CBH200DP /CK7R

| 規格<br>Spec. | L   | l <sub>1</sub> | D  | d  | d <sub>1</sub> | d <sub>2</sub> | 側邊螺絲<br>Screw | 重量 (KGS)<br>Weight |
|-------------|-----|----------------|----|----|----------------|----------------|---------------|--------------------|
| SCK2-1-36L  | 36  | 30             | 24 | 14 | 11             | 19             | M4-0.5P-5L    | 0.10               |
| SCK3-1-41L  | 41  | 30             | 31 | 18 | 11             | 19             | M4-0.5P-5L    | 0.15               |
| SCK3-2-37L  | 37  | 25             | 31 | 18 | 14             | 24             | M5-0.5P-6.5L  | 0.15               |
| SCK4-1-58L  | 58  | 40             | 39 | 22 | 11             | 19             | M4-0.5P-5L    | 0.30               |
| SCK4-2-50L  | 50  | 36             | 39 | 22 | 14             | 24             | M5-0.5P-6.5L  | 0.30               |
| SCK4-3-50L  | 50  | 37             | 39 | 22 | 18             | 31             | M6-0.75P-8L   | 0.35               |
| SCK5-1-60L  | 60  | 40             | 50 | 28 | 11             | 19             | M4-0.5P-5L    | 0.48               |
| SCK5-2-54L  | 54  | 35             | 50 | 28 | 14             | 24             | M5-0.5P-6.5L  | 0.45               |
| SCK5-2-74L  | 74  | 55             | 50 | 28 | 14             | 24             | M5-0.5P-6.5L  | 0.60               |
| SCK5-3-47L  | 47  | 29             | 50 | 28 | 18             | 31             | M6-0.75P-8L   | 0.52               |
| SCK5-3-72L  | 72  | 54             | 50 | 28 | 18             | 31             | M6-0.75P-8L   | 0.68               |
| SCK5-4-42L  | 42  | 25             | 50 | 28 | 22             | 39             | M8-0.75P-11L  | 0.50               |
| SCK5-4-67L  | 67  | 50             | 50 | 28 | 22             | 39             | M8-0.75P-11L  | 0.80               |
| SCK6-1-70L  | 70  | 40             | 64 | 36 | 11             | 19             | M4-0.5P-5L    | 0.95               |
| SCK6-2-63L  | 63  | 45             | 64 | 36 | 14             | 24             | M5-0.5P-6.5L  | 0.78               |
| SCK6-2-93L  | 93  | 75             | 64 | 36 | 14             | 24             | M5-0.5P-6.5L  | 0.80               |
| SCK6-3-56L  | 56  | 39             | 64 | 36 | 18             | 31             | M6-0.75P-8L   | 0.82               |
| SCK6-3-96L  | 96  | 79             | 64 | 36 | 18             | 31             | M6-0.75P-8L   | 1.07               |
| SCK6-4-51L  | 51  | 35             | 64 | 36 | 22             | 39             | M8-0.75P-11L  | 0.92               |
| SCK6-4-101L | 101 | 85             | 64 | 36 | 22             | 39             | M8-0.75P-11L  | 1.30               |
| SCK6-5-41L  | 41  | 25             | 64 | 36 | 28             | 52             | M10-1.0P-14L  | 0.94               |
| SCK6-5-91L  | 91  | 75             | 64 | 36 | 28             | 52             | M10-1.0P-14L  | 1.60               |
| BST-SCK6    | 100 | 60             | 95 | 50 | 36             | 64             | -             | 3.32               |
| SCK7R-6-145 | 145 | 128            | 88 | 58 | 36             | 64             | M12-1.0P-18L  | -                  |

## SCK 延長桿 (小接大)

### ARBOR FOR SCK EXTENSION

LEMMA



| 規格 Spec.   | L  | D  | d <sub>1</sub> | d <sub>2</sub> | 適用搪孔頭<br>Applicable Boring Head | 重量 (KGS)<br>Weight |
|------------|----|----|----------------|----------------|---------------------------------|--------------------|
| SCK3-4-35L | 35 | 39 | 18             | 22             | CBH40                           | 0.28               |
| SCK4-5-45L | 45 | 50 | 22             | 28             | CBH52                           | 0.58               |

- SCK3-4-35L 與 SCK4-5-45L 為小變大異徑延長桿

- SCK3-4-35L and SCK4-5-45L are the extension bar, diameter ranged from small to big.

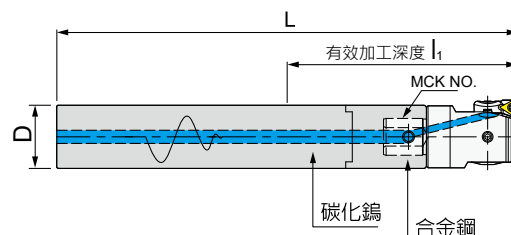
## SCK 直柄碳化鎢製搪孔頭刀桿

### SCK STRAIGHT CARBIDE BORING SHANK

LEMMA



範例 Example

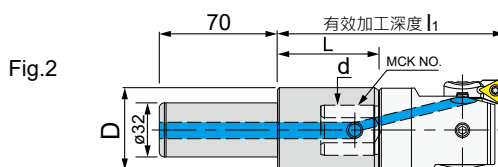
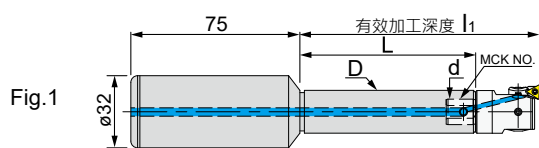


| 規格 Spec.       | L   | l <sub>1</sub> | D  | 重量 (KGS)<br>Weight |
|----------------|-----|----------------|----|--------------------|
| SC19-SCK1-130L | 180 | 130            | 19 | 0.54               |
| SC19-SCK1-150L | 225 | 150            | 19 | 0.72               |
| SC19-SCK1-200L | 275 | 200            | 19 | 0.92               |
| SC24-SCK2-140L | 200 | 140            | 24 | 0.88               |
| SC24-SCK2-180L | 260 | 180            | 24 | 1.24               |
| SC24-SCK2-240L | 320 | 240            | 24 | 1.60               |
| SC32-SCK3-160L | 240 | 160            | 32 | 2.00               |
| SC32-SCK3-240L | 320 | 240            | 32 | 2.88               |
| SC32-SCK3-310L | 390 | 310            | 32 | 3.62               |

· 長度單位 Unit of Length (mm)



### 範例 Example



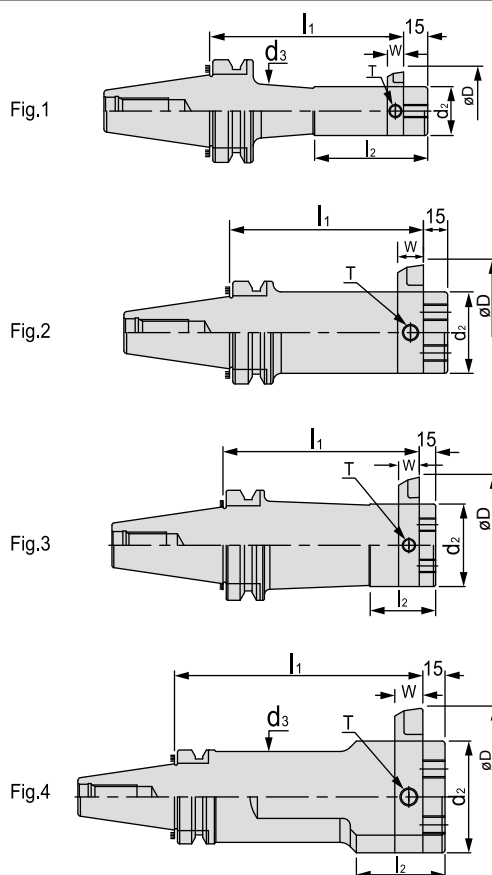
| 規格<br>Spec.   | L   | 有效加工深度<br>$l_1$ | D  | d  | 適用搪孔頭<br>Applicable Boring Head              | Fig. | 重量<br>(KGS)<br>Weight |
|---------------|-----|-----------------|----|----|----------------------------------------------|------|-----------------------|
| C32-SCK1-75L  | 75  | 110             | 19 | 11 | CBH20                                        | 1    | 0.62                  |
| C32-SCK2-70L  | 70  | 110             | 24 | 14 | RBH25/RBH25LA/CBH25                          | 1    | 0.67                  |
| C32-SCK2-120L | 120 | 160             | 24 | 14 | RBH25/RBH25LA/CBH25                          | 1    | 0.82                  |
| C32-SCK3-70L  | 70  | 110             | 31 | 18 | RBH32/RBH32LA/CBH32                          | 1    | 0.77                  |
| C32-SCK3-120L | 120 | 160             | 31 | 18 | RBH32/RBH32LA/CBH32                          | 1    | 1.03                  |
| C32-SCK4-60L  | 60  | 110             | 39 | 22 | RBH40/RBH40LA/CBH40/CBI4                     | 2    | 0.93                  |
| C32-SCK4-110L | 110 | 160             | 39 | 22 | RBH40/RBH40LA/CBH40/CBI4                     | 2    | 1.37                  |
| C32-SCK5-60L  | 60  | 120             | 50 | 28 | RBH52/RBH52LA/CBH52/CBI5                     | 2    | 1.22                  |
| C32-SCK5-120L | 120 | 180             | 50 | 28 | RBH52/RBH52LA/CBH52/CBI5                     | 2    | 2.00                  |
| C32-SCK6-60L  | 60  | 130             | 64 | 36 | RBH68,90/RBH68LA,90LA<br>/CBH68,100,150/CBI6 | 2    | 1.55                  |
| C32-SCK6-120L | 120 | 190             | 64 | 36 | RBH68,90/RBH68LA,90LA<br>/CBH68,100,150/CBI6 | 2    | 2.93                  |



搪孔範圍  
ø 25-260  
Boring Range

### 特點 Feature

- 適用於孔徑凹凸不平，毛胚粗糙之加工物
- 可選用四角形焊刀刀具或捨棄式刀具
- 搪通孔專用



- Suitable for the uneven hole & raw parts with rough surface.
- Selects the foursquare carbide tipped cutter or supplemental cutting tool.
- Exclusively for boring through hole.

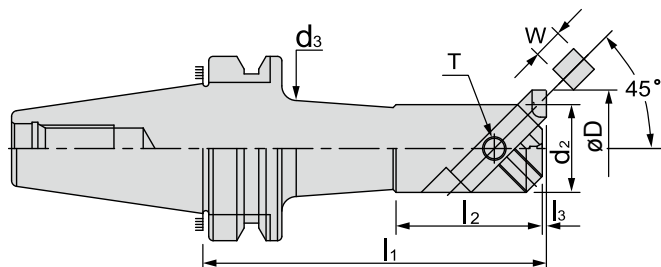
| 規格<br>Spec.     | øD 搪孔範圍 Boring Range |      | l <sub>1</sub> | l <sub>2</sub> | d <sub>2</sub> | d <sub>3</sub> | W  | T   | Fig. | 重量<br>(KGS)<br>Weight |
|-----------------|----------------------|------|----------------|----------------|----------------|----------------|----|-----|------|-----------------------|
|                 | Min.                 | Max. |                |                |                |                |    |     |      |                       |
| BT40-BSB25-120  | 25                   | 52   | 120            | 50             | 20             | 22             | 8  | M6  | 1    | 1.97                  |
| BT40-BSB38-150  | 38                   | 70   | 150            | 70             | 30             | 33             | 10 | M8  | 1    | 1.70                  |
| BT40-BSB50-165  | 50                   | 90   | 165            | 85             | 40             | 44             | 13 | M10 | 1    | 2.50                  |
| BT40-BSB62-180  | 62                   | 115  | 180            | 95             | 50             | 56             | 16 | M10 | 3    | 3.66                  |
| BT40-BSB90-180  | 90                   | 150  | 180            | 60             | 75             | 61             | 19 | M12 | 4    | 5.90                  |
| BT50-BSB25-135  | 25                   | 52   | 135            | 50             | 20             | 22             | 8  | M6  | 1    | 4.30                  |
| BT50-BSB38-180  | 38                   | 70   | 180            | 50             | 30             | 33             | 10 | M8  | 1    | 4.94                  |
| BT50-BSB50-180  | 50                   | 90   | 180            | 85             | 40             | 44             | 13 | M10 | 1    | 5.50                  |
| BT50-BSB50-240  | 50                   | 90   | 240            | 85             | 40             | 44             | 13 | M10 | 1    | 6.35                  |
| BT50-BSB62-195  | 62                   | 115  | 195            | -              | 50             | -              | 16 | M10 | 2    | 6.40                  |
| BT50-BSB62-270  | 62                   | 115  | 270            | -              | 50             | -              | 16 | M10 | 2    | 7.82                  |
| BT50-BSB72-195  | 72                   | 135  | 195            | 95             | 60             | 66             | 19 | M12 | 3    | 7.84                  |
| BT50-BSB72-285  | 72                   | 135  | 285            | 95             | 60             | 66             | 19 | M12 | 3    | 9.97                  |
| BT50-BSB90-210  | 90                   | 150  | 210            | 60             | 75             | 80             | 19 | M12 | 3    | 10.7                  |
| BT50-BSB90-300  | 90                   | 150  | 300            | 60             | 75             | 80             | 19 | M12 | 3    | 12.8                  |
| BT50-BSB105-195 | 105                  | 190  | 195            | -              | 90             | -              | 25 | M12 | 2    | 12.3                  |
| BT50-BSB105-285 | 105                  | 190  | 285            | -              | 90             | -              | 25 | M12 | 2    | 16.9                  |
| BT50-BSB130-255 | 130                  | 260  | 255            | 75             | 110            | 98             | 25 | M12 | 4    | 18.1                  |

### 選配表 Option

| 搪刀 Boring Cutter                                                                    |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| B714                                                                                | B715                                                                                | B715                                                                                |

· 長度單位 Unit of Length (mm)





搪孔範圍  
ø 25-190  
Boring Range

### 特點 Feature

- 可選用四角形熔焊刀具或捨棄式刀具
- 搪盲孔專用

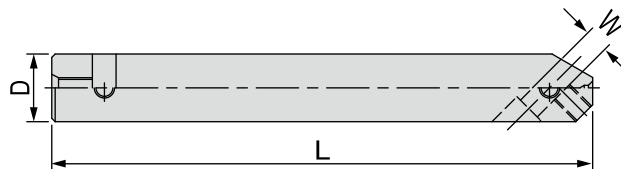
- Selects the foursquare carbide tipped cutter or supplemental cutting tool.
- Exclusively for boring blind hole.

| 規格<br>Spec.     | øD 搪孔範圍 Boring Range |      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | d <sub>3</sub> | W  | T   | 重量<br>(KGS)<br>Weight |
|-----------------|----------------------|------|----------------|----------------|----------------|----------------|----------------|----|-----|-----------------------|
|                 | Min.                 | Max. |                |                |                |                |                |    |     |                       |
| BT40-BSA25-120  | 25                   | 38   | 120            | 35             | 1              | 20             | 22             | 8  | M6  | 1.20                  |
| BT40-BSA30-150  | 30                   | 42   | 150            | 40             | 1.6            | 24             | 26             | 8  | M6  | 1.40                  |
| BT40-BSA38-165  | 38                   | 52   | 165            | 50             | 2.6            | 30             | 33             | 10 | M8  | 1.70                  |
| BT40-BSA42-165  | 42                   | 56   | 165            | 50             | 2.6            | 34             | 37             | 10 | M8  | 2.00                  |
| BT40-BSA50-165  | 50                   | 65   | 165            | 65             | 3              | 40             | 44             | 13 | M8  | 2.30                  |
| BT40-BSA62-180  | 62                   | 90   | 180            | 80             | 2              | 50             | 56             | 16 | M10 | 3.40                  |
| BT40-BSA72-180  | 72                   | 110  | 180            | 149            | 2.4            | 60             | -              | 19 | M10 | 3.90                  |
| BT40-BSA90-180  | 90                   | 125  | 180            | 60             | 4              | 75             | -              | 19 | M10 | 5.20                  |
| BT50-BSA25-135  | 25                   | 38   | 135            | 35             | 1              | 20             | 22             | 8  | M6  | 4.20                  |
| BT50-BSA30-165  | 30                   | 42   | 165            | 40             | 1.6            | 24             | 26             | 8  | M6  | 4.40                  |
| BT50-BSA38-180  | 38                   | 52   | 180            | 50             | 2.6            | 30             | 33             | 10 | M8  | 4.80                  |
| BT50-BSA42-210  | 42                   | 56   | 210            | 50             | 2.6            | 34             | 37             | 10 | M8  | 5.00                  |
| BT50-BSA50-180  | 50                   | 65   | 180            | 65             | 3              | 40             | 44             | 13 | M10 | 5.40                  |
| BT50-BSA50-240  | 50                   | 65   | 240            | 65             | 3              | 40             | 44             | 13 | M10 | 5.70                  |
| BT50-BSA62-195  | 62                   | 90   | 195            | 80             | 2              | 50             | 56             | 16 | M10 | 6.20                  |
| BT50-BSA62-270  | 62                   | 90   | 270            | 80             | 2              | 50             | 56             | 16 | M10 | 7.60                  |
| BT50-BSA72-195  | 72                   | 110  | 195            | 95             | 2.4            | 60             | 66             | 19 | M10 | 7.00                  |
| BT50-BSA72-285  | 72                   | 110  | 285            | 95             | 2.4            | 60             | 66             | 19 | M10 | 9.30                  |
| BT50-BSA90-210  | 90                   | 125  | 210            | 110            | 4              | 75             | 80             | 19 | M12 | 9.20                  |
| BT50-BSA90-300  | 90                   | 125  | 300            | 110            | 4              | 75             | 80             | 19 | M12 | 12.3                  |
| BT50-BSA105-195 | 105                  | 160  | 195            | 153            | 3              | 90             | -              | 25 | M12 | 10.7                  |
| BT50-BSA105-285 | 105                  | 160  | 285            | 130            | 3              | 90             | 94             | 25 | M12 | 15.0                  |
| BT50-BSA130-255 | 130                  | 190  | 255            | 120            | 3              | 110            | -              | 25 | M12 | 14.5                  |

### 選配表 Option

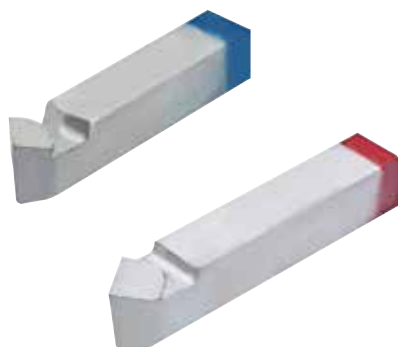
| 搪刀 Boring Cutter                                                                    |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| B714                                                                                | B715                                                                                |

· 長度單位 Unit of Length (mm)



搪孔範圍  
ø 18-75  
Boring Range

| 規格<br>Spec. | 搪孔角度<br>Boring Angle | øD 搪孔範圍 Boring Range |      | L   | D  | 側邊固定螺絲<br>Screw | W  | 重量<br>(KGS)<br>Weight |
|-------------|----------------------|----------------------|------|-----|----|-----------------|----|-----------------------|
|             |                      | Min.                 | Max. |     |    |                 |    |                       |
| C16-BS150   | 90°                  | 18                   | 28   | 150 | 16 | M5-0.8P-5L      | 6  | 0.24                  |
|             | 30°                  |                      |      |     |    |                 |    |                       |
| C18-BS180   | 90°                  | 20                   | 32   | 180 | 18 | M5-0.8P-5L      | 6  | 0.38                  |
|             | 30°                  |                      |      |     |    |                 |    |                       |
| C20-BS200   | 90°                  | 22                   | 36   | 200 | 20 | M6-1.0P-6L      | 8  | 0.50                  |
|             | 30°                  |                      |      |     |    |                 |    |                       |
| C25-BS250   | 90°                  | 28                   | 45   | 250 | 25 | M6-1.0P-6L      | 8  | 1.00                  |
|             | 30°                  |                      |      |     |    |                 |    |                       |
| C32-BS300   | 90°                  | 36                   | 58   | 300 | 32 | M8-1.25P-10L    | 10 | 1.88                  |
|             | 30°                  |                      |      |     |    | M8-1.25P-10L    |    |                       |
| C42-BS300   | 90°                  | 48                   | 75   | 300 | 42 | M10-1.5P-10L    | 13 | 3.18                  |
|             | 30°                  |                      |      |     |    | M10-1.5P-10L    |    |                       |

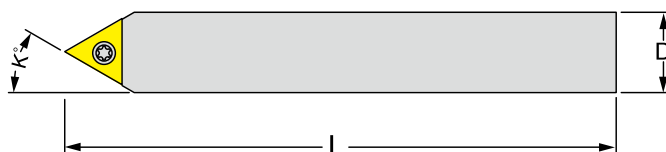


| 規格<br>Spec. | 規格<br>Spec. | 柄徑<br>Shank Diameter | 全長<br>Length | 角度<br>Angle | 重量<br>(KGS)<br>Weight |
|-------------|-------------|----------------------|--------------|-------------|-----------------------|
| BS-306P     | BS-306K     | 6                    | 30           | 30°         | 0.01                  |
| BS-308P     | BS-308K     | 8                    | 40           |             | 0.02                  |
| BS-310P     | BS-310K     | 10                   | 50           |             | 0.04                  |
| BS-313P     | BS-313K     | 13                   | 65           |             | 0.10                  |
| BS-316P     | BS-316K     | 16                   | 75           |             | 0.22                  |
| BS-406P     | BS-406K     | 6                    | 30           | 45°         | 0.01                  |
| BS-408P     | BS-408K     | 8                    | 40           |             | 0.03                  |
| BS-410P     | BS-410K     | 10                   | 50           |             | 0.04                  |
| BS-413P     | BS-413K     | 13                   | 65           |             | 0.09                  |
| BS-416P     | BS-416K     | 16                   | 75           |             | 0.22                  |
| BS-906P     | BS-906K     | 6                    | 30           | 90°         | 0.01                  |
| BS-908P     | BS-908K     | 8                    | 40           |             | 0.03                  |
| BS-910P     | BS-910K     | 10                   | 50           |             | 0.05                  |
| BS-913P     | BS-913K     | 13                   | 65           |             | 0.09                  |
| BS-916P     | BS-916K     | 16                   | 75           |             | 0.18                  |

- K 加工鑄鐵、鋁合金  
- P 加工合金鋼  
- 訂購前註明 K 或 P

- K Cast Iron, aluminium alloy  
- P Alloy Steels  
- Before the purchase please indicate K or P.

· 長度單位 Unit of Length (mm)



### 特點 Feature

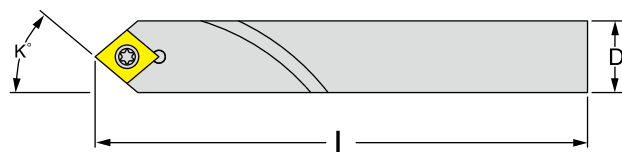
- 適用於 BSA、BSB 粗搪刀桿
- SBS 適合精加工及中切削加工

- Applicable for BSA BSB rough boring cutter.
- SBS is suitable for fine processing and medium cutting processing.

| 規格<br>Spec. | L   | D  | K   | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|-------------|-----|----|-----|--------------|-----------------|--------------|------------------------|-----------------------|
| SBS-308     | 55  | 8  | 30° | TP.0902      | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.04                  |
| SBS-310     | 65  | 10 | 30° | TP.0902      | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.06                  |
| SBS-313     | 80  | 13 | 30° | TP.1103      | M3-8.0-4.0-43   | T9           | 1.4                    | 0.11                  |
| SBS-316     | 120 | 16 | 30° | TP.1103      | M3-8.0-4.0-43   | T9           | 1.4                    | 0.24                  |
| SBS-319     | 140 | 19 | 30° | TP.1603      | M4-10-5.0-43    | T15          | 3.0                    | 0.40                  |
| SBS-325     | 150 | 25 | 30° | TP.1603      | M4-10-5.0-43    | T15          | 3.0                    | 0.74                  |
| SBS-408     | 55  | 8  | 45° | TP.0902      | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.04                  |
| SBS-410     | 65  | 10 | 45° | TP.0902      | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.06                  |
| SBS-413     | 80  | 13 | 45° | TP.1103      | M3-8.0-4.0-43   | T9           | 1.4                    | 0.11                  |
| SBS-416     | 120 | 16 | 45° | TP.1103      | M3-8.0-4.0-43   | T9           | 1.4                    | 0.26                  |
| SBS-419     | 140 | 19 | 45° | TP.1603      | M4-10-5.0-43    | T15          | 3.0                    | 0.41                  |
| SBS-425     | 150 | 25 | 45° | TP.1603      | M4-10-5.0-43    | T15          | 3.0                    | 0.74                  |
| SBS-908     | 55  | 8  | 90° | TP.0902      | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.04                  |
| SBS-910     | 65  | 10 | 90° | TP.0902      | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.06                  |
| SBS-913     | 80  | 13 | 90° | TP.1103      | M3-8.0-4.0-43   | T9           | 1.4                    | 0.11                  |
| SBS-916     | 120 | 16 | 90° | TP.1103      | M3-8.0-4.0-43   | T9           | 1.4                    | 0.25                  |
| SBS-919     | 140 | 19 | 90° | TP.1603      | M4-10-5.0-43    | T15          | 3.0                    | 0.41                  |
| SBS-925     | 150 | 25 | 90° | TP.1603      | M4-10-5.0-43    | T15          | 3.0                    | 0.75                  |

### 選配表 Option



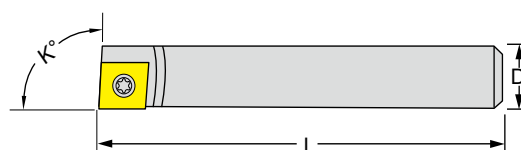


### 特點 Feature

- 適用於 BSA、BSB 粗搪刀桿
- CBS 適合重切削加工

- Applicable for BSA BSB rough boring cutter.
- CBS is suitable for heavy cutting processing.

| 規格<br>Spec. | D  | L   | K   | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|-------------|----|-----|-----|--------------|-----------------|--------------|------------------------|-----------------------|
| CBS-308     | 8  | 55  | 30° | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.04                  |
| CBS-310     | 10 | 65  | 30° | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.06                  |
| CBS-313     | 13 | 80  | 30° | CC..09T3     | M4-10-5.7-60    | T15          | 2.0                    | 0.12                  |
| CBS-316     | 16 | 120 | 30° | CC..09T3     | M4-10-5.7-60    | T15          | 2.0                    | 0.27                  |
| CBS-319     | 19 | 140 | 30° | CC..1204     | M5-11-7.5-60    | T20          | 3.0                    | 0.41                  |
| CBS-408     | 8  | 55  | 45° | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.04                  |
| CBS-410     | 10 | 65  | 45° | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.06                  |
| CBS-413     | 13 | 80  | 45° | CC..09T3     | M4-10-5.7-60    | T15          | 2.0                    | 0.12                  |
| CBS-416     | 16 | 120 | 45° | CC..09T3     | M4-10-5.7-60    | T15          | 2.0                    | 0.26                  |
| CBS-419     | 19 | 140 | 45° | CC..1204     | M5-11-7.5-60    | T20          | 3.0                    | 0.40                  |
| CBS-908     | 8  | 55  | 90° | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.04                  |
| CBS-910     | 10 | 65  | 90° | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.06                  |
| CBS-913     | 13 | 80  | 90° | CC..09T3     | M4-10-5.7-60    | T15          | 2.0                    | 0.14                  |
| CBS-916     | 16 | 120 | 90° | CC..09T3     | M4-10-5.7-60    | T15          | 2.0                    | 0.27                  |
| CBS-919     | 19 | 140 | 90° | CC..1204     | M5-11-7.5-60    | T20          | 3.0                    | 0.42                  |



### 特點 Feature

- 適用於 BSA、BSB 粗搪刀桿
- CBS 適合重切削加工

- Applicable for BSA BSB rough boring cutter.
- CBS is suitable for heavy cutting processing.

| 規格<br>Spec. | D  | L   | K   | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|-------------|----|-----|-----|--------------|-----------------|--------------|------------------------|-----------------------|
| CBS-908L    | 8  | 55  | 90° | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.04                  |
| CBS-910L    | 10 | 65  | 90° | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.06                  |
| CBS-913L    | 13 | 80  | 90° | CC..09T3     | M4-10-5.7-60    | T15          | 2.0                    | 0.12                  |
| CBS-916L    | 16 | 120 | 90° | CC..09T3     | M4-10-5.7-60    | T15          | 2.0                    | 0.27                  |
| CBS-919L    | 19 | 140 | 90° | CC..1204     | M5-11-7.5-60    | T20          | 3.0                    | 0.42                  |

※ 背搪專用 For reverse boring

### 選配表 Option

| 搪孔刀桿 Boring Bar                                                                     |
|-------------------------------------------------------------------------------------|
|  |
| B711-B712                                                                           |

· 長度單位 Unit of Length (mm)

# Feature

## RBH-LA特點

微調單位：每一刻度移動量1mm，直徑為  
Ø2mm，搪孔範圍Ø25~Ø2000mm。

連接壓板使刀頭與刀座一體，增加切削剛性。

CC及TC刀片座，供客戶選擇，獨特高低段差  
設計，平刃或高低刃均可採用。

排屑槽設計，增加深孔排屑功能。

Micro-adjustment unit: 1mm of each, diameter  
Ø2mm, boring range Ø25~Ø2000mm.

Clamp plate solidifies cartridges and head,  
upgrading cutting rigidity.

CC and TC insert seats are suitable for customers  
to choose, Patented step boring design;  
suitable for both level boring and step boring.

Completed with chip pocket,  
improving chip flow of deep boring.



### A-A / B-B刀片座

A-A / B-B Insert seat



### A-B / B-A刀片座

A-B / B-A Insert seat



A-A及B-B為平刃設計，刀片座為等高狀態，  
可用於一般搪孔加工A-B及B-A為高低刃設計  
，刀座獨特高低段差設計，可實現不等徑、不  
等高的搪孔加工。

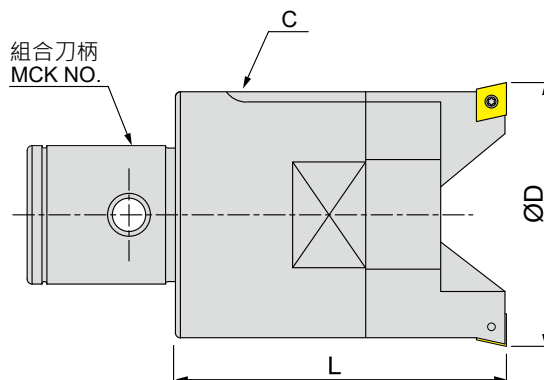
A-A and B-B flat blade design, the insert  
seat contours state, can be used for  
general Boring processing.

A-B and B-A for the high and low edge  
design, knife blocks unique level of  
segment Poor design can achieve unequal  
diameter, height Boring processing.

# Boring Head



搪孔範圍  
Ø 25~500  
Boring Range



### 特點 Feature

- 適用單刀搪孔，雙刀搪孔及高低階搪孔。搪孔範圍 Ø25~500mm
- 新型刀刀滑座設計，刀背補強。加工時，滑座承受的兩個作用力相互抵消，產生最大剛性和切削力。適合各形態的搪孔作業
- 可依照不同加工需求，輕易調整搪刀，作少量多樣的加工。加工深度可配合延長桿延伸至所需長度
- 最適合在各型切削中心機或搪床上配合使用，並可搭配各種廠牌相同規格的指定刀片，節省刀具研磨時間並大幅增加搪孔效率
- 專利高低段差設計，平刀或高低刀均可採用
- 直徑 Ø200 以上大孔徑搪刀，使用直接組件，結構簡單剛性強，調整範圍為直徑 100mm

- The head is suitable for single bit boring, twin-bit boring and step boring with working diameter from Ø25mm to Ø500mm on diameter.
- New blade slide design with reinforced back. The pressure imposed on both cartridges counteracts producing highest rigidity and cutting efficiency, most suitable for a variety of borings.
- Boring head can be easily adjusted to different boring needs for machining on demand. Boring depth can be extended by tool connection.
- Most suitable for boring on various machine centers or boring mills. Universal design accepts inserts of any brands, which will reduce tool grinding and greatly improve boring performance.
- Patented step boring design; suitable for both level boring and step boring.

| 規格<br>Spec.  | ØD 搪孔範圍<br>Boring Range |      | C  | L   | 組合刀柄<br>Mck No. | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|--------------|-------------------------|------|----|-----|-----------------|--------------|-----------------|--------------|------------------------|-----------------------|
|              | Min.                    | Max. |    |     |                 |              |                 |              |                        |                       |
| RBH25-33-C   | 25                      | 33   | 24 | 45  | CK2/MCK2        | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.23                  |
| RBH32-42-T   | 32                      | 42   | 31 | 55  | CK3/MCK3        | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.23                  |
| RBH32-42-C   | 32                      | 42   | 31 | 55  | CK3/MCK3        | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.23                  |
| RBH40-55-T   | 40                      | 55   | 39 | 65  | CK4/MCK4        | TC..16T3     | M4-10-5.0-43    | T15          | 3.0                    | 0.66                  |
| RBH40-55-C   | 40                      | 55   | 39 | 65  | CK4/MCK4        | CC..09T3     | M4-10-5.7-60    | T15          | 3.0                    | 0.66                  |
| RBH52-70-T   | 52                      | 70   | 50 | 75  | CK5/MCK5        | TC..16T3     | M4-10-5.0-43    | T15          | 3.0                    | 0.40                  |
| RBH52-70-C   | 52                      | 70   | 50 | 75  | CK5/MCK5        | CC..09T3     | M4-10-5.7-60    | T15          | 3.0                    | 0.40                  |
| RBH68-92-T   | 68                      | 92   | 64 | 85  | CK6/MCK6        | TC..16T3     | M4-10-5.0-43    | T15          | 3.0                    | 2.00                  |
| RBH68-92-C   | 68                      | 92   | 64 | 85  | CK6/MCK6        | CC..1204     | M5-11-7.0-55    | T20          | 5.0                    | 2.10                  |
| RBH90-122-T  | 90                      | 122  | 80 | 100 | CK6/MCK6        | TC..2204     | M5-11-7.0-55    | T20          | 5.0                    | 3.03                  |
| RBH90-122-C  | 90                      | 122  | 80 | 100 | CK6/MCK6        | CC..1204     | M5-11-7.0-55    | T20          | 5.0                    | 3.18                  |
| RBH200-300-T | 200                     | 300  | -  | 95  | BST             | TC..2204     | M5-11-7.0-55    | T20          | 5.0                    | 7.00                  |
| RBH200-300-C | 200                     | 300  | -  | 95  | BST             | CC..1204     | M5-11-7.0-55    | T20          | 5.0                    | 7.00                  |
| RBH300-400-T | 300                     | 400  | -  | 95  | BST             | TC..2204     | M5-11-7.0-55    | T20          | 5.0                    | 10.70                 |
| RBH300-400-C | 300                     | 400  | -  | 95  | BST             | CC..1204     | M5-11-7.0-55    | T20          | 5.0                    | 10.70                 |
| RBH400-500-T | 400                     | 500  | -  | 95  | BST             | TC..2204     | M5-11-7.0-55    | T20          | 5.0                    | 14.00                 |
| RBH400-500-C | 400                     | 500  | -  | 95  | BST             | CC..1204     | M5-11-7.0-55    | T20          | 5.0                    | 14.00                 |

### 選配表 Option

| 刀桿 Shank                                                                            |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| B698-B700                                                                           | B706                                                                                |

· 長度單位 Unit of Length (mm)



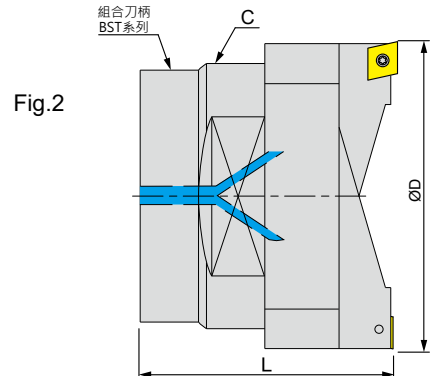
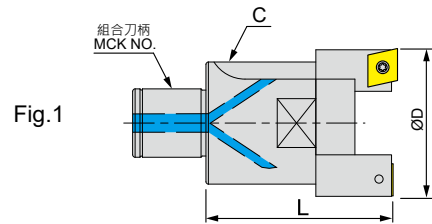


搪孔範圍  
ø 25~204  
Boring Range

### 特點 Feature

新型第二代 LA 搪孔頭增加如下功能：

- 刀片支持座厚度增加，剛性增強
- RBH-25LA~RBH-160LA 為內藏式水孔，直接冷卻，增加刀片的壽命
- 排屑槽設計，增加深孔排屑功能
- 連接壓板使刀頭與刀座一體，增加切削剛性
- 獨特高低段差設計，平刃或高低刃均可採用
- 調整範圍增大，增加穩定性



Following is the junior LA boring head new functions:

- Thickened cartridge with higher rigidity.
- RBH-25LA~RBH-160LA Coolant nozzle easily cools the insert elongating its working life.
- Flute design, improving chip discharge of deep boring.
- Clamp plate solidifies cartridges and head, upgrading cutting rigidity.
- Patented step boring design; suitable for both level boring and step boring.
- The extended of adjustment range, increased stability.

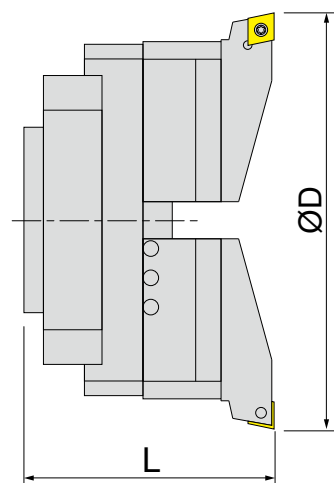
| 規格<br>Spec.     | øD 搪孔範圍<br>Boring Range |      | C   | L   | 組合刀柄<br>Mck No. | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | Fig | 重量<br>(KGS)<br>Weight |
|-----------------|-------------------------|------|-----|-----|-----------------|--------------|-----------------|--------------|------------------------|-----|-----------------------|
|                 | Min.                    | Max. |     |     |                 |              |                 |              |                        |     |                       |
| RBH-25-35LA-C   | 25                      | 35   | 24  | 50  | CK2/MCK2        | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 1   | 0.18                  |
| RBH-32-45LA-C   | 32                      | 45   | 31  | 60  | CK3/MCK3        | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 1   | 0.34                  |
| RBH-32-45LA-T   | 32                      | 45   | 31  | 60  | CK3/MCK3        | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 1   | 0.35                  |
| RBH-40-55LA-C   | 40                      | 55   | 39  | 74  | CK4/MCK4        | CC..09T3     | M4-10-5.7-60    | T15          | 3.0                    | 1   | 0.62                  |
| RBH-40-55LA-T   | 40                      | 55   | 39  | 74  | CK4/MCK4        | TC..16T3     | M4-10-5.0-43    | T15          | 3.0                    | 1   | 0.61                  |
| RBH-52-75LA-C   | 52                      | 75   | 50  | 80  | CK5/MCK5        | CC..09T3     | M4-10-5.7-60    | T15          | 3.0                    | 1   | 1.13                  |
| RBH-52-75LA-T   | 52                      | 75   | 50  | 80  | CK5/MCK5        | TC..16T3     | M4-10-5.0-43    | T15          | 3.0                    | 1   | 1.11                  |
| RBH-68-100LA-C  | 68                      | 100  | 66  | 90  | CK6/MCK6        | CC..1204     | M5-11-7.0-55    | T20          | 5.0                    | 1   | 2.20                  |
| RBH-68-100LA-T  | 68                      | 100  | 66  | 90  | CK6/MCK6        | TC..16T3     | M4-10-5.0-43    | T15          | 3.0                    | 1   | 2.21                  |
| RBH-90-130LA-C  | 90                      | 130  | 88  | 100 | CK6/MCK6        | CC..1204     | M5-11-7.0-55    | T20          | 5.0                    | 1   | 3.10                  |
| RBH-90-130LA-T  | 90                      | 130  | 88  | 100 | CK6/MCK6        | TC..16T3     | M4-10-5.0-43    | T15          | 3.0                    | 1   | 2.99                  |
| RBH-120-164LA-C | 120                     | 164  | 100 | 95  | BST             | CC..1204     | M5-11-7.0-55    | T20          | 5.0                    | 2   | 3.80                  |
| RBH-120-164LA-T | 120                     | 164  | 100 | 95  | BST             | TC..2204     | M5-11-7.0-55    | T20          | 5.0                    | 2   | 3.80                  |
| RBH-160-204LA-C | 160                     | 204  | 130 | 95  | BST             | CC..1204     | M5-11-7.0-55    | T20          | 5.0                    | 2   | 4.80                  |
| RBH-160-204LA-T | 160                     | 204  | 130 | 95  | BST             | TC..2204     | M5-11-7.0-55    | T20          | 5.0                    | 2   | 4.80                  |

### 選配表 Option

刀桿 Shank

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| B698-B700                                                                           | B706                                                                                |

· 長度單位 Unit of Length (mm)



搪孔範圍  
Ø 200~2000  
Boring Range

### 特點 Feature

- RBH600LA 以下加工調整範圍為直徑 110mm，RBH600LA~RBH900LA 調整範圍為 300mm，RBH1200LA 以上調整範圍為 400mm

- Processing adjustment range RBH600LA within 110mm diameter  
RBH600LA of ~ RBH900LA adjustment range is 300mm,  
above RBH1200LA adjustment range of 400mm.

| 規格<br>Spec. | ØD 搪孔範圍<br>Boring Range |      | L   | 組合型式 Combination type |                                                                                               |                                                                                                        |                                                                                                          |                                                                                                           |                                                                                                      |                       |                                                       |       |
|-------------|-------------------------|------|-----|-----------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------|-------|
|             | Min.                    | Max. |     | 組合刀柄<br>Mck No.       | <br>Flange | <br>Extension Slide | <br>Horizontal Slide | <br>Insert Seat Shim | <br>Insert Seat | 重量<br>(KGS)<br>Weight |                                                       |       |
| RBH200LA    | 200                     | 310  | 130 | BST                   | 合金鋼                                                                                           | BR200                                                                                                  | 合金鋼                                                                                                      | S-RST200                                                                                                  | RS200                                                                                                | RS201                 | RB200C12<br>RB200T16<br>RB200T22<br>RB200S12<br>(四選一) | 9.52  |
| RBH300LA    | 300                     | 410  |     |                       |                                                                                               |                                                                                                        |                                                                                                          | S-RST300                                                                                                  |                                                                                                      |                       |                                                       | 11.52 |
| RBH400LA    | 400                     | 510  |     |                       |                                                                                               |                                                                                                        |                                                                                                          | S-RST400                                                                                                  |                                                                                                      |                       |                                                       | 13.52 |
| RBH500LA    | 500                     | 610  |     |                       |                                                                                               |                                                                                                        |                                                                                                          | S-RST500                                                                                                  |                                                                                                      |                       |                                                       | 15.52 |
| RBH600LA    | 600                     | 900  | 150 | FMA<br>47.625         | 鋁合金                                                                                           | BR600                                                                                                  | 合金鋼                                                                                                      | S-RST300X2 只                                                                                              | RS200                                                                                                | RS201                 | RB200C12<br>RB200T16<br>RB200T22<br>RB200S12<br>(四選一) | 23.02 |
| RBH900LA    | 900                     | 1200 |     |                       |                                                                                               | BR900                                                                                                  |                                                                                                          | S-RST400X2 只                                                                                              |                                                                                                      |                       |                                                       | 31.72 |
| RBH1200LA   | 1200                    | 1600 |     |                       |                                                                                               | BR1200                                                                                                 |                                                                                                          | S-RST500X2 只                                                                                              |                                                                                                      |                       |                                                       | 46.62 |
| RBH1600LA   | 1600                    | 2000 |     |                       |                                                                                               | BR1600                                                                                                 |                                                                                                          |                                                                                                           |                                                                                                      |                       |                                                       | 51.82 |

### 配件表 Accessories

| 刀片座<br>Insert Seat | 刀片<br>Insert | 螺絲<br>Screw  | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|--------------------|--------------|--------------|--------------|------------------------|-----------------------|
| RB200C12           | CC..1204     | M5-11-7.0-55 | T20          | 5.0                    | 0.68                  |
| RB200T16           | TC..16T3     | M4-10-5.0-43 | T15          | 3.0                    | 0.68                  |
| RB200T22           | TC..2204     | M5-11-7.0-55 | T20          | 5.0                    | 0.68                  |
| RB200S12           | SC..1204     | M5           | T20          | 5.0                    | 0.68                  |

### 選配表 Option



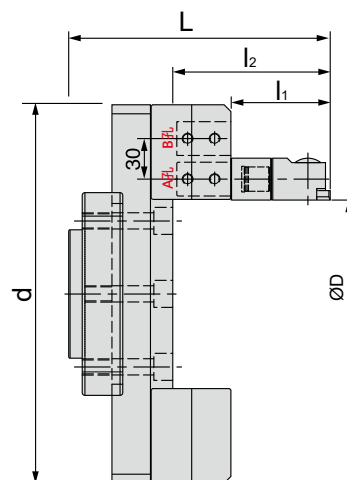
B706

· 長度單位 Unit of Length (mm)

| 規格<br>Spec.                                                                                                                                                                | Mck No.          | 工件材質<br>Material | 刀片<br>Insert     |               | 切削速度<br>(m/min) | 切削量 Cutting<br>Parameters(mm/Ø) |      | 進給量 Feed<br>Rate(mm/rev) |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------|---------------|-----------------|---------------------------------|------|--------------------------|------|
|                                                                                                                                                                            |                  |                  | 刀片 R 角<br>Radius | 刀片材質<br>Grade |                 | 推薦值<br>Rec                      | Max. | 推薦值<br>Rec               | Max. |
| RBH-25-35LA-C                                                                                                                                                              | MCK2<br>CK2      | 碳鋼、合金鋼           | 0.4/0.8          | RM4035        | 140             | 2.5                             | 3.5  | 0.25                     | 0.35 |
|                                                                                                                                                                            |                  | 不鏽鋼              |                  | OM4010        | 140             | 2.0                             | 3.0  | 0.25                     | 0.35 |
|                                                                                                                                                                            |                  | 鑄鐵               |                  | RM315         | 120             | 2.5                             | 3.5  | 0.30                     | 0.35 |
|                                                                                                                                                                            |                  | 鋁合金              |                  | RM5005        | 160             | 3.5                             | 4.5  | 0.35                     | 0.40 |
| RBH-32-45LA-C<br>RBH-32-45LA-T                                                                                                                                             | MCK3<br>CK3      | 碳鋼、合金鋼           | 0.4/0.8          | RM4035        | 140             | 4.5                             | 5.5  | 0.25                     | 0.45 |
|                                                                                                                                                                            |                  | 不鏽鋼              |                  | OM4010        | 140             | 4.0                             | 5.5  | 0.35                     | 0.45 |
|                                                                                                                                                                            |                  | 鑄鐵               |                  | RM315         | 120             | 4.5                             | 5.5  | 0.40                     | 0.45 |
|                                                                                                                                                                            |                  | 鋁合金              |                  | RM5005        | 160             | 6.0                             | 8.0  | 0.45                     | 0.50 |
| RBH-40-55LA-C<br>RBH-40-55LA-T                                                                                                                                             | MCK4<br>CK4      | 碳鋼、合金鋼           | 0.4/0.8          | RM4035        | 140             | 6.0                             | 8.0  | 0.30                     | 0.50 |
|                                                                                                                                                                            |                  | 不鏽鋼              |                  | OM4010        | 140             | 6.0                             | 8.0  | 0.40                     | 0.45 |
|                                                                                                                                                                            |                  | 鑄鐵               |                  | RM315         | 120             | 6.0                             | 8.0  | 0.45                     | 0.50 |
|                                                                                                                                                                            |                  | 鋁合金              |                  | RM5005        | 160             | 8.0                             | 10.0 | 0.45                     | 0.55 |
| RBH-52-75LA-C<br>RBH-52-75LA-T<br>RBH-68-100LA-C<br>RBH-68-100LA-T<br>RBH-90-130LA-C<br>RBH-90-130LA-T                                                                     | MCK5<br>CK5      | 碳鋼、合金鋼           | 0.4/0.8          | RM4035        | 140             | 6.0                             | 8.0  | 0.30                     | 0.50 |
|                                                                                                                                                                            |                  | 不鏽鋼              |                  | OM4010        | 140             | 6.0                             | 8.0  | 0.40                     | 0.45 |
|                                                                                                                                                                            |                  | 鑄鐵               |                  | RM315         | 120             | 6.0                             | 8.0  | 0.45                     | 0.50 |
|                                                                                                                                                                            |                  | 鋁合金              |                  | RM5005        | 160             | 8.0                             | 10.0 | 0.45                     | 0.55 |
|                                                                                                                                                                            | MCK6<br>CK6      | 碳鋼、合金鋼           | 0.4/0.8          | RM4035        | 140             | 6.0                             | 8.0  | 0.35                     | 0.50 |
|                                                                                                                                                                            |                  | 不鏽鋼              |                  | OM4010        | 140             | 6.0                             | 8.0  | 0.40                     | 0.45 |
|                                                                                                                                                                            |                  | 鑄鐵               |                  | RM315         | 120             | 6.0                             | 8.0  | 0.45                     | 0.50 |
|                                                                                                                                                                            |                  | 鋁合金              |                  | RM5005        | 160             | 8.0                             | 10.0 | 0.45                     | 0.55 |
| RBH-120-164LA-C<br>RBH-120-164LA-T<br>RBH-160-204LA-C<br>RBH-160-204LA-T<br>RBH200LA<br>RBH300LA<br>RBH400LA<br>RBH500LA<br>RBH600LA<br>RBH900LA<br>RBH1200LA<br>RBH1600LA | BST<br>FMA47.625 | 碳鋼、合金鋼           | 0.4/0.8          | RM4035        | 140             | 6.0                             | 8.0  | 0.35                     | 0.50 |
|                                                                                                                                                                            |                  | 不鏽鋼              |                  | OM4010        | 140             | 6.0                             | 8.0  | 0.40                     | 0.45 |
|                                                                                                                                                                            |                  | 鑄鐵               |                  | RM315         | 120             | 6.0                             | 8.0  | 0.45                     | 0.50 |
|                                                                                                                                                                            |                  | 鋁合金              |                  | RM5005        | 160             | 8.0                             | 10.0 | 0.45                     | 0.55 |

- 本表是切削數據的設定基準，請視當時的機床、工件材質、鐵屑的排出情況做適當的調整。

- The cutting data table is set benchmarks, please make the appropriate adjustments depend on the situation which machine tools, workpiece materials, iron chips discharge.



搪孔範圍  
Ø 10-850  
Boring Range

| 規格<br>Spec. | ØD 搪孔範圍 Boring Range |      |            |      | L       | l <sub>1</sub> | l <sub>2</sub> | d   | 重量<br>(KGS)<br>Weight |
|-------------|----------------------|------|------------|------|---------|----------------|----------------|-----|-----------------------|
|             | A 孔 A Hole           |      | B 孔 B Hole |      |         |                |                |     |                       |
|             | Min.                 | Max. | Min.       | Max. |         |                |                |     |                       |
| CBR200      | 10                   | 90   | 70         | 150  | 190/220 | 70/100         | 115/145        | 180 | 9.70                  |
| CBR300      | 10                   | 190  | 70         | 250  | 190/220 | 70/100         | 115/145        | 280 | 11.7                  |
| CBR400      | 10                   | 290  | 70         | 350  | 190/220 | 70/100         | 115/145        | 380 | 13.7                  |
| CBR500      | 10                   | 390  | 70         | 450  | 190/220 | 70/100         | 115/145        | 480 | 15.7                  |
| CBR600      | 200                  | 490  | 400        | 850  | 210/240 | 70/100         | 115/145        | 580 | 19.6                  |
| CBR900      | 200                  | 790  | 500        | 1150 | 210/240 | 70/100         | 115/145        | 880 | 30.8                  |

| 規格<br>Spec. | 組合型式 Combination Type |                                                                                                      |                   |                                                                                                                |                         |                                                                                                              |                                                                                                             |                                                             |                                   |
|-------------|-----------------------|------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------|
|             | 組合刀柄<br>Mck No.       | 連接盤<br><br>Flange |                   | 橫向滑板<br><br>Extension Slide |                         | 平衡滑塊<br><br>Balance Slide | 外圓滑塊<br><br>Clamp Base | 外圓用接桿<br>Adapter For<br>External Boring                     | 組合搪頭<br>Applicable<br>Boring Head |
| CBR200      | BST                   | 合金鋼                                                                                                  | BR200<br>(2.7KG)  | 鋁合金                                                                                                            | A-RST200<br>(1.1KG)     | RBN200<br>(1.6KG)                                                                                            | HBR200<br>(1.3KG)                                                                                           | C25-SCK3-30<br>(0.3KG)<br>C25-SCK3-60<br>(0.5KG)<br>( 二選一 ) | CBH32                             |
| CBR300      | BST                   |                                                                                                      |                   |                                                                                                                | A-RST300<br>(1.9KG)     |                                                                                                              |                                                                                                             |                                                             |                                   |
| CBR400      | BST                   |                                                                                                      |                   |                                                                                                                | A-RST400<br>(2.7KG)     |                                                                                                              |                                                                                                             |                                                             |                                   |
| CBR500      | BST                   |                                                                                                      |                   |                                                                                                                | A-RST500<br>(3.5KG)     |                                                                                                              |                                                                                                             |                                                             |                                   |
| CBR600      | FMA<br>47.625         | 鋁合金                                                                                                  | BR600<br>(8.8KG)  |                                                                                                                | A-RST300X2 只<br>(3.8KG) |                                                                                                              |                                                                                                             |                                                             |                                   |
| CBR900      | FMA<br>47.625         |                                                                                                      | BR900<br>(13.5KG) |                                                                                                                | A-RST400X2 只<br>(5.4KG) |                                                                                                              |                                                                                                             |                                                             |                                   |

※ 在主軸逆轉下使用 Spindle reversal using.

### 選配表 Option

刀桿 Shank



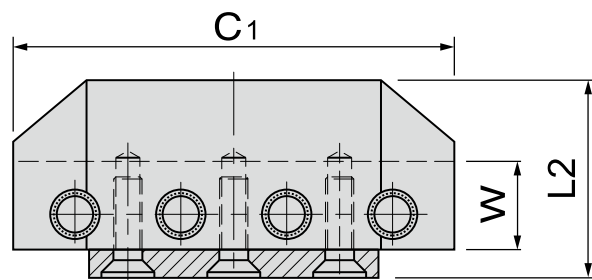
B706

· 長度單位 Unit of Length (mm)

## WBST 四方柄徑搪孔刀架

### WBST SQUARE BORING TOOL REST

LEMMA



搪孔範圍  
ø 150~500  
Boring Range

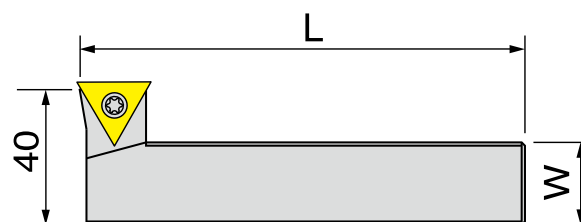
| 規格<br>Spec. | øD 搪孔範圍 Boring Range |      | 組合刀柄<br>No. | L <sub>2</sub> | C <sub>1</sub> | W  | 重量<br>(KGS)<br>Weight |
|-------------|----------------------|------|-------------|----------------|----------------|----|-----------------------|
|             | Min.                 | Max. |             |                |                |    |                       |
| A-WBST150   | 150                  | 250  | BST         | 55             | 125            | 25 | 1.03                  |
| S-WBST150   | 150                  | 250  | BST         | 55             | 125            | 25 | 2.50                  |
| A-WBST200   | 200                  | 300  | BST         | 55             | 175            | 25 | 1.50                  |
| S-WBST200   | 200                  | 300  | BST         | 55             | 175            | 25 | 3.60                  |
| A-WBST300   | 300                  | 400  | BST         | 55             | 275            | 25 | 2.34                  |
| S-WBST300   | 300                  | 400  | BST         | 55             | 275            | 25 | 6.00                  |
| A-WBST400   | 400                  | 500  | BST         | 55             | 375            | 25 | 3.17                  |
| S-WBST400   | 400                  | 500  | BST         | 55             | 375            | 25 | 8.30                  |

※ 規格 A- 材質為鋁合金，規格 S- 為合金鋼 Spec. A-made of aluminum alloy, Spec. S- steels alloy.

## WBST 刀盤專用四方柄搪刀

### WBST SQUARE SHANK BORING TOOL HOLDER

LEMMA



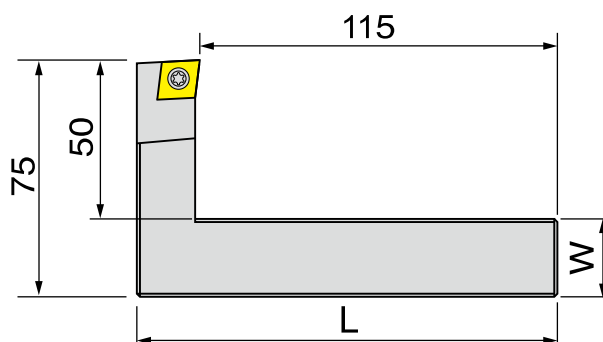
| 規格<br>Spec.   | L   | W  | 使用刀片<br>Insert | 螺絲<br>Screw  | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|---------------|-----|----|----------------|--------------|--------------|------------------------|-----------------------|
| BSB25-T16-135 | 135 | 25 | TC..16T3       | M4-10-5.0-43 | T15          | 3.0                    | 0.67                  |
| BSB25-T22-135 | 135 | 25 | TC..2204       | M5-11-7.0-55 | T20          | 5.0                    | 0.67                  |
| BSB25-C12-135 | 135 | 25 | CC..1204       | M5-11-7.0-55 | T20          | 5.0                    | 0.67                  |
| BSB25-S12-135 | 135 | 25 | SC..1204       | M5-11-7.0-55 | T20          | 5.0                    | 0.67                  |

· 長度單位 Unit of Length (mm)

## WBST 刀盤專用四方柄外圓搪刀

### WBST SQUARE SHANK EXTERNAL BORING TOOL HOLDER

LEMMA

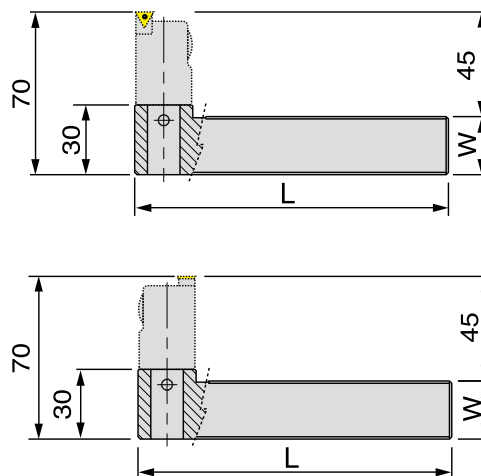


| 規格<br>Spec.       | L   | W  | 有效加工深度<br>Valid Depth | 使用刀片<br>Insert | 螺絲<br>Screw  | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|-------------------|-----|----|-----------------------|----------------|--------------|--------------|------------------------|-----------------------|
| EBSB25-T16-135-50 | 135 | 25 | 40                    | TC..16T3       | M4-10-5.0-43 | T15          | 3.0                    | 0.8                   |
| EBSB25-C12-135-50 | 135 | 25 | 40                    | CC..1204       | M5-11-7.0-55 | T20          | 5.0                    | 0.8                   |

## WBST 刀盤專用四方柄內外圓精搪孔刀架

### WBST SQUARE INTERNAL & EXTERNAL BORING TOOL HOLDER

LEMMA



| 規格<br>Spec.    | L   | W  | 加工深度<br>Cutting<br>Depth | 搪頭<br>Boring Head | 刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|----------------|-----|----|--------------------------|-------------------|--------------|---------------|--------------|------------------------|-----------------------|
| BSB25-SCK2-135 | 135 | 25 | 36                       | CBH25             | TP..0802     | M2-5.0-3.1-60 | T6           | 0.6                    | 0.63                  |

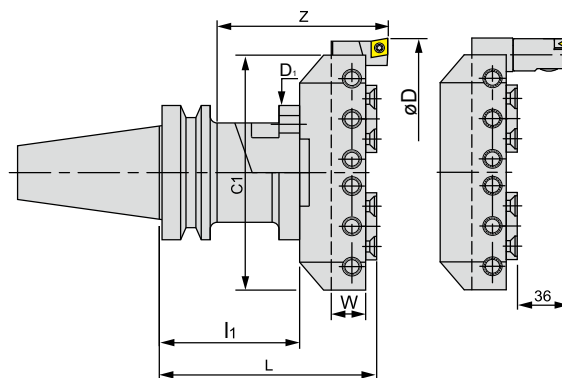
※ 此規格不含搪刀頭 Boring head is not included.



# WBST 四方柄大徑搪刀 + BST 刀桿

## WBST SQUARE LARGE BORING CUTTER+BST SHANK

LEMMA



|                                   |                          |                          |
|-----------------------------------|--------------------------|--------------------------|
| 搪孔範圍<br>ø 150~510<br>Boring Range | 精度<br>0.01mm<br>Accuracy | 最高轉速<br>8000<br>Max. rpm |
|-----------------------------------|--------------------------|--------------------------|

### WBST 四方柄搪孔刀架 +BST 刀桿 +BSB25 四方柄搪刀

| 規格<br>Spec.      | øD 搪孔範圍 Boring Range |      | Z   | 組合內容 Tool Connection |                           | 組合刀柄<br>No. | L   | l <sub>1</sub> | D <sub>1</sub> | 重量<br>(KGS)<br>Weight |
|------------------|----------------------|------|-----|----------------------|---------------------------|-------------|-----|----------------|----------------|-----------------------|
|                  | Min.                 | Max. |     | BST 刀桿<br>BST Shank  | WBST 刀桿<br>WBST Tool Rest |             |     |                |                |                       |
| BT40-WBST150-125 | 150                  | 260  | 90  | BT40-BST-70          | WBST150                   | BST         | 150 | 70             | 95             | 5.70                  |
| BT40-WBST200-125 | 200                  | 310  | 90  | BT40-BST-70          | WBST200                   | BST         | 150 | 70             | 95             | 6.80                  |
| BT50-WBST150-155 | 150                  | 260  | 110 | BT50-BST-100         | WBST150                   | BST         | 155 | 100            | 95             | 7.60                  |
| BT50-WBST150-205 | 150                  | 260  | 160 | BT50-BST-150         | WBST150                   | BST         | 205 | 150            | 95             | 9.30                  |
| BT50-WBST150-255 | 150                  | 260  | 210 | BT50-BST-200         | WBST150                   | BST         | 255 | 200            | 95             | 12.1                  |
| BT50-WBST150-305 | 150                  | 260  | 260 | BT50-BST-250         | WBST150                   | BST         | 305 | 250            | 95             | 14.0                  |
| BT50-WBST150-355 | 150                  | 260  | 310 | BT50-BST-300         | WBST150                   | BST         | 355 | 300            | 95             | 16.0                  |
| BT50-WBST150-405 | 150                  | 260  | 360 | BT50-BST-350         | WBST150                   | BST         | 405 | 350            | 95             | 18.6                  |
| BT50-WBST150-455 | 150                  | 260  | 410 | BT50-BST-400         | WBST150                   | BST         | 455 | 400            | 95             | 21.8                  |
| BT50-WBST200-155 | 200                  | 310  | 110 | BT50-BST-100         | WBST200                   | BST         | 155 | 100            | 95             | 8.70                  |
| BT50-WBST200-205 | 200                  | 310  | 160 | BT50-BST-150         | WBST200                   | BST         | 205 | 150            | 95             | 10.4                  |
| BT50-WBST200-255 | 200                  | 310  | 210 | BT50-BST-200         | WBST200                   | BST         | 255 | 200            | 95             | 13.2                  |
| BT50-WBST200-305 | 200                  | 310  | 260 | BT50-BST-250         | WBST200                   | BST         | 305 | 250            | 95             | 15.1                  |
| BT50-WBST200-355 | 200                  | 310  | 310 | BT50-BST-300         | WBST200                   | BST         | 355 | 300            | 95             | 17.1                  |
| BT50-WBST200-405 | 200                  | 310  | 360 | BT50-BST-350         | WBST200                   | BST         | 405 | 350            | 95             | 19.7                  |
| BT50-WBST200-455 | 200                  | 310  | 410 | BT50-BST-400         | WBST200                   | BST         | 455 | 400            | 95             | 22.9                  |
| BT50-WBST300-155 | 300                  | 410  | 110 | BT50-BST-100         | WBST300                   | BST         | 155 | 100            | 95             | 11.1                  |
| BT50-WBST300-205 | 300                  | 410  | 160 | BT50-BST-150         | WBST300                   | BST         | 205 | 150            | 95             | 12.8                  |
| BT50-WBST300-255 | 300                  | 410  | 210 | BT50-BST-200         | WBST300                   | BST         | 255 | 200            | 95             | 15.6                  |
| BT50-WBST300-305 | 300                  | 410  | 260 | BT50-BST-250         | WBST300                   | BST         | 305 | 250            | 95             | 17.5                  |
| BT50-WBST300-355 | 300                  | 410  | 310 | BT50-BST-300         | WBST300                   | BST         | 355 | 300            | 95             | 19.5                  |
| BT50-WBST300-405 | 300                  | 410  | 360 | BT50-BST-350         | WBST300                   | BST         | 405 | 350            | 95             | 22.1                  |
| BT50-WBST300-455 | 300                  | 410  | 410 | BT50-BST-400         | WBST300                   | BST         | 455 | 400            | 95             | 25.3                  |
| BT50-WBST400-155 | 400                  | 510  | 110 | BT50-BST-100         | WBST400                   | BST         | 155 | 100            | 95             | 13.4                  |
| BT50-WBST400-205 | 400                  | 510  | 160 | BT50-BST-150         | WBST400                   | BST         | 205 | 150            | 95             | 15.1                  |
| BT50-WBST400-255 | 400                  | 510  | 210 | BT50-BST-200         | WBST400                   | BST         | 255 | 200            | 95             | 17.9                  |
| BT50-WBST400-305 | 400                  | 510  | 260 | BT50-BST-250         | WBST400                   | BST         | 305 | 250            | 95             | 19.8                  |
| BT50-WBST400-355 | 400                  | 510  | 310 | BT50-BST-300         | WBST400                   | BST         | 355 | 300            | 95             | 21.8                  |
| BT50-WBST400-405 | 400                  | 510  | 360 | BT50-BST-350         | WBST400                   | BST         | 405 | 350            | 95             | 24.4                  |
| BT50-WBST400-455 | 400                  | 510  | 410 | BT50-BST-400         | WBST400                   | BST         | 455 | 400            | 95             | 27.6                  |

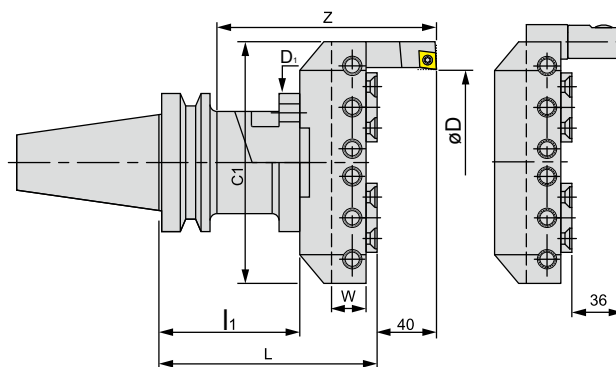
※ 此規格不含 BSB25 四方柄搪刀 This specification is not included BSB25 Quartet Shank Boring Tool.

· 長度單位 Unit of Length (mm)

# WBST 四方柄大徑搪刀 + BST 刀桿外圓加工用

## WBST SQUARE LARGE BORING CUTTER+BST SHANK

LEMMA



搪孔範圍  
ø 80-450  
Boring Range

### WBST 四方柄搪孔刀架 +BST 刀桿 +BSB25 四方柄外圓搪刀

| 規格<br>Spec.      | øD 搪孔範圍 Boring Range |      | Z   | 加工深度<br>depth | 組合內容 Tool Connection |                           | 組合刀柄<br>No. | L   | l <sub>1</sub> | D <sub>1</sub> | 重量<br>(KGS)<br>Weight |
|------------------|----------------------|------|-----|---------------|----------------------|---------------------------|-------------|-----|----------------|----------------|-----------------------|
|                  | Min.                 | Max. |     |               | BST 刀桿<br>BST Shank  | WBST 刀桿<br>WBST Tool Rest |             |     |                |                |                       |
| BT40-WBST150-125 | 80                   | 200  | 90  | 36            | BT40-BST-70          | WBST150                   | BST         | 150 | 70             | 95             | 5.7                   |
| BT40-WBST200-125 | 130                  | 250  | 90  | 36            | BT40-BST-70          | WBST200                   | BST         | 150 | 70             | 95             | 6.8                   |
| BT50-WBST150-155 | 80                   | 200  | 110 | 36            | BT50-BST-100         | WBST150                   | BST         | 155 | 100            | 95             | 7.6                   |
| BT50-WBST150-205 | 80                   | 200  | 160 | 36            | BT50-BST-150         | WBST150                   | BST         | 205 | 150            | 95             | 9.3                   |
| BT50-WBST150-255 | 80                   | 200  | 210 | 36            | BT50-BST-200         | WBST150                   | BST         | 255 | 200            | 95             | 12.1                  |
| BT50-WBST150-305 | 80                   | 200  | 260 | 36            | BT50-BST-250         | WBST150                   | BST         | 305 | 250            | 95             | 14                    |
| BT50-WBST150-355 | 80                   | 200  | 310 | 36            | BT50-BST-300         | WBST150                   | BST         | 355 | 300            | 95             | 16                    |
| BT50-WBST150-405 | 80                   | 200  | 360 | 36            | BT50-BST-350         | WBST150                   | BST         | 405 | 350            | 95             | 18.6                  |
| BT50-WBST150-455 | 80                   | 200  | 410 | 36            | BT50-BST-400         | WBST150                   | BST         | 455 | 400            | 95             | 21.8                  |
| BT50-WBST200-155 | 130                  | 250  | 110 | 36            | BT50-BST-100         | WBST200                   | BST         | 155 | 100            | 95             | 8.7                   |
| BT50-WBST200-205 | 130                  | 250  | 160 | 36            | BT50-BST-150         | WBST200                   | BST         | 205 | 150            | 95             | 10.4                  |
| BT50-WBST200-255 | 130                  | 250  | 210 | 36            | BT50-BST-200         | WBST200                   | BST         | 255 | 200            | 95             | 13.2                  |
| BT50-WBST200-305 | 130                  | 250  | 260 | 36            | BT50-BST-250         | WBST200                   | BST         | 305 | 250            | 95             | 15.1                  |
| BT50-WBST200-355 | 130                  | 250  | 310 | 36            | BT50-BST-300         | WBST200                   | BST         | 355 | 300            | 95             | 17.1                  |
| BT50-WBST200-405 | 130                  | 250  | 360 | 36            | BT50-BST-350         | WBST200                   | BST         | 405 | 350            | 95             | 19.7                  |
| BT50-WBST200-455 | 130                  | 250  | 410 | 36            | BT50-BST-400         | WBST200                   | BST         | 455 | 400            | 95             | 22.9                  |
| BT50-WBST300-155 | 230                  | 350  | 110 | 36            | BT50-BST-100         | WBST300                   | BST         | 155 | 100            | 95             | 11.1                  |
| BT50-WBST300-205 | 230                  | 350  | 160 | 36            | BT50-BST-150         | WBST300                   | BST         | 205 | 150            | 95             | 12.8                  |
| BT50-WBST300-255 | 230                  | 350  | 210 | 36            | BT50-BST-200         | WBST300                   | BST         | 255 | 200            | 95             | 15.6                  |
| BT50-WBST300-305 | 230                  | 350  | 260 | 36            | BT50-BST-250         | WBST300                   | BST         | 305 | 250            | 95             | 17.5                  |
| BT50-WBST300-355 | 230                  | 350  | 310 | 36            | BT50-BST-300         | WBST300                   | BST         | 355 | 300            | 95             | 19.5                  |
| BT50-WBST300-405 | 230                  | 350  | 360 | 36            | BT50-BST-350         | WBST300                   | BST         | 405 | 350            | 95             | 22.1                  |
| BT50-WBST300-455 | 230                  | 350  | 410 | 36            | BT50-BST-400         | WBST300                   | BST         | 455 | 400            | 95             | 25.3                  |
| BT50-WBST400-155 | 330                  | 450  | 110 | 36            | BT50-BST-100         | WBST400                   | BST         | 155 | 100            | 95             | 13.4                  |
| BT50-WBST400-205 | 330                  | 450  | 160 | 36            | BT50-BST-150         | WBST400                   | BST         | 205 | 150            | 95             | 15.1                  |
| BT50-WBST400-255 | 330                  | 450  | 210 | 36            | BT50-BST-200         | WBST400                   | BST         | 255 | 200            | 95             | 17.9                  |
| BT50-WBST400-305 | 330                  | 450  | 260 | 36            | BT50-BST-250         | WBST400                   | BST         | 305 | 250            | 95             | 19.8                  |
| BT50-WBST400-355 | 330                  | 450  | 310 | 36            | BT50-BST-300         | WBST400                   | BST         | 355 | 300            | 95             | 21.8                  |
| BT50-WBST400-405 | 330                  | 450  | 360 | 36            | BT50-BST-350         | WBST400                   | BST         | 405 | 350            | 95             | 24.4                  |
| BT50-WBST400-455 | 330                  | 450  | 410 | 36            | BT50-BST-400         | WBST400                   | BST         | 455 | 400            | 95             | 27.6                  |

※ 此規格不含 BSB25 四方柄搪刀 Not included BSB25 Square Shank External Boring Tool holder.

※ 拆掉護蓋，有效深可達到 45，最小搪孔範圍可達到 Ø10. Applicable Boring Depth up to 45mm with Minimum Boring Range down to Ø10mm after taking off the Shield.

· 長度單位 Unit of Length (mm)

BORING

# Feature

## CBH特點

### Features of CBH

微調單位：圓周50等分，每格調整尺寸為直徑0.01mm，另有副尺可作更精細之調整，搪孔範圍 $\varnothing 20 \sim \varnothing 202$ 均可搭配選用。

搭配T型刀片離隙角為 $3^\circ$ 。

刀座心軸採用方型結構，雙支撐面固定，所以切削穩定且剛性大。

Micro-adjustments with fifty 0.01mm in diameter. Includes a sub-dial for finer adjustments ranging from  $\varnothing 20\text{mm} \sim \varnothing 202\text{mm}$ .

T-type insert has a clearance angle of  $3^\circ$ .

The insert seat spindle use square structure with two face support, proving high stability and rigidity on diameter.

## CBH大孔徑

### CBH Large Bore Diameter

橫向滑板，搪孔範圍 $\varnothing 200 \sim \varnothing 2000$ 均可搭配選用，材質採用鋁合金製，可減少重量。

平衡滑塊，減少搪孔時的不平衡量。

刀座心軸採用方型結構，雙支撐面固定，所以切削穩定且剛性大。

微調滑塊，每格調整尺寸為直徑0.01mm。

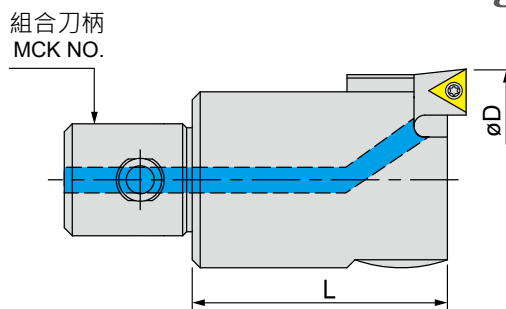
Horizontal boring ranges from  $\varnothing 200\text{mm} \sim \varnothing 2000\text{mm}$  in diameter and is made with light-weight aluminum alloy.

Sliding counter-weight for long term precision.

0.01mm diameter Micro-adjustable sliding block.



# Boring Head



搪孔範圍  
ø 20-202  
Boring Range

精度  
0.01mm  
Accuracy

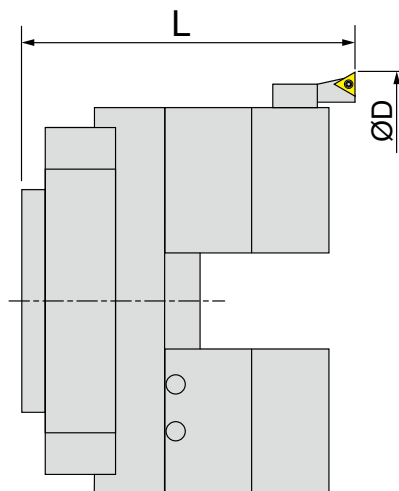
最高轉速  
6000  
Max. rpm

| 規格<br>Spec.  | øD 搪孔範圍 Boring<br>Range |      | 組合刀柄<br>Mck No. | L  | 刀片座<br>Insert Seat | 使用刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|--------------|-------------------------|------|-----------------|----|--------------------|----------------|-----------------|--------------|------------------------|-----------------------|
|              | Min.                    | Max. |                 |    |                    |                |                 |              |                        |                       |
| CBH20-TB06   | 20                      | 26   | MCK1            | 35 | -                  | TB..0601       | M2-5.0-2.7-60   | T6           | 0.6                    | 0.19                  |
| CBH25-TB06   | 25                      | 33   | MCK2            | 40 | -                  | TB..0601       | M2-5.0-2.7-60   | T6           | 0.6                    | 0.20                  |
| CBH32-TB06   | 32                      | 42   | MCK3            | 40 | CBH32-TB06-S       | TB..0601       | M2-5.0-2.7-60   | T6           | 0.6                    | 0.28                  |
| CBH40-TB06   | 40                      | 55   | MCK4            | 50 | CBH40-TB06-S       | TB..0601       | M2-5.0-2.7-60   | T6           | 0.6                    | 0.59                  |
| CBH20-TP08   | 20                      | 26   | MCK1            | 35 | -                  | TP..0802       | M2-5.0-3.1-60   | T6           | 0.6                    | 0.19                  |
| CBH25-TP08   | 25                      | 33   | MCK2            | 40 | -                  | TP..0802       | M2-5.0-3.1-60   | T6           | 0.6                    | 0.26                  |
| CBH32-TP08   | 32                      | 42   | MCK3            | 40 | CBH32-TP08-S       | TP..0802       | M2-5.0-3.1-60   | T6           | 0.6                    | 0.37                  |
| CBH40-TP08   | 40                      | 55   | MCK4            | 50 | CBH40-TP08-S       | TP..0802       | M2-5.0-3.1-60   | T6           | 0.6                    | 0.52                  |
| CBH20-TC09   | 20                      | 26   | MCK1            | 35 | -                  | TC..0902       | M2-5.0-3.1-60   | T6           | 0.6                    | 0.19                  |
| CBH25-TC09   | 25                      | 33   | MCK2            | 40 | -                  | TC..0902       | M2-5.0-3.1-60   | T6           | 0.6                    | 0.20                  |
| CBH32-TC09   | 32                      | 42   | MCK3            | 40 | CBH32-TC09-S       | TC..0902       | M2-5.0-3.1-60   | T6           | 0.6                    | 0.37                  |
| CBH40-TC09   | 40                      | 55   | MCK4            | 50 | CBH40-TC09-S       | TC..0902       | M2-5.0-3.1-60   | T6           | 0.6                    | 0.50                  |
| CBH20-TP09   | 20                      | 26   | MCK1            | 35 | -                  | TP..0902       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.10                  |
| CBH25-TP09   | 25                      | 33   | MCK2            | 40 | -                  | TP..0902       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.20                  |
| CBH32-TP09   | 32                      | 42   | MCK3            | 40 | CBH32-TP09-S       | TP..0902       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.30                  |
| CBH40-TP09   | 40                      | 55   | MCK4            | 50 | CBH40-TP09-S       | TP..0902       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.50                  |
| CBH52-TP08   | 52                      | 75   | MCK5            | 60 | CBH52-TP08-S       | TP..0802       | M2-5.0-3.1-60   | T6           | 0.6                    | 1.02                  |
| CBH68-TP08   | 68                      | 102  | MCK6            | 72 | CBH68-TP08-S       | TP..0802       | M2-5.0-3.1-60   | T6           | 0.6                    | 2.02                  |
| CBH100-TP08  | 100                     | 152  | MCK6            | 72 | CBH68-TP08-S       | TP..0802       | M2-5.0-3.1-60   | T6           | 0.6                    | 2.90                  |
| CBH100B-TP08 | 100                     | 152  | BST             | 95 | CBH68-TP08-S       | TP..0802       | M2-5.0-3.1-60   | T6           | 0.6                    | 3.70                  |
| CBH150-TP08  | 150                     | 202  | MCK6            | 72 | CBH68-TP08-S       | TP..0802       | M2-5.0-3.1-60   | T6           | 0.6                    | 4.43                  |
| CBH150B-TP08 | 150                     | 202  | BST             | 95 | CBH68-TP08-S       | TP..0802       | M2-5.0-3.1-60   | T6           | 0.6                    | 4.90                  |
| CBH52-TP09   | 52                      | 75   | MCK5            | 60 | CBH52-TP09-S       | TP..0902       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 1.00                  |
| CBH68-TP09   | 68                      | 102  | MCK6            | 72 | CBH68-TP09-S       | TP..0902       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2.00                  |
| CBH100-TP09  | 100                     | 152  | MCK6            | 72 | CBH68-TP09-S       | TP..0902       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 3.16                  |
| CBH100B-TP09 | 100                     | 152  | BST             | 95 | CBH68-TP09-S       | TP..0902       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 3.70                  |
| CBH150-TP09  | 150                     | 202  | MCK6            | 72 | CBH68-TP09-S       | TP..0902       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 4.20                  |
| CBH150B-TP09 | 150                     | 202  | BST             | 95 | CBH68-TP09-S       | TP..0902       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 4.90                  |
| CBH52-TC11   | 52                      | 75   | MCK5            | 60 | CBH52-TC11-S       | TC..1102       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 1.00                  |
| CBH68-TC11   | 68                      | 102  | MCK6            | 72 | CBH68-TC11-S       | TC..1102       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2.00                  |
| CBH100-TC11  | 100                     | 152  | MCK6            | 72 | CBH68-TC11-S       | TC..1102       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2.90                  |
| CBH100B-TC11 | 100                     | 152  | BST             | 95 | CBH68-TC11-S       | TC..1102       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 3.70                  |
| CBH150-TC11  | 150                     | 202  | MCK6            | 72 | CBH68-TC11-S       | TC..1102       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 4.20                  |
| CBH150B-TC11 | 150                     | 202  | BST             | 95 | CBH68-TC11-S       | TC..1102       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 4.90                  |

### 選配表 Option

| 刀桿 Shank                                                                            |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| B698-B700                                                                           | B706                                                                                |

· 長度單位 Unit of Length (mm)



搪孔範圍  
ø 200-2000  
Boring Range

精度  
0.01mm  
Accuracy

### 特點 Feature

- CBH600 以下加工調整範圍為直徑 110mm，CBH600~CBH900 調整範圍為 300mm，CBH1200 以上調整範圍為 400mm

- Processing adjustment range below CBH600 is 110mm diameter, CBH600 of ~ RBH900 adjustment range is 300mm, above CBH1200 adjustment range is 400mm.

| 規格<br>Spec. | øD 搪孔範圍<br>Boring Range |      | L   | 組合型式 Combination Type |                                                                                                      |                                                                                                                |                                                                                                              |                                                                                                                               |                    |              |                                              |                                           |       |
|-------------|-------------------------|------|-----|-----------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------|----------------------------------------------|-------------------------------------------|-------|
|             | Min.                    | Max. |     | 組合刀柄<br>Mck No.       | 連接盤<br><br>Flange | 橫向滑板<br><br>Extension Slide | 平衡滑塊<br><br>Balance Slide | 微調滑塊<br><br>Micro-Adjusted Sliding Block | 刀片座<br>Insert Seat | 刀片<br>Insert | 重量<br>(KGS)<br>Weight                        |                                           |       |
| CBH200      | 200                     | 310  | 130 | BST                   | 合金鋼                                                                                                  | BR200                                                                                                          | 鋁合金                                                                                                          | A-RST200                                                                                                                      | RBN200             | CB200        | CBH68-TP08-S<br>CBH68-TP09-S<br>CBH68-TC11-S | TP..0802<br>TP..0902<br>TC..1102<br>(三選一) | 7.40  |
| CBH300      | 300                     | 410  | 130 | BST                   |                                                                                                      | BR200                                                                                                          |                                                                                                              | A-RST300                                                                                                                      | RBN200             | CB200        |                                              |                                           | 8.20  |
| CBH400      | 400                     | 510  | 130 | BST                   |                                                                                                      | BR200                                                                                                          |                                                                                                              | A-RST400                                                                                                                      | RBN200             | CB200        |                                              |                                           | 9.00  |
| CBH500      | 500                     | 610  | 130 | BST                   |                                                                                                      | BR200                                                                                                          |                                                                                                              | A-RST500                                                                                                                      | RBN200             | CB200        |                                              |                                           | 9.80  |
| CBH600      | 600                     | 900  | 150 | FMA47.625             | 鋁合金                                                                                                  | BR600                                                                                                          |                                                                                                              | A-RST300x2 只                                                                                                                  | RBN200             | CB200        |                                              |                                           | 16.20 |
| CBH900      | 900                     | 1200 | 150 | FMA47.625             |                                                                                                      | BR900                                                                                                          |                                                                                                              | A-RST400x2 只                                                                                                                  | RBN200             | CB200        |                                              |                                           | 21.40 |
| CBH1200     | 1200                    | 1600 | 180 | FMA47.625             |                                                                                                      | BR1200                                                                                                         |                                                                                                              | A-RST500x2 只                                                                                                                  | RBN200             | CB200        |                                              |                                           | 35.00 |
| CBH1600     | 1600                    | 2000 | 180 | FMA47.625             |                                                                                                      | BR1600                                                                                                         |                                                                                                              | A-RST500x2 只                                                                                                                  | RBN200             | CB200        |                                              |                                           | 40.20 |

### 配件表 Accessories

| 刀片 Insert | 螺絲 Screw        | 扳手 Wrench | 扭力值 (N.m) Torque |
|-----------|-----------------|-----------|------------------|
| TP.0802   | M2-5.0-3.1-60   | T6        | 0.6              |
| TP.0902   | M2.5-6.0-3.5-60 | T8        | 1.2              |
| TC..1102  | M2.5-6.0-3.5-60 | T8        | 1.2              |

### 選配表 Option

刀桿 Shank



B706

· 長度單位 Unit of Length (mm)



# Feature

## MBH特點 Features of MBH

微調單位：每刻度移動量為0.01mm，另有副尺可做更精確之調整，精密導程螺絲與螺帽均經硬化處理，堅固耐用。

搭配T型刀片離隙角為3°，C型刀片離隙角為0°。刀片座可承靠於本體上，能穩定搪孔尺寸與增加加工面光滑度。

內藏式水孔，易於排屑與冷卻。

Micro-adjustments with fifty 0.01mm in diameter. Includes a sub-dial for finer adjustments. High precision lead screw and nut are heat hardened for high durability.

T-type inserts with clearance angle of 3° or 0°. Interchangeable insert seats are able to stabilize and improve surface quality.

Built-in coolant nozzle improves chip removal rate and workpiece quality.



MBH40~MBH500皆附A、B型兩款刀座、可自行更換增加搪孔範圍、節省客戶另外購買刀座之成本。

MBH40-MBH500 offers exchangeable A and B insert-holders for exchange on demand to obtain the optimum boring range and cost.

# Boring Head





搪孔範圍  
ø 16-200  
Boring Range

最高轉速  
8000  
Max. rpm

LEMMA

Fig.1

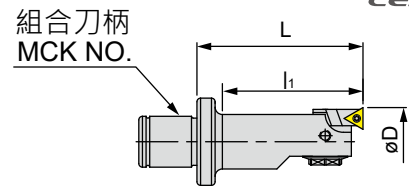
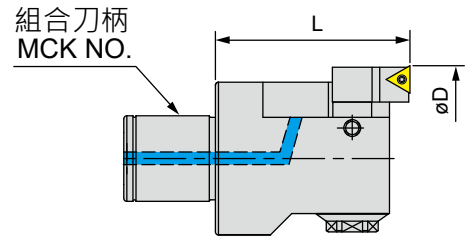


Fig.2



### 特點 Feature

- MBH 精搪刀使用於精切削搪孔，搪孔範圍 Ø16-Ø200mm 均可搭配選用
- 調整刻度每格調整尺寸為直徑 0.01mm
- 精密導程螺絲與螺帽均經硬化處理，堅固耐用
- 內藏式水孔，易於排屑與冷卻
- 刀片座為兩面固定無振動產生，可增加刀片壽命與加工面光滑度

- MBH Finish Boring Head is suitable for fine boring with working range from Ø16 to Ø200mm diameter.
- Every division for adjustment is 0.01mm diameter.
- High precision lead screw and nut have been heat treated and hardened, with high durability.
- Built-in coolant nozzle is easy for chip removal and cooling.
- Insert holder is with two-face support, free of vibration, which will also extend the working life of insert and ensure smoothness of working surface.

| 規格<br>Spec. | øD 搪孔範圍 Boring Range |      | 組合刀柄<br>Mck No. | L    | l <sub>1</sub> | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | Fig. | 重量<br>(KGS)<br>Weight |
|-------------|----------------------|------|-----------------|------|----------------|--------------|-----------------|--------------|------------------------|------|-----------------------|
|             | Min.                 | Max. |                 |      |                |              |                 |              |                        |      |                       |
| MBH16A      | 16                   | 20   | MCK2            | 55   | 50             | WC..02       | M2.0-5.0-2.7-60 | T6           | 0.6                    | 1    | 0.09                  |
| MBH20       | 20                   | 26   | MCK1            | 35   |                | WC..02       | M2.0-5.0-2.7-60 | T6           | 0.6                    | 2    | 0.07                  |
| MBH25       | 25                   | 32   | MCK2            | 40   |                | WC..02       | M2.0-5.0-2.7-60 | T6           | 0.6                    | 2    | 0.12                  |
| MBH32       | 32                   | 42   | MCK3            | 40   |                | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2    | 0.23                  |
|             | 32                   | 42   | MCK3            | 40   |                | TC..0902     | M2-5.0-3.1-60   | T6           | 0.6                    | 2    | 0.23                  |
| MBH32C      | 32                   | 42   | MCK3            | 40   |                | CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2    | 0.23                  |
| MBH40       | A                    | 40   | 55              | MCK4 | 50             | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 2    | 0.43                  |
|             | B                    | 55   | 70              | MCK4 | 50             | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2    | 0.43                  |
| MBH52       | A                    | 52   | 70              | MCK5 | 60             | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 2    | 0.9                   |
|             | B                    | 67   | 85              | MCK5 | 60             | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2    | 0.9                   |
| MBH68       | A                    | 68   | 88              | MCK6 | 75             | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 2    | 1.86                  |
|             | B                    | 85   | 105             | MCK6 | 75             | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2    | 1.86                  |
| MBH100      | A                    | 100  | 140             | BST  | 105            | CC..09T3     | M4-10-5.7-60    | T15          | 3.0                    | 2    | 4.08                  |
|             | B                    | 120  | 160             | BST  | 105            | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 2    | 4.08                  |
| MBH140      | A                    | 140  | 180             | BST  | 105            | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2    | 5.45                  |
|             | B                    | 160  | 200             | BST  | 105            | CC..1204     | M5-11-7.0-55    | T20          | 5.0                    | 2    | 5.45                  |

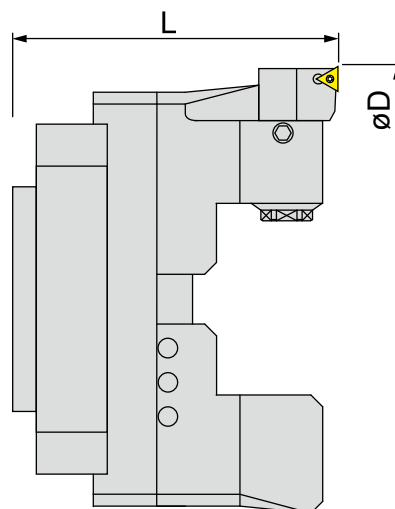
※MBH40、MBH52、MBH68、MBH100、MBH140、MBH200、MBH300、MBH400、MBH500 各有 A、B 兩款刀片座，由使用者自行替換，以達到最大搪孔範圍

※Each of MBH40、MBH52、MBH68、MBH100、MBH140、MBH200、MBH300、MBH400、MBH500 is with both A and B insert-holders for exchange on demand to obtain the maximum boring range.

### 選配表 Option

| 刀桿 Shank                                                                            |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| B698-B700                                                                           | B706                                                                                |

· 長度單位 Unit of Length (mm)



|                                 |                          |                          |
|---------------------------------|--------------------------|--------------------------|
| 搪孔範圍<br>ø16-200<br>Boring Range | 精度<br>0.01mm<br>Accuracy | 最高轉速<br>8000<br>Max. rpm |
|---------------------------------|--------------------------|--------------------------|

### 特點 Feature

- MBH 精搪刀使用於精切削搪孔，搪孔範圍 Ø200~Ø1250mm 均可搭配選用
- 調整刻度每格調整尺寸為直徑 0.01mm
- 精密導程螺絲與螺帽均經硬化處理，堅固耐用
- 刀片座為兩面固定無振動產生，可增加刀片壽命與加工面光滑度

- MBH Finish Boring Head is suitable for fine boring with working range from Ø200 to Ø1250mm diameter.
- Every division for adjustment is 0.01mm diameter.
- High precision lead screw and nut have been heat treated and hardened, with high durability.
- Insert holder is with two-face support, free of vibration, which will also extend the working life of insert and ensure smoothness of working surface.

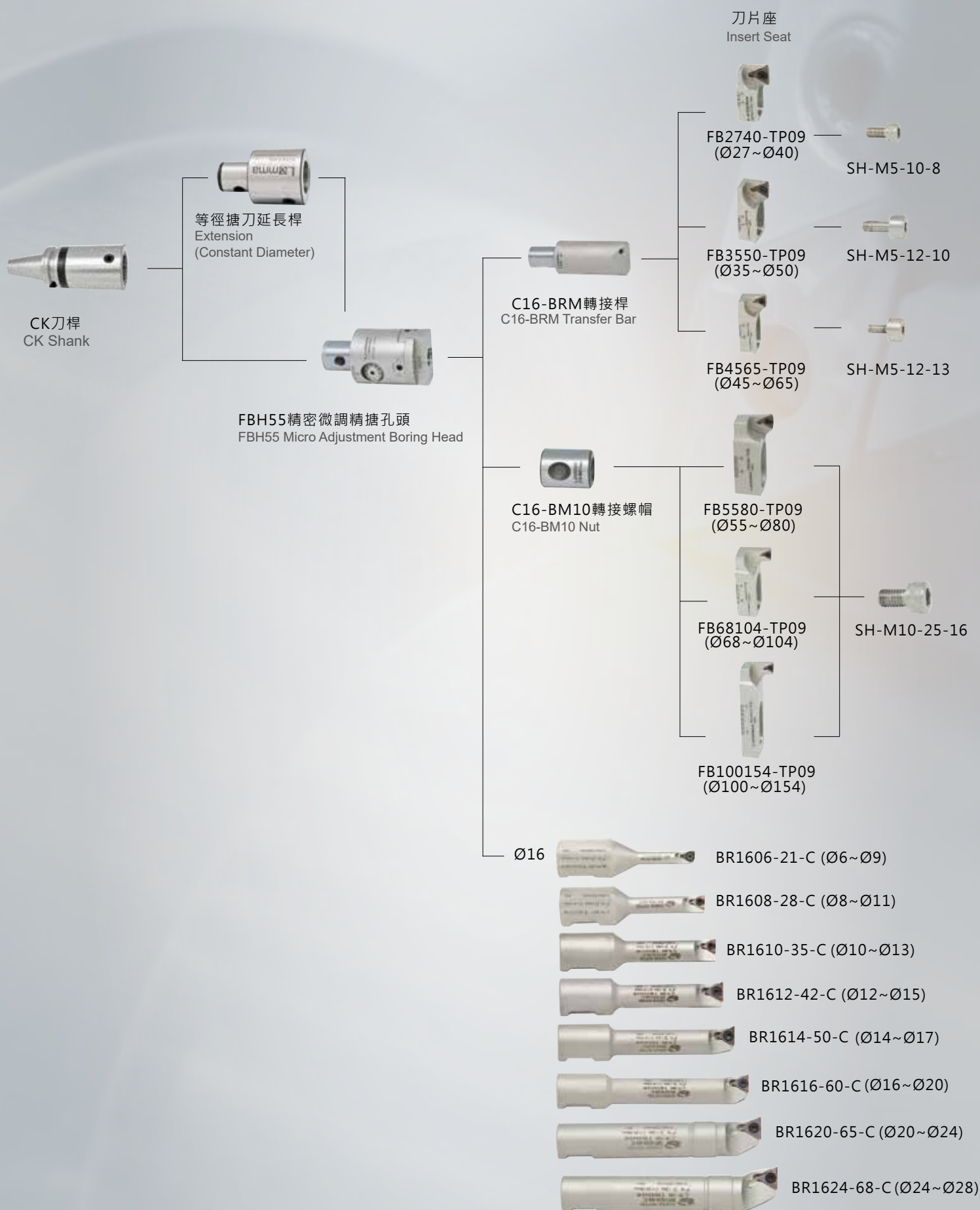
| 規格 Spec. | øD 搪孔範圍 Boring Range |      | 組合刀柄 Mck No. | L         | 刀片 Insert                        | 螺絲 Screw                                         | 扳手 Wrench       | 扭力值 (N.m) Torque  | 重量 (KGS) Weight |
|----------|----------------------|------|--------------|-----------|----------------------------------|--------------------------------------------------|-----------------|-------------------|-----------------|
|          | Min.                 | Max. |              |           |                                  |                                                  |                 |                   |                 |
| MBH200   | A                    | 200  | 260          | BST       | TC..1102<br>TP..1103<br>CC..1204 | M2.5-6.0-3.5-60<br>M3-8.0-4.0-43<br>M5-11-7.5-60 | T8<br>T9<br>T20 | 1.2<br>1.4<br>5.0 | 7.5             |
|          | B                    | 250  | 310          | BST       |                                  |                                                  |                 |                   | 8.3             |
| MBH300   | A                    | 300  | 360          | BST       |                                  |                                                  |                 |                   | 9.1             |
|          | B                    | 350  | 410          | BST       |                                  |                                                  |                 |                   | 9.9             |
| MBH400   | A                    | 400  | 460          | BST       |                                  |                                                  |                 |                   | 16.3            |
|          | B                    | 450  | 510          | BST       |                                  |                                                  |                 |                   | 22.6            |
| MBH500   | A                    | 500  | 560          | BST       |                                  |                                                  |                 |                   |                 |
|          | B                    | 550  | 610          | BST       |                                  |                                                  |                 |                   |                 |
| MBH600   | A                    | 600  | 900          | FMA47.625 |                                  |                                                  |                 |                   |                 |
| MBH900   | A                    | 900  | 1250         | FMA47.625 |                                  |                                                  |                 |                   |                 |

### 選配表 Option



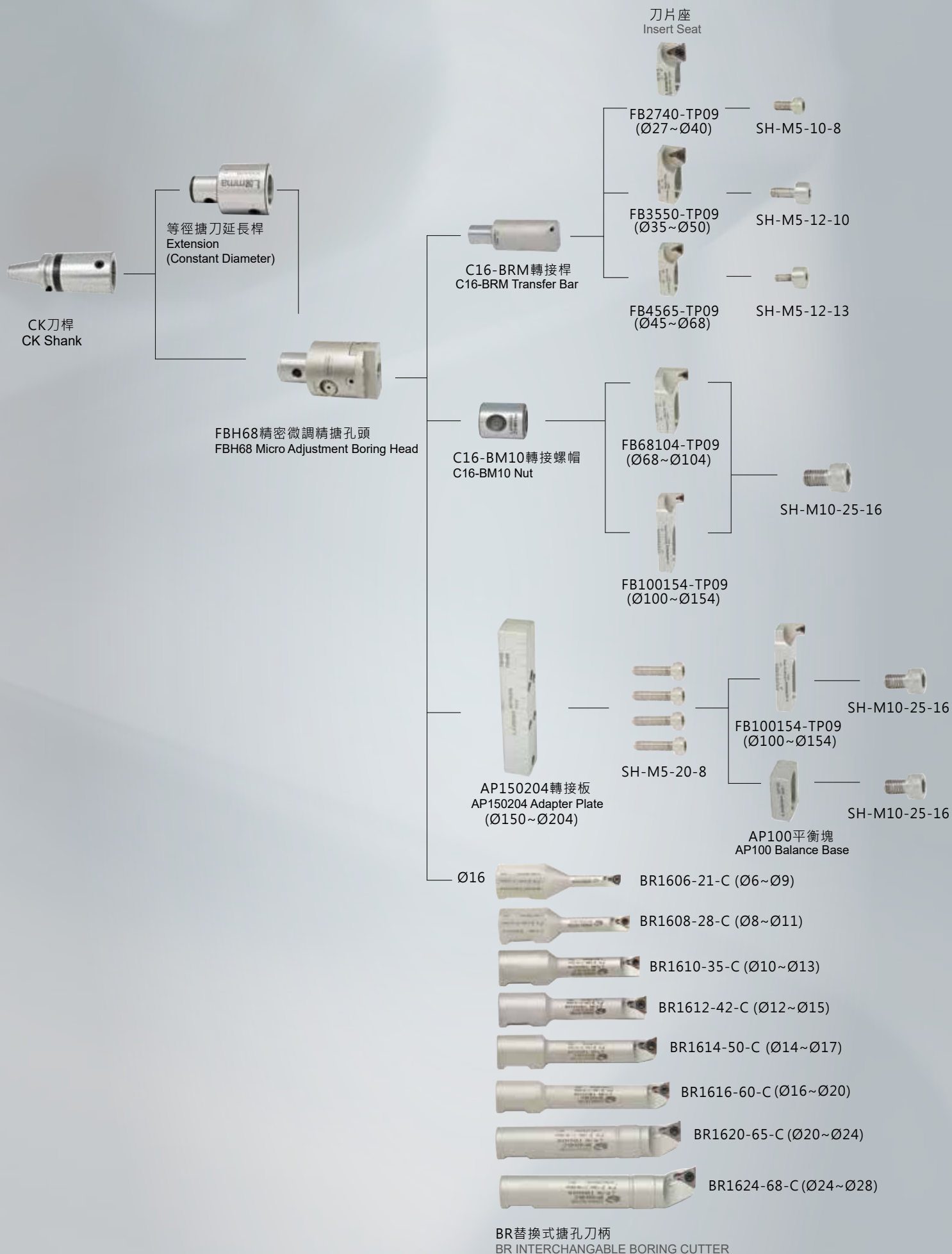
B706

· 長度單位 Unit of Length (mm)



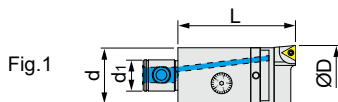
# FBH68 組合圖

## Combination





正搪  
Forward Boring



背搪  
Reverse Boring

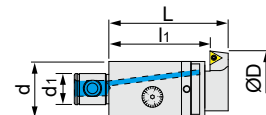
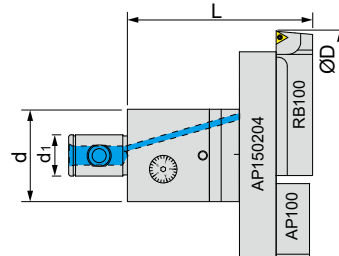
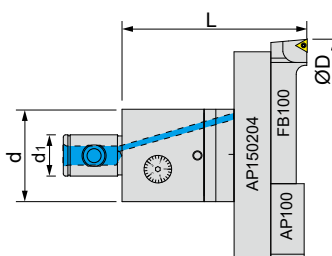


Fig.2



搪孔範圍  
ø 55-204  
Boring Range

精度  
0.002mm  
Accuracy

| 規格<br>Spec. | øD 搪孔範圍 Boring Range( 正搪 Boring) |      |                                    |     | øD 搪孔範圍 Boring Range( 背搪 Back Boring) |      |                                    |     |                |     |                | 組合刀柄<br>ck No. | 刀片<br>Insert | Fig. | 重量<br>(KGS)<br>Weight |
|-------------|----------------------------------|------|------------------------------------|-----|---------------------------------------|------|------------------------------------|-----|----------------|-----|----------------|----------------|--------------|------|-----------------------|
|             | Min.                             | Max. | Insert Seat                        | L   | Min.                                  | Max. | 刀片座<br>Insert Seat                 | L   | l <sub>1</sub> | d   | d <sub>1</sub> |                |              |      |                       |
| FBH55       | 55                               | 80   | FB5580-TP09                        | 85  | 60                                    | 84   | RB6084-TP09                        | 85  | 60             | 50  | 28             | CK             | TP.0902      | 1    | 1.04                  |
|             | 68                               | 104  | FB68104-TP09                       | 95  | 78                                    | 115  | RB78115-TP09                       | 95  | 70             | 50  | 28             | CK             | TP.0902      | 1    | 1.11                  |
|             | 100                              | 154  | FB100154-TP09                      | 95  | 110                                   | 164  | RB110164-TP09                      | 95  | 70             | 50  | 28             | CK             | TP.0902      | 1    | 1.22                  |
|             | 150                              | 204  | FB100154-TP09<br>AP150204<br>AP100 | 120 | 160                                   | 214  | RB110164-TP09<br>AP150204<br>AP100 | 120 | 95             | 140 | 28             | CK             | TP.0902      | 2    | 2.13                  |
| FBH68       | 68                               | 104  | FB68104-TP09                       | 100 | 78                                    | 115  | RB78115-TP09                       | 100 | 75             | 63  | 36             | CK             | TP.0902      | 1    | 2.00                  |
|             | 100                              | 154  | FB100154-TP09                      | 100 | 110                                   | 164  | RB110164-TP09                      | 100 | 75             | 63  | 36             | CK             | TP.0902      | 1    | 2.11                  |
|             | 150                              | 204  | FB100154-TP09<br>AP150204<br>AP100 | 125 | 160                                   | 214  | RB110164-TP09<br>AP150204<br>AP100 | 125 | 100            | 140 | 36             | CK             | TP.0902      | 2    | 3.02                  |

### 配件表 Accessories

| 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque |
|--------------|-----------------|--------------|------------------------|
| TP.0902      | M2.5-6.0-3.5-60 | T8           | 1.2                    |

### 選配表 Option

刀桿 Shank



B698-B700

· 長度單位 Unit of Length (mm)



正搪  
Forward  
Boring

搪孔範圍  
ø 55-104  
Boring Range

精度  
0.002mm  
Accuracy

Fig.1

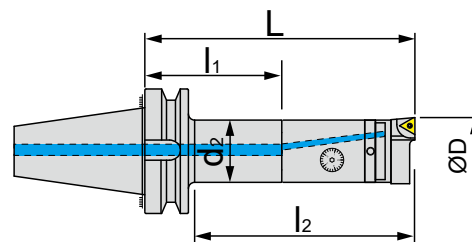
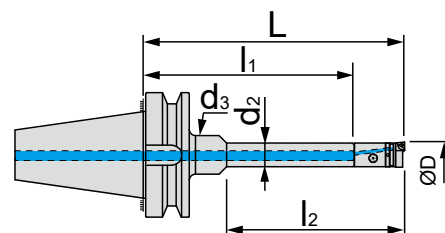


Fig.2



| 規格<br>Spec.    | øD 搪孔範圍<br>Boring Range |      | 搪孔組合<br>Tools Combination |                                       | L   | l1  | l2  | d2 | d3 | 組合刀柄<br>Ck No. | Fig. | 重量<br>(KGS)<br>Weight |
|----------------|-------------------------|------|---------------------------|---------------------------------------|-----|-----|-----|----|----|----------------|------|-----------------------|
|                | Min.                    | Max. | 刀桿<br>Shank               | 搪頭 - 刀片座<br>Boring Head - Insert Seat |     |     |     |    |    |                |      |                       |
| BT30-FBH55-145 | 55                      | 80   | BT30-CK5-60               | FBH55-FB5580-TP09                     | 145 | 60  | 115 | 50 | -  | CK             | 1    | 1.84                  |
| BT30-FBH68-160 | 68                      | 104  | BT30-CK6-60               | FBH68-FB68104-TP09                    | 160 | 60  | 130 | 64 | -  | CK             | 1    | 3.00                  |
| BT40-FBH55-160 | 55                      | 80   | BT40-CK5-75               | FBH55-FB5580-TP09                     | 160 | 75  | 125 | 50 | -  | CK             | 1    | 2.34                  |
| BT40-FBH55-210 | 55                      | 80   | BT40-CK5-125              | FBH55-FB5580-TP09                     | 210 | 125 | 175 | 50 | -  | CK             | 1    | 3.34                  |
| BT40-FBH55-260 | 55                      | 80   | BT40-CK5-175              | FBH55-FB5580-TP09                     | 260 | 175 | 225 | 50 | -  | CK             | 1    | 4.04                  |
| BT40-FBH68-165 | 68                      | 104  | BT40-CK6-65               | FBH68-FB68104-TP09                    | 165 | 65  | 130 | 50 | -  | CK             | 1    | 3.30                  |
| BT40-FBH68-215 | 68                      | 104  | BT40-CK6-115              | FBH68-FB68104-TP09                    | 215 | 115 | 180 | 50 | -  | CK             | 1    | 4.70                  |
| BT40-FBH68-265 | 68                      | 104  | BT40-CK6-165              | FBH68-FB68104-TP09                    | 265 | 165 | 230 | 50 | -  | CK             | 1    | 5.90                  |
| BT50-FBH55-190 | 55                      | 80   | BT50-CK5-105              | FBH55-FB5580-TP09                     | 190 | 105 | 145 | 50 | -  | CK             | 1    | 5.54                  |
| BT50-FBH55-265 | 55                      | 80   | BT50-CK5-180              | FBH55-FB5580-TP09                     | 265 | 180 | 220 | 50 | -  | CK             | 1    | 6.54                  |
| BT50-FBH55-325 | 55                      | 80   | BT50-CK5-240              | FBH55-FB5580-TP09                     | 325 | 240 | 280 | 50 | -  | CK             | 1    | 7.24                  |
| BT50-FBH55-385 | 55                      | 80   | BT50-CK5-300              | FBH55-FB5580-TP09                     | 385 | 300 | 280 | 50 | 64 | CK             | 2    | 8.64                  |
| BT50-FBH68-195 | 68                      | 104  | BT50-CK6-95               | FBH68-FB68104-TP09                    | 195 | 95  | 150 | 64 | -  | CK             | 1    | 6.50                  |
| BT50-FBH68-270 | 68                      | 104  | BT50-CK6-170              | FBH68-FB68104-TP09                    | 270 | 170 | 225 | 64 | -  | CK             | 1    | 8.30                  |
| BT50-FBH68-330 | 68                      | 104  | BT50-CK6-230              | FBH68-FB68104-TP09                    | 330 | 230 | 285 | 64 | -  | CK             | 1    | 9.60                  |
| BT50-FBH68-390 | 68                      | 104  | BT50-CK6-290              | FBH68-FB68104-TP09                    | 390 | 290 | 345 | 64 | -  | CK             | 1    | 11.0                  |
| BT50-FBH68-450 | 68                      | 104  | BT50-CK6-350              | FBH68-FB68104-TP09                    | 450 | 350 | 285 | 64 | 90 | CK             | 2    | 15.5                  |

### 選配表 Option

刀桿 Shank



B700

· 長度單位 Unit of Length (mm)





背搪  
Reverse  
Boring

Fig.1

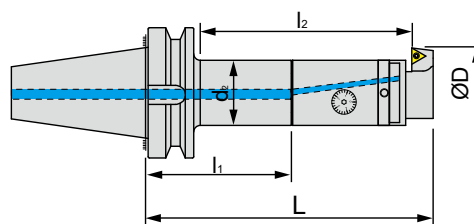
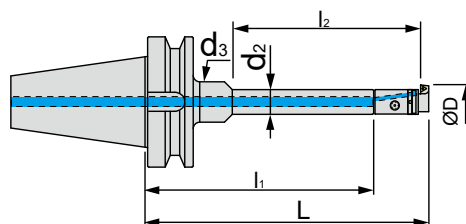


Fig.2



搪孔範圍  
ø 60-115  
Boring Range

精度  
0.002mm  
Accuracy

| 規格<br>Spec.      | øD 搪孔範圍<br>Boring Range |      | 搪孔組合 Tools Combination |                                       | L   | l <sub>1</sub> | l <sub>2</sub> | d <sub>2</sub> | d <sub>3</sub> | 組合刀柄<br>Ck No. | Fig. | 重量<br>(KGS)<br>Weight |
|------------------|-------------------------|------|------------------------|---------------------------------------|-----|----------------|----------------|----------------|----------------|----------------|------|-----------------------|
|                  | Min.                    | Max. | 刀桿<br>Shank            | 搪頭 - 刀片座<br>Boring Head - Insert Seat |     |                |                |                |                |                |      |                       |
| BT30-FBH55-145-R | 60                      | 84   | BT30-CK5-60            | FBH55-RB6084-TP09                     | 145 | 60             | 90             | 50             | -              | CK             | 1    | 1.84                  |
| BT30-FBH68-160-R | 78                      | 115  | BT30-CK6-60            | FBH68-RB78115-TP09                    | 160 | 60             | 105            | 64             | -              | CK             | 1    | 3.00                  |
| BT40-FBH55-160-R | 60                      | 84   | BT40-CK5-75            | FBH55-RB6084-TP09                     | 160 | 75             | 100            | 50             | -              | CK             | 1    | 2.34                  |
| BT40-FBH55-210-R | 60                      | 84   | BT40-CK5-125           | FBH55-RB6084-TP09                     | 210 | 125            | 150            | 50             | -              | CK             | 1    | 3.34                  |
| BT40-FBH55-260-R | 60                      | 84   | BT40-CK5-175           | FBH55-RB6084-TP09                     | 260 | 175            | 200            | 50             | -              | CK             | 1    | 4.04                  |
| BT40-FBH68-165-R | 78                      | 115  | BT40-CK6-65            | FBH68-RB78115-TP09                    | 165 | 65             | 105            | 50             | -              | CK             | 1    | 3.30                  |
| BT40-FBH68-215-R | 78                      | 115  | BT40-CK6-115           | FBH68-RB78115-TP09                    | 215 | 115            | 155            | 50             | -              | CK             | 1    | 4.70                  |
| BT40-FBH68-265-R | 78                      | 115  | BT40-CK6-165           | FBH68-RB78115-TP09                    | 265 | 165            | 205            | 50             | -              | CK             | 1    | 5.90                  |
| BT50-FBH55-190-R | 60                      | 84   | BT50-CK5-105           | FBH55-RB6084-TP09                     | 190 | 105            | 120            | 50             | -              | CK             | 1    | 5.54                  |
| BT50-FBH55-265-R | 60                      | 84   | BT50-CK5-180           | FBH55-RB6084-TP09                     | 265 | 180            | 195            | 50             | -              | CK             | 1    | 6.54                  |
| BT50-FBH55-325-R | 60                      | 84   | BT50-CK5-240           | FBH55-RB6084-TP09                     | 325 | 240            | 255            | 50             | -              | CK             | 1    | 7.24                  |
| BT50-FBH55-385-R | 60                      | 84   | BT50-CK5-300           | FBH55-RB6084-TP09                     | 385 | 300            | 255            | 50             | 64             | CK             | 2    | 8.64                  |
| BT50-FBH68-195-R | 78                      | 115  | BT50-CK6-95            | FBH68-RB78115-TP09                    | 195 | 95             | 125            | 64             | -              | CK             | 1    | 6.50                  |
| BT50-FBH68-270-R | 78                      | 115  | BT50-CK6-170           | FBH68-RB78115-TP09                    | 270 | 170            | 200            | 64             | -              | CK             | 1    | 8.30                  |
| BT50-FBH68-330-R | 78                      | 115  | BT50-CK6-230           | FBH68-RB78115-TP09                    | 330 | 230            | 260            | 64             | -              | CK             | 1    | 9.60                  |
| BT50-FBH68-390-R | 78                      | 115  | BT50-CK6-290           | FBH68-RB78115-TP09                    | 390 | 290            | 320            | 64             | -              | CK             | 1    | 11.0                  |
| BT50-FBH68-450-R | 78                      | 115  | BT50-CK6-350           | FBH68-RB78115-TP09                    | 450 | 350            | 260            | 64             | 90             | CK             | 2    | 15.5                  |

### 選配表 Option

刀桿 Shank



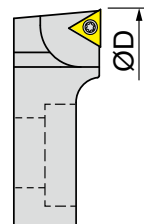
B700

・ 長度單位 Unit of Length (mm)

## FBH55/68 專用正反搪刀片座

### FBH55/68 FORWARD/REVERSE INSERT SEAT

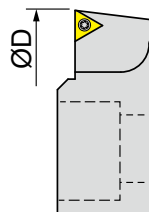
LEMMA



#### - 正搪 Forward Boring

| 規格 Spec.      | 組合搪頭 Suitable Boring Head | øD 搪孔範圍 Boring Range( 正搪 Boring) |      | 轉接螺帽 Nut | 鎖固螺絲 Locking screws | 刀片 Insert | 重量 (KGS) Weight |
|---------------|---------------------------|----------------------------------|------|----------|---------------------|-----------|-----------------|
|               |                           | Min.                             | Max. |          |                     |           |                 |
| FB5580-TP09   | FBH55                     | 55                               | 80   | C16-BM10 | SH-M10-25-16        | TP.0902   | 0.14            |
| FB68104-TP09  | FBH55/FBH68               | 68                               | 104  | C16-BM10 | SH-M10-25-16        | TP.0902   | 0.22            |
| FB100154-TP09 | FBH55/FBH68               | 100                              | 154  | C16-BM10 | SH-M10-25-16        | TP.0902   | 0.3             |

※ 附鎖固螺絲 With locking screws



#### - 背搪 Reverse Boring

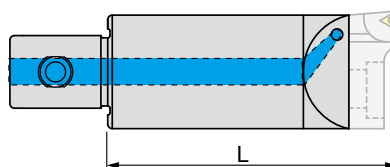
| 規格 Spec.      | 組合搪頭 Suitable Boring Head | øD 搪孔範圍 Boring Range( 背搪 Back Boring) |      | 轉接螺帽 Nut | 鎖固螺絲 Locking screws | 刀片 Insert | 重量 (KGS) Weight |
|---------------|---------------------------|---------------------------------------|------|----------|---------------------|-----------|-----------------|
|               |                           | Min.                                  | Max. |          |                     |           |                 |
| RB6084-TP09   | FBH55                     | 60                                    | 84   | C16-BM10 | SH-M10-25-16        | TP.0902   | 0.20            |
| RB78115-TP09  | FBH55/FBH68               | 78                                    | 115  | C16-BM10 | SH-M10-25-16        | TP.0902   | 0.40            |
| RB110164-TP09 | FBH55/FBH68               | 110                                   | 164  | C16-BM10 | SH-M10-25-16        | TP.0902   | 0.60            |

※ 附鎖固螺絲 With locking screws

## FBH55/68 專用刀片座轉接桿

### FBH55/68 TRANSFER BAR FOR INSERT HOLDER

LEMMA



| 規格 Spec. | 組合搪頭 Suitable Boring Head | 刀片座 Insert Seat | øD 搪孔範圍 Boring Range |      | L  | 刀片 Insert | 重量 (KGS) Weight |
|----------|---------------------------|-----------------|----------------------|------|----|-----------|-----------------|
|          |                           |                 | Min.                 | Max. |    |           |                 |
| C16-BRM  | FBH55<br>FBH68            | FB2740-TP09     | Ø27                  | Ø40  | 62 | TP.0902   | -               |
|          |                           | FB3550-TP09     | Ø35                  | Ø50  | 65 | TP.0902   | -               |
|          |                           | FB4565-TP09     | Ø45                  | Ø68  | 68 | TP.0902   | -               |

#### 配件表 Accessories

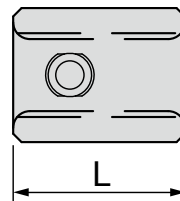
| 刀片 Insert | 螺絲 Screw        | 扳手 Wrench | 扭力值 (N.m) Torque |
|-----------|-----------------|-----------|------------------|
| TP.0902   | M2.5-6.0-3.5-60 | T8        | 1.2              |

· 長度單位 Unit of Length (mm)

## FBH55/68 專用轉接螺帽

### FBH55/68 NUT

LEMMA



| 規格<br>Spec. | L    | 重量<br>(KGS)<br>Weight |
|-------------|------|-----------------------|
| C16-BM10    | 20.5 | 0.04                  |

## FBH55/68 專用轉接板

### FBH55/68 ADAPTER PLATE

LEMMA



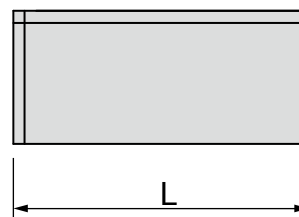
| 規格<br>Spec. | 組合搪頭<br>Suitable<br>Boring Head | 正搪刀片座<br>Forward Boring<br>Insert Seat | φD 搪孔範圍<br>Boring Range( 正搪 Boring) |      | 背搪刀片座<br>Forward Boring<br>Insert Seat | φD 搪孔範圍<br>Boring Range( 背搪 Back Boring) |      | 刀片<br>Insert | 重量<br>(KGS)<br>Weight |
|-------------|---------------------------------|----------------------------------------|-------------------------------------|------|----------------------------------------|------------------------------------------|------|--------------|-----------------------|
|             |                                 |                                        | Min.                                | Max. |                                        | Min.                                     | Max. |              |                       |
| AP150204    | FBH55<br>FBH68                  | FB100154-TP09                          | 150                                 | 204  | RB110164-TP09                          | 160                                      | 214  | TP.0902      | 0.72                  |

※ 附鎖固螺絲 SH-M5-20-8\*4pcs With locking screws SH-M5-20-8\*4pcs

## FBH55/68 專用平衡塊

### FBH55/68 BALANCE BASE

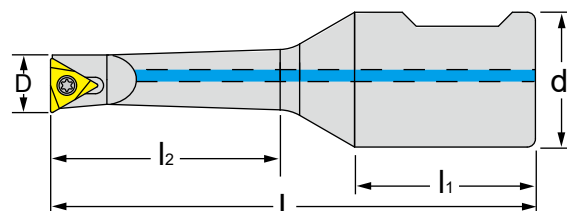
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| 規格<br>Spec. | L  | 重量<br>(KGS)<br>Weight |
|-------------|----|-----------------------|
| AP100       | 50 | 0.2                   |

※ 附鎖固螺絲 SH-M10-25-16 With locking screws SH-M10-25-16

・ 長度單位 Unit of Length (mm)



### 特點 Feature

- 可使用於 HBOR 精搪孔頭上
- 附中心出水孔

- Available to install in HBOR boring head.
- With through coolant hole.

| 規格<br>Spec. | ØD 搪孔範圍 Boring Range |      | L  | l <sub>1</sub> | l <sub>2</sub> | D  | d  | 刀片<br>Insert | 重量<br>(KGS)<br>Weight |
|-------------|----------------------|------|----|----------------|----------------|----|----|--------------|-----------------------|
|             | Min.                 | Max. |    |                |                |    |    |              |                       |
| BR1606-21-C | 6                    | 9    | 56 | 22             | 21             | 6  | 16 | WB..0601     | 0.04                  |
| BR1608-28-C | 8                    | 11   | 58 | 22             | 28             | 8  | 16 | TB..0601     | 0.04                  |
| BR1610-35-C | 10                   | 13   | 64 | 22             | 35             | 10 | 16 | TB..0601     | 0.05                  |
| BR1612-42-C | 12                   | 15   | 69 | 22             | 42             | 12 | 16 | TP..0902     | 0.06                  |
| BR1614-50-C | 14                   | 17   | 76 | 22             | 50             | 14 | 16 | TP..0902     | 0.07                  |
| BR1616-60-C | 16                   | 20   | 87 | 22             | 60             | 16 | 16 | TP..0902     | 0.09                  |
| BR1620-65-C | 20                   | 24   | 90 | 22             | 65             | 20 | 16 | TP..1103     | 0.11                  |
| BR1624-68-C | 24                   | 28   | 93 | 22             | 68             | 24 | 16 | TP..1103     | 0.12                  |

### 配件表 Accessories

| 刀片<br>Insert | 螺絲<br><br>Screw | 扳手<br><br>Wrench | 扭力值<br>(N.m)<br>Torque |
|--------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------|
| WB..0601     | M2-3.8-2.68-43                                                                                     | T6                                                                                                   | 0.6                    |
| TB..0601     | M2-5.0-2.7-60                                                                                      | T6                                                                                                   | 0.6                    |
| TP..0902     | M2.5-6.0-3.5-60                                                                                    | T8                                                                                                   | 1.2                    |
| TP..1103     | M3-8.0-4.0-43                                                                                      | T9                                                                                                   | 1.4                    |



| 規格<br>Spec.   | 內容物 Contents                                               |                      |                    |                         |      |             |                                  |                                                                                                 |                                                                                                  |                        | 重量<br>(KGS)<br>Weight |
|---------------|------------------------------------------------------------|----------------------|--------------------|-------------------------|------|-------------|----------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------|-----------------------|
|               | 刀桿<br>Shank                                                | 搪頭<br>Boring<br>Head | 刀片座<br>Insert Seat | øD 搪孔範圍<br>Boring Range |      | 刀具<br>Tools | 刀片<br>Insert                     |  螺絲<br>Screw |  扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque |                       |
|               |                                                            |                      |                    | Min.                    | Max. |             |                                  |                                                                                                 |                                                                                                  |                        |                       |
| FBH55-<br>SET | BT30-CK5-60<br>BT40-CK5-75<br>BT50-<br>CK5-105<br>( 任選一只 ) | FBH55                | FB2740-TP09        | Ø27                     | Ø40  | BR1606-21-C | WBG060104L-F<br>RM4015(10 片 )    | M2-3.8-2.68-43                                                                                  | T6                                                                                               | 0.6                    | 6.2                   |
|               |                                                            |                      | FB3550-TP09        | Ø35                     | Ø50  | BR1608-28-C | TBGT060102L-F01<br>RM4030(10 片 ) | M2-5.0-2.7-60                                                                                   |                                                                                                  |                        |                       |
|               |                                                            |                      | FB4565-TP09        | Ø45                     | Ø68  | BR1610-35-C |                                  |                                                                                                 | T8                                                                                               | 1.2                    |                       |
|               |                                                            |                      | FB5580-TP09        | Ø55                     | Ø80  | BR1612-42-C | TPGT090204L-F01<br>RM4030(10 片 ) | M2.5-6.0-3.5-60                                                                                 |                                                                                                  |                        |                       |
|               |                                                            |                      | FB68104-TP09       | Ø68                     | Ø104 | BR1614-50-C |                                  |                                                                                                 | T9                                                                                               | 1.4                    |                       |
|               |                                                            |                      | FB100154-TP09      | Ø100                    | Ø154 | BR1616-60-C |                                  |                                                                                                 |                                                                                                  |                        |                       |
|               |                                                            |                      |                    |                         |      | BR1620-65-C | TPGT110302L-F01<br>RM4030(10 片 ) | M3-8.0-4.0-43                                                                                   |                                                                                                  |                        |                       |
|               |                                                            |                      |                    |                         |      | BR1624-68-C |                                  |                                                                                                 |                                                                                                  |                        |                       |

※ 此套裝組刀片為選配 The insert is optional for this set.

| 規格<br>Spec. | 內容物 Contents        |             |                                                                                  |                          |                        |              |                        | 重量<br>(KGS)<br>Weight |
|-------------|---------------------|-------------|----------------------------------------------------------------------------------|--------------------------|------------------------|--------------|------------------------|-----------------------|
|             | 轉接桿<br>Transfer Bar | 轉接螺帽<br>Nut | 鎖固螺絲<br>Screw                                                                    | 扳手<br>Wrench             | 扭力值<br>(N.m)<br>Torque | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque |                       |
| FBH55-SET   | C16-BRM             | C16-BM10    | SH-M5-10-8 (1 只)<br>SH-M5-12-10 (1 只)<br>SH-M5-12-13 (1 只)<br>SH-M10-25-16 (1 只) | PL4<br>PL5<br>PL6<br>PL8 | 5.0<br>6.0             | PT2.5<br>PT3 | 5.0                    | 6.2                   |



| 規格<br>Spec.   | 內容物 Contents                  |                      |                    |                         |      |             |                                 |                                                                                                  |                                                                                                   |                        | 重量<br>(KGS)<br>Weight |
|---------------|-------------------------------|----------------------|--------------------|-------------------------|------|-------------|---------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------|-----------------------|
|               | 刀桿<br>Shank                   | 搪頭<br>Boring<br>Head | 刀片座<br>Insert Seat | øD 搪孔範圍<br>Boring Range |      | 刀具<br>Tools | 刀片<br>Insert                    |  螺絲<br>Screw |  扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque |                       |
|               |                               |                      |                    | Min.                    | Max. |             |                                 |                                                                                                  |                                                                                                   |                        |                       |
| FBH68-<br>SET | BT30-CK6-60                   | FBH68                | FB2740-TP09        | Ø27                     | Ø40  | BR1606-21-C | WBGTO60104L-F<br>RM4015(10 片)   | M2-3.8-2.68-43                                                                                   | T6                                                                                                | 0.6                    | 7.7                   |
|               | BT40-CK6-65                   |                      | FB3550-TP09        | Ø35                     | Ø50  | BR1608-28-C | TBGT060102L-F01<br>RM4030(10 片) | M2-5.0-2.7-60                                                                                    |                                                                                                   |                        |                       |
|               | BT50-CK6-95                   |                      | FB4565-TP09        | Ø45                     | Ø68  | BR1610-35-C | TPGT090204L-F01<br>RM4030(10 片) | M2.5-6.0-3.5-60                                                                                  | T8                                                                                                | 1.2                    |                       |
|               | ( 任選一只<br>Choose one<br>type) |                      | FB68104-TP09       | Ø68                     | Ø104 | BR1614-50-C | TPGT110302L-F01<br>RM4030(10 片) | M3-8.0-4.0-43                                                                                    |                                                                                                   |                        |                       |
|               |                               |                      | FB100154-TP09      | Ø100                    | Ø154 | BR1616-60-C |                                 |                                                                                                  |                                                                                                   |                        |                       |
|               |                               |                      |                    |                         |      | BR1620-65-C | TPGT110302L-F01<br>RM4030(10 片) |                                                                                                  |                                                                                                   |                        |                       |
|               |                               |                      |                    | BR1624-68-C             |      |             |                                 |                                                                                                  |                                                                                                   |                        |                       |

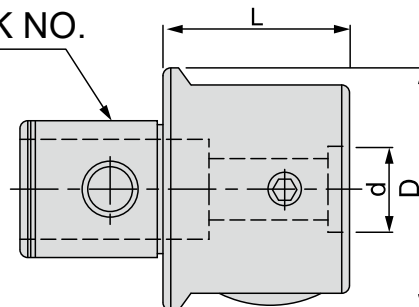
※ 此套裝組刀片為選配 The insert is optional for this set.

| 規格 Spec.  | 內容物 Contents     |          |                   |                  |                                                                                                      |                          |                  |              |                  | 重量 (KGS) Weight |
|-----------|------------------|----------|-------------------|------------------|------------------------------------------------------------------------------------------------------|--------------------------|------------------|--------------|------------------|-----------------|
|           | 轉接桿 Transfer Bar | 轉接螺帽 Nut | 轉接板 Adapter Plate | 平衡塊 Balance Base | 鎖固螺絲 Screw                                                                                           | 扳手 Wrench                | 扭力值 (N.m) Torque | 扳手 Wrench    | 扭力值 (N.m) Torque |                 |
| FBH68-SET | C16-BRM          | C16-BM10 | AP150204          | AP100            | SH-M5-10-8 (1 只)<br>SH-M5-12-10 (1 只)<br>SH-M5-12-13 (1 只)<br>SH-M5-20-8 (4 只)<br>SH-M10-25-16 (2 只) | PL4<br>PL5<br>PL6<br>PL8 | 5.0<br>6.0       | PT2.5<br>PT3 | 5.0              | 7.7             |





組合刀柄  
MCK NO.

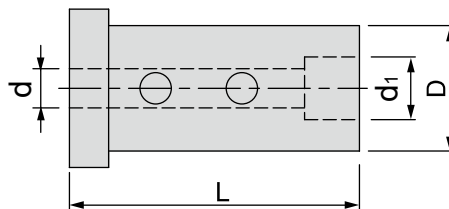


### 特點 Feature

- CBI 小徑精搪刀有三種選擇，適用於  $\varnothing 8 \sim \varnothing 50 \text{mm}$  小孔徑使用，如使用全鎢鋼小徑搪刀桿可加工  $\varnothing 3 \sim \varnothing 10 \text{mm}$  範圍小孔。
- 調整刻度為圓周 50 等分，每格調整尺寸為直徑 0.01mm，另有副尺可作更精細之調整。
- 精密導程螺絲位於內部，不受切屑、磨耗、生鏽等影響，具有內部潤滑精準耐用。

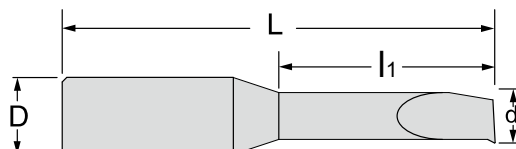
- Three options of CBI compatible with small aperture from  $\varnothing 8 \text{mm}$  to  $\varnothing 50 \text{mm}$ . Boring range can be within  $\varnothing 3 \text{mm}$  to  $\varnothing 10 \text{mm}$  if small diameter solid carbide boring bar has been employed.
- The dial has been graduated into 50 divisions, each of which is 0.01mm diameter, attached with sub-dial for finer adjustment.
- High precision internal lead screw maintain inner lubrication is free from the effects of chips, abrasion, and rust, featuring precision and high durability.

| 規格<br>Spec. | 移動量<br>mm | 組合刀柄<br>Mck No. | L  | D  | d  | 重量<br>(KGS)<br>Weight |
|-------------|-----------|-----------------|----|----|----|-----------------------|
| CBI4        | 0-2.0     | MCK4            | 32 | 39 | 10 | 0.40                  |
| CBI5        | 0-3.5     | MCK5            | 40 | 50 | 12 | 0.80                  |
| CBI6        | 0-5.0     | MCK6            | 50 | 64 | 16 | 1.27                  |

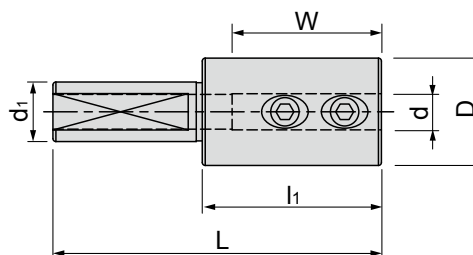


| 規格<br>Spec. | L  | D  | d | d <sub>1</sub> | 螺絲<br>Screw | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|-------------|----|----|---|----------------|-------------|--------------|------------------------|-----------------------|
| SH-0416-37  | 37 | 16 | 4 | 8              | HS4-4       | PL2          | 3.0                    | 0.07                  |
| SH-0516-37  | 37 | 16 | 5 | 8              | HS5-5.5     | PL2          | 3.0                    | 0.06                  |
| SH-0616-37  | 37 | 16 | 6 | 8              | HS6-4       | PL2          | 3.0                    | 0.06                  |
| SH-0716-37  | 37 | 16 | 7 | 8              | HS6-4       | PL2          | 3.0                    | 0.06                  |

· 長度單位 Unit of Length (mm)



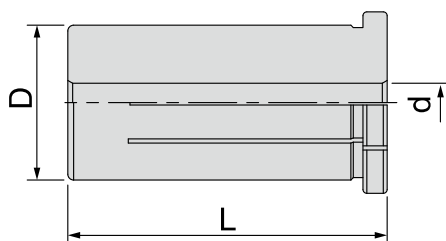
| 規格<br>Spec. | ød 搪孔範圍 Boring Range |       |       |       | L  | l <sub>1</sub> | D  | 重量<br>(KGS)<br>Weight |
|-------------|----------------------|-------|-------|-------|----|----------------|----|-----------------------|
|             | Min.                 | Max.  |       |       |    |                |    |                       |
|             |                      | CBI 4 | CBI 5 | CBI 6 |    |                |    |                       |
| CBJ0603-15  | 3                    | 7     | 10    | 13    | 50 | 15             | 6  | -                     |
| CBJ0604-20  | 4                    | 8     | 11    | 14    | 50 | 20             | 6  | -                     |
| CBJ0605-25  | 5                    | 9     | 12    | 15    | 60 | 25             | 6  | -                     |
| CBJ0606-30  | 6                    | 10    | 13    | 16    | 60 | 30             | 6  | -                     |
| CBJ1008-35  | 8                    | 12    | 15    | 18    | 75 | 35             | 10 | -                     |
| CBJ1010-40  | 10                   | 14    | 17    | 20    | 75 | 40             | 10 | 0.07                  |



| 規格<br>Spec. | L  | l <sub>1</sub> | D  | d  | d <sub>1</sub> | W  | 重量<br>(KGS)<br>Weight |
|-------------|----|----------------|----|----|----------------|----|-----------------------|
| AC1006-30   | 55 | 30             | 18 | 6  | 10             | 25 | 0.08                  |
| AC1206-35   | 65 | 35             | 22 | 6  | 12             | 25 | 0.14                  |
| AC1210-35   | 65 | 35             | 22 | 10 | 12             | 30 | 0.12                  |
| AC1606-35   | 85 | 35             | 16 | 6  | 16             | 25 | 0.14                  |
| AC1610-35   | 85 | 35             | 22 | 10 | 16             | 30 | 0.14                  |



## 鎢鋼刀柄專用套筒 SLEEVE FOR SOLID CARBIDE TOOL HOLDER

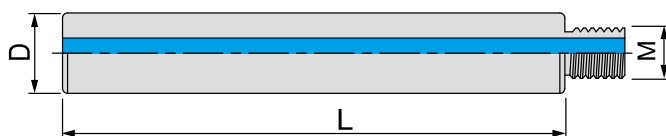


| 規格<br>Spec. | L  | D  | d  | 重量<br>(KGS)<br>Weight |
|-------------|----|----|----|-----------------------|
| SBJ-10-4K   | 30 | 10 | 4  | 0.01                  |
| SBJ-10-6K   | 30 | 10 | 6  | 0.01                  |
| SBJ-10-8K   | 30 | 10 | 8  | 0.01                  |
| SBJ-12-4K   | 35 | 12 | 4  | 0.01                  |
| SBJ-12-6K   | 35 | 12 | 6  | 0.01                  |
| SBJ-12-8K   | 35 | 12 | 8  | 0.01                  |
| SBJ-12-10K  | 35 | 12 | 10 | 0.01                  |
| SBJ-16-8K   | 37 | 16 | 8  | 0.08                  |
| SBJ-16-10K  | 37 | 16 | 10 | 0.04                  |
| SBJ-16-12K  | 37 | 16 | 12 | 0.02                  |
| SBJ-16-14K  | 37 | 16 | 14 | 0.01                  |



## 抗震鎢鋼刀柄 VIBRATION-DUMPED CARBIDE TOOL HOLDER

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### 特點 Feature

- 搪孔深度不得超過孔徑六倍

- Boring depth must not exceed six times of the diameter.

| 規格<br>Spec.   | øD 搪孔範圍 Boring Range |      | L   | D  | M         | 組合搪頭<br>Suitable<br>Boring Head | 重量<br>(KGS)<br>Weight |
|---------------|----------------------|------|-----|----|-----------|---------------------------------|-----------------------|
|               | Min.                 | Max. |     |    |           |                                 |                       |
| ST08-W5-100L  | 9                    | 13   | 100 | 8  | M5-0.8P   | SEB09N                          | 0.07                  |
| ST10-W6-110L  | 12                   | 15   | 110 | 10 | M6-1.0P   | SEB12N                          | 0.14                  |
| ST12-W6-120L  | 14                   | 17   | 120 | 12 | M6-1.0P   | SEB14N                          | 0.21                  |
| ST14-W6-160L  | 16                   | 20   | 160 | 14 | M6-1.0P   | SEB16N                          | 0.36                  |
| ST16-W10-160L | 18                   | 42   | 160 | 16 | M10-1.25P | SEB18N~SEB50N                   | 0.47                  |

· 長度單位 Unit of Length (mm)

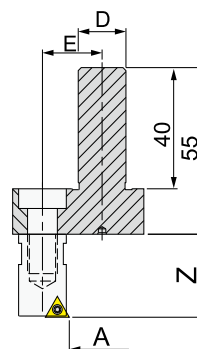
# CBR20/CBR30 組合式外圓搪孔組件

## CBR20/CBR30 MODULAR EXTERNAL BORING HEAD

LEMMA



範例 Example



| 規格 Spec.               | 搪頭 Boring Head | A     | 偏心距離 E Eccentric Distance | 有效深 Z Cutting Depth | D     | 使用刀片 Insert | 螺絲 Screw      | 扳手 Wrench | 扭力值 (N.m) Torque | 重量 (KGS) Weight |
|------------------------|----------------|-------|---------------------------|---------------------|-------|-------------|---------------|-----------|------------------|-----------------|
| C16-CBR20<br>C20-CBR20 | SEB36N         | 5-14  | 20                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB34N         | 7-16  | 20                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB32N         | 9-18  | 20                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB30N         | 11-20 | 20                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB28N         | 13-22 | 20                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB26N         | 15-24 | 20                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB24N         | 17-26 | 20                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB22N         | 19-28 | 20                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB20N         | 21-30 | 20                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB18N         | 23-32 | 20                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
| C16-CBR30<br>C20-CBR30 | SEB36N         | 25-34 | 30                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB34N         | 27-36 | 30                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB32N         | 29-38 | 30                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB30N         | 31-40 | 30                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB28N         | 33-42 | 30                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB26N         | 35-44 | 30                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB24N         | 37-46 | 30                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB22N         | 39-48 | 30                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB20N         | 41-50 | 30                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |
|                        | SEB18N         | 43-52 | 30                        | 25                  | 16/20 | TP.0802     | M2-5.0-2.7-60 | T6        | 0.6              | -               |

※ C16-CBR20、CBR30 為 CBI6 搪孔器專用搪外圓組件 C16-CBR20、CBR30 are the external boring assemblies for CBI6 boring system.

※ C20-CBR20、CBR30 為 NBH2084 搪孔器專用搪外圓組件 C20-CBR20、CBR30 are the external boring assemblies for NBH2084 boring system.

※ 附螺絲 M10x20L With Screw M10 x 20L

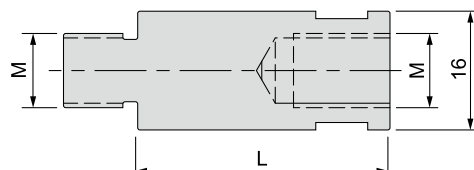
# CBR20/CBR30 專用加長連接桿

## CBR20/CBR30 EXTENSION ADAPTER

LEMMA

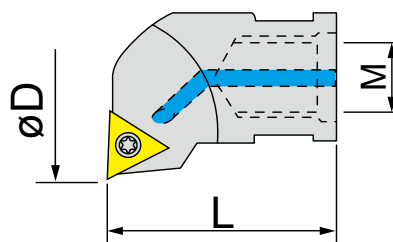


範例 Example



| 規格 Spec.  | 搪頭 Boring Head | L  | 結合牙 M | 重量 (KGS) Weight |
|-----------|----------------|----|-------|-----------------|
| CBRM10-34 | SEB18N~SEB36N  | 34 | M10   | 0.06            |
| CBRM10-64 | SEB18N~SEB36N  | 64 | M10   | 0.10            |

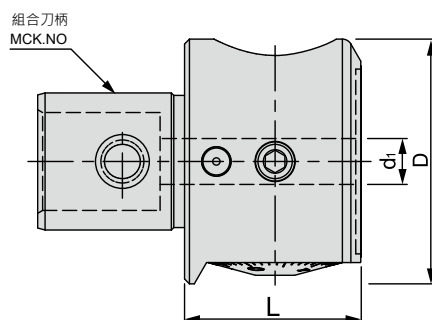
· 長度單位 Unit of Length (mm)



| 規格<br>Spec.   | øD 搪孔範圍 Boring Range |      | L  | M   | 使用刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|---------------|----------------------|------|----|-----|----------------|---------------|--------------|------------------------|-----------------------|
|               | Min.                 | Max. |    |     |                |               |              |                        |                       |
| SEB09N-TP08   | 9                    | 10.5 | 18 | M5  | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.02                  |
| SEB10.5N-TP08 | 10.5                 | 12   | 18 | M5  | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.02                  |
| SEB12N-TP08   | 12                   | 14   | 23 | M6  | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.02                  |
| SEB14N-TP08   | 14                   | 16   | 23 | M6  | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.02                  |
| SEB16N-TP08   | 16                   | 18   | 23 | M6  | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.03                  |
| SEB18N-TP08   | 18                   | 20   | 27 | M10 | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.03                  |
| SEB20N-TP08   | 20                   | 22   | 27 | M10 | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.04                  |
| SEB22N-TP08   | 22                   | 24   | 27 | M10 | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.04                  |
| SEB24N-TP08   | 24                   | 26   | 27 | M10 | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.04                  |
| SEB26N-TP08   | 26                   | 28   | 27 | M10 | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.04                  |
| SEB28N-TP08   | 28                   | 30   | 27 | M10 | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.04                  |
| SEB30N-TP08   | 30                   | 32   | 27 | M10 | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.04                  |
| SEB32N-TP08   | 32                   | 34   | 27 | M10 | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.04                  |
| SEB34N-TP08   | 34                   | 36   | 27 | M10 | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.05                  |
| SEB36N-TP08   | 36                   | 38   | 27 | M10 | TP.0802        | M2-5.0-2.7-60 | T6           | 0.6                    | 0.04                  |

| 規格<br>Spec. | øD 搪孔範圍 Boring Range |      | L  | M   | 使用刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|-------------|----------------------|------|----|-----|----------------|-----------------|--------------|------------------------|-----------------------|
|             | Min.                 | Max. |    |     |                |                 |              |                        |                       |
| SEB09N-TB06 | 9                    | 10.5 | 18 | M5  | TB.0601        | M2-5.0-2.7-60   | T6           | 0.6                    | 0.02                  |
| SEB12N-TB06 | 12                   | 14   | 23 | M6  | TB.0601        | M2-5.0-2.7-60   | T6           | 0.6                    | 0.02                  |
| SEB14N-TP09 | 14                   | 16   | 23 | M6  | TP.0902        | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.02                  |
| SEB16N-TP09 | 16                   | 18   | 23 | M6  | TP.0902        | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.03                  |
| SEB18N-TP09 | 18                   | 20   | 27 | M10 | TP.0902        | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.03                  |
| SEB20N-TP09 | 20                   | 22   | 27 | M10 | TP.0902        | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.04                  |
| SEB22N-TP11 | 22                   | 24   | 27 | M10 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | 0.04                  |
| SEB24N-TP11 | 24                   | 26   | 27 | M10 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | 0.04                  |
| SEB26N-TP11 | 26                   | 28   | 27 | M10 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | 0.04                  |
| SEB28N-TP11 | 28                   | 30   | 27 | M10 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | 0.04                  |
| SEB30N-TP11 | 30                   | 32   | 27 | M10 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | 0.04                  |
| SEB32N-TP11 | 32                   | 34   | 27 | M10 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | 0.04                  |
| SEB34N-TP11 | 34                   | 36   | 27 | M10 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | 0.05                  |
| SEB36N-TP11 | 36                   | 38   | 27 | M10 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | 0.04                  |
| SEB38N-TP11 | 38                   | 40   | 27 | M10 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | 0.05                  |

· 長度單位 Unit of Length (mm)



|                                |                          |                          |
|--------------------------------|--------------------------|--------------------------|
| 搪孔範圍<br>ø 6-50<br>Boring Range | 精度<br>0.01mm<br>Accuracy | 最高轉速<br>8000<br>Max. rpm |
|--------------------------------|--------------------------|--------------------------|

### 特點 Feature

- 採用特殊表面處理，加強防鏽效果
- 搭配 16mm 柄徑的小徑搪刀，並搭配不同切削刀具，達成多樣化的組合，以利客戶加工使用
- 微調單位：每刻度移動量為 0.01mm，另有副尺可做更精確之調整，搪孔範圍 Ø6~Ø50mm

- With special coating treatment, to strengthen the anti-corrosion effect.
- Use with 16mm shank trails boring, and match with different cutting tools can achieve variety of combinations, in order to facilitate customers choice of tool.
- Micro-adjustment until: each unit is 0.01mm. Attached with a sub-dial for finer adjustment, boring range Ø6~Ø50mm.

| 規格<br>Spec. | øD 搪孔範圍 Boring Range |      | D    | 微調行程<br>Stroke | 精度<br>Accuracy | d. | L    | 組合刀柄<br>Mck No. | 重量<br>(KGS)<br>Weight |
|-------------|----------------------|------|------|----------------|----------------|----|------|-----------------|-----------------------|
|             | Min.                 | Max. |      |                |                |    |      |                 |                       |
| SBJ10       | 6                    | 22   | 39   | 2              | 0.01           | 10 | 28.5 | CK4/MCK4        | 0.25                  |
| SBJ12       | 6                    | 32   | 50   | 3.5            | 0.01           | 12 | 36   | CK5/MCK5        | 0.50                  |
| SBJ16       | 6                    | 50   | 63.5 | 6              | 0.01           | 16 | 45   | CK6/MCK6        | 1.00                  |

### 範例 Example





## SBJ-10 替換式搪孔刀柄

### SBJ-10 INTERCHANGABLE BORING CUTTER



KOVIT



Fig.1

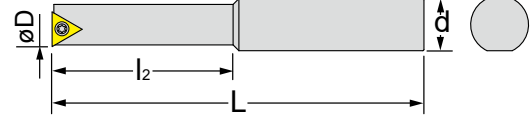
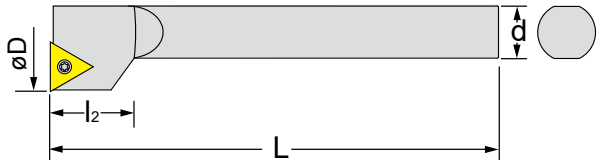


Fig.2



| 規格<br>Spec. | $\phi D$ 搪孔範圍<br>Boring Range |      | D  | d  | L  | l <sub>2</sub> | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | Fig. | 重量<br>(KGS)<br>Weight |
|-------------|-------------------------------|------|----|----|----|----------------|--------------|-----------------|--------------|------------------------|------|-----------------------|
|             | Min.                          | Max. |    |    |    |                |              |                 |              |                        |      |                       |
| SBJ-1008-32 | 8                             | 10   | 8  | 10 | 64 | 32             | TB..0601     | M2-5.0-2.7-60   | T6           | 0.6                    | 1    | 0.06                  |
| SBJ-1010-40 | 10                            | 12   | 10 | 10 | 77 | 40             | TB..0601     | M2-5.0-2.7-60   | T6           | 0.6                    | 1    | 0.06                  |
| SBJ-1012-45 | 12                            | 16   | 12 | 10 | 77 | 22             | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2    | 0.08                  |
| SBJ-1016-45 | 16                            | 20   | 16 | 10 | 77 | 20             | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2    | 0.08                  |
| SBJ-1020-45 | 20                            | 25   | 20 | 10 | 77 | 22.7           | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2    | 0.08                  |

## SBJ-12 替換式搪孔刀柄

### SBJ-12 INTERCHANGABLE BORING CUTTER



KOVIT



Fig.1

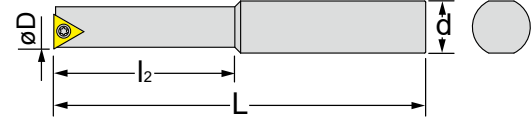
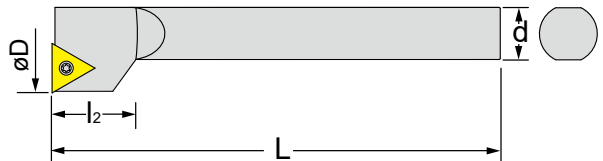


Fig.2



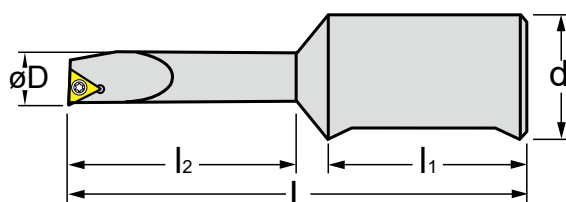
| 規格<br>Spec. | $\phi D$ 搪孔範圍<br>Boring Range |      | D  | d  | L  | l <sub>2</sub> | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | Fig. | 重量<br>(KGS)<br>Weight |
|-------------|-------------------------------|------|----|----|----|----------------|--------------|-----------------|--------------|------------------------|------|-----------------------|
|             | Min.                          | Max. |    |    |    |                |              |                 |              |                        |      |                       |
| SBJ-1208-32 | 8                             | 10   | 8  | 12 | 64 | 32             | TB..0601     | M2-5.0-2.7-60   | T6           | 0.6                    | 1    | 0.08                  |
| SBJ-1210-40 | 10                            | 12   | 10 | 12 | 72 | 40             | TB..0601     | M2-5.0-2.7-60   | T6           | 0.6                    | 1    | 0.08                  |
| SBJ-1212-45 | 12                            | 16   | 12 | 12 | 77 | 45             | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 1    | 0.08                  |
| SBJ-1216-45 | 16                            | 20   | 16 | 12 | 77 | 20             | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2    | 0.10                  |
| SBJ-1220-45 | 20                            | 25   | 20 | 12 | 77 | 23             | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 2    | 0.08                  |

## SBJ-16 替換式搪孔刀柄

### SBJ-16 INTERCHANGABLE BORING CUTTER



KOVIT



| 規格<br>Spec.  | øD 搪孔範圍<br>Boring Range |      | D  | d  | L   | L <sub>1</sub> | L <sub>2</sub> | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|--------------|-------------------------|------|----|----|-----|----------------|----------------|--------------|-----------------|--------------|------------------------|-----------------------|
|              | Min.                    | Max. |    |    |     |                |                |              |                 |              |                        |                       |
| SBJ-1606-24  | 6                       | 9    | 6  | 16 | -   | 32             | 24             | WB..0601     | M2-3.8-2.68-43  | T6           | 0.6                    | 0.09                  |
| SBJ-1608-32  | 8                       | 11   | 8  | 16 | 74  | 32             | 32             | TB..0601     | M2-5.0-2.7-60   | T6           | 0.6                    | 0.09                  |
| SBJ-1608-40  | 8                       | 11   | 8  | 16 | 82  | 32             | 40             | TB..0601     | M2-5.0-2.7-60   | T6           | 0.6                    | 0.07                  |
| SBJ-1610-40  | 10                      | 13   | 10 | 16 | 75  | 32             | 40             | TB..0601     | M2-5.0-2.7-60   | T6           | 0.6                    | 0.09                  |
| SBJ-1610-50  | 10                      | 13   | 10 | 16 | 85  | 32             | 50             | TB..0601     | M2-5.0-2.7-60   | T6           | 0.6                    | 0.08                  |
| SBJ-1612-53  | 12                      | 17   | 12 | 16 | 85  | 32             | 53             | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.10                  |
| SBJ-1612-65  | 12                      | 17   | 12 | 16 | 97  | 32             | 65             | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.12                  |
| SBJ-1616-68  | 16                      | 21   | 16 | 16 | 100 | 32             | 68             | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.15                  |
| SBJ-1616-85  | 16                      | 21   | 16 | 16 | 117 | 32             | 85             | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.16                  |
| SBJ-1620-83  | 20                      | 26   | 20 | 16 | 115 | 32             | 83             | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 0.23                  |
| SBJ-1620-105 | 20                      | 26   | 20 | 16 | 137 | 32             | 105            | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 0.25                  |
| SBJ-1625-90  | 25                      | 32   | 25 | 16 | 122 | 32             | 90             | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 0.25                  |
| SBJ-1630-90  | 30                      | 40   | 30 | 16 | 122 | 32             | 90             | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 0.29                  |
| SBJ-1640-90  | 40                      | 50   | 40 | 16 | 122 | 32             | 90             | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 0.30                  |

## SBJ-20 替換式搪孔刀柄

### SBJ-20 INTERCHANGABLE BORING CUTTER



KOVIT



Fig.1

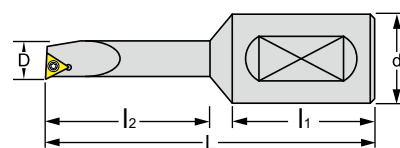
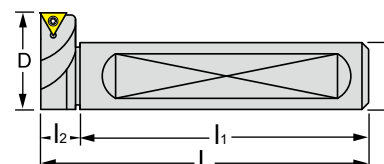


Fig.2



| 規格<br>Spec.  | øD 搪孔範圍<br>Boring Range |      | D  | d  | L   | L <sub>1</sub> | L <sub>2</sub> | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | Fig. | 重量<br>(KGS)<br>Weight |
|--------------|-------------------------|------|----|----|-----|----------------|----------------|--------------|-----------------|--------------|------------------------|------|-----------------------|
|              | Min.                    | Max. |    |    |     |                |                |              |                 |              |                        |      |                       |
| SBJ-2008-32  | 8                       | 11   | 8  | 20 | 76  | 32             | 44             | TB..0601     | M2-5.0-2.7-60   | T6           | 0.6                    | 1    | 0.12                  |
| SBJ-2010-40  | 10                      | 13   | 10 | 20 | 76  | 32             | 44             | TB..0601     | M2-5.0-2.7-60   | T6           | 0.6                    | 1    | 0.10                  |
| SBJ-2012-53  | 12                      | 17   | 12 | 20 | 85  | 32             | 53             | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 1    | 0.13                  |
| SBJ-2016-68  | 16                      | 21   | 16 | 20 | 100 | 32             | 68             | TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 1    | 0.18                  |
| SBJ-2020-83  | 20                      | 125  | 20 | 20 | 115 | 32             | 83             | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 1    | 0.25                  |
| SBJ-2025-96  | 25                      | 130  | 25 | 20 | 135 | 32             | 96             | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 1    | 0.30                  |
| SBJ-2030-115 | 30                      | 135  | 30 | 20 | 158 | 32             | 115            | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 1    | 0.59                  |
| SBJ-L20-20   | 120                     | 280  | 28 | 20 | 97  | 83.5           | 13.5           | TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    | 2    | 0.28                  |



Fig.1



Fig.2



Fig.3



Fig.4

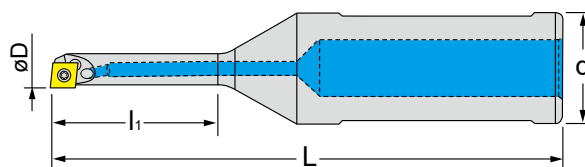
| 規格<br>Spec. | 內容物 Contents |                              |                                                                                               |                                                                                                |                        |           | Fig. | 重量<br>(KGS)<br>Weight |
|-------------|--------------|------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------|-----------|------|-----------------------|
|             | 刀具<br>Tools  | 刀片<br>Insert                 |  螺絲<br>Screw |  扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 數量<br>Qty |      |                       |
| SBJ-10-SET  | SBJ-1008-32  | TBGH060104L<br>RM4030(10 片 ) | M2-5.0-2.7-60                                                                                 | T6K                                                                                            | 0.6                    | 1         | 1    | 1.39                  |
|             | SBJ-1010-40  |                              |                                                                                               |                                                                                                |                        |           |      |                       |
|             | SBJ-1012-45  | TPGH090204L<br>RM4030(10 片 ) | M2.5-6.0-3.5-60                                                                               | T8K                                                                                            | 1.2                    |           |      |                       |
|             | SBJ-1016-45  |                              |                                                                                               |                                                                                                |                        |           |      |                       |
|             | SBJ-1020-45  |                              |                                                                                               |                                                                                                |                        |           |      |                       |

| 規格<br>Spec. | 內容物 Contents |                              |                                                                                                 |                                                                                                  |                        |           | Fig. | 重量<br>(KGS)<br>Weight |
|-------------|--------------|------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------|-----------|------|-----------------------|
|             | 刀具<br>Tools  | 刀片<br>Insert                 |  螺絲<br>Screw |  扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 數量<br>Qty |      |                       |
| SBJ-12-SET  | SBJ-1208-32  | TBGH060104L<br>RM4030(10 片 ) | M2-5.0-2.7-60                                                                                   | T6K                                                                                              | 0.6                    | 1         | 2    | 1.45                  |
|             | SBJ-1210-40  |                              |                                                                                                 |                                                                                                  |                        |           |      |                       |
|             | SBJ-1212-45  | TPGH090204L<br>RM4030(10 片 ) | M2.5-6.0-3.5-60                                                                                 | T8K                                                                                              | 1.2                    |           |      |                       |
|             | SBJ-1216-45  |                              |                                                                                                 |                                                                                                  |                        |           |      |                       |
|             | SBJ-1220-45  |                              |                                                                                                 |                                                                                                  |                        |           |      |                       |

| 規格<br>Spec. | 內容物 Contents |                              |                                                                                                 |                                                                                                  |                        |           | Fig. | 重量<br>(KGS)<br>Weight |
|-------------|--------------|------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------|-----------|------|-----------------------|
|             | 刀具<br>Tools  | 刀片<br>Insert                 |  螺絲<br>Screw |  扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 數量<br>Qty |      |                       |
| SBJ-16-SET  | SBJ-1608-32  | TBGH060104L<br>RM4030(10 片 ) | M2-5.0-2.7-60                                                                                   | T6K                                                                                              | 0.6                    | 1         | 3    | 2.7                   |
|             | SBJ-1610-40  |                              |                                                                                                 |                                                                                                  |                        |           |      |                       |
|             | SBJ-1612-53  | TPGH090204L<br>RM4030(10 片 ) | M2.5-6.0-3.5-60                                                                                 | T8K                                                                                              | 1.2                    |           |      |                       |
|             | SBJ-1616-68  |                              |                                                                                                 |                                                                                                  |                        |           |      |                       |
|             | SBJ-1620-83  | TPGH110304L<br>RM4030(10 片 ) | M3-8.0-4.0-43                                                                                   | T9K                                                                                              | 1.4                    |           |      |                       |
|             | SBJ-1625-90  |                              |                                                                                                 |                                                                                                  |                        |           |      |                       |
|             | SBJ-1630-90  |                              |                                                                                                 |                                                                                                  |                        |           |      |                       |
|             | SBJ-1640-90  |                              |                                                                                                 |                                                                                                  |                        |           |      |                       |

| 規格<br>Spec. | 內容物 Contents |                             |                                                                                                    |                                                                                                     |                        |           | Fig. | 重量<br>(KGS)<br>Weight |
|-------------|--------------|-----------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------|-----------|------|-----------------------|
|             | 刀具<br>Tools  | 刀片<br>Insert                | <br>螺絲<br>Screw | <br>扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 數量<br>Qty |      |                       |
| SBJ-20-SET  | SBJ-2008-32  | TBGH060104L<br>RM4030(10 片) | M2-5.0-2.7-60                                                                                      | T6K                                                                                                 | 0.6                    | 1         | 4    | 3.02                  |
|             | SBJ-2010-40  |                             |                                                                                                    |                                                                                                     |                        |           |      |                       |
|             | SBJ-2012-53  | TPGH090204L<br>RM4030(10 片) | M2.5-6.0-3.5-60                                                                                    | T8K                                                                                                 | 1.2                    |           |      |                       |
|             | SBJ-2016-68  |                             |                                                                                                    |                                                                                                     |                        |           |      |                       |
|             | SBJ-2020-83  | TPGH110304L<br>RM4030(10 片) | M3-8.0-4.0-43                                                                                      | T9K                                                                                                 | 1.4                    |           |      |                       |
|             | SBJ-2025-96  |                             |                                                                                                    |                                                                                                     |                        |           |      |                       |
|             | SBJ-2030-115 |                             |                                                                                                    |                                                                                                     |                        |           |      |                       |
|             | SBJ-L20-20   |                             |                                                                                                    |                                                                                                     |                        |           |      |                       |

· 長度單位 Unit of Length (mm)



### 特點 Feature

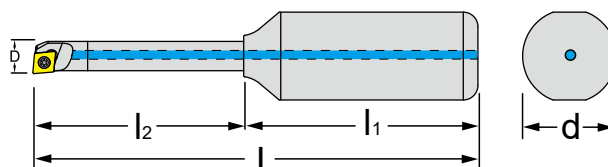
- 可使用於 HBOR 及 SBJ16 精搪孔頭上
- 附中心出水孔

- Available to install in HBOR/SBJ boring head.
- With through coolant hole.

| 規格<br>Spec.    | ØD 搪孔範圍 Boring Range |      | L   | l <sub>1</sub> | d  | 刀片<br>Insert | 重量<br>(KGS)<br>Weight |
|----------------|----------------------|------|-----|----------------|----|--------------|-----------------------|
|                | Min.                 | Max. |     |                |    |              |                       |
| CBJ-1606-24-C  | 6                    | 9    | 73  | 24             | 16 | CC..03S1     | 0.09                  |
| CBJ-1608-32 -C | 8                    | 11   | 78  | 32             | 16 | CC..04T0     | 0.09                  |
| CBJ-1610-40-C  | 10                   | 13   | 86  | 40             | 16 | CC..0602     | 0.10                  |
| CBJ-1612-53-C  | 12                   | 17   | 99  | 53             | 16 | CC..0602     | 0.10                  |
| CBJ-1616-68-C  | 16                   | 21   | 114 | 68             | 16 | CC..0602     | 0.15                  |
| CBJ-1620-83-C  | 20                   | 26   | 122 | 83             | 16 | CC..09T3     | 0.19                  |
| CBJ-1625-90-C  | 25                   | 32   | 129 | 90             | 16 | CC..09T3     | 0.20                  |
| CBJ-1630-90-C  | 30                   | 40   | 129 | 90             | 16 | CC..09T3     | 0.28                  |
| CBJ-1640-90-C  | 40                   | 50   | 129 | 90             | 16 | CC..09T3     | 0.40                  |

### 配件表 Accessories

| 刀片<br>Insert | 螺絲<br><br>Screw | 扳手<br><br>Wrench | 扭力值<br>(N.m)<br>Torque |
|--------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------|
| CC..03S1     | M1.8-4.0-2.5-54                                                                                    | T6                                                                                                   | 0.6                    |
| CC..04T0     | M2.2-4.7-3.1-60                                                                                    | T7                                                                                                   | 0.9                    |
| CC..0602     | M2.5-6.0-3.5-60                                                                                    | T8                                                                                                   | 1.2                    |
| CC..09T3     | M4-8.0-5.7-60                                                                                      | T9                                                                                                   | 1.4                    |



### 特點 Feature

- 使用碳化鎢鋼材質，加工深度可達直徑的數倍
- 高剛性，延長使用刀片壽命
- 抗震性佳，加工後搪孔尺寸穩定

- The use carbon tungsten steel material quality, the working depth may reach the diameter the several-fold.
- High rigidity, extend use bit life.
- The vibration resistance quality is good, after the processing, the boring size is stable.

## Dx5

| 規格<br>Spec.    | L   | l <sub>1</sub> | l <sub>2</sub> | D   | d  | øD 搪孔範圍<br>Boring Range |      | 刀 片<br>Insert | 重量<br>(KGS)<br>Weight |
|----------------|-----|----------------|----------------|-----|----|-------------------------|------|---------------|-----------------------|
|                |     |                |                |     |    | Min.                    | Max. |               |                       |
| CSBJ-1605-28-C | 68  | 40             | 28             | 5.6 | 16 | 5.6                     | 8    | CC..03S1      | 0.06                  |
| CSBJ-1606-30-C | 70  | 40             | 30             | 6   | 16 | 6                       | 9    | CC..03S1      | 0.07                  |
| CSBJ-1608-40-C | 80  | 40             | 40             | 8   | 16 | 8                       | 11   | TB..0601      | 0.07                  |
| CSBJ-1610-50-C | 90  | 40             | 50             | 10  | 16 | 10                      | 13   | TB..0601      | 0.10                  |
| CSBJ-1612-60-C | 100 | 40             | 60             | 12  | 16 | 12                      | 15   | TP..0902      | 0.13                  |
| CSBJ-1614-70-C | 110 | 40             | 70             | 14  | 16 | 14                      | 17   | TP..0902      | 0.18                  |
| CSBJ-1616-80-C | 120 | 40             | 80             | 16  | 16 | 16                      | 19   | TP..1103      | 0.25                  |
| CSBJ-1618-90-C | 130 | -              | -              | 18  | 16 | 18                      | 21   | TP..1103      | 0.33                  |

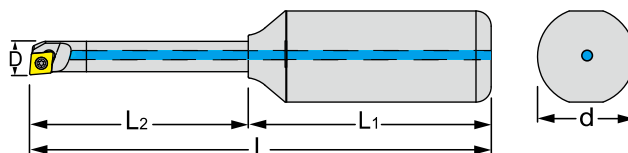
## Dx6

| 規格<br>Spec.     | L   | l <sub>1</sub> | l <sub>2</sub> | D   | d  | øD 搪孔範圍<br>Boring Range |      | 刀 片<br>Insert | 重量<br>(KGS)<br>Weight |
|-----------------|-----|----------------|----------------|-----|----|-------------------------|------|---------------|-----------------------|
|                 |     |                |                |     |    | Min.                    | Max. |               |                       |
| CSBJ-1605-34-C  | 74  | 40             | 34             | 5.6 | 16 | 5.6                     | 8    | CC..03S1      | 0.06                  |
| CSBJ-1606-36-C  | 76  | 40             | 36             | 6   | 16 | 6                       | 9    | CC..03S1      | 0.07                  |
| CSBJ-1608-48-C  | 88  | 40             | 48             | 8   | 16 | 8                       | 11   | TB..0601      | 0.08                  |
| CSBJ-1610-60-C  | 100 | 40             | 60             | 10  | 16 | 10                      | 13   | TB..0601      | 0.10                  |
| CSBJ-1612-72-C  | 112 | 40             | 72             | 12  | 16 | 12                      | 15   | TP..0902      | 0.15                  |
| CSBJ-1614-84-C  | 124 | 40             | 84             | 14  | 16 | 14                      | 17   | TP..0902      | 0.20                  |
| CSBJ-1616-96-C  | 136 | 40             | 96             | 16  | 16 | 16                      | 19   | TP..1103      | 0.28                  |
| CSBJ-1618-108-C | 148 | -              | -              | 18  | 16 | 18                      | 21   | TP..1103      | 0.38                  |

### 配件表 Accessories

| 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque |
|--------------|-----------------|--------------|------------------------|
| CC..03S1     | M1.8-4.0-2.5-54 | T6           | 0.6                    |
| TB..0601     | M2-5.0-2.7-60   | T6           | 0.6                    |
| TP..0902     | M2.5-6.0-3.5-60 | T8           | 1.2                    |
| TP..1103     | M3-8.0-4.0-43   | T9           | 1.4                    |

· 長度單位 Unit of Length (mm)



### 特點 Feature

- 使用碳化鎢鋼材質，加工深度可達直徑的數倍
- 高剛性，延長使用刀片壽命
- 抗震性佳，加工後搪孔尺寸穩定

- The use carbon tungsten steel material quality, the working depth may reach the diameter the several-fold.
- High rigidity, extend use bit life.
- The vibration resistance quality is good, after the processing, the boring size is stable.

## Dx5

| 規格<br>Spec.    | D   | d  | L   | L <sub>1</sub> | L <sub>2</sub> | øD 搪孔範圍<br>Boring Range |      | 刀片<br>Insert | 重量<br>(KGS)<br>Weight |
|----------------|-----|----|-----|----------------|----------------|-------------------------|------|--------------|-----------------------|
|                |     |    |     |                |                | Min.                    | Max. |              |                       |
| CSBJ-1605-28-C | 5.6 | 16 | 68  | 40             | 28             | 5.6                     | 8    | CC..03S1     | 0.06                  |
| CSBJ-1606-30-C | 6   | 16 | 70  | 40             | 30             | 6                       | 9    | CC..03S1     | 0.07                  |
| CCBJ-1608-40-C | 8   | 16 | 80  | 40             | 40             | 8                       | 11   | CC..03S1     | 0.07                  |
| CCBJ-1610-50-C | 10  | 16 | 90  | 40             | 50             | 10                      | 13   | CC..0602     | 0.10                  |
| CCBJ-1612-60-C | 12  | 16 | 100 | 40             | 60             | 12                      | 15   | CC..0602     | 0.13                  |
| CCBJ-1614-70-C | 14  | 16 | 110 | 40             | 70             | 14                      | 17   | CC..09T3     | 0.18                  |
| CCBJ-1616-80-C | 16  | 16 | 120 | 40             | 80             | 16                      | 19   | CC..09T3     | 0.25                  |
| CCBJ-1618-90-C | 18  | 16 | 130 | -              | -              | 18                      | 21   | CC..09T3     | 0.33                  |

## Dx6

| 規格<br>Spec.     | D   | d  | L   | L <sub>1</sub> | L <sub>2</sub> | øD 搪孔範圍<br>Boring Range |      | 刀片<br>Insert | 重量<br>(KGS)<br>Weight |
|-----------------|-----|----|-----|----------------|----------------|-------------------------|------|--------------|-----------------------|
|                 |     |    |     |                |                | Min.                    | Max. |              |                       |
| CSBJ-1605-34-C  | 5.6 | 16 | 74  | 40             | 34             | 5.6                     | 8    | CC..03S1     | 0.06                  |
| CSBJ-1606-36-C  | 6   | 16 | 76  | 40             | 36             | 6                       | 9    | CC..03S1     | 0.07                  |
| CCBJ-1608-48-C  | 8   | 16 | 88  | 40             | 48             | 8                       | 11   | CC..03S1     | 0.08                  |
| CCBJ-1610-60-C  | 10  | 16 | 100 | 40             | 60             | 10                      | 13   | CC..0602     | 0.10                  |
| CCBJ-1612-72-C  | 12  | 16 | 112 | 40             | 72             | 12                      | 15   | CC..0602     | 0.15                  |
| CCBJ-1614-84-C  | 14  | 16 | 124 | 40             | 84             | 14                      | 17   | CC..09T3     | 0.20                  |
| CCBJ-1616-96-C  | 16  | 16 | 136 | 40             | 96             | 16                      | 19   | CC..09T3     | 0.28                  |
| CCBJ-1618-108-C | 18  | 16 | 148 | -              | -              | 18                      | 21   | CC..09T3     | 0.38                  |

### 配件表 Accessories

| 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque |
|--------------|-----------------|--------------|------------------------|
| CC..03S1     | M1.8-4.0-2.5-54 | T6           | 0.6                    |
| CC..0602     | M2.5-6.0-3.5-60 | T8           | 1.2                    |
| CC..09T3     | M4-8.0-5.7-60   | T15          | 3.0                    |

· 長度單位 Unit of Length (mm)





Fig.1



Fig.2



Fig.3



Fig.4

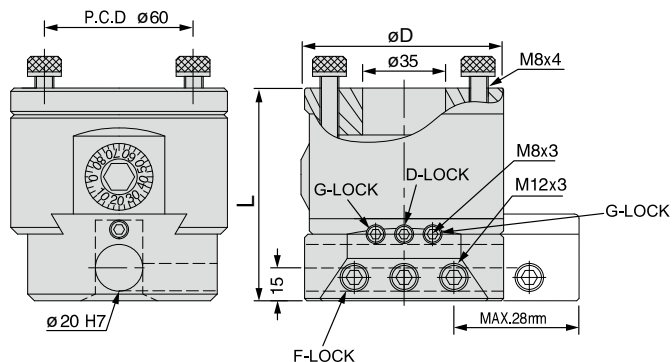
| 規格<br>Spec.      | 內容物 Contents   |                                |                                                                                               |                                                                                                |                     |        | Fig. | 重量<br>(KGS)<br>Weight |
|------------------|----------------|--------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------|--------|------|-----------------------|
|                  | 刀具 Tools       | 刀片 Insert                      | 螺絲 Screw<br> | 扳手 Wrench<br> | 扭力值 (N.m)<br>Torque | 數量 Qty |      |                       |
| CSBJ16-C Dx5-SET | CSBJ-1605-28-C | CCGT03S104L-F<br>RM4015(10 片 ) | M1.8-4.0-2.5-54                                                                               | T6K                                                                                            | 0.6                 | 1      | 1    | 2.16                  |
|                  | CSBJ-1606-30-C |                                |                                                                                               |                                                                                                |                     |        |      |                       |
|                  | CSBJ-1608-40-C | TBGT060104L<br>RM4030(10 片 )   | M2-5.0-2.7-60                                                                                 |                                                                                                |                     |        |      |                       |
|                  | CSBJ-1610-50-C |                                |                                                                                               |                                                                                                |                     |        |      |                       |
|                  | CSBJ-1612-60-C | TPGT090204L<br>RM4030(10 片 )   | M2.5-6.0-3.5-60                                                                               | T8K                                                                                            | 1.2                 |        |      |                       |
|                  | CSBJ-1614-70-C |                                |                                                                                               |                                                                                                |                     |        |      |                       |
|                  | CSBJ-1616-80-C | TPGT110304L<br>RM4030(10 片 )   | M3-8.0-4.0-43                                                                                 | T9K                                                                                            | 1.4                 |        |      |                       |
|                  | CSBJ-1618-90-C |                                |                                                                                               |                                                                                                |                     |        |      |                       |

| 規格<br>Spec.      | 內容物 Contents    |                                |                                                                                                 |                                                                                                  |                     |        | Fig. | 重量<br>(KGS)<br>Weight |
|------------------|-----------------|--------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------|--------|------|-----------------------|
|                  | 刀具 Tools        | 刀片 Insert                      | 螺絲 Screw<br> | 扳手 Wrench<br> | 扭力值 (N.m)<br>Torque | 數量 Qty |      |                       |
| CSBJ16-C Dx6-SET | CSBJ-1605-34-C  | CCGT03S104L-F<br>RM4015(10 片 ) | M1.8-4.0-2.5-54                                                                                 | T6K                                                                                              | 0.6                 | 1      | 2    | 2.16                  |
|                  | CSBJ-1606-36-C  |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |
|                  | CSBJ-1608-48-C  | TBGT060104L<br>RM4030(10 片 )   | M2-5.0-2.7-60                                                                                   |                                                                                                  |                     |        |      |                       |
|                  | CSBJ-1610-60-C  |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |
|                  | CSBJ-1612-72-C  | TPGT090204L<br>RM4030 (10 片 )  | M2.5-6.0-3.5-60                                                                                 | T8K                                                                                              | 1.2                 |        |      |                       |
|                  | CSBJ-1614-84-C  |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |
|                  | CSBJ-1616-96-C  | TPGT110304L<br>RM4030(10 片 )   | M3-8.0-4.0-43                                                                                   | T9K                                                                                              | 1.4                 |        |      |                       |
|                  | CSBJ-1618-108-C |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |

| 規格<br>Spec.      | 內容物 Contents   |                                |                                                                                                 |                                                                                                  |                     |        | Fig. | 重量<br>(KGS)<br>Weight |
|------------------|----------------|--------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------|--------|------|-----------------------|
|                  | 刀具 Tools       | 刀片 Insert                      | 螺絲 Screw<br> | 扳手 Wrench<br> | 扭力值 (N.m)<br>Torque | 數量 Qty |      |                       |
| CCBJ16-C Dx5-SET | CSBJ-1605-28-C | CCGT03S104L-F<br>RM4015(10 片 ) | M1.8-4.0-2.5-54                                                                                 | T6K                                                                                              | 0.6                 | 1      | 3    | 2.16                  |
|                  | CSBJ-1606-30-C |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |
|                  | CCBJ-1608-40-C | CCMT060204-M01<br>RM425(10 片 ) | M2.5-6.0-3.5-60                                                                                 | T8K                                                                                              | 1.2                 |        |      |                       |
|                  | CCBJ-1610-50-C |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |
|                  | CCBJ-1612-60-C | CCMT09T304-M01<br>RM425(10 片 ) | M4-8.0-5.7-60                                                                                   | T15K                                                                                             | 3.0                 |        |      |                       |
|                  | CCBJ-1614-70-C |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |
|                  | CCBJ-1616-80-C |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |
| CCBJ-1618-90-C   |                |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |

| 規格<br>Spec.      | 內容物 Contents   |                                |                                                                                                 |                                                                                                  |                     |        | Fig. | 重量<br>(KGS)<br>Weight |
|------------------|----------------|--------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------|--------|------|-----------------------|
|                  | 刀具 Tools       | 刀片 Insert                      | 螺絲 Screw<br> | 扳手 Wrench<br> | 扭力值 (N.m)<br>Torque | 數量 Qty |      |                       |
| CCBJ16-C Dx6-SET | CSBJ-1605-34-C | CCGT03S104L-F<br>RM4015(10 片 ) | M1.8-4.0-2.5-54                                                                                 | T6K                                                                                              | 0.6                 | 1      | 4    | 3.2                   |
|                  | CSBJ-1606-36-C |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |
|                  | CCBJ-1608-48-C | CCMT060204-M01<br>RM425(10 片 ) | M2.5-6.0-3.5-60                                                                                 | T8K                                                                                              | 1.2                 |        |      |                       |
|                  | CCBJ-1610-60-C |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |
|                  | CCBJ-1612-72-C | CCMT09T304-M01<br>RM425(10 片 ) | M4-8.0-5.7-60                                                                                   | T15K                                                                                             | 3.0                 |        |      |                       |
|                  | CCBJ-1614-84-C |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |
|                  | CCBJ-1616-96-C |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |
| CCBJ-1618-108-C  |                |                                |                                                                                                 |                                                                                                  |                     |        |      |                       |

· 長度單位 Unit of Length (mm)



搪孔範圍  
 $\varnothing 8 \sim 280$   
Boring Range

精度  
0.01mm  
Accuracy

最高轉速  
8000  
Max. rpm

| 規格<br>Spec. | $\varnothing D$ 搪孔範圍 Boring Range |      | 微調行程<br>Stroke | 精度<br>Win Feed | 刀具孔徑<br>Tooling Dia | 組合刀柄<br>Holder | L  | D  | 重量<br>(KGS)<br>Weight |
|-------------|-----------------------------------|------|----------------|----------------|---------------------|----------------|----|----|-----------------------|
|             | Min.                              | Max. |                |                |                     |                |    |    |                       |
| NBH2084S    | 8                                 | 280  | 28             | 0.01           | $\varnothing 20$    | NBH            | 83 | 84 | 3.26                  |



BT/NT 粗 / 精搪孔頭刀桿  
BT/NT Boring Head Shank

NBH2084S 精密搪孔頭  
NBH2084S Precision Boring Head



SBJ-20 替換式搪孔刀柄  
SBJ-20 Interchangeable Boring Cutter

### 選配表 Option

| 刀桿 Shank  |      | 搪刀 Cutter |
|-----------|------|-----------|
|           |      |           |
| B698-B700 | B706 | B747      |

· 長度單位 Unit of Length (mm)



Fig.1



Fig.2



Fig.3



Fig.4

| 規格<br>Spec.          | 內容物 Contents          |             |                                                                                                  |                                                                                                   |                        |                                                                                                   |           | Fig. | 重量<br>(KGS)<br>Weight |
|----------------------|-----------------------|-------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------|-----------|------|-----------------------|
|                      | 搪刀頭<br>Boring<br>Head | 刀具<br>Tools | 螺絲<br><br>Screw | 扳手<br><br>Wrench | 扭力值<br>(N.m)<br>Torque | 扳手<br><br>Wrench | 數量<br>Qty |      |                       |
| NT30-NBH2084S-3P-SET | NBH2084S              | SBJ-2012-53 | M2.5-6.0-3.5-60                                                                                  | T8K                                                                                               | 1.2                    | PT4                                                                                               | 1         | 1    | 6.20                  |
| NT40-NBH2084S-3P-SET |                       |             |                                                                                                  |                                                                                                   |                        |                                                                                                   |           |      | 6.60                  |
| NT50-NBH2084S-3P-SET |                       | SBJ-2025-96 | M3-8.0-4.0-43                                                                                    | T9K                                                                                               | 1.4                    | PT6                                                                                               |           |      | 8.90                  |
| BT40-NBH2084S-3P-SET |                       |             |                                                                                                  |                                                                                                   |                        |                                                                                                   |           |      | 8.00                  |
| BT50-NBH2084S-3P-SET |                       |             |                                                                                                  |                                                                                                   |                        |                                                                                                   |           |      | SBJ-L20-20            |

| 規格<br>Spec.          | 內容物 Contents          |             |                              |                                                                                                    |                                                                                                     |                        |                                                                                                       | Fig. | 重 量<br>(KGS)<br>Weight |           |
|----------------------|-----------------------|-------------|------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------|------|------------------------|-----------|
|                      | 搪刀頭<br>Boring<br>Head | 刀具<br>Tools | 刀片<br>Insert                 | 螺絲<br><br>Screw | 扳手<br><br>Wrench | 扭力值<br>(N.m)<br>Torque | 扳手<br><br>Wrench |      |                        | 數量<br>Qty |
| NT30-NBH2084S-3P-SET | NBH2084S              | SBJ-2012-53 | TPGT090204L<br>RM4030(10 片 ) | M2.5-6.0-3.5-60                                                                                    | T8K                                                                                                 | 1.2                    | PT4                                                                                                   | 1    | 2                      | 6.40      |
| NT40-NBH2084S-3P-SET |                       |             |                              |                                                                                                    |                                                                                                     |                        |                                                                                                       |      |                        | 6.80      |
| NT50-NBH2084S-3P-SET |                       | SBJ-2025-96 | TPGT110304L<br>RM4030(10 片 ) | M3-8.0-4.0-43                                                                                      | T9K                                                                                                 | 1.4                    | PT6                                                                                                   |      |                        | 9.10      |
| BT40-NBH2084S-3P-SET |                       |             |                              |                                                                                                    |                                                                                                     |                        |                                                                                                       |      |                        |           |
| BT50-NBH2084S-3P-SET |                       | SBJ-L20-20  |                              |                                                                                                    |                                                                                                     |                        |                                                                                                       |      |                        | 10.1      |

| 規格<br>Spec.          | 內容物 Contents          |              |                                                                                                    |                                                                                                     |                        |                                                                                                     |           | Fig. | 重 量<br>(KGS)<br>Weight |
|----------------------|-----------------------|--------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------|-----------|------|------------------------|
|                      | 搪刀頭<br>Boring<br>Head | 刀具<br>Tools  | 螺絲<br><br>Screw | 扳手<br><br>Wrench | 扭力值<br>(N.m)<br>Torque | 扳手<br><br>Wrench | 數量<br>Qty |      |                        |
| NT30-NBH2084S-8P-SET | NBH2084S              | SBJ-2008-32  | M2-5.0-2.7-60                                                                                      | T6K                                                                                                 | 0.6                    | PT4                                                                                                 | 1         | 3    | 7.30                   |
| NT40-NBH2084S-8P-SET |                       | SBJ-2010-40  |                                                                                                    |                                                                                                     |                        |                                                                                                     |           |      | 7.70                   |
| NT50-NBH2084S-8P-SET |                       | SBJ-2012-53  | M2.5-6.0-3.5-60                                                                                    | T8K                                                                                                 | 1.2                    |                                                                                                     |           |      | 10.0                   |
| BT40-NBH2084S-8P-SET |                       | SBJ-2016-68  |                                                                                                    |                                                                                                     |                        |                                                                                                     |           |      | 8.70                   |
| BT50-NBH2084S-8P-SET |                       | SBJ-2020-83  | M3-8.0-4.0-43                                                                                      | T9K                                                                                                 | 1.4                    | PT6                                                                                                 |           |      | 11.19                  |
|                      |                       | SBJ-2025-96  |                                                                                                    |                                                                                                     |                        |                                                                                                     |           |      | -                      |
|                      |                       | SBJ-2030-115 |                                                                                                    |                                                                                                     |                        |                                                                                                     |           |      | -                      |
|                      |                       | SBJ-L20-20   |                                                                                                    |                                                                                                     |                        |                                                                                                     |           |      | -                      |

| 規格<br>Spec.          | 內容物 Contents          |              |                                  |                                                                                                    |                                                                                                     |                        |                                                                                                       |           | Fig. | 重 量<br>(KGS)<br>Weight |
|----------------------|-----------------------|--------------|----------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------|-----------|------|------------------------|
|                      | 搪刀頭<br>Boring<br>Head | 刀具<br>Tools  | 刀片<br>Insert                     | <br>螺絲<br>Screw | <br>扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | <br>扳手<br>Wrench | 數量<br>Qty |      |                        |
| NT30-NBH2084S-8P-SET | NBH2084S              | SBJ-2008-32  | TBGT060102L<br>RM4030<br>(10 片 ) | M2-5.0-2.7-60                                                                                      | T6K                                                                                                 | 0.6                    | PT4                                                                                                   | 1         | 4    | 7.50                   |
| NT40-NBH2084S-8P-SET |                       | SBJ-2010-40  |                                  |                                                                                                    |                                                                                                     |                        |                                                                                                       |           |      | 7.80                   |
| NT50-NBH2084S-8P-SET |                       | SBJ-2012-53  | TPGT090204L<br>RM4030<br>(10 片 ) | M2.5-6.0-3.5-60                                                                                    | T8K                                                                                                 | 1.2                    |                                                                                                       |           |      | 10.2                   |
| BT40-NBH2084S-8P-SET |                       | SBJ-2016-68  |                                  |                                                                                                    |                                                                                                     |                        | 9.00                                                                                                  |           |      |                        |
| BT50-NBH2084S-8P-SET |                       | SBJ-2020-83  |                                  |                                                                                                    |                                                                                                     |                        | 11.19                                                                                                 |           |      |                        |
|                      |                       | SBJ-2025-96  | TPGT110304L<br>RM4030<br>(10 片 ) | M3-8.0-4.0-43                                                                                      | T9K                                                                                                 | 1.4                    | PT6                                                                                                   |           |      | -                      |
|                      |                       | SBJ-2030-115 |                                  |                                                                                                    |                                                                                                     |                        | -                                                                                                     |           |      |                        |
|                      |                       | SBJ-L20-20   |                                  |                                                                                                    |                                                                                                     |                        | -                                                                                                     |           |      |                        |

· 長度單位 Unit of Length (mm)



# Damping

## 減震模組化示意圖

## Modular combination

### 車削TURNING

一體式  
Solid



DP/STUPR一體式減震車刀架  
Vibration -damped Boring Bar With Coolant

BM 模組化系列  
BM Modular Series



BM模組化高硬度減震車刀柄  
Modular Vibration-damped Boring Bar



BM模組化高硬度大柄徑減震車刀柄  
Modular Vibration-damped Boring Bar



BM模組化鎢鋼減震車刀柄  
Modular Vibration-damped Carbide Boring Bar



BM/SCLCR, STUCR, SNR  
BM/SDUCR, STUPR, SVUCR  
BM/MCLNR, MTUNR

DPFSCK模組化系列  
DPFSCK Modular Series



DPFSCK模組化減震車刀柄  
Modular Vibration -damped Boring Bar Shank



FSCK/SCLC, SCLP, SCKC, SDZC  
FSCK/SDUC, STFC, STUC, STUP  
FSCK/SVJC, MCLN, MTUN, SDQC  
FSCK/SSSC, SVUC, SIR, DGIR

### 平面銑削FACE MILLING



FDP減震銑刀桿  
Damping Face Mill Arbor



HR圓刃殼型銑刀  
Round Corner End Milling Cutter



BGP迷你殼型銑刀  
Face Milling Cutter



IFM殼型銑刀  
Face Milling Cutter



GR圓刃殼型銑刀  
Round Corner End Milling Cutter



SFM殼型銑刀  
Face Milling Cutter



KM45°殼型銑刀  
Face Milling Cutter



KFM殼型銑刀  
Face Milling Cutter

# 搪孔Boring

## 樣式1 Type1

(DX6)



MCK搪孔頭刀柄  
Boring Head Shank



CK搪孔頭刀柄  
Boring Head Shank



SCK/DP 減震延長桿  
Damping Extension



SMB超微米精搪頭  
SMB Super Micron Exchangeable  
Finish Boring Head

## 樣式2 Type2

(DX6)



CK / DP搪孔頭刀柄  
Boring Head Shank



SMB超微米精搪頭  
SMB Super Micron Exchangeable  
Finish Boring Head

## 樣式3 Type3

(DX8)



MCK搪孔頭刀柄  
Boring Head Shank



CK搪孔頭刀柄  
Boring Head Shank



SBT/MLK法蘭加厚型(雙面拘束)  
強力銑削夾頭  
Dual DRIVE Force Collet Chuck



SCK延長桿  
Anti-Vibration Extension



SCK直柄碳化鎢鋼搪孔頭刀桿  
Straight Carbide Boring Shank



CBH / DP減震精搪頭  
Damping Finish Boring Head

## 樣式4 Type4

(DX8)



HSK/PSC套筒  
HSK/PSC Adapter



SBT/PSC套筒  
SBT/PSC Adapter



DAT/PSC套筒  
DAT/PSC Adapter



PSC等徑套筒  
PSC Adapter For Same Dia.



PSC異徑套筒  
Adapter For Different Dia.



PSC/PMB減震精密微調搪頭  
Submicron Finish Boring Head



# Feature



## DP減震系列特點

### Features of DP Anti-Vibration Series



本產品應用在加工深度為柄徑的4~8倍長效果最好。減震器與搪孔頭的結合，一體式的結構，當搪孔加工時可與一般MCK/CK刀桿結合，得到更大的加工有效長與更好的加工表面精度。

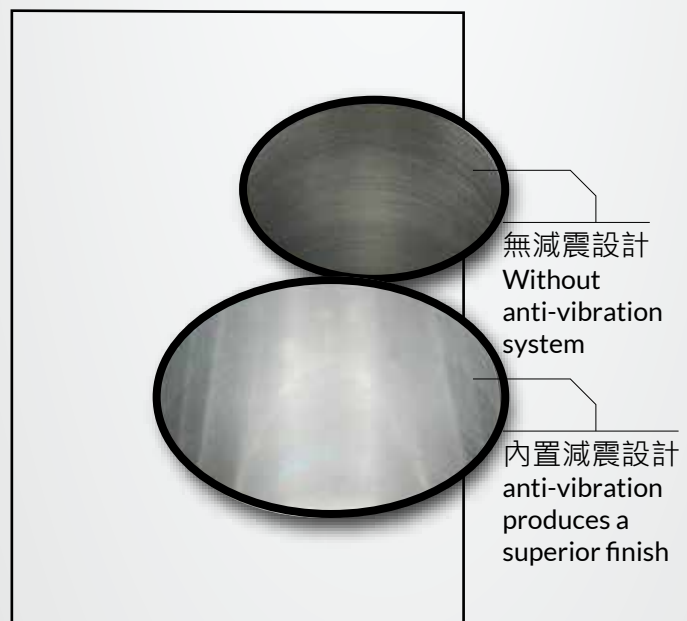
具有多種規格，所有規格均具有中心出水功能。

使用雙邊對稱定位接合，可使減震效果更好。

For most efficient results use for 4D~8D machining. Adjust the scale of each grid to a diameter of 0.002mm. The integrated damper and extension with generic MCK/CK arbors achieve wider cuts and better accuracy.

No matter the specifications or the desired function the coolant runs through the spindle.

The bilateral symmetry joint allows for almost zero vibration.



使用減震系列產品，對於長懸伸刀具加工時，可有效改善工件表面粗糙度、提高金屬切除率、延長刀具使用壽命。

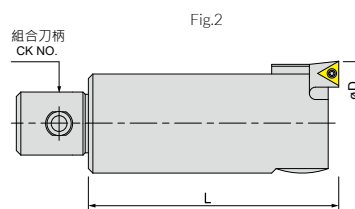
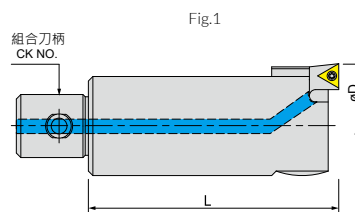
The CBH/DP is most efficient cutting deeply. It enhances the workpiece's surface finish and has a longer life.

# Anti-Vibration





|                                  |                          |                          |
|----------------------------------|--------------------------|--------------------------|
| 搪孔範圍<br>ø 20-152<br>Boring Range | 精度<br>0.01mm<br>Accuracy | 最高轉速<br>6000<br>Max. rpm |
|----------------------------------|--------------------------|--------------------------|

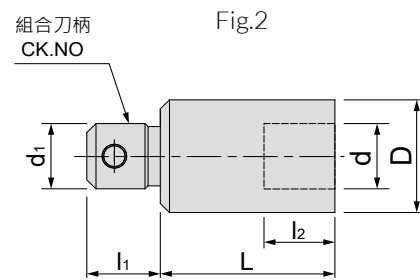
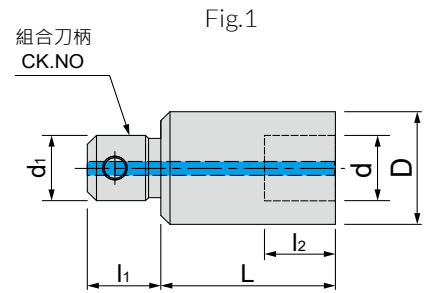


| 規格<br>Spec.             | øD 搪孔範圍<br>Boring Range |      | 組合刀柄<br>Ck No. | L   | 使用刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight | Fig. |
|-------------------------|-------------------------|------|----------------|-----|----------------|-----------------|--------------|------------------------|-----------------------|------|
|                         | Min.                    | Max. |                |     |                |                 |              |                        |                       |      |
| CBH20DP-90L-TP08        | 20                      | 26   | CK1            | 90  | TP.0802        | M2-5.0-3.1-60   | T6           | 0.6                    | 0.22                  | 2    |
| CBH25DP-90L-TP08        | 25                      | 33   | CK2            | 90  | TP.0802        | M2-5.0-3.1-60   | T6           | 0.6                    | 0.39                  | 2    |
| CBH32DP-100L-TP08       | 32                      | 42   | CK3            | 100 | TP.0802        | M2-5.0-3.1-60   | T6           | 0.6                    | 0.71                  | 1    |
| CBH40DP-120L-TP08       | 40                      | 55   | CK4            | 120 | TP.0802        | M2-5.0-3.1-60   | T6           | 0.6                    | 1.27                  | 1    |
| CBH52DP-140L-TP08       | 52                      | 75   | CK5            | 140 | TP.0802        | M2-5.0-3.1-60   | T6           | 0.6                    | 2.72                  | 1    |
| CBH68DP-175L-TP08       | 68                      | 102  | CK6            | 175 | TP.0802        | M2-5.0-3.1-60   | T6           | 0.6                    | 5.70                  | 1    |
| CBH68DP-175L-TP09       | 68                      | 102  | CK6            | 175 | TP.0902        | M2.5-6.0-3.5-60 | T8           | 1.2                    | 5.70                  | 1    |
| CBH68DP-175L-TC11       | 68                      | 102  | CK6            | 175 | TC..1102       | M2.5-6.0-3.5-60 | T8           | 1.2                    | 5.70                  | 1    |
| CBH100DP-225L-CK7R-TP08 | 100                     | 152  | CK7R           | 225 | TP.0802        | M2.5-5.0-3.1-60 | T6           | -                      | 13.0                  | 1    |
| CBH100DP-225L-CK7R-TP09 | 100                     | 152  | CK7R           | 225 | TP.0902        | M2.5-6.0-3.5-60 | T8           | -                      | 13.0                  | 1    |
| CBH100DP-225L-CK7R-TC11 | 100                     | 152  | CK7R           | 225 | TC..1102       | M2.5-6.0-3.5-60 | T8           | -                      | 13.0                  | 1    |
| CBH150DP-225L-CK7R-TP08 | 150                     | 202  | CK7R           | 225 | TP.0802        | M2.5-5.0-3.1-60 | T6           | -                      | 15.0                  | 1    |
| CBH150DP-225L-CK7R-TP09 | 150                     | 202  | CK7R           | 225 | TP.0902        | M2.5-6.0-3.5-60 | T8           | -                      | 15.0                  | 1    |
| CBH150DP-225L-CK7R-TC11 | 150                     | 202  | CK7R           | 225 | TC..1102       | M2.5-6.0-3.5-60 | T8           | -                      | 15.0                  | 1    |
| CBH200DP-310L-CK7R-TP08 | 200                     | 310  | CK7R           | 310 | TP.0902        | M2.5-6.0-3.5-60 | T8           | -                      | 18.0                  | 1    |
| CBH200DP-310L-CK7R-TP09 | 200                     | 310  | CK7R           | 310 | TC..1102       | M2.5-6.0-3.5-60 | T8           | -                      | 18.0                  | 1    |
| CBH200DP-310L-CK7R-TC11 | 200                     | 310  | CK7R           | 310 | TP.0802        | M2.5-5.0-3.1-60 | T8           | -                      | 18.0                  | 1    |

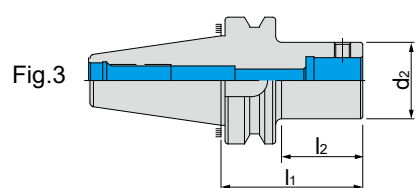
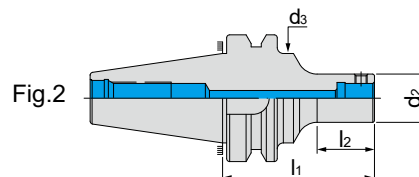
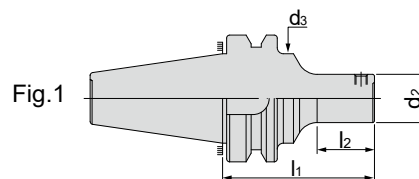
### 選配表 Option

| 刀桿 Shank  | 搪頭 Boring Head |      |
|-----------|----------------|------|
|           |                |      |
| B698-B700 | B727           | B730 |

· 長度單位 Unit of Length (mm)



| 規格<br>Spec.   | 組合刀柄<br>Ck No. | L   | l <sub>1</sub> | l <sub>2</sub> | D  | d  | d <sub>1</sub> | 適用搪孔頭<br>Suitable Boring Head | 重量<br>(KGS)<br>Weight | Fig. |
|---------------|----------------|-----|----------------|----------------|----|----|----------------|-------------------------------|-----------------------|------|
| SCK2DP-2-75L  | CK2            | 75  | 16             | 18             | 24 | 14 | 14             | CBH25/MBH25                   | 0.33                  | 2    |
| SCK3DP-3-100L | CK3            | 100 | 20             | 22             | 31 | 18 | 18             | CBH32/MBH32                   | 0.62                  | 1    |
| SCK4DP-4-120L | CK4            | 120 | 24             | 26             | 39 | 22 | 22             | CBH40/MBH40                   | 1.11                  | 1    |
| SCK5DP-5-130L | CK5            | 130 | 30             | 32             | 50 | 28 | 28             | CBH52/MBH52/FBH55             | 2.30                  | 1    |
| SCK6DP-6-170L | CK6            | 170 | 40             | 42             | 64 | 36 | 36             | CBH68/MBH68/FBH68             | 5.10                  | 1    |



### 6 倍長 6 Times Longer

| 規格 Spec.       | $l_1$ | $l_2$ | $d_2$ | $d_3$ | 適用搪孔頭 Suitable Boring Head | Fig. | 重量 (KGS) Weight |
|----------------|-------|-------|-------|-------|----------------------------|------|-----------------|
| BT40-CK2DP-150 | 150   | 110   | 24    | 39    | SMB25/SCK2430-C/SCK2940-C  | 1    | 2.94            |
| BT40-CK3DP-200 | 200   | 160   | 31    | 50    | SMB32/SCK3950-C            | 2    | -               |
| BT40-CK4DP-235 | 235   | 200   | 39    | 50    | SMB41/SCK4965-C            | 2    | 4.4             |
| BT40-CK5DP-310 | 310   | 280   | 50    | -     | SMB53/SCK6382-C            | 3    | -               |
| BT40-CK6DP-295 | 295   | 270   | 64    | -     | SMB68/SCK80102-C           | 3    | 9.7             |
| BT50-CK2DP-160 | 160   | 110   | 24    | 39    | SMB25/SCK2430-C/SCK2940-C  | 1    | -               |
| BT50-CK3DP-220 | 220   | 160   | 31    | 50    | SMB32/SCK3950-C            | 2    | 6.5             |
| BT50-CK4DP-260 | 260   | 205   | 39    | 64    | SMB41/SCK4965-C            | 2    | 7.42            |
| BT50-CK5DP-310 | 310   | 265   | 50    | 64    | SMB53/SCK6382-C            | 2    | 9.34            |
| BT50-CK6DP-375 | 375   | 330   | 64    | -     | SMB68/SCK80102-C           | 3    | 13.22           |

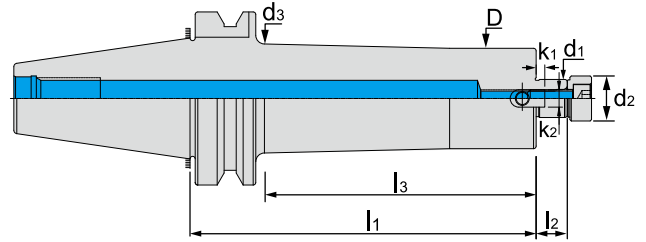
### 8 倍長 8 Times Longer

| 規格 Spec.       | $l_1$ | $l_2$ | $d_2$ | $d_3$ | 適用搪孔頭 Suitable Boring Head | Fig. | 重量 (KGS) Weight |
|----------------|-------|-------|-------|-------|----------------------------|------|-----------------|
| BT40-CK2DP-200 | 200   | 160   | 24    | 39    | SMB25/SCK2430-C/SCK2940-C  | 1    | 3.14            |
| BT40-CK3DP-260 | 260   | 220   | 31    | 50    | SMB32/SCK3950-C            | 2    | 4.1             |
| BT40-CK4DP-315 | 315   | 280   | 39    | 50    | SMB41/SCK4965-C            | 2    | -               |
| BT50-CK2DP-210 | 210   | 160   | 24    | 39    | SMB25/SCK2430-C/SCK2940-C  | 1    | 5.74            |
| BT50-CK3DP-280 | 280   | 220   | 31    | 50    | SMB32/SCK3950-C            | 2    | -               |
| BT50-CK4DP-340 | 340   | 285   | 39    | 64    | SMB41/SCK4965-C            | 2    | 8.38            |
| BT50-CK5DP-400 | 400   | 355   | 50    | 64    | SMB53/SCK6382-C            | 2    | -               |
| BT50-CK6DP-505 | 505   | 460   | 64    | -     | SMB68/SCK80102-C           | 3    | -               |

### 選配表 Option

| 搪頭 Boring Head                                                                      | 延長桿 Extension                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| B759                                                                                | B760                                                                                |

· 長度單位 Unit of Length (mm)



| 規格<br>Spec.          | $l_1$ | $l_2$ | $l_3$ | D  | $d_1$ | $d_2$ | $d_3$ | $k_1$ | $k_2$ | 重量 (KGS)<br>Weight |
|----------------------|-------|-------|-------|----|-------|-------|-------|-------|-------|--------------------|
| BT50-FDP22-300BG     | 300   | 18    | 255   | 58 | 22    | 31.75 | 62    | 4.3   | 10    | 10.84              |
| BT50-FDP22-350BG     | 350   | 18    | 305   | 58 | 22    | 31.75 | 62    | 4.3   | 10    | -                  |
| BT50-FDP22-400BG     | 400   | 18    | 355   | 58 | 22    | 31.75 | 62    | 4.3   | 10    | 12.72              |
| BT50-FDP22-500BG     | 500   | 18    | 455   | 58 | 22    | 31.75 | 62    | 4.3   | 10    | 14.96              |
| BT50-FDP27-300BG     | 300   | 20    | 255   | 58 | 27    | 31.5  | 62    | 5.8   | 12    | 10.96              |
| BT50-FDP27-350BG     | 350   | 20    | 305   | 58 | 27    | 31.5  | 62    | 5.8   | 12    | 11.32              |
| BT50-FDP27-400BG     | 400   | 20    | 355   | 58 | 27    | 31.5  | 62    | 5.8   | 12    | -                  |
| BT50-FDP27-450BG     | 450   | 20    | 405   | 58 | 27    | 31.5  | 62    | 5.8   | 12    | 13.66              |
| BT50-FDP27-500BG     | 500   | 20    | 455   | 58 | 27    | 31.5  | 62    | 5.8   | 12    | -                  |
| BT50-FDP32-300BG     | 300   | 21    | 255   | 74 | 32    | 41    | 78    | 6.8   | 14    | -                  |
| BT50-FDP32-400BG     | 400   | 21    | 355   | 74 | 32    | 41    | 78    | 6.8   | 14    | 16.76              |
| BT50-FDP32-500BG     | 500   | 21    | 455   | 74 | 32    | 41    | 78    | 6.8   | 14    | -                  |
| BT50-FDP32-600BG     | 600   | 21    | 555   | 74 | 32    | 41    | 78    | 6.8   | 14    | -                  |
| HSK63A-FDP16-200     | 200   | 16.5  | 169   | 38 | 16    | 17    | 38    | 4.3   | 8     | 2.58               |
| HSK63A-FDP16-250     | 250   | 16.5  | 219   | 38 | 16    | 17    | 38    | 4.3   | 8     | 3.31               |
| HSK63A-FDP22-250 BG  | 250   | 18    | 219   | 58 | 22    | 31.75 | 62    | 4.3   | 10    | 6.3                |
| HSK63A-FDP22-300 BG  | 300   | 18    | 269   | 58 | 22    | 31.75 | 62    | 4.3   | 10    | 7.4                |
| HSK100A-FDP22-300 BG | 300   | 18    | 261   | 58 | 22    | 31.75 | 62    | 4.3   | 10    | 8.84               |
| HSK100A-FDP22-350 BG | 350   | 18    | 311   | 58 | 22    | 31.75 | 62    | 4.3   | 10    | 9.9                |
| HSK100A-FDP22-400 BG | 400   | 18    | 361   | 58 | 22    | 31.75 | 62    | 4.3   | 10    | 10.96              |
| HSK100A-FDP22-450 BG | 450   | 18    | 411   | 58 | 22    | 31.75 | 62    | 4.3   | 10    | 12.02              |
| HSK100A-FDP22-500 BG | 500   | 18    | 461   | 58 | 22    | 31.75 | 62    | 4.3   | 10    | 13.08              |
| HSK100A-FDP27-300 BG | 300   | 20    | 261   | 74 | 27    | 31.5  | 78    | 5.8   | 12    | 10.12              |
| HSK100A-FDP27-350 BG | 350   | 20    | 311   | 74 | 27    | 31.5  | 78    | 5.8   | 12    | 11.27              |
| HSK100A-FDP27-400 BG | 400   | 20    | 361   | 74 | 27    | 31.5  | 78    | 5.8   | 12    | 12.41              |
| HSK100A-FDP27-450 BG | 450   | 20    | 411   | 74 | 27    | 31.5  | 78    | 5.8   | 12    | 13.63              |
| HSK100A-FDP27-500BG  | 500   | 20    | 461   | 74 | 27    | 31.5  | 78    | 5.8   | 12    | 14.71              |
| HSK100A-FDP32-300 BG | 300   | 21    | 261   | 74 | 32    | 41    | 85    | 6.8   | 14    | 10.28              |
| HSK100A-FDP32-350 BG | 350   | 21    | 311   | 74 | 32    | 41    | 85    | 6.8   | 14    | 11.46              |
| HSK100A-FDP32-400 BG | 400   | 21    | 361   | 74 | 32    | 41    | 85    | 6.8   | 14    | 12.58              |
| HSK100A-FDP32-450 BG | 450   | 21    | 411   | 74 | 32    | 41    | 85    | 6.8   | 14    | 13.73              |
| HSK100A-FDP32-500 BG | 500   | 21    | 461   | 74 | 32    | 41    | 85    | 6.8   | 14    | 14.88              |
| HSK100A-FDP32-600 BG | 600   | 21    | 561   | 74 | 32    | 41    | 85    | 6.8   | 14    | 17.18              |

### 範例 Example



HR



BGP



GR



SFM



KM



KFM

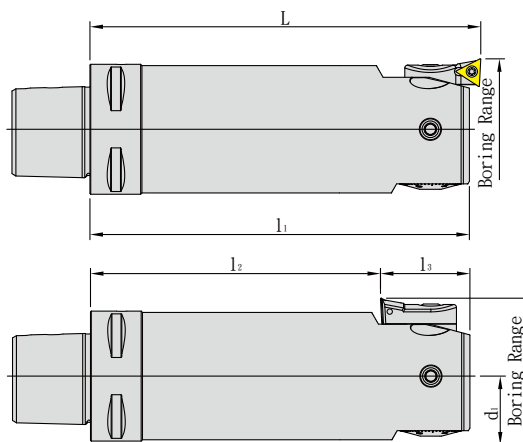


IFM

### 選配表 Option

| 銑刀頭 Milling Cutter |      |      |      |      |      |      |
|--------------------|------|------|------|------|------|------|
|                    |      |      |      |      |      |      |
| A116               | A125 | A154 | A141 | A158 | A161 | A164 |

・ 長度單位 Unit of Length (mm)



| 規格<br>Spec.       | øD 搪孔範圍<br>Boring Range<br>(正搪 Boring) |      |     |       | øD 搪孔範圍<br>Boring Range<br>(背搪 Back Boring) |      |       |      |      | 刀片座<br>Insert Seat | 刀片<br>Insert         | 螺絲<br>Screw     | 重量<br>(KGS)<br>Weight |
|-------------------|----------------------------------------|------|-----|-------|---------------------------------------------|------|-------|------|------|--------------------|----------------------|-----------------|-----------------------|
|                   | Min.                                   | Max. | L   | l1    | Min.                                        | Max. | l2    | l3   | d1   |                    |                      |                 |                       |
| PSC32-PMB32DP-115 | 32                                     | 42   | 115 | 110   | -                                           | -    | 90    | 25   | 16   | SIB32-1/SIC32-1    | TB..0601<br>TP..0802 | M2-5.0-2.7-60   | 0.82                  |
|                   | 41                                     | 51   | 115 | 110   | 46                                          | 51   | 90    | 25   | 16   | SIB32-2/SIC32-2    |                      |                 | 0.82                  |
|                   | 50                                     | 60   | 115 | 110   | 50                                          | 60   | 90    | 25   | 16   | SIB32-3/SIC32-3    |                      |                 | 0.82                  |
| PSC40-PMB41DP-125 | 41                                     | 54   | 125 | 121   | -                                           | -    | 96    | 29   | 20   | SIB41-1/SIC41-1    | TP..0902<br>TC..1102 | M2.5-6.0-3.5-60 | -                     |
|                   | 50                                     | 63   | 125 | 121   | 53                                          | 63   | 96    | 29   | 20   | SIB41-2/SIC41-2    |                      |                 | -                     |
|                   | 61                                     | 74   | 125 | 121   | 61                                          | 74   | 96    | 29   | 20   | SIB41-3/SIC41-3    |                      |                 | -                     |
| PSC50-PMB53DP-150 | 53                                     | 70   | 150 | 146   | 62                                          | 70   | 116   | 34   | 25.5 | SIB53-1/SIC53-1    | TP..0902<br>TC..1102 | M2.5-6.0-3.5-60 | 2.72                  |
|                   | 65                                     | 82   | 150 | 146   | 65                                          | 82   | 116   | 34   | 25.5 | SIB53-2/SIC53-2    |                      |                 | 2.72                  |
|                   | 78                                     | 95   | 150 | 146   | 78                                          | 95   | 116   | 34   | 25.5 | SIB53-3/SIC53-3    |                      |                 | 2.72                  |
| PSC63-PMB68DP-190 | 68                                     | 100  | 190 | 186.2 | 80                                          | 100  | 114.8 | 45.2 | 32.5 | SIB68-1/SIC68-1    | TP..0902<br>TC..1102 | M2.5-6.0-3.5-60 | 5.82                  |
|                   | 94                                     | 126  | 190 | 186.2 | 94                                          | 126  | 114.8 | 45.2 | 32.5 | SIB68-2/SIC68-2    |                      |                 | 5.82                  |
|                   | 118                                    | 150  | 190 | 186.2 | 118                                         | 150  | 114.8 | 45.2 | 32.5 | SIB68-3/SIC68-3    |                      |                 | 5.82                  |

※ 不含 SIB/SIC 刀片座，刀片座需另外購買  
Not including SIB/SIC insert seat, insert seat need to purchase separately.

### 選配表 Option

| 刀桿 Shank                                                                            | 刀片座 Insert Seat                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| B698-B700                                                                           | B688                                                                                |

· 長度單位 Unit of Length (mm)

# Damping

減震模組化示意圖

Modular combination

## 車削TURNING

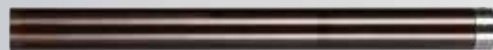
一體式  
Solid



DP/STUPR一體式減震車刀架  
Vibration -damped Boring Bar With Coolant



BM模組化高硬度減震車刀柄  
Modular Vibration-damped Boring Bar



BM模組化高硬度大柄徑減震車刀柄  
Modular Vibration-damped Boring Bar



BM模組化鎢鋼減震車刀柄  
Modular Vibration-damped Carbide Boring Bar



BM/SCLCR, STUCR, SNR  
BM/SDUCR, STUPR, SVUCR  
BM/MCLNR, MTUNR

BM 模組化系列  
BM Modular Series

DPFSCK模組化系列  
DPFSCK Modular Series



DPFSCK模組化減震車刀柄  
Modular Vibration -damped Boring Bar Shank



FSCK/SCLC, SCLP, SCKC, SDZC  
FSCK/SDUC, STFC, STUC, STUP  
FSCK/SVJC, MCLN, MTUN, SDQC  
FSCK/SSSC, SVUC, SIR, DGIR

## 平面銑削FACE MILLING



FDP減震銑刀桿  
Damping Face Mill Arbor



HR圓刀殼型銑刀  
Round Corner End Milling Cutter



BGP迷你殼型銑刀  
Face Milling Cutter



IFM殼型銑刀  
Face Milling Cutter



GR圓刀殼型銑刀  
Round Corner End Milling Cutter



SFM殼型銑刀  
Face Milling Cutter



KM45°殼型銑刀  
Face Milling Cutter



KFM殼型銑刀  
Face Milling Cutter



# 搪孔Boring

## 樣式1 Type1

(DX6)



MCK搪孔頭刀柄  
Boring Head Shank



CK搪孔頭刀柄  
Boring Head Shank



SCK/DP 減震延長桿  
Damping Extension



SMB超微米精搪頭  
SMB Super Micron Exchangeable  
Finish Boring Head

## 樣式2 Type2

(DX6)



CK / DP搪孔頭刀柄  
Boring Head Shank



SMB超微米精搪頭  
SMB Super Micron Exchangeable  
Finish Boring Head

## 樣式3 Type3

(DX8)



MCK搪孔頭刀柄  
Boring Head Shank



CK搪孔頭刀柄  
Boring Head Shank



SBT/MLK法蘭加厚型(雙面拘束)  
強力銑削夾頭  
Dual DRIVE Force Collet Chuck



SCK延長桿  
Anti-Vibration Extension



SCK直柄碳化鎢鋼搪孔頭刀桿  
Straight Carbide Boring Shank



CBH / DP減震精搪頭  
Damping Finish Boring Head

## 樣式4 Type4

(DX8)



HSK/PSC套筒  
HSK/PSC Adapter



SBT/PSC套筒  
SBT/PSC Adapter



DAT/PSC套筒  
DAT/PSC Adapter



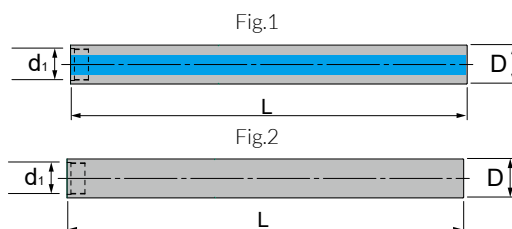
PSC等徑套筒  
PSC Adapter For Same Dia.



PSC異徑套筒  
Adapter For Different Dia.



PSC/PMB減震精密微調搪頭  
Submicron Finish Boring Head



### 特點 Feature

- 更快的切削進給及良好的加工表面精度

- Higher cutting feed rate and better surface accuracy.

### 6 倍長 6 Times Longer

| 規格<br>Spec.     | L   | d <sub>1</sub> | D  | 重量 (KGS)<br>Weight | Fig. |
|-----------------|-----|----------------|----|--------------------|------|
| DPH16-BM16-150L | 150 | M13-0.5        | 16 | 0.28               | 2    |
| DPH20-BM20-180L | 180 | M16-0.75       | 20 | 0.55               | 2    |
| DPH25-BM25-210L | 210 | M20-0.75       | 25 | 0.97               | 2    |
| DPH32-BM32-260L | 260 | 18             | 32 | 1.93               | 1    |
| DPH40-BM40-320L | 320 | 22             | 40 | 2.87               | 1    |
| DPH50-BM50-420L | 420 | 28             | 50 | 7.10               | 1    |

### 8 倍長 8 Times Longer

| 規格<br>Spec.     | L   | d <sub>1</sub> | D  | 重量 (KGS)<br>Weight | Fig. |
|-----------------|-----|----------------|----|--------------------|------|
| DPH16-BM16-180L | 180 | M13-0.5        | 16 | 0.33               | 2    |
| DPH20-BM20-220L | 220 | M16-0.75       | 20 | 0.65               | 2    |
| DPH25-BM25-260L | 260 | M20-0.75       | 25 | 1.16               | 2    |
| DPH32-BM32-320L | 320 | 18             | 32 | 2.28               | 1    |
| DPH40-BM40-400L | 400 | 22             | 40 | 3.92               | 1    |
| DPH50-BM50-520L | 520 | 28             | 50 | 8.39               | 1    |
| DPH60-BM50-600L | 600 | 28             | 60 | 11.53              | 1    |

### 10 倍長 10 Times Longer

| 規格<br>Spec.     | L   | d <sub>1</sub> | D  | 重量 (KGS)<br>Weight | Fig |
|-----------------|-----|----------------|----|--------------------|-----|
| DPH40-BM40-480L | 480 | 22             | 40 |                    |     |
| DPH50-BM50-620L | 620 | 28             | 50 | 9.68               | 1   |
| DPH60-BM50-720L | 720 | 28             | 60 | 13.24              | 1   |



### 特點 Feature

- 更快的切削進給及良好的加工表面精度

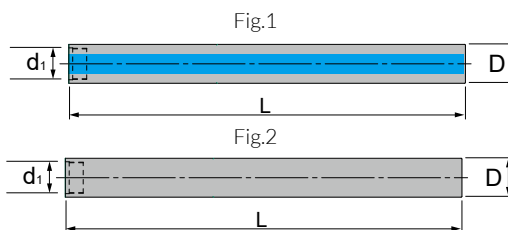
- Higher cutting feed rate and better surface accuracy.

#### 10 倍長 10 Times Longer

| 規格 Spec.          | L    | d <sub>1</sub> | D   | 重量 (KGS) Weight |
|-------------------|------|----------------|-----|-----------------|
| DPH80-BM50-1250L  | 1250 | 28             | 80  | 39.0            |
| DPH100-BM50-1400L | 1400 | 28             | 100 | 62.0            |
| DPH120-BM50-1800L | 1800 | 28             | 120 | 110.0           |
| DPH150-BM50-2500L | 2500 | 28             | 150 | 180.0           |
| DPH180-BM50-2800L | 2800 | 28             | 180 | 288.0           |
| DPH200-BM50-3000L | 3000 | 28             | 200 | 370.0           |

#### 12 倍長 12 Times Longer

| 規格 Spec.          | L    | d <sub>1</sub> | D   | 重量 (KGS) Weight |
|-------------------|------|----------------|-----|-----------------|
| DPH80-BM50-1450L  | 1450 | 28             | 80  | 43.0            |
| DPH100-BM50-1600L | 1600 | 28             | 100 | 69.0            |
| DPH120-BM50-2000L | 2000 | 28             | 120 | 125.0           |
| DPH150-BM50-2800L | 2800 | 28             | 150 | 200.0           |
| DPH180-BM50-3200L | 3200 | 28             | 180 | 320.0           |
| DPH200-BM50-3500L | 3500 | 28             | 200 | 420.0           |



### 特點 Feature

- 更快的切削進給及良好的加工表面精度

- Higher cutting feed rate and better surface accuracy

#### 10 倍長 10 Times Longer

| 規格 Spec.        | L   | d <sub>1</sub> | D  | 重量 (KGS) Weight | Fig. |
|-----------------|-----|----------------|----|-----------------|------|
| DPC16-BM16-220L | 220 | M13-0.5        | 16 | 0.50            | 2    |
| DPC20-BM20-250L | 250 | M16-0.75       | 20 | 1.29            | 2    |
| DPC25-BM25-300L | 300 | M20-0.75       | 25 | 2.05            | 2    |
| DPC32-BM32-400L | 400 | 18             | 32 |                 |      |

#### 12 倍長 12 Times Longer

| 規格 Spec.        | L   | d <sub>1</sub> | D  | 重量 (KGS) Weight | Fig. |
|-----------------|-----|----------------|----|-----------------|------|
| DPC20-BM20-300L | 300 | M16-0.75       | 20 | 1.49            | 1    |
| DPC25-BM25-350L | 350 | M20-0.75       | 25 | 2.38            | 1    |
| DPC32-BM32-450L | 450 | 18             | 32 | 4.04            | 1    |

#### 13 倍長 13 Times Longer

| 規格 Spec.        | L   | d <sub>1</sub> | D  | 重量 (KGS) Weight | Fig. |
|-----------------|-----|----------------|----|-----------------|------|
| DPC16-BM16-270L | 270 | M13-0.5        | 16 | 0.60            | 2    |
| DPC40-BM40-610L | 610 | 22             | 40 | 9.00            | 1    |

#### 14 倍長 14 Times Longer

| 規格 Spec.        | L   | d <sub>1</sub> | D  | 重量 (KGS) Weight | Fig. |
|-----------------|-----|----------------|----|-----------------|------|
| DPC20-BM20-350L | 350 | M16-0.75       | 20 |                 |      |
| DPC25-BM25-400L | 400 | M20-0.75       | 25 | 2.71            | 2    |
| DPC32-BM32-500L | 500 | 18             | 32 | 4.64            | 1    |
| DPC50-BM50-820L | 820 | 28             | 50 | 15.40           | 1    |
| DPC60-BM50-960L | 960 | 28             | 60 | 31.50           | 1    |

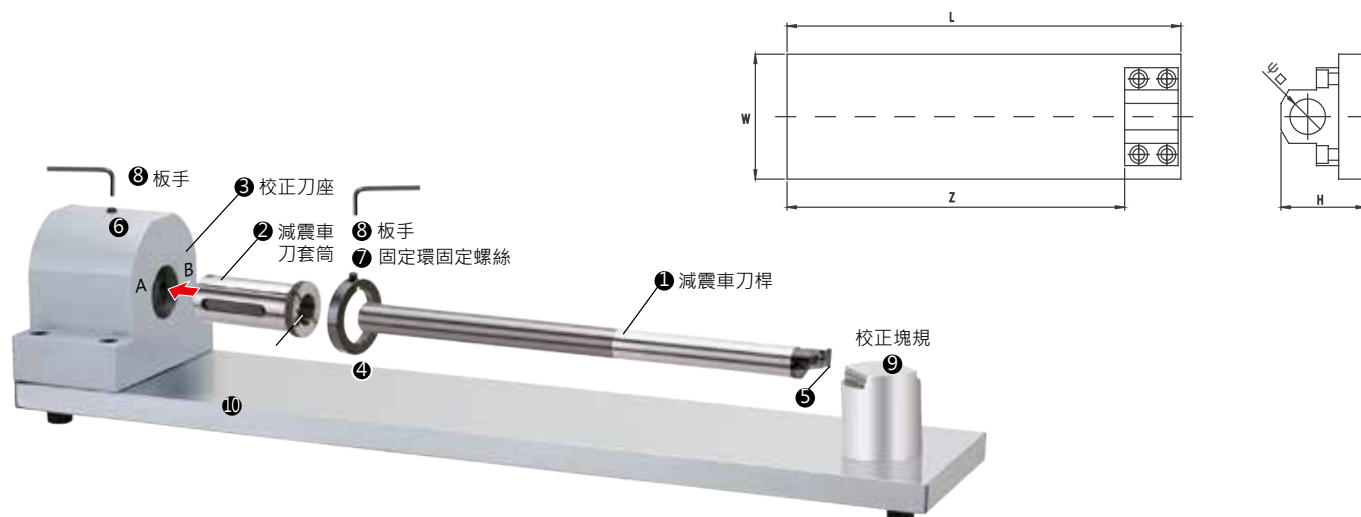
#### 15 倍長 15 Times Longer

| 規格 Spec.        | L   | d <sub>1</sub> | D  | 重量 (KGS) Weight | Fig. |
|-----------------|-----|----------------|----|-----------------|------|
| DPC40-BM40-690L | 690 | 22             | 40 | 9.60            | 1    |

#### 16 倍長 16 Times Longer

| 規格 Spec.         | L    | d <sub>1</sub> | D  | 重量 (KGS) Weight | Fig. |
|------------------|------|----------------|----|-----------------|------|
| DPC50-BM50-920L  | 920  | 28             | 50 | 17.40           | 1    |
| DPC60-BM50-1080L | 1080 | 28             | 60 | 35.01           | 1    |

• 長度單位 Unit of Length (mm)



- |                             |                               |            |                                   |
|-----------------------------|-------------------------------|------------|-----------------------------------|
| ① 減震車刀桿                     | ① Damped turning tool         | ⑥ 校正刀座固定螺絲 | ⑥ Set screw for tool holding seat |
| ② 減震車刀套筒                    | ② Damped turning tool sleeve  | ⑦ 固定環固定螺絲  | ⑦ Set screw for retaining ring    |
| ③ 校正刀座 (Ø32, Ø40, Ø50, Ø60) | ③ Tool holding seat           | ⑧ 六角板手     | ⑧ Hex wrench                      |
| ④ 固定環                       | ④ Retaining ring              | ⑨ 校正塊規     | ⑨ Block gauge                     |
| ⑤ BM車刀頭刀尖                   | ⑤ Tool tip of LT turning head | ⑩ 中心校正台本體  | ⑩ Tool setter table               |

### 特點 Feature

- 減震車刀中心校正台專為快速校正減震內孔車刀而設計
- 減震車刀中心校正台需搭配減震內孔車刀套筒使用
- 可依不同內孔車刀的伸出長度與車刀桿直徑的比值  $L/D$ ，而選擇不同的中心高
- The shock absorber knife center correction station is designed for quick correction of shock-absorbing inner hole lathe tool.
- The center correction table of the shock-absorbing vehicle knife should be used with the shock-absorbing inner hole lathe tool sleeve.
- Depending on the extended length of the lathe tool and the diameter ratio of the lathe tool  $L/D$ , the different center height can be selected.

| 規格<br>Spec. | 有效校正長<br>Z | 全長<br>L | 寬<br>W | 高<br>H | 重量<br>Weight<br>(KGS) | 搭配減徑<br>專用套筒<br>sleeve |
|-------------|------------|---------|--------|--------|-----------------------|------------------------|
| CRT-C32     | 600        | 700     | 150    | 150    | 26                    | RSC32-ψ □              |
| CRT-C40     |            |         |        |        |                       | RSC40-ψ □              |
| CRT-C50     |            |         |        |        |                       | RSC50-ψ □              |
| CRT-C60     |            |         |        |        |                       | RSC60-ψ □              |

⚠ □ : 車刀柄徑  
10、12、14、16、18、20、28  
所有規格均含有附件：校正塊規 ×1PCS、固定環 ×1PCS、4mm  
六角板手 ×1PCS

⚠ □ : Car knife shank diameter  
10、12、14、16、18、20、28  
All Specs contain accessories: correction block gauge x 1PCS,  
fixed ring x 1PCS, 4mm hexagonal wrench x 1PCS

## BM/SCLCR 模組化內徑車刀

### BM/SCLCR MODULAR BORING BAR HEAD



KOVIT

NEW

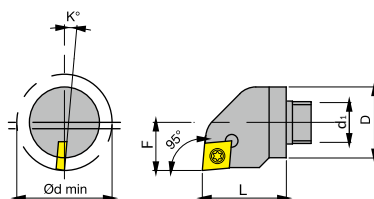


Fig.1

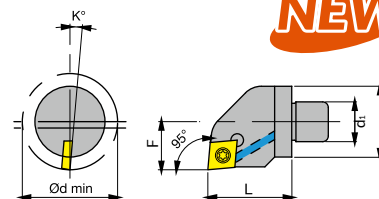


Fig.2

| 規格<br>Spec.   | L  | D  | d  | d1       | F  | K° | 刀片<br>Insert | Fig. | 重量 (KGS)<br>Weight |
|---------------|----|----|----|----------|----|----|--------------|------|--------------------|
| BM16-SCLCR-09 | 25 | 16 | 20 | M13-0.5  | 10 | 7  | CC..09T3     | 1    | -                  |
| BM20-SCLCR-09 | 30 | 20 | 25 | M16-0.75 | 13 | 7  | CC..09T3     | 1    | -                  |
| BM25-SCLCR-09 | 30 | 25 | 30 | M20-0.75 | 15 | 5  | CC..09T3     | 1    | -                  |
| BM32-SCLCR-09 | 35 | 32 | 40 | 18       | 20 | 5  | CC..09T3     | 2    | -                  |
| BM40-SCLCR-12 | 40 | 40 | 52 | 22       | 26 | 3  | CC..1204     | 2    | -                  |
| BM50-SCLCR-12 | 40 | 50 | 64 | 28       | 32 | 3  | CC..1204     | 2    | -                  |

#### 配件表 Accessories

| 刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>Torque |
|--------------|---------------|--------------|---------------|
| CC..09T3     | M4-8.0-5.7-60 | T15          | 3.0 N.m       |
| CC..1204     | M5-11-7.5-60  | T20          | 5.0 N.m       |

## BM/STUCR 模組化內徑車刀

### BM/STUCR MODULAR BORING BAR HEAD



KOVIT

NEW

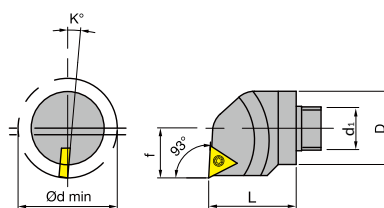


Fig.1

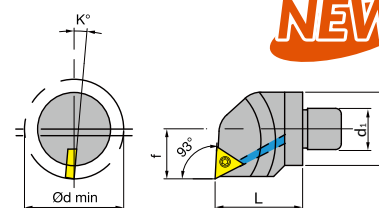


Fig.2

| 規格<br>Spec.   | L  | D  | d  | d1       | F    | K° | 刀片<br>Insert | Fig. | 重量 (KGS)<br>Weight |
|---------------|----|----|----|----------|------|----|--------------|------|--------------------|
| BM16-STUCR-11 | 25 | 16 | 20 | M13-0.5  | 10   | 8  | TC..1102     | 1    | -                  |
| BM20-STUCR-11 | 30 | 20 | 25 | M16-0.75 | 13   | 6  | TC..1102     | 1    | -                  |
| BM25-STUCR-11 | 30 | 25 | 30 | M20-0.75 | 15   | 4  | TC..1102     | 1    | -                  |
| BM32-STUCR-16 | 35 | 32 | 39 | 18       | 19.5 | 5  | TC..16T3     | 2    | -                  |
| BM40-STUCR-16 | 40 | 40 | 51 | 22       | 5.5  | 5  | TC..16T3     | 2    | -                  |
| BM50-STUCR-16 | 40 | 50 | 61 | 28       | 30.4 | 5  | TC..16T3     | 2    | -                  |

#### 配件表 Accessories

| 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>Torque |
|--------------|-----------------|--------------|---------------|
| TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2 N.m       |
| TC..16T3     | M4-8.0-5.7-60   | T15          | 3.0 N.m       |

•長度單位 Unit of Length (mm)



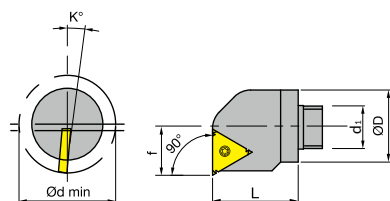


Fig.1

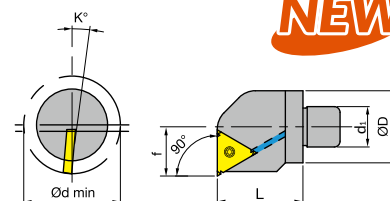


Fig.2

| 規格<br>Spec. | L  | D  | d  | d1       | F  | K° | 刀片<br>Insert | Fig. | 重量 (KGS)<br>Weight |
|-------------|----|----|----|----------|----|----|--------------|------|--------------------|
| BM16-SNR-16 | 25 | 16 | 20 | M13-0.5  | 10 | 15 | 16IR         | 1    | -                  |
| BM20-SNR-16 | 30 | 20 | 26 | M16-0.75 | 13 | 15 | 16IR         | 1    | -                  |
| BM25-SNR-16 | 30 | 25 | 32 | M20-0.75 | 17 | 15 | 16IR         | 1    | -                  |
| BM32-SNR-16 | 35 | 32 | 40 | 18       | 20 | -  | 16IR         | 2    | -                  |
| BM40-SNR-16 | 40 | 40 | 52 | 22       | 26 | -  | 16IR         | 2    | -                  |
| BM50-SNR-16 | 40 | 50 | 64 | 28       | 23 | -  | 16IR         | 2    | -                  |

### 配件表 Accessories

| 刀片<br>Insert | 螺絲<br>Screw      | 扳手<br>Wrench | 扭力值<br>Torque |
|--------------|------------------|--------------|---------------|
| 16IR         | M3.5-11.7-5.3-60 | T15          | 3.0 N.m       |

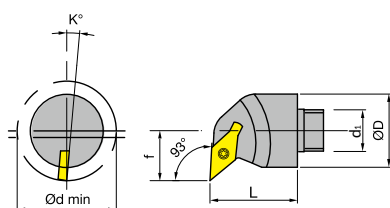


Fig.1

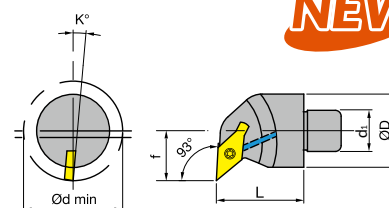


Fig.2

| 規格<br>Spec.   | L  | D  | d  | d1       | F  | K° | 刀片<br>Insert | Fig. | 重量 (KGS)<br>Weight |
|---------------|----|----|----|----------|----|----|--------------|------|--------------------|
| BM16-SDUCR-11 | 25 | 16 | 20 | M13-0.5  | 11 | 6  | DC..11T3     | 1    | -                  |
| BM20-SDUCR-11 | 30 | 20 | 26 | M16-0.75 | 13 | 6  | DC..11T3     | 1    | -                  |
| BM25-SDUCR-11 | 30 | 25 | 32 | M20-0.75 | 16 | 6  | DC..11T3     | 1    | -                  |
| BM32-SDUCR-11 | 35 | 32 | 40 | 18       | 20 | 6  | DC..11T3     | 2    | -                  |
| BM40-SDUCR-11 | 40 | 40 | 52 | 22       | 26 | 6  | DC..11T3     | 2    | -                  |
| BM50-SDUCR-11 | 40 | 50 | 64 | 28       | 32 | 6  | DC..11T3     | 2    | -                  |

### 配件表 Accessories

| 刀片<br>Insert | 螺絲<br>Screw  | 扳手<br>Wrench | 扭力值<br>Torque |
|--------------|--------------|--------------|---------------|
| DC..11T3     | M4-10-5.7-60 | T15          | 3.0 N.m       |

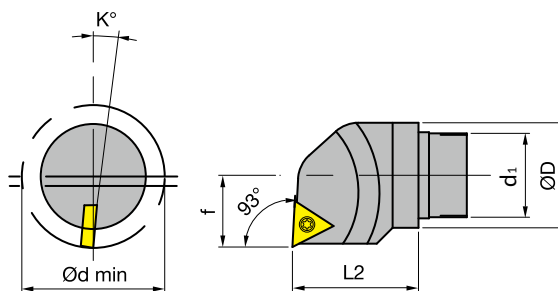
## BM/STUPR 模組化內徑車刀

### BM/STUPR MODULAR BORING BAR HEAD



KOVIT

NEW



| 規格<br>Spec.   | L  | D  | d  | d1       | F  | K° | 刀片<br>Insert | 重量<br>(KGS)<br>Weight |
|---------------|----|----|----|----------|----|----|--------------|-----------------------|
| BM16-STUPR-11 | 25 | 16 | 20 | M13-0.5  | 10 | 6  | TP..1103     | -                     |
| BM20-STUPR-11 | 30 | 20 | 25 | M16-0.75 | 13 | 4  | TP..1103     | -                     |
| BM25-STUPR-11 | 30 | 25 | 30 | M20-0.75 | 15 | 2  | TP..1103     | -                     |

#### 配件表 Accessories

| 刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>Torque |
|--------------|---------------|--------------|---------------|
| TP..1103     | M3-8.0-4.0-43 | T9           | 1.4           |

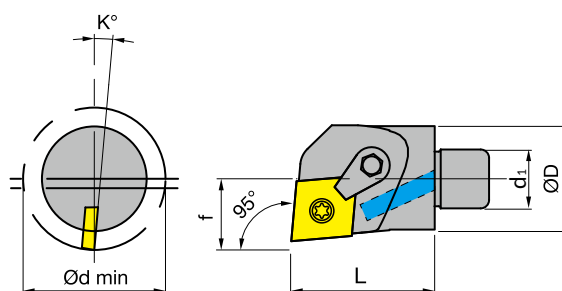
## BM/MCLNR 模組化內徑車刀

### BM/MCLNR MODULAR BORING BAR HEAD



KOVIT

NEW

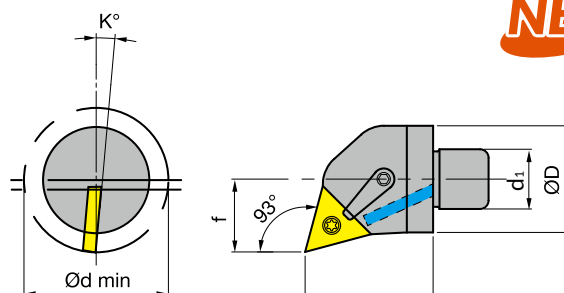


| 規格<br>Spec.   | L  | D  | d  | d1 | F  | K° | 刀片<br>Insert | 重量 (KGS)<br>Weight |
|---------------|----|----|----|----|----|----|--------------|--------------------|
| BM32-MCLNR-12 | 35 | 32 | 40 | 18 | 20 | 12 | CN..1204     | -                  |
| BM40-MCLNR-12 | 40 | 40 | 48 | 22 | 24 | 12 | CN..1204     | -                  |
| BM50-MCLNR-12 | 40 | 50 | 64 | 28 | 32 | 12 | CN..1204     | -                  |

#### 配件表 Accessories

| 刀片<br>Insert | 墊片<br>Shim | 墊片螺絲<br>Shim Screw | 扳手<br>Wrench | 壓板<br>Clamp | 壓板螺絲<br>Clamp Screw | 壓板扳手<br>Clamp Wrench |
|--------------|------------|--------------------|--------------|-------------|---------------------|----------------------|
| CN..1204     | CMS432     | MLP46              | PL2.5        | MC620       | MS625               | PL3                  |

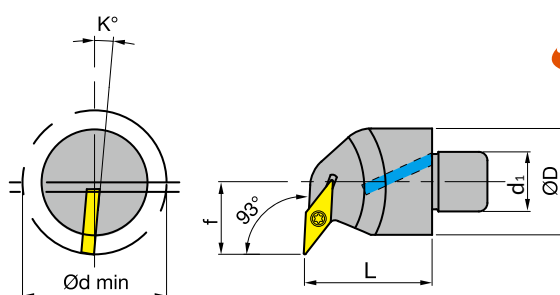
•長度單位 Unit of Length (mm)



| 規格<br>Spec.   | L  | D  | d  | d1 | F    | K° | 刀片<br>Insert | 重量 (KGS)<br>Weight |
|---------------|----|----|----|----|------|----|--------------|--------------------|
| BM32-MTUNR-16 | 35 | 32 | 40 | 18 | 19.5 | 13 | TN..1604     | -                  |
| BM40-MTUNR-16 | 40 | 40 | 52 | 22 | 25.5 | 13 | TN..1604     | -                  |
| BM50-MTUNR-16 | 40 | 50 | 64 | 28 | 30.4 | 13 | TN..1604     | -                  |

### 配件表 Accessories

| 刀片<br>Insert | 墊片<br>Shim | 墊片螺絲<br>Shim Screw | 扳手<br>Wrench | 壓板<br>Clamp | 壓板螺絲<br>Clamp Screw | 壓板扳手<br>Clamp Wrench |
|--------------|------------|--------------------|--------------|-------------|---------------------|----------------------|
| TN..1604     | TWS322     | MLP34L             | PL2          | MC620       | MS625               | PL3                  |



| 規格<br>Spec.   | L  | D  | d  | d1 | F  | K° | 刀片<br>Insert | 重量 (KGS)<br>Weight |
|---------------|----|----|----|----|----|----|--------------|--------------------|
| BM32-SVUCR-16 | 35 | 32 | 40 | 18 | 20 | 5  | VC..1604     | -                  |
| BM40-SVUCR-16 | 40 | 40 | 52 | 22 | 26 | 5  | VC..1604     | -                  |
| BM50-SVUCR-16 | 40 | 50 | 64 | 28 | 32 | 5  | VC..1604     | -                  |

### 配件表 Accessories

| 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>Torque |
|--------------|-----------------|--------------|---------------|
| VC..1604     | M3.5-8.0-5.0-60 | T15          | 3.0 N.m       |

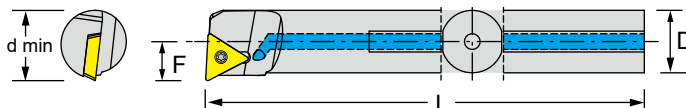


## DPSTUPR 一體式減震車刀架 - 出水型

### DPSTUPR VIBRATION-DAMPED BORING BAR WITH COOLANT



KOVIT  
NEW



8 倍長 8 Times Longer

| 規格<br>Spec.              | L   | D  | d  | F   | 使用刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|--------------------------|-----|----|----|-----|----------------|-----------------|--------------|------------------------|-----------------------|
| DPS12-STUPR-09-14-196L-C | 196 | 12 | 14 | 7.5 | TP.0902        | M2.5-6.0-3.5-60 | T8           | 1.2                    | -                     |
| DPS12-STUPR-11-14-196L-C | 196 | 12 | 14 | 7.5 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | -                     |
| DPS16-STUPR-11-18-228L-C | 228 | 16 | 18 | 9.5 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | -                     |

10 倍長 10 Times Longer

| 規格<br>Spec.              | L   | D  | d  | F   | 使用刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|--------------------------|-----|----|----|-----|----------------|-----------------|--------------|------------------------|-----------------------|
| DPC12-STUPR-09-14-220L-C | 220 | 12 | 14 | 7.5 | TP.0902        | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.32                  |
| DPC12-STUPR-11-14-220L-C | 220 | 12 | 14 | 7.5 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | 0.32                  |
| DPC16-STUPR-11-18-260L-C | 260 | 16 | 18 | 9.5 | TP.1103        | M3-8.0-4.0-43   | T9           | 1.4                    | -                     |

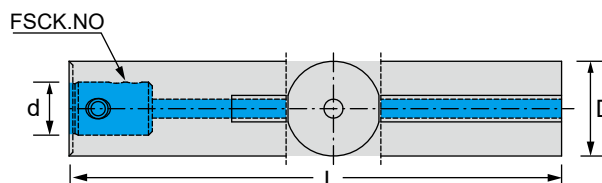


## DPFSCK 模組化減震車刀柄 - 出水型

### DPFSCK MODULAR VIBRATION -DAMPED BORING BAR SHANK



KOVIT  
NEW



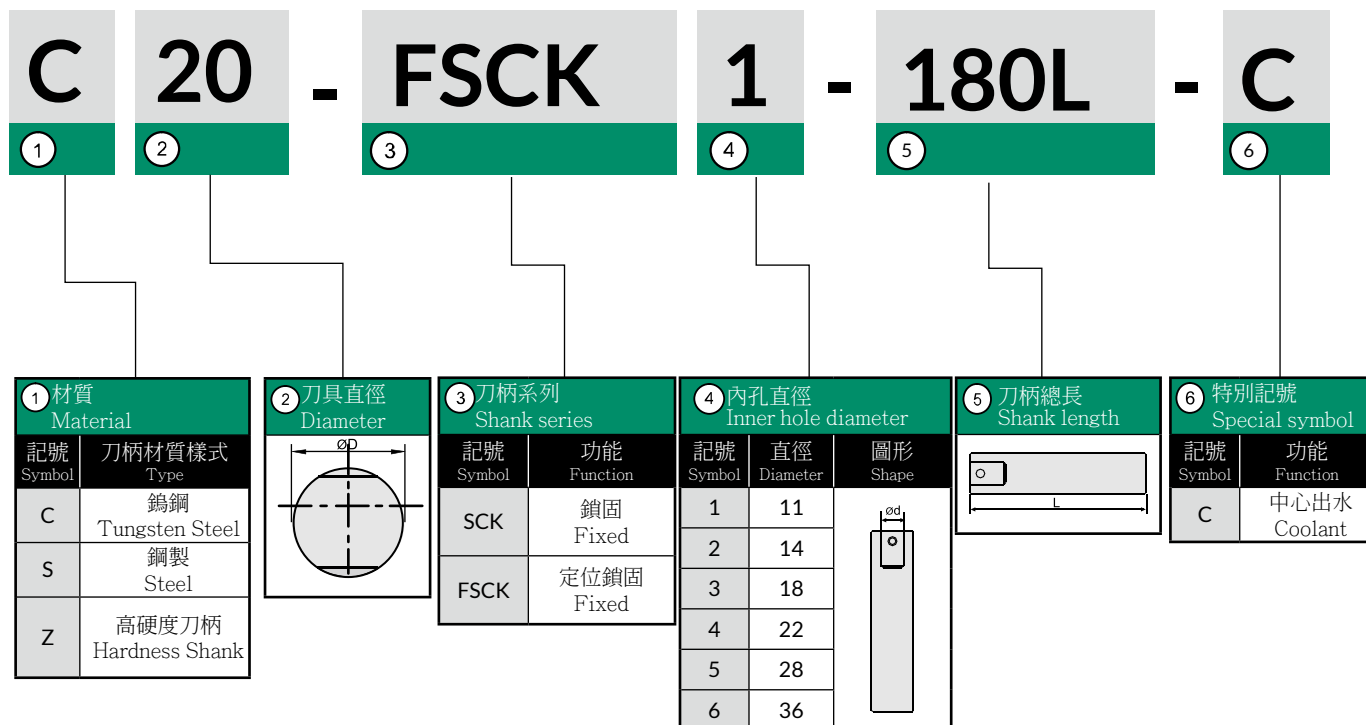
8 倍長 8 Times Longer

| 規格<br>Spec.        | L   | D  | d  | 螺絲<br>Screw | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|--------------------|-----|----|----|-------------|--------------|------------------------|-----------------------|
| DPS20-FSCK1-240L-C | 240 | 20 | 11 | FSCK1-M5    | PL2.5        | 5.0                    | -                     |
| DPS25-FSCK2-275L-C | 275 | 25 | 14 | FSCK2-M6    | PL3          | 5.0                    | 1.16                  |
| DPS32-FSCK3-326L-C | 326 | 32 | 18 | FSCK3-M6    | PL3          | 5.0                    | 2.23                  |
| DPS40-FSCK4-410L-C | 410 | 40 | 22 | FSCK4-M8    | PL4          | 6.0                    | -                     |

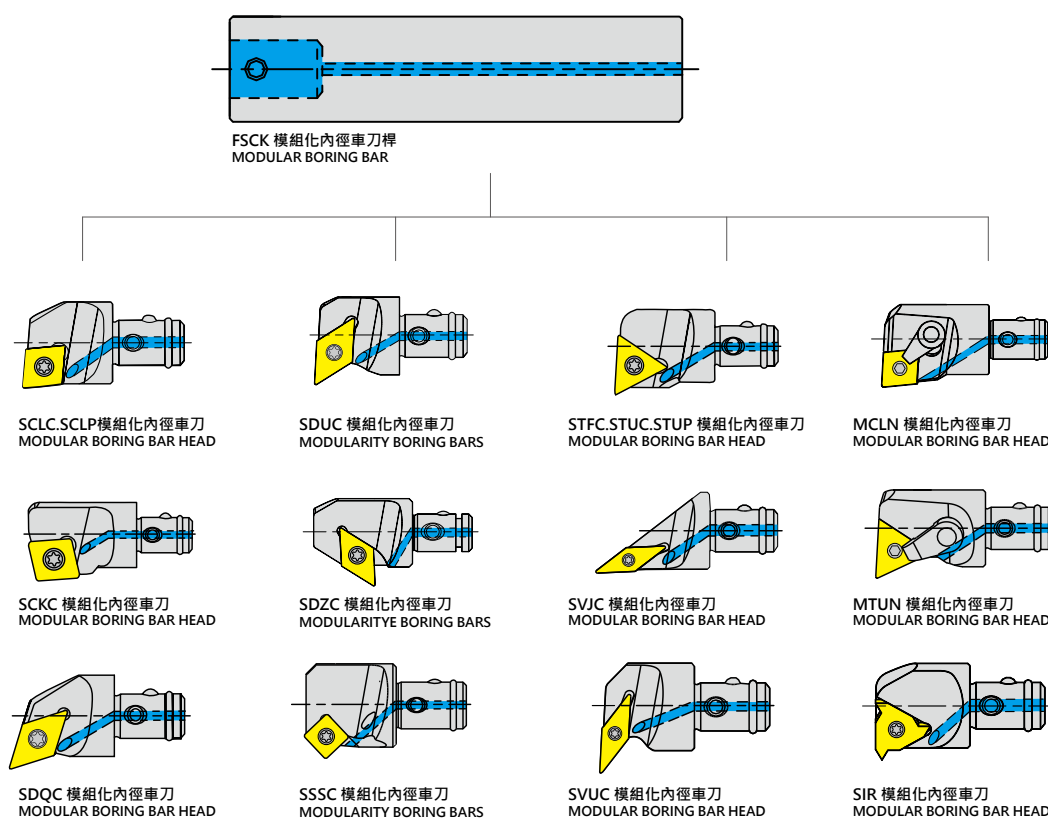
10 倍長 10 Times Longer

| 規格<br>Spec.        | L   | D  | d  | 螺絲<br>Screw | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|--------------------|-----|----|----|-------------|--------------|------------------------|-----------------------|
| DPC20-FSCK1-280L-C | 280 | 20 | 11 | FSCK1-M5    | PL2.5        | 5.0                    | 1.08                  |
| DPC25-FSCK2-325L-C | 325 | 25 | 14 | FSCK2-M6    | PL3          | 5.0                    | 1.9                   |
| DPC32-FSCK3-390L-C | 390 | 32 | 18 | FSCK3-M6    | PL3          | 5.0                    | 3.76                  |
| DPS40-FSCK4-490L-C | 490 | 40 | 22 | FSCK4-M8    | PL4          | 6.0                    | -                     |

•長度單位 Unit of Length (mm)



FSCK 組合圖 Combination Icon



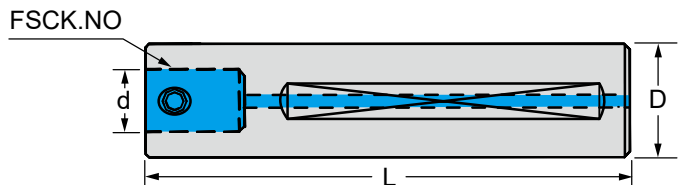
• 長度單位 Unit of Length (mm)



## FSCK 定位高硬度內徑車刀柄

### FSCK FIXED STRAIGHT TURNING TOOLS

KOVIT



#### 特點 Feature

- 抗震係數 4 倍

-Vibration resistance ratio: 4~5.

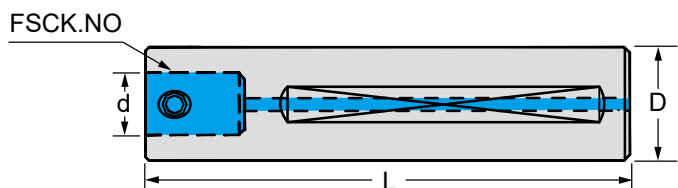
| 規格<br>Spec.      | 組合刀柄<br>NO. | L   | D  | d  | 螺絲<br>Screw | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------|-------------|-----|----|----|-------------|--------------|------------------------|-----------------------|
| Z20-FSCK1-180L-C | FSCK1       | 180 | 20 | 11 | FSCK1-M5    | PL2.5        | 5.0                    | 0.43                  |
| Z25-FSCK2-175L-C | FSCK2       | 175 | 25 | 14 | FSCK2-M6    | PL3          | 5.0                    | 0.66                  |
| Z25-FSCK2-225L-C | FSCK2       | 225 | 25 | 14 | FSCK2-M6    | PL3          | 5.0                    | 0.84                  |
| Z32-FSCK3-220L-C | FSCK3       | 220 | 32 | 18 | FSCK3-M6    | PL3          | 5.0                    | 1.30                  |
| Z32-FSCK3-270L-C | FSCK3       | 270 | 32 | 18 | FSCK3-M6    | PL3          | 5.0                    | 2.90                  |
| Z40-FSCK4-267L-C | FSCK4       | 267 | 40 | 22 | FSCK4-M8    | PL4          | 5.0                    | -                     |
| Z50-FSCK5-290L-C | FSCK5       | 290 | 50 | 28 | FSCK5-M10   | PL5          | 6.0                    | -                     |



## FSCK 定位鎢鋼內徑車刀柄

### FSCK FIXED TUNGSTEN TURNING TOOLS

KOVIT



#### 特點 Feature

- 抗震係數 5 倍

-Vibration resistance ratio: 5~6

| 規格<br>Spec.      | 組合刀柄<br>NO. | L   | D  | d  | 螺絲<br>Screw | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------|-------------|-----|----|----|-------------|--------------|------------------------|-----------------------|
| C20-FSCK1-180L-C | FSCK1       | 180 | 20 | 11 | FSCK1-M5    | PL2.5        | 5.0                    | 0.8                   |
| C20-FSCK1-230L-C | FSCK1       | 230 | 20 | 11 | FSCK1-M5    | PL2.5        | 5.0                    | 0.98                  |
| C25-FSCK2-175L-C | FSCK2       | 175 | 25 | 14 | FSCK2-M6    | PL3          | 5.0                    | 1.18                  |
| C25-FSCK2-225L-C | FSCK2       | 225 | 25 | 14 | FSCK2-M6    | PL3          | 5.0                    | 1.50                  |
| C32-FSCK3-170L-C | FSCK3       | 170 | 32 | 18 | FSCK3-M6    | PL3          | 5.0                    | 1.80                  |
| C32-FSCK3-220L-C | FSCK3       | 220 | 32 | 18 | FSCK3-M6    | PL3          | 5.0                    | 2.33                  |
| C32-FSCK3-270L-C | FSCK3       | 270 | 32 | 18 | FSCK3-M6    | PL3          | 5.0                    | 2.86                  |

• 長度單位 Unit of Length (mm)

| 1 材質<br>Material |                           | 3 刀柄系列<br>Series |                | 6 刀片形狀<br>Shape |                   |             |             | 8 離隙角<br>Relief Angle |                     | 9 切削方向<br>Direction |             | 11 最小加工徑<br>Min. Dia. |
|------------------|---------------------------|------------------|----------------|-----------------|-------------------|-------------|-------------|-----------------------|---------------------|---------------------|-------------|-----------------------|
| 記號<br>Symbol     | 刀柄材質樣式<br>Type            | 記號<br>Symbol     | 功能<br>Function | 記號<br>Symbol    | 形狀<br>Shape       | 角度<br>Angle | 圖形<br>Shape | 記號<br>Symbol          | 離隙角<br>Relief Angle | 記號<br>Symbol        | 圖形<br>Shape |                       |
| C                | 鎢鋼<br>Tungsten            | SCK              | 鎖固<br>Fixed    | C               | 菱形<br>Rhombic     | 80°         |             | B                     | 5°                  | L                   |             |                       |
| S                | 鋼製<br>Steel               | FSCK             | 定位鎖固<br>Fixed  | D               |                   | 55°         |             | C                     | 7°                  | N                   |             |                       |
| Z                | 高硬度刀柄<br>Hardness Shank   |                  |                | J               |                   | 70°         |             | D                     | 15°                 | R                   |             |                       |
| SC               | 鎢鋼焊接式<br>Tungsten Welding |                  |                | V               |                   | 35°         |             | E                     | 20°                 |                     |             |                       |
|                  |                           |                  |                | R               | 圓形<br>Round       | -           |             | N                     | 0°                  |                     |             |                       |
|                  |                           |                  |                | S               | 正方形<br>Square     | 90°         |             | P                     | 11°                 |                     |             |                       |
|                  |                           |                  |                | T               | 正三角形<br>Triangle  | 60°         |             |                       |                     |                     |             |                       |
|                  |                           |                  |                | W               | 六角形<br>Hexangonal | 80°         |             |                       |                     |                     |             |                       |

|   |    |   |      |   |   |   |   |   |   |   |    |   |    |   |    |
|---|----|---|------|---|---|---|---|---|---|---|----|---|----|---|----|
| S | 20 | - | FSCK | 1 | - | S | T | L | C | R | 09 | - | 16 | - | C  |
| 1 | 2  |   | 3    | 4 |   | 5 | 6 | 7 | 8 | 9 | 10 |   | 11 |   | 12 |

| 2 刀具直徑<br>Diameter | 4 內孔直徑<br>Inner hole |                |             | 5 壓板鎖固方式<br>Locking Type |                            |             | 7 切刃形狀<br>Shape |             |              |             | 10 刀片邊寬<br>Width |             | 12 特別記號<br>Specialize |                 |
|--------------------|----------------------|----------------|-------------|--------------------------|----------------------------|-------------|-----------------|-------------|--------------|-------------|------------------|-------------|-----------------------|-----------------|
|                    | 記號<br>Symbol         | 直徑<br>Diameter | 圖形<br>Shape | 記號<br>Symbol             | 名稱<br>Name                 | 圖形<br>Shape | 記號<br>Symbol    | 圖形<br>Shape | 記號<br>Symbol | 圖形<br>Shape | 記號<br>Symbol     | 圖形<br>Shape | 記號<br>Symbol          | 功能<br>Function  |
|                    | 1                    | 11             |             | C                        | 上壓式<br>Clamp               |             | A               |             | L2           |             | S                |             | C                     | 中心出水<br>Coolant |
|                    | 2                    | 14             |             | M                        | 螺銷<br>上壓式<br>Pin/<br>Clamp |             | B               |             | N            |             | T                |             |                       |                 |
|                    | 3                    | 18             |             |                          |                            |             | C               |             | N3           |             | R                |             |                       |                 |
|                    | 4                    | 22             |             | W                        | 楔鉤式<br>Clamp               |             | D               |             | P            |             | L                |             |                       |                 |
|                    | 5                    | 28             |             | S                        | 壓孔式<br>Screw               |             | E               |             | Q            |             | CD               |             |                       |                 |
|                    | 6                    | 36             |             | P                        | 側推式<br>Pin                 |             | F               |             | S            |             | EV               |             |                       |                 |
|                    |                      |                |             |                          |                            |             | G               |             | V            |             | A                |             |                       |                 |
|                    |                      |                |             |                          |                            |             | G               |             | U            |             | BK               |             |                       |                 |
|                    |                      |                |             |                          |                            |             | J               |             | X            |             |                  |             |                       |                 |
|                    |                      |                |             |                          |                            |             | J2              |             | Y            |             |                  |             |                       |                 |
|                    |                      |                |             |                          |                            |             | K               |             | Z            |             |                  |             |                       |                 |
|                    |                      |                |             |                          |                            |             | L               |             |              |             |                  |             |                       |                 |

•長度單位 Unit of Length (mm)

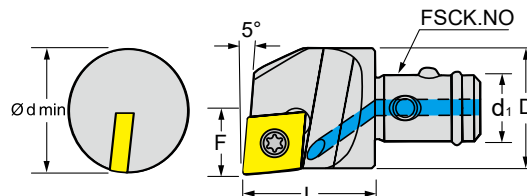
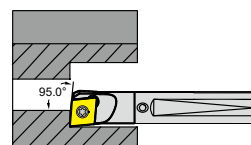




## SCLC 模組化內徑車刀

### SCLC MODULAR TURNING TOOL HEAD

KOVIT



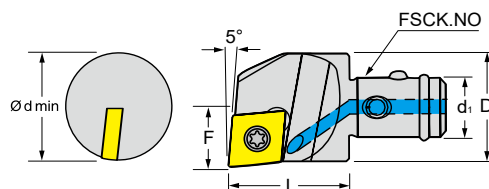
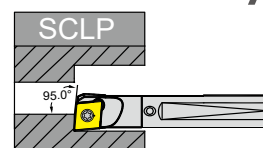
| 規格<br>Spec.            | L  | D  | 最小加工徑<br>d | d <sub>1</sub> | F    | 刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|------------|----------------|------|--------------|---------------|--------------|------------------------|-----------------------|
| S20-FSCK1-SCLCR09-22-C | 22 | 20 | 22         | 11             | 11   | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-SCLCL09-22-C | 22 | 20 | 22         | 11             | 11   | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-SCLCR09-28-C | 25 | 25 | 28         | 14             | 14.5 | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-SCLCL09-28-C | 25 | 25 | 28         | 14             | 14.5 | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-SCLCR09-38-C | 30 | 32 | 38         | 18             | 17.5 | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.20                  |
| S32-FSCK3-SCLCL09-38-C | 30 | 32 | 38         | 18             | 17.5 | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.20                  |
| S40-FSCK4-SCLCR09-43-C | 33 | 40 | 43         | 22             | 21   | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S40-FSCK4-SCLCL09-43-C | 33 | 40 | 43         | 22             | 21   | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S50-FSCK5-SCLCR09-60-C | 35 | 50 | 60         | 28             | 30   | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.54                  |
| S50-FSCK5-SCLCL09-60-C | 35 | 50 | 60         | 28             | 30   | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.54                  |



## SCLP 模組化內徑車刀

### SCLP MODULAR TURNING TOOL HEAD

KOVIT



| 規格<br>Spec.            | L  | D  | 最小加工徑<br>d | d <sub>1</sub> | F    | 刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|------------|----------------|------|--------------|---------------|--------------|------------------------|-----------------------|
| S20-FSCK1-SCLPR09-22-C | 22 | 20 | 22         | 11             | 11   | CP.0903      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-SCLPL09-22-C | 22 | 20 | 22         | 11             | 11   | CP.0903      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-SCLPR09-28-C | 25 | 25 | 28         | 14             | 14   | CP.0903      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-SCLPL09-28-C | 25 | 25 | 28         | 14             | 14   | CP.0903      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-SCLPR09-35-C | 24 | 32 | 35         | 18             | 17.5 | CP.0903      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-SCLPL09-35-C | 24 | 32 | 35         | 18             | 17.5 | CP.0903      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |

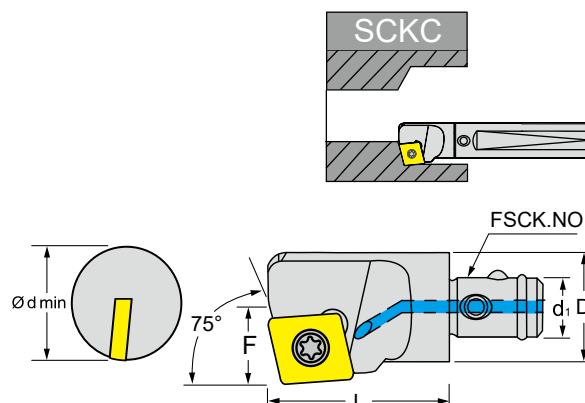
•長度單位 Unit of Length (mm)



## SCKC 模組化內徑車刀

### SCKC MODULAR TURNING TOOL HEAD

KOVIT



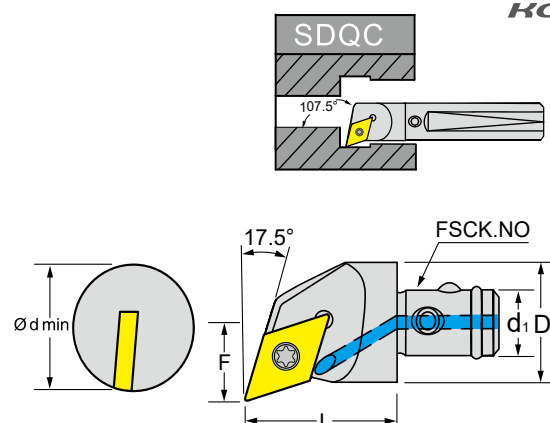
| 規格<br>Spec.            | L  | D  | 最小加工徑<br>d | d <sub>1</sub> | F    | 刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|------------|----------------|------|--------------|---------------|--------------|------------------------|-----------------------|
| S20-FSCK1-SCKCR09-24-C | 22 | 20 | 24         | 11             | 11.5 | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-SCKCL09-24-C | 22 | 20 | 24         | 11             | 11.5 | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-SCKCR09-30-C | 25 | 25 | 30         | 14             | 15   | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-SCKCL09-30-C | 25 | 25 | 30         | 14             | 15   | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-SCKCR09-38-C | 30 | 32 | 38         | 18             | 17.5 | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-SCKCL09-38-C | 30 | 32 | 38         | 18             | 17.5 | CC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |



## SDQC 模組化內徑車刀

### SDQC MODULAR TURNING TOOL HEAD

KOVIT



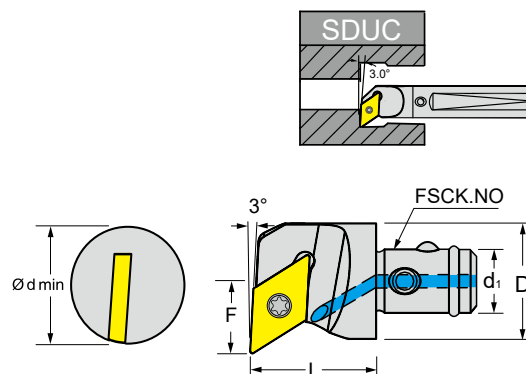
| 規格<br>Spec.            | L  | D  | 最小加工徑<br>d | d <sub>1</sub> | F  | 刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|------------|----------------|----|--------------|---------------|--------------|------------------------|-----------------------|
| S20-FSCK1-SDQCR11-25-C | 22 | 20 | 25         | 11             | 13 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-SDQCL11-25-C | 22 | 20 | 25         | 11             | 13 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-SDQCR11-32-C | 27 | 25 | 31         | 14             | 17 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-SDQCL11-32-C | 27 | 25 | 31         | 14             | 17 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-SDQCR11-40-C | 30 | 32 | 40         | 18             | 20 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-SDQCL11-40-C | 30 | 32 | 40         | 18             | 20 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S40-FSCK4-SDQCR11-50-C | 33 | 40 | 50         | 22             | 25 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S40-FSCK4-SDQCL11-50-C | 33 | 40 | 50         | 22             | 25 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S50-FSCK5-SDQCR11-56-C | 35 | 50 | 56         | 28             | 30 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.50                  |
| S50-FSCK5-SDQCL11-56-C | 35 | 50 | 56         | 28             | 30 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.50                  |

•長度單位 Unit of Length (mm)

## SDUC 模組化內徑車刀

### SDUC MODULAR TURNING TOOL HEAD

KOVIT

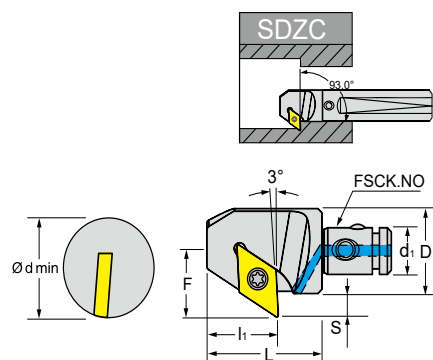


| 規格<br>Spec.            | L  | D  | 最小加工徑<br>d | d <sub>1</sub> | F    | 刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|------------|----------------|------|--------------|---------------|--------------|------------------------|-----------------------|
| S20-FSCK1-SDUCR11-23-C | 22 | 20 | 23         | 11             | 12.5 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.07                  |
| S20-FSCK1-SDUCL11-23-C | 22 | 20 | 23         | 11             | 12.5 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-SDUCR11-25-C | 22 | 20 | 25         | 11             | 13   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-SDUCL11-25-C | 22 | 20 | 25         | 11             | 13   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-SDUCR11-32-C | 25 | 25 | 32         | 14             | 17   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-SDUCL11-32-C | 25 | 25 | 32         | 14             | 17   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-SDUCR11-40-C | 30 | 32 | 40         | 18             | 20   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.20                  |
| S32-FSCK3-SDUCL11-40-C | 30 | 32 | 40         | 18             | 20   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S40-FSCK4-SDUCR11-46-C | 33 | 40 | 46         | 22             | 25   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S40-FSCK4-SDUCL11-46-C | 33 | 40 | 46         | 22             | 25   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S50-FSCK5-SDUCR11-56-C | 35 | 50 | 56         | 28             | 30   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.50                  |
| S50-FSCK5-SDUCL11-56-C | 35 | 50 | 56         | 28             | 30   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.50                  |

## SDZC 模組化內徑車刀

### SDZC MODULAR TURNING TOOL HEAD

KOVIT



| 規格<br>Spec.            | L  | l <sub>1</sub> | D  | 最小加工徑<br>d | d <sub>1</sub> | F    | 刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------------|----|----------------|----|------------|----------------|------|--------------|---------------|--------------|------------------------|-----------------------|
| S20-FSCK1-SDZCR11-26-C | 29 | 18             | 20 | 26         | 11             | 15.5 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.10                  |
| S20-FSCK1-SDZCL11-26-C | 29 | 18             | 20 | 26         | 11             | 15.5 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-SDZCR11-33-C | 34 | 18             | 25 | 33         | 14             | 18   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.14                  |
| S25-FSCK2-SDZCL11-33-C | 34 | 18             | 25 | 33         | 14             | 18   | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-SDZCR11-40-C | 35 | 18             | 32 | 40         | 18             | 21.5 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-SDZCL11-40-C | 35 | 18             | 32 | 40         | 18             | 21.5 | DC..11T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |

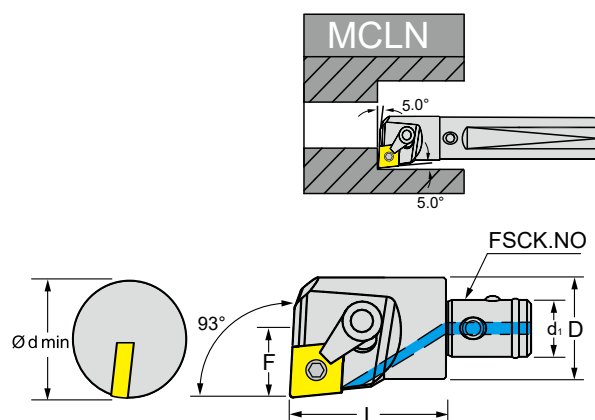
•長度單位 Unit of Length (mm)



## MCLN 模組化內徑車刀

### MCLN MODULAR TURNING TOOL HEAD

KOVIT



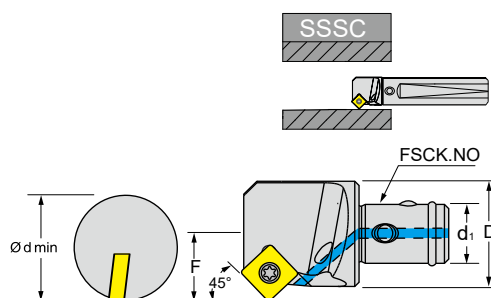
| 規格<br>Spec.            | L  | D  | 最小加工徑<br>d | d <sub>1</sub> | F  | 刀片<br>Insert | 墊片<br>Shim | 墊片螺絲<br>Screw | 扳手<br>Wrench | 壓板<br>Clamp | 壓板螺絲<br>Screw | 扳手<br>Wrench | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|------------|----------------|----|--------------|------------|---------------|--------------|-------------|---------------|--------------|-----------------------|
| S20-FSCK1-MCLNR12-25-C | 33 | 20 | 25         | 11             | 13 | CN..1204     | -          | MLP44         | PL2.5        | MC515       | MS520         | P2.5         | 0.08                  |
| S20-FSCK1-MCLNL12-25-C | 33 | 20 | 25         | 11             | 13 | CN..1204     | -          | MLP44         | PL2.5        | MC515       | MS520         | P2.5         | 0.08                  |
| S25-FSCK2-MCLNR12-32-C | 34 | 25 | 32         | 14             | 15 | CN..1204     | -          | MLP44         | PL2.5        | MC620       | MS620         | P3.0         | 0.12                  |
| S25-FSCK2-MCLNL12-32-C | 34 | 25 | 32         | 14             | 15 | CN..1204     | -          | MLP44         | PL2.5        | MC620       | MS620         | P3.0         | 0.12                  |
| S32-FSCK3-MCLNR12-40-C | 35 | 32 | 40         | 18             | 20 | CN..1204     | CMS432     | MLP46         | PL2.5        | MC620       | MS620         | P3.0         | 0.22                  |
| S32-FSCK3-MCLNL12-40-C | 35 | 32 | 40         | 18             | 20 | CN..1204     | CMS432     | MLP46         | PL2.5        | MC620       | MS620         | P3.0         | 0.22                  |
| S40-FSCK4-MCLNR12-46-C | 35 | 40 | 46         | 22             | 25 | CN..1204     | CMS432     | MLP46         | PL2.5        | MC620       | MS625         | P3.0         | 0.38                  |
| S40-FSCK4-MCLNL12-46-C | 35 | 40 | 46         | 22             | 25 | CN..1204     | CMS432     | MLP46         | PL2.5        | MC620       | MS625         | P3.0         | 0.38                  |
| S50-FSCK5-MCLNR12-60-C | 36 | 50 | 60         | 28             | 30 | CN..1204     | CMS432     | MLP46         | PL2.5        | MC620       | MS625         | P3.0         | 0.50                  |
| S50-FSCK5-MCLNL12-60-C | 36 | 50 | 60         | 28             | 30 | CN..1204     | CMS432     | MLP46         | PL2.5        | MC620       | MS625         | P3.0         | 0.50                  |



## SSSC 模組化內徑車刀

### SSSC MODULAR TURNING TOOL HEAD

KOVIT



| 規格<br>Spec.            | L  | D  | 最小加工徑<br>d | d <sub>1</sub> | F    | 刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|------------|----------------|------|--------------|---------------|--------------|------------------------|-----------------------|
| S20-FSCK1-SSSCR09-26-C | 22 | 20 | 26         | 11             | 13.5 | SC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-SSSCL09-26-C | 22 | 20 | 26         | 11             | 13.5 | SC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-SSSCR09-31-C | 27 | 25 | 31         | 14             | 16   | SC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-SSSCL09-31-C | 27 | 25 | 31         | 14             | 16   | SC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-SSSCR09-40-C | 30 | 32 | 40         | 18             | 19.5 | SC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-SSSCL09-40-C | 30 | 32 | 40         | 18             | 19.5 | SC..09T3     | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |

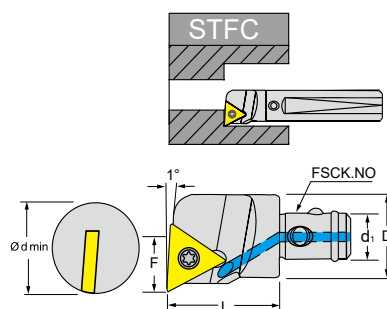
•長度單位 Unit of Length (mm)



## STFC 模組化內徑車刀

### STFC MODULAR TURNING TOOL HEAD

KOVIT



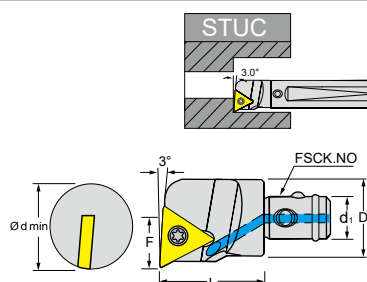
| 規格<br>Spec.            | L  | D  | 最小加工徑<br>d | d <sub>1</sub> | F    | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|------------|----------------|------|--------------|-----------------|--------------|------------------------|-----------------------|
| S20-FSCK1-STFCR11-22-C | 22 | 20 | 22         | 11             | 11   | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.08                  |
| S20-FSCK1-STFCL11-22-C | 22 | 20 | 22         | 11             | 11   | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.08                  |
| S20-FSCK1-STFCR16-22-C | 22 | 20 | 22         | 11             | 11.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-STFCL16-22-C | 22 | 20 | 22         | 11             | 11.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-STFCR11-28-C | 25 | 25 | 28         | 14             | 14   | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.12                  |
| S25-FSCK2-STFCL11-28-C | 25 | 25 | 28         | 14             | 14   | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.12                  |
| S25-FSCK2-STFCR16-28-C | 27 | 32 | 28         | 14             | 14   | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-STFCL16-28-C | 27 | 32 | 28         | 14             | 14   | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-STFCR16-38-C | 30 | 32 | 38         | 18             | 17.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-STFCL16-38-C | 30 | 32 | 38         | 18             | 17.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.22                  |
| S40-FSCK4-STFCR16-43-C | 33 | 40 | 50         | 22             | 21.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.38                  |
| S40-FSCK4-STFCL16-43-C | 33 | 40 | 50         | 22             | 21.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.38                  |
| S50-FSCK5-STFCR16-60-C | 35 | 50 | 60         | 28             | 26.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.50                  |
| S50-FSCK5-STFCL16-60-C | 35 | 50 | 60         | 28             | 26.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.50                  |



## STUC 模組化內徑車刀

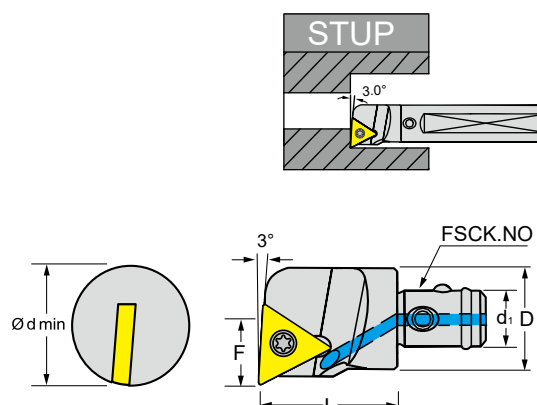
### STUC MODULAR TURNING TOOL HEAD

KOVIT



| 規格<br>Spec.            | L  | D  | 最小加工徑<br>d | d <sub>1</sub> | F    | 刀片<br>Insert | 螺絲<br>Screw     | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|------------|----------------|------|--------------|-----------------|--------------|------------------------|-----------------------|
| S20-FSCK1-STUCR11-22-C | 22 | 20 | 22         | 11             | 11   | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.08                  |
| S20-FSCK1-STUCL11-22-C | 22 | 20 | 22         | 11             | 11   | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.08                  |
| S25-FSCK2-STUCR11-28-C | 25 | 25 | 28         | 14             | 14   | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.12                  |
| S25-FSCK2-STUCL11-28-C | 25 | 25 | 28         | 14             | 14   | TC..1102     | M2.5-6.0-3.5-60 | T8           | 1.2                    | 0.12                  |
| S20-FSCK1-STUCR16-22-C | 22 | 20 | 22         | 11             | 11   | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-STUCL16-22-C | 22 | 20 | 22         | 11             | 11   | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-STUCR16-28-C | 27 | 25 | 28         | 14             | 14   | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-STUCL16-28-C | 27 | 25 | 28         | 14             | 14   | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-STUCR16-38-C | 30 | 32 | 38         | 18             | 17.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-STUCL16-38-C | 30 | 32 | 38         | 18             | 17.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.22                  |
| S40-FSCK4-STUCR16-50-C | 33 | 40 | 50         | 22             | 21.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.38                  |
| S40-FSCK4-STUCL16-50-C | 33 | 40 | 50         | 22             | 21.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.38                  |
| S50-FSCK5-STUCR16-60-C | 35 | 50 | 60         | 28             | 26.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.50                  |
| S50-FSCK5-STUCL16-60-C | 35 | 50 | 60         | 28             | 26.5 | TC..16T3     | M4-7.8-5.6-60   | T15          | 3.0                    | 0.50                  |

•長度單位 Unit of Length (mm)



| 規格<br>Spec.              | L  | D  | 最小加工徑<br>d | d <sub>1</sub> | F    | 刀片<br>Insert | 螺絲<br>Screw   | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|--------------------------|----|----|------------|----------------|------|--------------|---------------|--------------|------------------------|-----------------------|
| S20-FSCK1-STUPR11-22-C   | 22 | 20 | 22         | 11             | 11.5 | TP.1103      | M3-8.0-4.0-43 | T9           | 1.4                    | 0.08                  |
| S20-FSCK1-STUPL11-22-C   | 22 | 20 | 22         | 11             | 11.5 | TP.1103      | M3-8.0-4.0-43 | T9           | 1.4                    | 0.08                  |
| S25-FSCK2-STUPR11-30-C   | 25 | 25 | 30         | 14             | 15   | TP.1103      | M3-8.0-4.0-43 | T9           | 1.4                    | 0.12                  |
| S25-FSCK2-STUPL11-30-C   | 25 | 25 | 30         | 14             | 15   | TP.1103      | M3-8.0-4.0-43 | T9           | 1.4                    | 0.12                  |
| S20-FSCK1-STUPR1603-25-C | 22 | 20 | 25         | 11             | 13   | TP.1603      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-STUPL1603-25-C | 22 | 20 | 25         | 11             | 13   | TP.1603      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-STUPR1603-28-C | 27 | 25 | 28         | 14             | 14   | TP.1603      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-STUPL1603-28-C | 27 | 25 | 28         | 14             | 14   | TP.1603      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-STUPR1603-38-C | 30 | 32 | 38         | 18             | 17.5 | TP.1603      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-STUPL1603-38-C | 30 | 32 | 38         | 18             | 17.5 | TP.1603      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S40-FSCK4-STUPR1603-43-C | 33 | 40 | 43         | 22             | 21.5 | TP.1603      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S40-FSCK4-STUPL1603-43-C | 33 | 40 | 43         | 22             | 21.5 | TP.1603      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S50-FSCK5-STUPR1603-60-C | 35 | 50 | 60         | 28             | 26.5 | TP.1603      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.50                  |
| S50-FSCK5-STUPL1603-60-C | 35 | 50 | 60         | 28             | 26.5 | TP.1603      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.50                  |
| S20-FSCK1-STUPR16-25-C   | 22 | 20 | 25         | 11             | 13   | TP.16T3      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-STUPL16-25-C   | 22 | 20 | 25         | 11             | 13   | TP.16T3      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-STUPR16-28-C   | 27 | 25 | 28         | 14             | 14   | TP.16T3      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-STUPL16-28-C   | 27 | 25 | 28         | 14             | 14   | TP.16T3      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-STUPR16-38-C   | 30 | 32 | 38         | 18             | 17.5 | TP.16T3      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-STUPL16-38-C   | 30 | 32 | 38         | 18             | 17.5 | TP.16T3      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S40-FSCK4-STUPR16-50-C   | 33 | 40 | 50         | 22             | 21.5 | TP.16T3      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S40-FSCK4-STUPL16-50-C   | 33 | 40 | 50         | 22             | 21.5 | TP.16T3      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S50-FSCK5-STUPR16-53-C   | 35 | 50 | 53         | 28             | 26.5 | TP.16T3      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.50                  |
| S50-FSCK5-STUPL16-53-C   | 35 | 50 | 53         | 28             | 26.5 | TP.16T3      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.50                  |
| S20-FSCK1-STUPR1604-25-C | 22 | 20 | 25         | 11             | 13   | TP.1604      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-STUPL1604-25-C | 22 | 20 | 25         | 11             | 13   | TP.1604      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-STUPR1604-28-C | 27 | 25 | 28         | 14             | 14   | TP.1604      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-STUPL1604-28-C | 27 | 25 | 28         | 14             | 14   | TP.1604      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-STUPR1604-38-C | 30 | 32 | 38         | 18             | 17.5 | TP.1604      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-STUPL1604-38-C | 30 | 32 | 38         | 18             | 17.5 | TP.1604      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.22                  |
| S40-FSCK4-STUPR1604-43-C | 33 | 40 | 43         | 22             | 21.5 | TP.1604      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S40-FSCK4-STUPL1604-43-C | 33 | 40 | 43         | 22             | 21.5 | TP.1604      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.38                  |
| S50-FSCK5-STUPR1604-60-C | 35 | 50 | 60         | 28             | 26.5 | TP.1604      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.50                  |
| S50-FSCK5-STUPL1604-60-C | 35 | 50 | 60         | 28             | 26.5 | TP.1604      | M4-7.8-5.6-60 | T15          | 3.0                    | 0.50                  |

•長度單位 Unit of Length (mm)

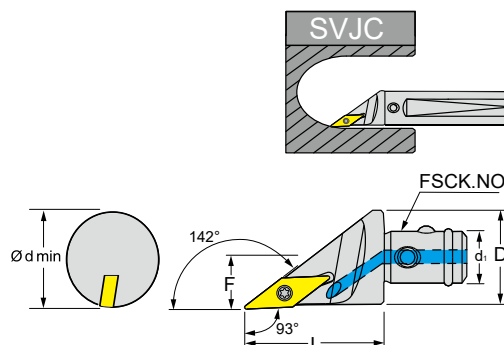




## SVJC 模組化內徑車刀

### SVJC MODULAR TURNING TOOL HEAD

KOVIT



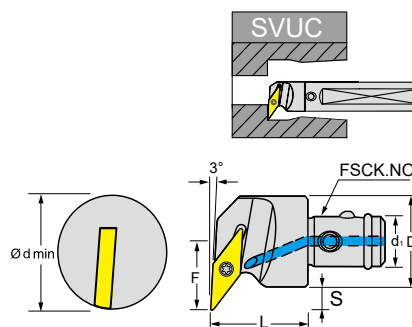
| 規格<br>Spec.            | L  | D  | 最小<br>加工徑<br>d | d <sub>1</sub> | F    | 車圓弧<br>最小加工徑 | 刀片<br>Insert | 螺絲<br>Screw      | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|----------------|----------------|------|--------------|--------------|------------------|--------------|------------------------|-----------------------|
| S20-FSCK1-SVJCR11-22-C | 29 | C  | 22             | 11             | 11   | 43           | VC..1103     | M2.5-6.0-3.5-60  | T8           | 1.2                    | 0.08                  |
| S20-FSCK1-SVJCL11-22-C | 29 | C  | 22             | 11             | 11   | 43           | VC..1103     | M2.5-6.0-3.5-60  | T8           | 1.2                    | 0.08                  |
| S20-FSCK1-SVJCR16-23-C | 33 | 11 | 23             | 11             | 11.5 | 43           | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-SVJCL16-23-C | 33 | 11 | 23             | 11             | 11.5 | 43           | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-SVJCR16-28-C | 35 | 25 | 28             | 14             | 14   | 49           | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-SVJCL16-28-C | 35 | 25 | 28             | 14             | 14   | 49           | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-SVJCR16-35-C | 39 | 32 | 35             | 18             | 17.5 | 67           | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-SVJCL16-35-C | 39 | 32 | 35             | 18             | 17.5 | 67           | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.22                  |



## SVUC 模組化內徑車刀

### SVUC MODULAR TURNING TOOL HEAD

KOVIT



| 規格<br>Spec.            | L  | D  | 最小<br>加工徑<br>d | d <sub>1</sub> | F  | S   | 刀片<br>Insert | 螺絲<br>Screw      | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|----------------|----------------|----|-----|--------------|------------------|--------------|------------------------|-----------------------|
| S20-FSCK1-SVUCR11-27-C | 22 | 20 | 27             | 11             | 15 | 5   | VC..1103     | M2.5-6.0-3.5-60  | T8           | 1.2                    | 0.08                  |
| S20-FSCK1-SVUCL11-27-C | 22 | 20 | 27             | 11             | 15 | 5   | VC..1103     | M2.5-6.0-3.5-60  | T8           | 1.2                    | 0.08                  |
| S25-FSCK2-SVUCR11-30-C | 25 | 25 | 30             | 14             | 17 | 4.5 | VC..1103     | M2.5-6.0-3.5-60  | T8           | 1.2                    | 0.12                  |
| S25-FSCK2-SVUCL11-30-C | 25 | 25 | 30             | 14             | 17 | 4.5 | VC..1103     | M2.5-6.0-3.5-60  | T8           | 1.2                    | 0.12                  |
| S20-FSCK1-SVUCR16-31-C | 27 | 20 | 31             | 11             | 19 | 9   | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.08                  |
| S20-FSCK1-SVUCL16-31-C | 27 | 20 | 31             | 11             | 19 | 9   | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.08                  |
| S25-FSCK2-SVUCR16-33-C | 27 | 25 | 33             | 14             | 18 | 5.5 | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.12                  |
| S25-FSCK2-SVUCL16-33-C | 27 | 25 | 33             | 14             | 18 | 5.5 | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.12                  |
| S32-FSCK3-SVUCR16-40-C | 30 | 32 | 40             | 18             | 22 | 6   | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.22                  |
| S32-FSCK3-SVUCL16-40-C | 30 | 32 | 40             | 18             | 22 | 6   | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.22                  |
| S40-FSCK4-SVUCR16-48-C | 33 | 40 | 48             | 22             | 27 | 7   | VC..1604     | M3.5-11.7-5.3-60 | T15          | 3.0                    | 0.38                  |
| S40-FSCK4-SVUCL16-48-C | 33 | 40 | 48             | 22             | 27 | 7   | VC..1604     | M3.5-7.6-5.1-60  | T15          | 3.0                    | 0.38                  |

•長度單位 Unit of Length (mm)

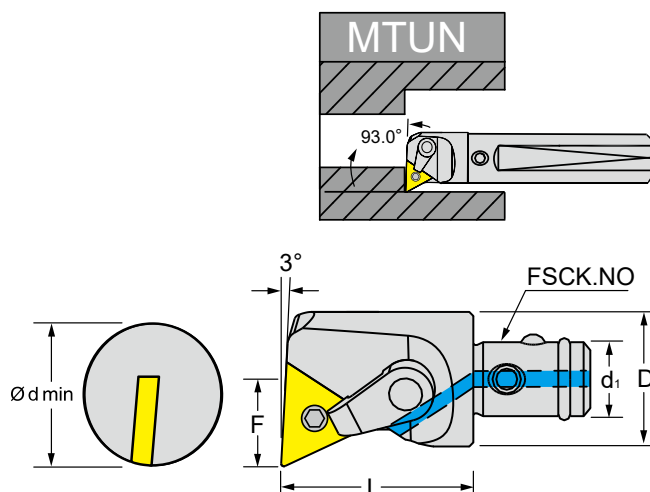




## MTUN 模組化內徑車刀

### MTUN MODULAR TURNING TOOL HEAD

KOVIT



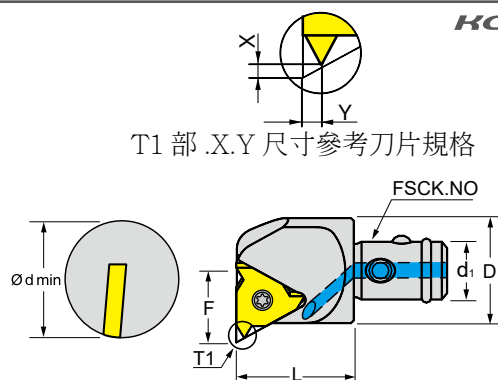
| 規格<br>Spec.            | L  | D  | 最小<br>加工<br>徑 d | d <sub>1</sub> | F  | 刀片<br>Insert | 墊片<br>Shim | 墊片螺絲<br>Shim Screw | 扳手<br>Wrench | 壓板<br>Clamp | 壓板螺絲<br>Screw | 扳手<br>Wrench | 重量<br>(KGS)<br>Weight |
|------------------------|----|----|-----------------|----------------|----|--------------|------------|--------------------|--------------|-------------|---------------|--------------|-----------------------|
| S20-FSCK1-MTUNR16-25-C | 29 | 20 | 25              | 11             | 13 | TN..1604     | -          | MLP33L             | PL2          | MC515       | MS520         | PL2.5/PL2.0  | 0.08                  |
| S20-FSCK1-MTUNL16-25-C | 29 | 20 | 25              | 11             | 13 | TN..1604     | -          | MLP33L             | PL2          | MC515       | MS520         | PL2.5/PL2.0  | 0.08                  |
| S25-FSCK2-MTUNR16-32-C | 30 | 25 | 32              | 14             | 17 | TN..1604     | -          | MLP33L             | PL2          | MC620       | MS620         | PL3/PL2.0    | 0.12                  |
| S25-FSCK2-MTUNL16-32-C | 30 | 25 | 32              | 14             | 17 | TN..1604     | -          | MLP33L             | PL2          | MC620       | MS620         | PL3/PL2.0    | 0.12                  |
| S32-FSCK3-MTUNR16-40-C | 34 | 32 | 40              | 18             | 20 | TN..1604     | TMS322     | MLP34L             | PL2          | MC620       | MS625         | PL3/PL2.0    | 0.22                  |
| S32-FSCK3-MTUNL16-40-C | 34 | 32 | 40              | 18             | 20 | TN..1604     | TMS322     | MLP34L             | PL2          | MC620       | MS625         | PL3/PL2.0    | 0.22                  |
| S40-FSCK4-MTUNR16-47-C | 35 | 40 | 47              | 22             | 26 | TN..1604     | TMS322     | MLP34L             | PL2          | MC620       | MS625         | PL3/PL2.0    | 0.38                  |
| S40-FSCK4-MTUNL16-47-C | 35 | 40 | 47              | 22             | 26 | TN..1604     | TMS322     | MLP34L             | PL2          | MC620       | MS625         | PL3/PL2.0    | 0.38                  |
| S50-FSCK5-MTUNR16-57-C | 36 | 50 | 57              | 28             | 31 | TN..1604     | TMS322     | MLP34L             | PL2          | MC620       | MS625         | PL3/PL2.0    | 0.50                  |
| S50-FSCK5-MTUNL16-57-C | 36 | 50 | 57              | 28             | 31 | TN..1604     | TMS322     | MLP34L             | PL2          | MC620       | MS625         | PL3/PL2.0    | 0.50                  |



## SIR 模組化內徑車刀

### SIR MODULAR TURNING TOOL HEAD

KOVIT



T1 部 .X.Y 尺寸參考刀片規格

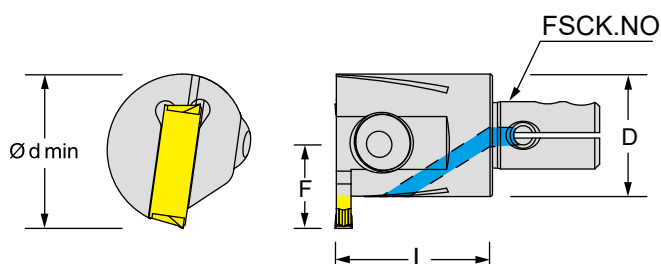
| 規格<br>Spec.          | L  | D  | d  | d <sub>1</sub> | F    | 刀片<br>Insert | 螺絲<br>Screw      | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 墊片<br>Shim | 螺絲<br>Screw | 扳手<br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|----------------------|----|----|----|----------------|------|--------------|------------------|--------------|------------------------|------------|-------------|--------------|------------------------|-----------------------|
| S20-FSCK1-SIR16-24-C | 22 | 20 | 24 | 11             | 13.7 | 16IR         | M3.5-7.6-5.1-60  | T15          | 3.0                    | -          | -           | -            | -                      | 0.78                  |
| S25-FSCK2-SIR16-29-C | 27 | 25 | 29 | 14             | 16.2 | 16IR         | M3.5-12.0-5.4-67 | T15          | 3.0                    | GXN16      | HTM3        | P2.5         | 5.0                    | 0.14                  |

•長度單位 Unit of Length (mm)

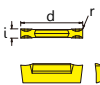
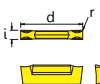
# DGIR 模組化內徑切槽刀

## DGIR MODULAR TURNING TOOL HEAD

**KOVIT**



| 規格<br>Spec.          | L  | D  | 最小加工徑<br>d | F    | 最大切深<br>Ap | 刀片<br>Insert | 螺絲<br><br>Screw | 扳手<br><br>Wrench | 扭力值<br>(N.m)<br>Torque | 重量<br>(KGS)<br>Weight |
|----------------------|----|----|------------|------|------------|--------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------|-----------------------|
| S20-FSCK1-DGIR2-26-C | 25 | 20 | 26         | 15.2 | 5          | DGN2         | M5-0.8P-16L                                                                                        | PL3                                                                                                 | 5.0                    | -                     |
| S20-FSCK1-DGIR2-31-C | 25 | 20 | 31         | 20.2 | 10         | DGN2         | M5-0.8P-16L                                                                                        | PL3                                                                                                 | 5.0                    | -                     |
| S20-FSCK1-DGIR2-36-C | 25 | 20 | 36         | 25.2 | 15         | DGN2         | M5-0.8P-16L                                                                                        | PL3                                                                                                 | 5.0                    | -                     |
| S20-FSCK1-DGIR3-26-C | 25 | 20 | 26         | 15.2 | 5          | DGN3         | M5-0.8P-16L                                                                                        | PL3                                                                                                 | 5.0                    | -                     |
| S20-FSCK1-DGIR3-31-C | 25 | 20 | 31         | 20.2 | 10         | DGN3         | M5-0.8P-16L                                                                                        | PL3                                                                                                 | 5.0                    | -                     |
| S20-FSCK1-DGIR3-36-C | 25 | 20 | 36         | 25.2 | 15         | DGN3         | M5-0.8P-16L                                                                                        | PL3                                                                                                 | 5.0                    | -                     |
| S25-FSCK2-DGIR2-31-C | 25 | 25 | 31         | 17.7 | 5          | DGN2         | M5-0.8P-16L                                                                                        | PL4                                                                                                 | 5.0                    | 0.14                  |
| S25-FSCK2-DGIR2-36-C | 25 | 25 | 36         | 22.7 | 10         | DGN2         | M5-0.8P-16L                                                                                        | PL4                                                                                                 | 5.0                    | 0.15                  |
| S25-FSCK2-DGIR2-41-C | 25 | 25 | 41         | 27.7 | 15         | DGN2         | M5-0.8P-16L                                                                                        | PL4                                                                                                 | 5.0                    | 0.15                  |
| S25-FSCK2-DGIR3-31-C | 25 | 25 | 31         | 17.7 | 5          | DGN3         | M5-0.8P-16L                                                                                        | PL4                                                                                                 | 5.0                    | 0.15                  |
| S25-FSCK2-DGIR3-36-C | 25 | 25 | 36         | 22.7 | 10         | DGN3         | M5-0.8P-16L                                                                                        | PL4                                                                                                 | 5.0                    | 0.15                  |
| S25-FSCK2-DGIR3-41-C | 25 | 25 | 41         | 27.7 | 15         | DGN3         | M5-0.8P-16L                                                                                        | PL4                                                                                                 | 5.0                    | 0.16                  |

|                                                                                     |             |                                   |   |  |  |  |  |  |  |  |  |  |         |                                                                                                                   |     |   |               |                                                                                       |
|-------------------------------------------------------------------------------------|-------------|-----------------------------------|---|--|--|--|--|--|--|--|--|--|---------|-------------------------------------------------------------------------------------------------------------------|-----|---|---------------|---------------------------------------------------------------------------------------|
| ISO<br>分類                                                                           | P           | 合金鋼 Alloyed Steels                | ○ |  |  |  |  |  |  |  |  |  |         | 切削狀態 Cutting Condition :<br><br>● 連續切削 Continuous Cutting<br>○ 一般切削 General Cutting<br>■ 斷續切削 Interrupted Cutting |     |   |               |                                                                                       |
|                                                                                     | M           | 不鏽鋼 Stainless Steels              | ○ |  |  |  |  |  |  |  |  |  |         |                                                                                                                   |     |   |               |                                                                                       |
|                                                                                     | K           | 鑄鐵 Cast Iron                      | ○ |  |  |  |  |  |  |  |  |  |         |                                                                                                                   |     |   |               |                                                                                       |
|                                                                                     | N           | 鋁及鋁合金 Aluminum&Al                 |   |  |  |  |  |  |  |  |  |  |         |                                                                                                                   |     |   |               |                                                                                       |
|                                                                                     | S           | 高溫合金 Refractory Alloys            |   |  |  |  |  |  |  |  |  |  |         |                                                                                                                   |     |   |               |                                                                                       |
|                                                                                     | H           | 高硬度材 Hard Material                |   |  |  |  |  |  |  |  |  |  |         |                                                                                                                   |     |   |               |                                                                                       |
| 形狀<br>Shape                                                                         | 規格<br>Spec. | 鍍層超微粒<br>Layer coated micro grain |   |  |  |  |  |  |  |  |  |  | 尺寸 (mm) |                                                                                                                   |     |   | 圖形<br>Drawing |                                                                                       |
|                                                                                     |             | CHF                               |   |  |  |  |  |  |  |  |  |  | Size    |                                                                                                                   |     |   |               |                                                                                       |
|                                                                                     |             | RM4025                            |   |  |  |  |  |  |  |  |  |  |         | d                                                                                                                 | i   | s |               | r                                                                                     |
|  | DGN2202-J1  | ●                                 |   |  |  |  |  |  |  |  |  |  |         | 19.8                                                                                                              | 2.2 | - | 0.2           |  |
|                                                                                     |             |                                   |   |  |  |  |  |  |  |  |  |  |         |                                                                                                                   |     |   |               |                                                                                       |
|                                                                                     |             |                                   |   |  |  |  |  |  |  |  |  |  |         |                                                                                                                   |     |   |               |                                                                                       |
|  | DGN3102-J1  | ●                                 |   |  |  |  |  |  |  |  |  |  |         | 20.1                                                                                                              | 3.1 | - | 0.2           |  |
|                                                                                     |             |                                   |   |  |  |  |  |  |  |  |  |  |         |                                                                                                                   |     |   |               |                                                                                       |
|                                                                                     |             |                                   |   |  |  |  |  |  |  |  |  |  |         |                                                                                                                   |     |   |               |                                                                                       |

•長度單位 Unit of Length (mm)



# 搪孔切削測試報告表

## TEST REPORT FOR BORING

客戶名稱 Company name :

填表日期 Date: 年 Year/ 月 Month/ 日 Day

填表人 Name: 主管 Director:

|                                              |                                                                    |                                              |                                                                                 |                                                |                                                        |
|----------------------------------------------|--------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------|
| 機械條件<br>Machining condition                  | 廠牌型號<br>Machine Model                                              |                                              | 主軸內孔錐度<br>Spindle Tapper of inside hole                                         |                                                |                                                        |
|                                              | 控制器<br>Controller                                                  |                                              | 床檯驅動方式<br>Table driver                                                          |                                                |                                                        |
| 刀具條件 Cutter feature                          |                                                                    |                                              |                                                                                 |                                                |                                                        |
| 搪孔刀具規格<br>Boring cutter spec.                | 搪孔刀柄<br>Boring holder                                              |                                              | 搪孔頭<br>Boring head                                                              | 小搪孔桿<br>Small boring bar                       |                                                        |
| 搪孔刀片規格<br>Boring insert spec.                |                                                                    |                                              | 待加工圖面<br>rough drawing                                                          |                                                |                                                        |
| 搪孔刀具刃數<br>Number of Flutes for boring cutter |                                                                    |                                              |                                                                                 |                                                |                                                        |
| 切削條件 Cutting process                         |                                                                    |                                              |                                                                                 |                                                |                                                        |
| 搪孔型式<br>Boring process                       | <input type="checkbox"/> 粗搪<br>rough boring                        | <input type="checkbox"/> 中搪<br>medium boring |                                                                                 |                                                | <input type="checkbox"/> 精搪<br>fine boring             |
| 線速度<br>Linear Speed                          |                                                                    |                                              |                                                                                 |                                                | m/min                                                  |
| 主軸轉速<br>RPM                                  |                                                                    |                                              |                                                                                 |                                                | rpm                                                    |
| 床檯進給<br>Table speed                          |                                                                    |                                              |                                                                                 |                                                | mm/min                                                 |
| 每刃進給<br>feed per tooth                       |                                                                    |                                              |                                                                                 |                                                | mm/t                                                   |
| 搪孔切屑量<br>Chip amount of boring               |                                                                    |                                              |                                                                                 |                                                | mm/min                                                 |
| 搪孔直徑<br>Diameter of boring                   |                                                                    |                                              |                                                                                 |                                                | mm/min                                                 |
| 搪孔深度<br>Depth of boring                      |                                                                    |                                              |                                                                                 |                                                | mm/min                                                 |
| 搪孔狀況<br>Boring process                       | <input type="checkbox"/> 連續切削 continuous                           |                                              | <input type="checkbox"/> 斷續切削 interrupted                                       | 鐵屑現況<br>Iron chip status                       |                                                        |
| 相關配套 Relevant Supporting data                |                                                                    |                                              |                                                                                 |                                                |                                                        |
| 加工材質<br>Cutting material                     |                                                                    |                                              |                                                                                 |                                                |                                                        |
| 工件硬度<br>Workpiece hardness                   | HRC                                                                |                                              | HB                                                                              |                                                |                                                        |
| 加工時間<br>Cutting time                         | sec/min                                                            |                                              |                                                                                 |                                                |                                                        |
| 使用切削液<br>Coolant usage                       | <input type="checkbox"/> 有 Yes                                     | <input type="checkbox"/> 沒有 No               | <input type="checkbox"/> 氣冷 Air Cooling                                         |                                                |                                                        |
| 出水方式<br>coolant way                          | <input type="checkbox"/> 中心出水 Through Coolant                      |                                              | <input type="checkbox"/> 端面出水 Coolant from face-end                             |                                                | <input type="checkbox"/> 側邊出水<br>Coolant from side-end |
| 夾持工件方式<br>Method of clamping workpiece       | <input type="checkbox"/> 治具鎖定 ( 螺絲 )<br>Fixture screwed in (screw) |                                              | <input type="checkbox"/> 治具固定 ( 空、油壓方式 )<br>Fixture fixed ( by air / hydraulic) | <input type="checkbox"/> 虎鉗夾持<br>Vise clamping |                                                        |
| 排屑情況<br>Chip status                          | <input type="checkbox"/> 長屑 Long chip                              |                                              | <input type="checkbox"/> 短屑 Short chip                                          | <input type="checkbox"/> 卷屑 Coil chip          |                                                        |
| 採取對策方式 Action plan                           |                                                                    |                                              |                                                                                 |                                                |                                                        |
|                                              |                                                                    |                                              |                                                                                 |                                                |                                                        |



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