



豪力輝工業股份有限公司
HOLD WELL INDUSTRIAL CO., LTD.



Driven & Static
Driven & Static
Tool Holder



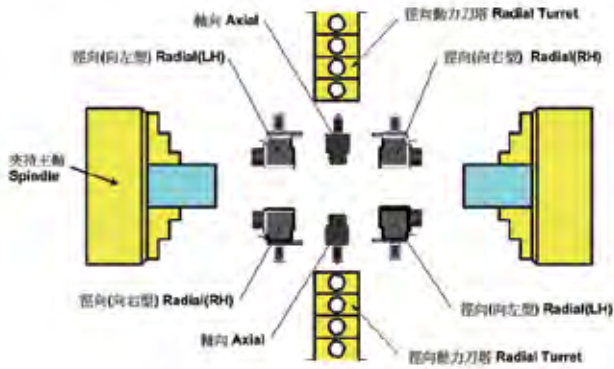
ISO 9001:2008
ID 9105040234

車銑複合機刀座
Tool Holder for CNC Lathes

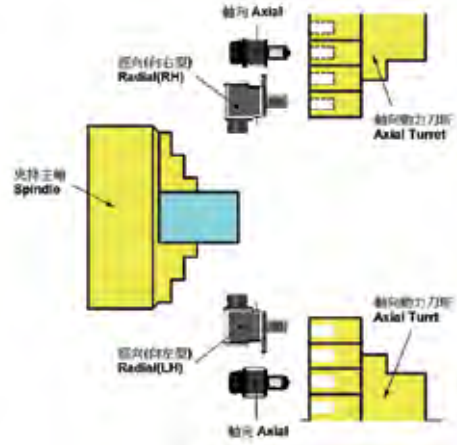


1. Application 刀塔與刀座應用

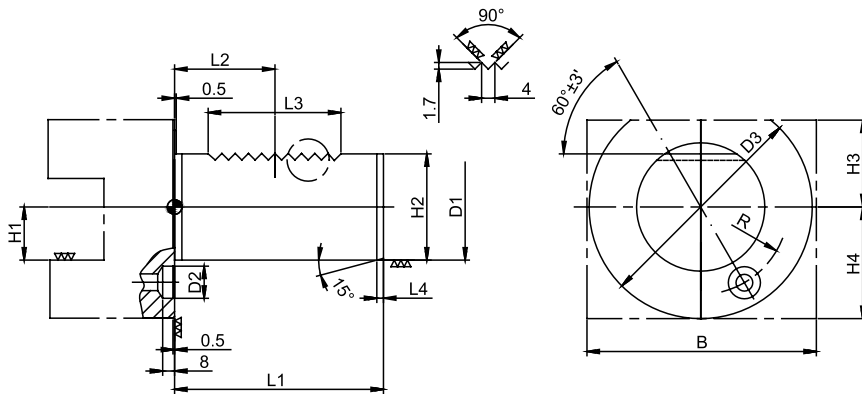
Radial Turret



Axial Turret



2. Driven Tool Holder is produced in accordance with DIN69880 接合面依據 DIN69880



Unit : mm

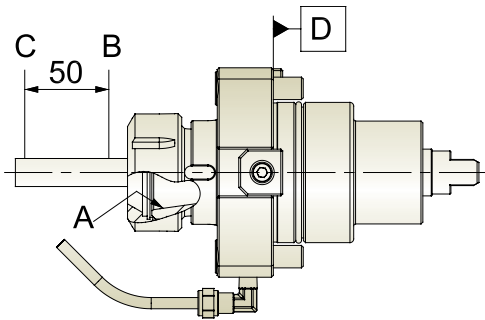
| D1 h6 | D2 | D3 | H1 max | H2 ±0.05 | H3 min | R ±0.02 | L1 max | L2 ±0.05 | L3 max | L4 max |
|----------|----|-----|-----------|-------------|-----------|------------|-----------|-------------|-----------|-----------|
| 20 | 10 | 50 | 16 | 18 | 25 | 18 | 40 | 21.7 | 24 | 2 |
| 25 | 10 | 58 | 16 | 23.5 | 25 | 21 | 48 | 21.7 | 24 | 2 |
| 30 | 14 | 68 | 20 | 27 | 28 | 25 | 55 | 29.7 | 40 | 2 |
| 40 | 14 | 83 | 25 | 36 | 32.5 | 32 | 63 | 29.7 | 40 | 3 |
| 50 | 16 | 98 | 32 | 45 | 35 | 37 | 78 | 35.7 | 48 | 3 |
| 60 | 16 | 123 | 32 | 55 | 42.5 | 48 | 94 | 43.7 | 56 | 4 |



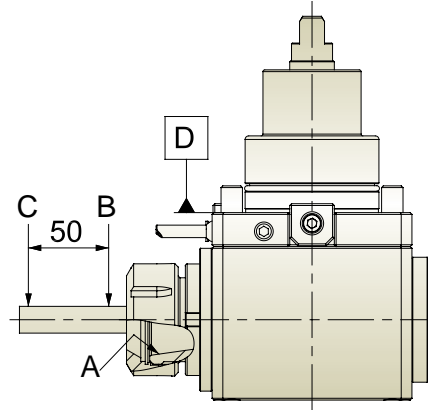
3. Accuracy 精度

- Cavity at Bore (A) : 0.003mm
- Test Bar at Face (B) : 0.01mm
- Test Bar at 50 mm (C) : 0.02mm
- Test Bar 50 mm for D's Parallelism: 0.01mm
- 內孔A處之偏擺度: 0.003mm
- 測試棒B處之偏擺度: 0.01mm
- 測試棒C處之偏擺度: 0.02mm
- 測試棒50mm對D面之平行度: 0.01mm

Axial Tool Holder 軸向刀座



Radial Tool Holder 徑向刀座



4. Instruction Manual for VDI Driven Tool Holder (Internal Coolant)

動力刀座使用說明 (中心出水型)

※ Cautions 注意事項：

- Driven Tool Holders with internal coolant through the spindle should never run without coolant. The coolant should flow through the tool before running. Running in dry condition damages the internal seals and cause overheating.
- The coolant should flow under 5 micron filter device.
- Max. permissible RPM should not run over 5 minutes.
- Never supply the coolant above max. permissible water pressure
- Please use the through-coolant toolings, coolant collet or coolant nut.
- Please switch off the external coolant system if only internal coolant function is need.
- Any hit with hammers and similar items on the surface is seriously forbidden.
- 運轉前需先供水，不可在沒有開啓冷卻液的情況下使用。
- 冷卻液需有5 micron以下的過濾裝置。
- 使用最大轉速時間需小於5分鐘。
- 不可超過刀座最大容許水壓。
- 使用刀具為有中心出水刀具，且需搭配止水筒夾及止水螺帽使用。
- 只需要中心出水時可將外部噴水關閉。
- 禁用鐵鎚等工件物敲擊外部。

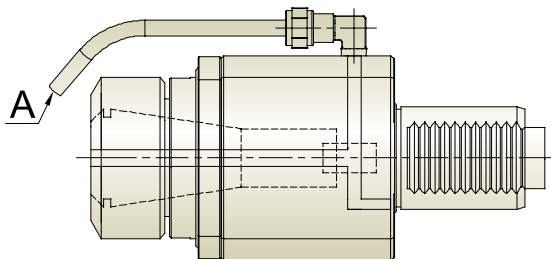


Fig.1

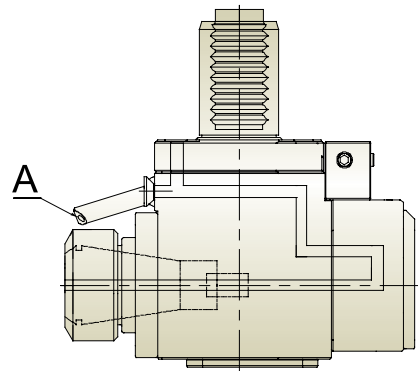


Fig.2

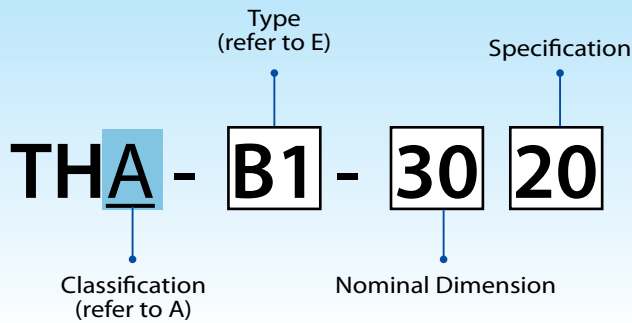
※ Recommendations 建議事項：

- In initial Start-up, please run the holder properly without any toolings for one hour to reduce the internal friction. Max. RPM in the first operation hour should not exceed 70 % of the Max. permissible RPM.
- 首次使用可以最大轉速的70% 無負載旋轉1小時，已達到磨合效果。

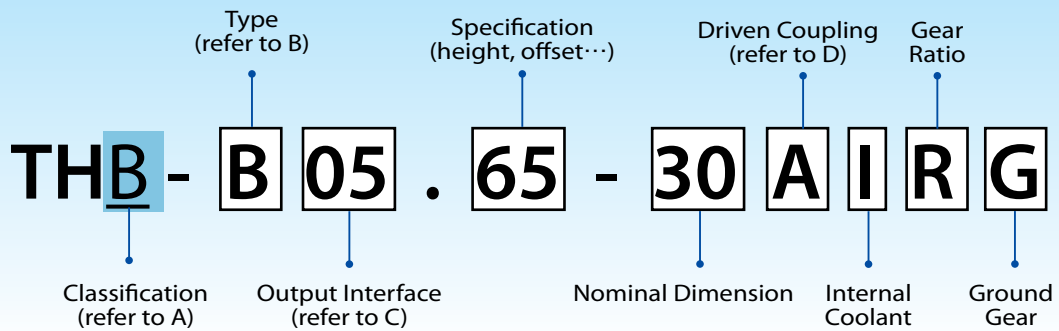


5. Code Standard

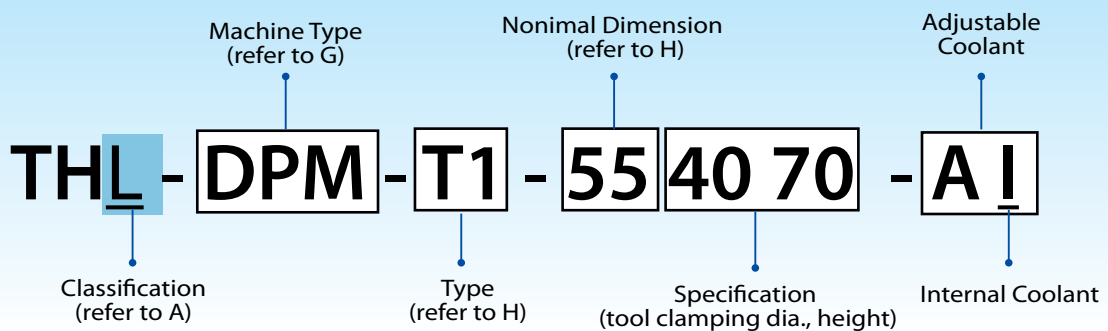
※ VDI Static Tool Holder



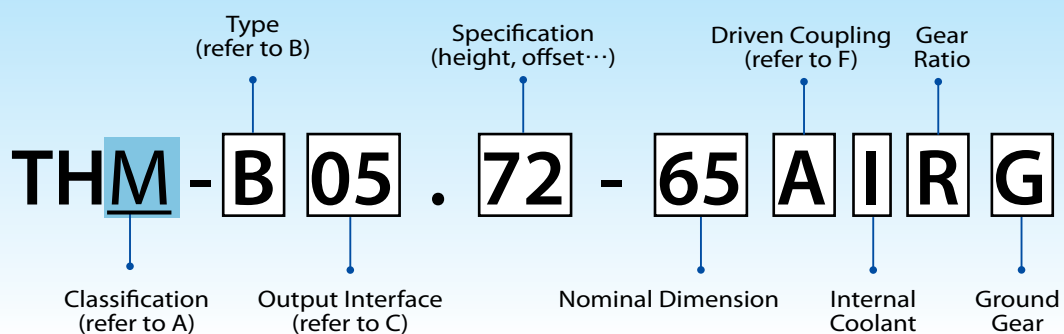
※ VDI Driven Tool Holder



※ BMT Static Tool Holder



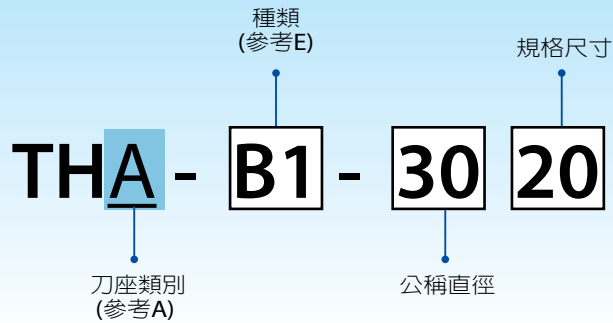
※ BMT Driven Tool Holder



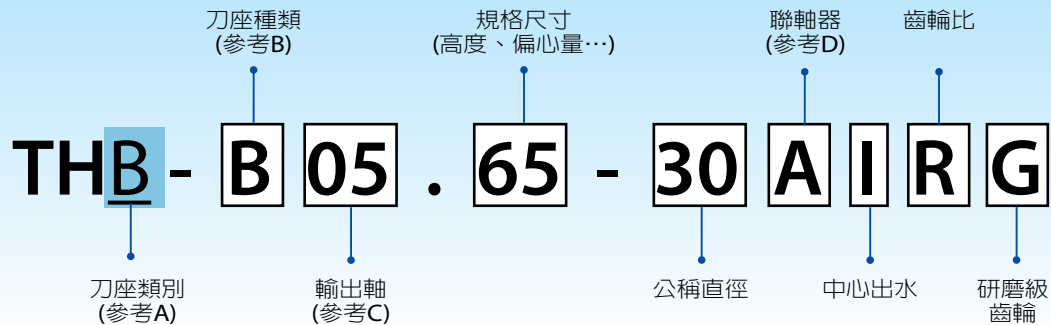


5. 編碼原則

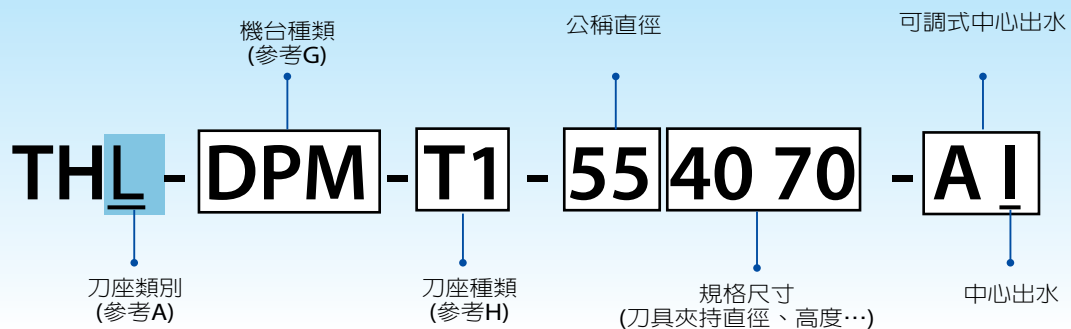
※ VDI 固定刀座



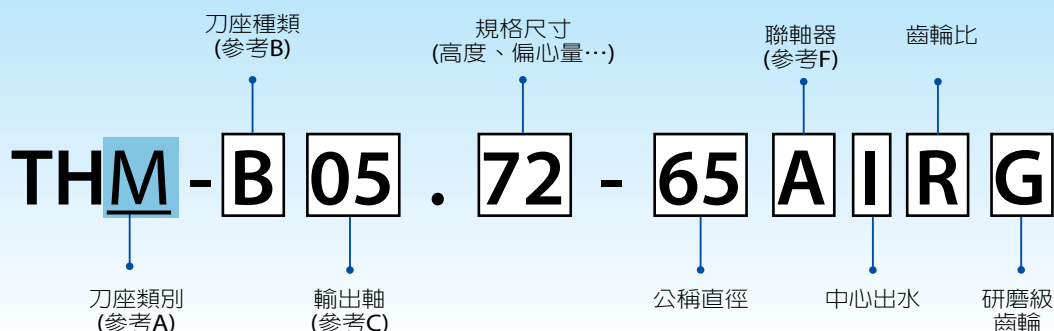
※ VDI 動力刀座



※ BMT 固定刀座



※ BMT 動力刀座



Driven & Static Tool Holder



A. Classification of Tool Holder

| | | | |
|---|------------------------|---|------------------------|
| A | VDI Static Tool Holder | L | BMT Static Tool Holder |
| B | VDI Driven Tool Holder | M | BMT Driven Tool Holder |

B. Type of Driven Tool Holder

| | | | | | |
|---|--------------------------|---|--------------------------------|---|---------------------------------------|
| A | Axial Tool Holder | D | Radial Offset Tool Holder | J | Side Mill |
| B | Radial Tool Holder | E | B Axial Swivel Tool Holder | R | Axial Swivel Gear Hobber Tool Holder |
| C | Axial Offset Tool Holder | H | Radial Double Head Tool Holder | T | Radial Swivel Gear Hobber Tool Holder |

C. Output Interface

| | | | | | |
|----|--------------------|----|-----------------------|----|--------------------|
| 01 | ER11 | 10 | Female Thread ER20 | 24 | Face Milling FMB22 |
| 02 | ER16 | 11 | Female Thread ER25 | 25 | Face Milling FMB27 |
| 03 | ER20 | 12 | Female Thread ER32 | 26 | Face Milling FMB32 |
| 04 | ER25 | 13 | Female Thread ER40 | 29 | Side Cutter SCA27 |
| 05 | ER32 | 14 | Female Thread ER50 | 36 | HSK25 |
| 06 | ER40 | 15 | ER Tapping TER20 | 37 | HSK32 |
| 07 | ER50 | 16 | ER Tapping TER32 | 38 | HSK40 |
| 08 | Female Thread ER11 | 22 | Face Milling FMA25.4 | 39 | HSK50 |
| 09 | Female Thread ER16 | 23 | Face Milling FMA31.75 | 40 | HSK63 |

D. VDI Driven Coupling

| | | | | | |
|---|----------|---|-------------------|-------|-------------|
| A | DIN 1809 | D | MT (Baruffaldi) | G | HAAS 130 |
| B | DIN 5480 | E | HAAS 104 | H | Hyundai Kia |
| C | DIN 5482 | F | HAAS 117 | J / K | OKUMA VDI |

E. VDI Static Tool Holder

| | | | | | |
|----|---|-----|--|----|-------------------------------|
| B1 | Radial Tool Holder right hand, short | BC1 | Radial-Axial Tool Holder right hand | E4 | ER Collet Chuck Tool Holder |
| B2 | Radial Tool Holder left hand, short | BC2 | Radial-Axial Tool Holder left hand | F1 | Morse Taper Tool Holder |
| B3 | Radial Tool Holder Overhead right hand, short | BC3 | Radial-Axial Tool Holder Overhead right hand | G1 | Quick Locking Drill Chuck |
| B4 | Radial Tool Holder Overhead left hand, short | BC4 | Radial-Axial Tool Holder Overhead left hand | H1 | Cut-off Holder |
| C1 | Axial Tool Holder right hand, short | D1 | Multiple Tool Holder | T1 | Radial Boring Bar Tool Holder |
| C2 | Axial Tool Holder left hand, short | D2 | Multiple Tool Holder | TA | Test Arbor |
| C3 | Axial Tool Holder Overhead right hand, short | E1 | Tool Holder for U Drill | Z2 | Plug |
| C4 | Axial Tool Holder Overhead left hand, short | E2 | Side Lock Tool Holder | | |

F. BMT Driven Coupling

| | | | | | | | | | |
|-----|-------------|---|-------------|---|---------------|---|-------------|---|---------------|
| A/C | DOOSAN PUMA | B | DOOSAN 5480 | G | MORI SEIKI NL | N | NAKAMURA WT | M | MAZAK QTN/SQT |
|-----|-------------|---|-------------|---|---------------|---|-------------|---|---------------|

G. BMT Machine Type

| | | | | | | | |
|-----|---------------|-----|-------------|-----|---------------|-----|---------------|
| DPM | DOOSAN PUMA | NWT | NAKAMURA WT | MNL | MORI SEIKI NL | MQT | MAZAK QTN/SQT |
| MNZ | MORI SEIKI NZ | KB | OKUMA LB | KT | OKUMA LT | | |

H. BMT Static Tool Holder

| | | | | | |
|----|-----------------------------|---|---------------------------|----|--------------------------------|
| B | Face and ID Tool Holder | E | Axial Tool Holder (ID) | TA | Test Arbor |
| C | Face and OD Tool Holder | F | Morse Taper Tool Holder | Z | Plug |
| BC | Radial-Axial Tool Holder | G | Quick Locking Drill Chuck | H | Cut-off Tool Holder |
| D | Multiple Tool Holder (OD) | T | Boring Bar Tool Holder | CD | Double Face and OD Tool Holder |



A. 刀座類別分類表

| | | | |
|---|---------|---|---------|
| A | VDI 無動力 | L | BMT 無動力 |
| B | VDI 動力 | M | BMT 動力 |

B. 刀座種類分類表

| | | | | | |
|---|----------|---|-----------|---|------------|
| A | 軸向動力刀座 | D | 徑向內縮動力刀座 | J | 測銑刀動力刀座 |
| B | 徑向動力刀座 | E | B 軸擺動動力刀座 | R | 軸向擺動滾齒動力刀座 |
| C | 軸向偏心動力刀座 | H | 徑向雙頭動力刀座 | T | 徑向擺動滾齒動力刀座 |

C. 輸出軸分類表

| | | | | | |
|----|---------|----|---------------|----|-----------|
| 01 | ER11 | 10 | 內牙 ER20 | 24 | FMB22 面銑刀 |
| 02 | ER16 | 11 | 內牙 ER25 | 25 | FMB27 面銑刀 |
| 03 | ER20 | 12 | 內牙 ER32 | 26 | FMB32 面銑刀 |
| 04 | ER25 | 13 | 內牙 ER40 | 29 | SCA27 測銑刀 |
| 05 | ER32 | 14 | 內牙 ER50 | 36 | HSK25 |
| 06 | ER40 | 15 | TER20 ER 彈性攻牙 | 37 | HSK32 |
| 07 | ER50 | 16 | TER32 ER 彈性攻牙 | 38 | HSK40 |
| 08 | 內牙 ER11 | 22 | FMA25.4 面銑刀 | 39 | HSK50 |
| 09 | 內牙 ER16 | 23 | FMA31.75 面銑刀 | 40 | HSK63 |

D. VDI 聯軸器種類表

| | | | | | |
|---|----------|---|-------------------|-------|-------------|
| A | DIN 1809 | D | MT (Baruffaldi) | G | HAAS 130 |
| B | DIN 5480 | E | HAAS 104 | H | Hyundai Kia |
| C | DIN 5482 | F | HAAS 117 | J / K | OKUMA VDI |

E. VDI 固定刀座分類表

| | | | | | |
|----|-----------|-----|-----------------|----|---------------|
| B1 | 徑向外徑右手型刀座 | BC1 | 徑軸向外徑右手型刀座 | E4 | 軸向內徑 ER 筒夾式刀座 |
| B2 | 徑向外徑左手型刀座 | BC2 | 徑軸向外徑左手型刀座 | F1 | 莫式刀座 |
| B3 | 徑向外徑右手型刀座 | BC3 | 徑軸向外徑右手型刀座 | G1 | 鑽孔夾頭刀座 |
| B4 | 徑向外徑左手型刀座 | BC4 | 徑軸向外徑左手型刀座 | H1 | 徑向側固式內孔刀座 |
| C1 | 軸向外徑右手型刀座 | D1 | 萬向外徑刀座 | T1 | 徑向側固式內孔刀座 |
| C2 | 軸向外徑左手型刀座 | D2 | 萬向外徑刀座 | TA | 測試棒 |
| C3 | 軸向外徑右手型刀座 | E1 | 軸向內徑 U Drill 刀座 | Z2 | 防塵蓋 |
| C4 | 軸向外徑左手型刀座 | E2 | 軸向內徑側固式刀座 | | |

F. BMT 聯軸器種類表

| | | | | | | | | | |
|-----|-------------|---|-------------|---|---------------|---|-------------|---|---------------|
| A/C | DOOSAN PUMA | B | DOOSAN 5480 | G | MORI SEIKI NL | N | NAKAMURA WT | M | MAZAK QTN/SQT |
|-----|-------------|---|-------------|---|---------------|---|-------------|---|---------------|

G. BMT 機台種類

| | | | | | | | |
|-----|---------------|-----|-------------|-----|---------------|-----|---------------|
| DPM | DOOSAN PUMA | NWT | NAKAMURA WT | MNL | MORI SEIKI NL | MQT | MAZAK QTN/SQT |
| MNZ | MORI SEIKI NZ | KB | OKUMA LB | KT | OKUMA LT | | |

H. BMT 固定刀座分類表

| | | | | | |
|----|----------|---|--------|----|--------|
| B | 端面及內徑刀座 | E | 軸向內徑刀座 | TA | 測試棒 |
| C | 端面及外徑刀座 | F | 莫式刀座 | Z | 防塵蓋 |
| BC | 徑 - 軸向刀座 | G | 鑽夾頭 | H | 切斷刀座 |
| D | 萬向外徑刀座 | T | 內孔刀座 | CD | 多刃端面刀座 |



CONTENTS 目錄

DIN 1809 1



HYUNDAI KIA 7



DIN 5480 8



DIN 5482 14



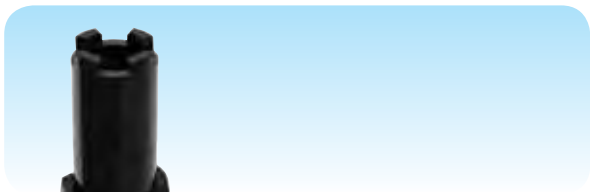
SPUR MT TOEM 16



OKUMA 22

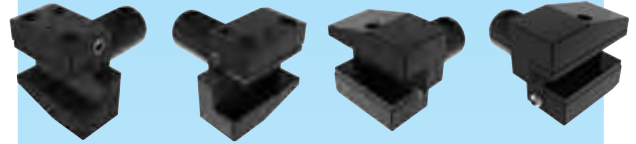


HAAS 24

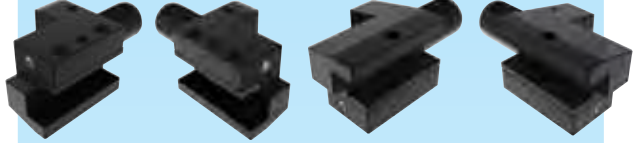


VDI Static VDI 固定刀座 28

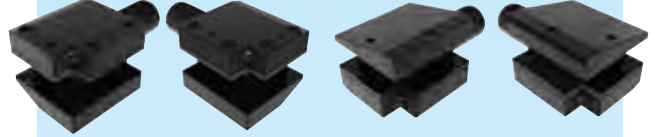
B1 B2 B3 B4



C1 C2 C3 C4



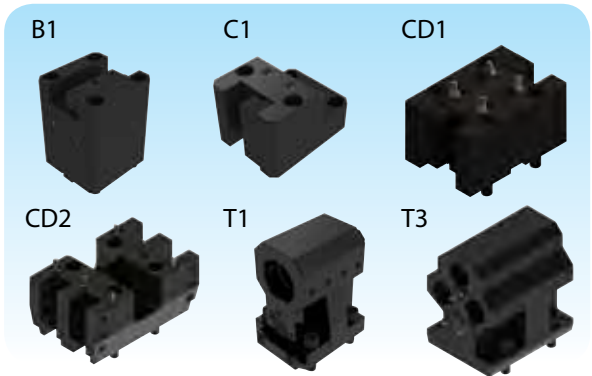
B1/C1 B2/C2 B3/C3 B4/C4



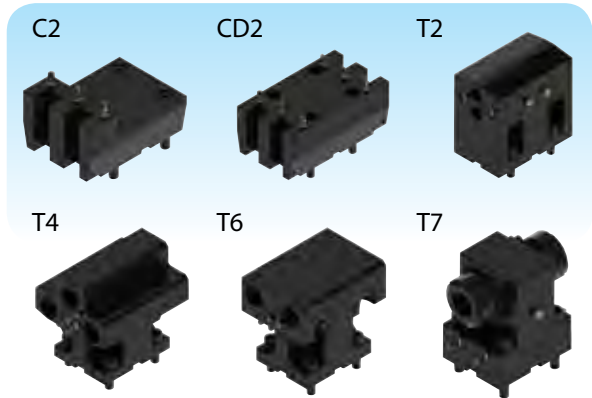
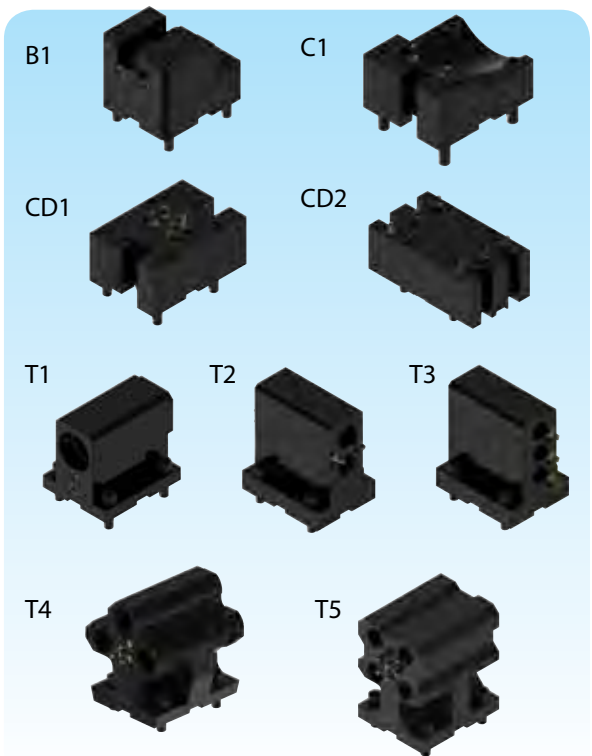


CONTENTS 目錄

DOOSAN 35



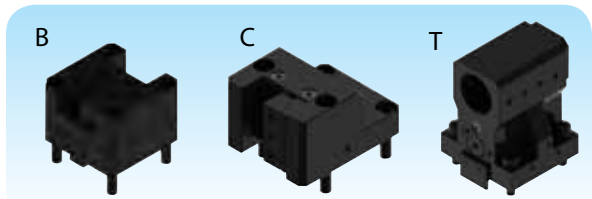
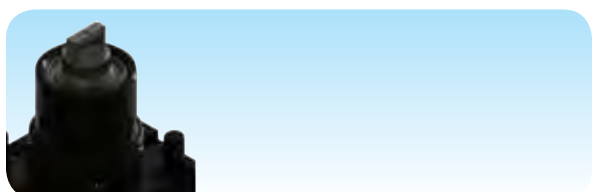
MORI SEIKI 42



MAZAK 50



NAKAMURA 54





CONTENTS 目錄

OKUMA

56

A1



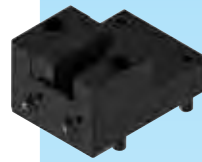
B1



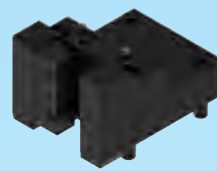
B2



B1



C1



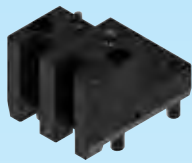
C2



C1



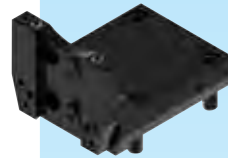
C2



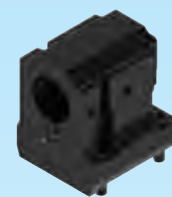
CD1



H1



T1



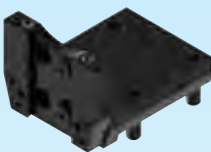
T3



CD2



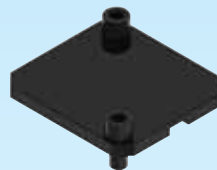
H1



T1



PLUG



T2



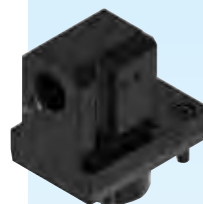
T3



T3



T1



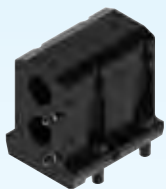
B2



C1



T4



T5



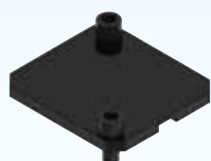
T6



CD1



PLUG



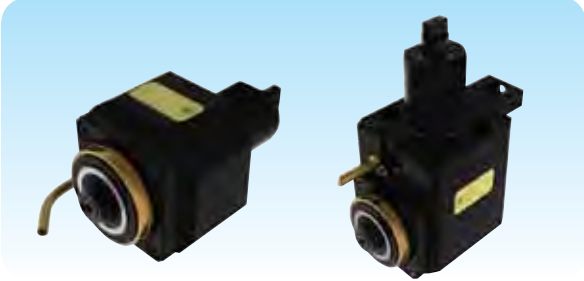


CONTENTS 目錄

Quick Change System 快換系統

DIN 1809

68



DIN 5480

69



DIN 5482

70



SPUR MT TOEM

71



HAAS

72



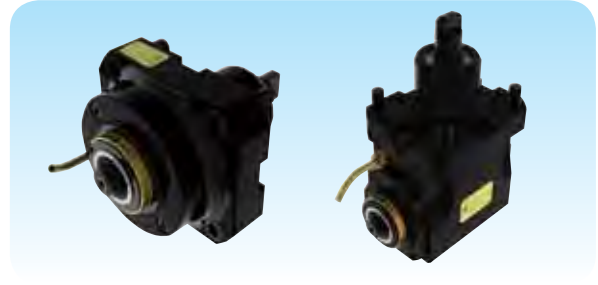
DOOSAN

73



MORI SEIKI

74



NAKAMURA

75



HSK-Adapter HSK 刀桿

76



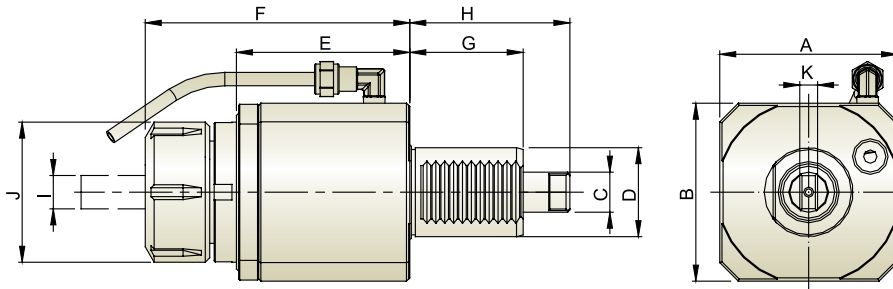


Axial Tool Holder 軸向動力刀座

External Coolant
外部出水

R.P.M. Max.
轉速最高 6,000 RPM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 1809
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔



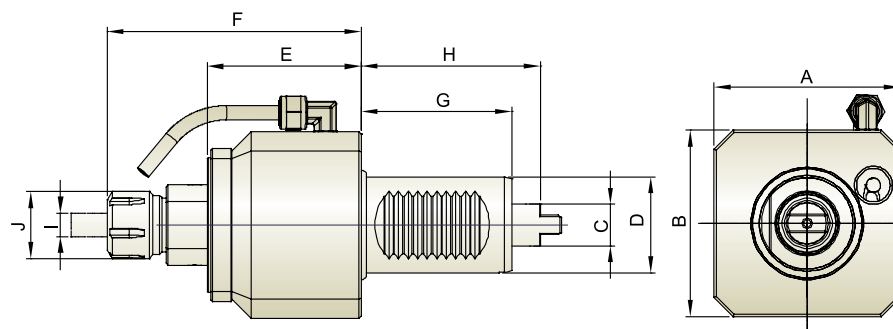
Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | N.W.(KG) |
|-------------|-----|-----|------|----|-------|-----|----|-----|--------------|----|----|----------|
| THB-A04-30A | 62 | 62 | 12 | 30 | 60.5 | 87 | 45 | 62 | ER25 (2~16) | 42 | 6 | 2.0 |
| THB-A05-30A | 64 | 64 | 12 | 30 | 64 | 98 | 45 | 62 | ER32 (3~20) | 50 | 6 | 2.3 |
| THB-A05-40A | 78 | 78 | 18 | 40 | 63 | 94 | 51 | 72 | ER32 (3~20) | 50 | 8 | 3.4 |
| THB-A06-40A | 80 | 80 | 18 | 40 | 78 | 119 | 51 | 72 | ER40 (4~26) | 63 | 8 | 4.3 |
| THB-A06-50A | 86 | 86 | 25 | 50 | 82 | 124 | 68 | 92 | ER40 (4~26) | 63 | 13 | 5.5 |
| THB-A07-60A | 104 | 104 | 27.8 | 60 | 110.5 | 152 | 78 | 110 | ER50 (12~34) | 78 | 14 | 9.6 |

Axial ER Tapping Tool Holder 軸向 ER 彈性攻牙動力刀座

External Coolant
外部出水

R.P.M. Max.
轉速最高 3,000 RPM



Unit : mm

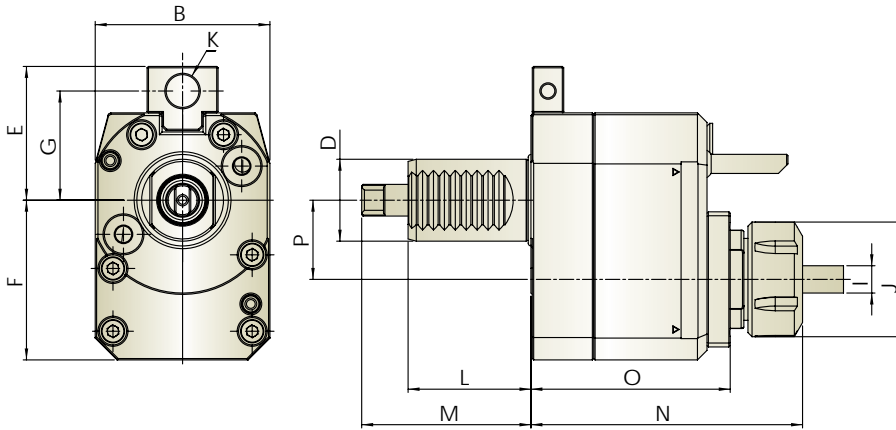
| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|----|----|-----|----|----|--------|----|----------|
| THB-A15-40A | 78 | 78 | 18 | 40 | 63 | 106 | 51 | 72 | M3~M12 | 34 | 3 |

Axial Offset Tool Holder 軸向偏心動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 5,000 RPM |
|---|-----|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 1809
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔






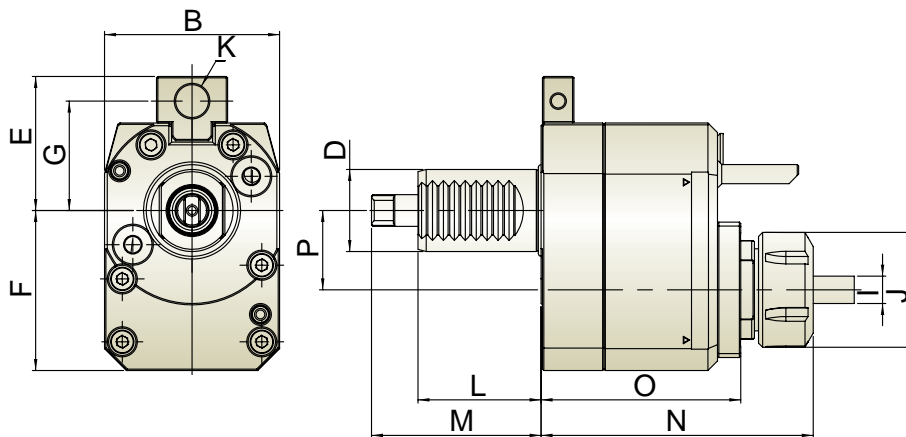
Unit : mm

| Model No. | B | D | E | F | G | I | J | K | L | M | N | O | P | N.W.(KG) |
|----------------|----|----|-------|------|-------|-------------|----|----|----|----|------|------|----|----------|
| THB-C04.29-30A | 64 | 30 | 57 | 58.5 | 48 | ER25 (2~16) | 42 | 12 | 45 | 62 | 99.5 | 73 | 29 | 3.0 |
| THB-C04.50-40A | 74 | 40 | 75/82 | 83 | 63/70 | ER25(2~16) | 43 | 16 | 51 | 72 | 118 | 81.5 | 50 | 6 |
| THB-C05.50-40A | 74 | 40 | 75/82 | 83 | 63/70 | ER32 (3~20) | 50 | 16 | 51 | 72 | 118 | 81.5 | 50 | 6.3 |

Axial Offset Tool Holder 軸向偏心動力刀座

Internal Coolant
中心出水

| | | | | | |
|---|-----|---|-----------|--|--------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 5,000 RPM |  Internal Coolant 中心冷卻出水 | 30 bar |
|---|-----|---|-----------|--|--------|



Unit : mm

| Model No. | B | D | E | F | G | I | J | K | L | M | N | O | P | N.W.(KG) |
|-----------------|----|----|----|------|-------|-------------|----|------|----|----|------|------|----|----------|
| THB-C04.29-30AI | 64 | 30 | 45 | 58.5 | 40 | ER25 (2~16) | 43 | 12 | 45 | 62 | 99.5 | 73 | 29 | 3.3 |
| THB-C05.50-40AI | 80 | 40 | 49 | 85 | 63/70 | ER32 (3~20) | 50 | 15.5 | 51 | 76 | 110 | 77.5 | 50 | 6.3 |



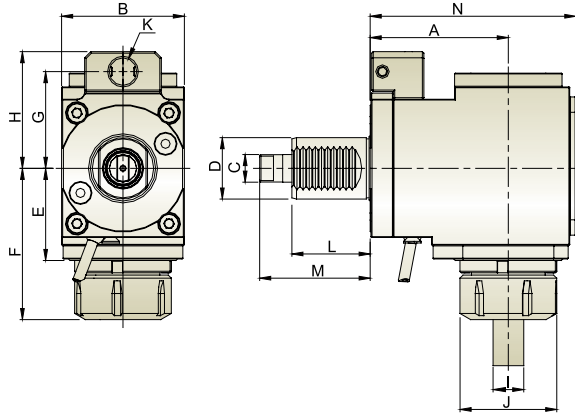
Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|-----|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.

- 接合面依據DIN 69880
- 傳動軸為DIN 1809
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔






Unit : mm

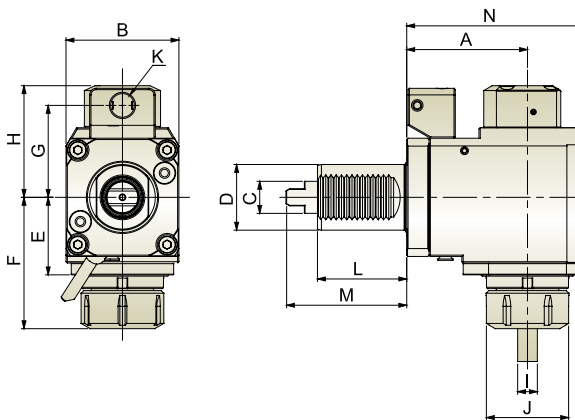
| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|-----------------|-----|----|----|----|------|------|-------|--------|-------------|----|----|----|----|------|----------|
| THB-B04.55-30A | 55 | 64 | 12 | 30 | 39.5 | 66 | 40/63 | 50/73 | ER25 (2~16) | 42 | 12 | 45 | 62 | 86.5 | 3.0 |
| THB-B05.65-30A | 65 | 64 | 12 | 30 | 47 | 75 | 40/63 | 50/73 | ER32 (3~20) | 50 | 12 | 45 | 62 | 101 | 3.7 |
| THB-B04.110-40A | 110 | 76 | 17 | 40 | 49 | 78.5 | 70/88 | 83/101 | ER25(2~16) | 43 | 16 | 51 | 72 | 146 | 7.1 |
| THB-B05.65-40A | 65 | 76 | 18 | 40 | 49 | 81.5 | 63/70 | 75/82 | ER32 (3~20) | 50 | 16 | 51 | 72 | 101 | 5.1 |
| THB-B06.90-40A | 90 | 80 | 18 | 40 | 60 | 98.5 | 63/70 | 73/80 | ER40 (4~26) | 63 | 16 | 51 | 72 | 134 | 8.1 |
| THB-B06.145-40A | 145 | 80 | 18 | 40 | 60 | 98.5 | 63/70 | 73/80 | ER40 (4~26) | 63 | 16 | 51 | 72 | 189 | 10.9 |
| THB-B06.92-50A | 92 | 86 | 25 | 50 | 60 | 100 | 70/88 | 83/101 | ER40 (4~26) | 63 | 18 | 68 | 92 | 136 | 9 |

※ Further option : 6000 RPM 另有 6000RPM 可供選擇

Radial Tool Holder 徑向動力刀座

Internal Coolant
中心出水

| | | | | | |
|---|-----|---|-----------|--|--------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |  Internal Coolant 中心冷卻出水 | 30 bar |
|---|-----|---|-----------|--|--------|



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|-----------------|----|----|----|----|------|------|-------|------|-------------|----|----|----|----|------|----------|
| THB-B04.55-30AI | 55 | 64 | 12 | 30 | 39.5 | 66 | 40/63 | 68 | ER25 (2~16) | 42 | 12 | 45 | 62 | 86.5 | 3.2 |
| THB-B05.65-30AI | 65 | 64 | 12 | 30 | 47 | 75 | 40/63 | 72 | ER32 (3~20) | 50 | 12 | 45 | 62 | 101 | 3.9 |
| THB-B05.65-40AI | 65 | 76 | 18 | 40 | 49 | 81.5 | 63/70 | 74 | ER32 (3~20) | 50 | 16 | 51 | 72 | 101 | 5.1 |
| THB-B06.92-50AI | 92 | 86 | 25 | 50 | 60 | 100 | 70/88 | 92.5 | ER40 (4~26) | 63 | 18 | 68 | 92 | 136 | 9 |

※ Further option : 6000 RPM 另有 6000RPM 可供選擇

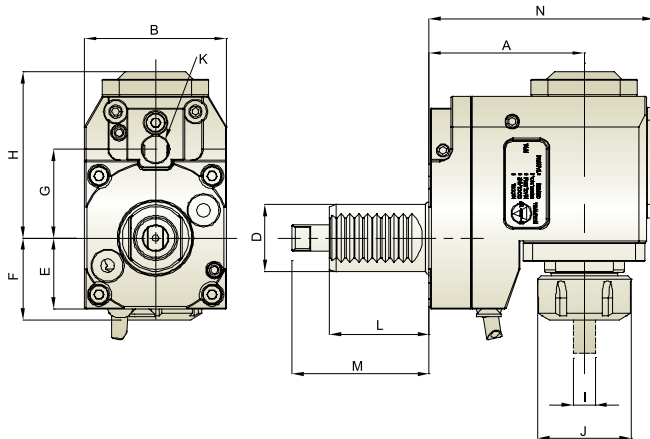


Radial Offset Tool Holder 徑向後縮動力刀座

External Coolant
外部出水

Gear Ratio 齒輪比 1:1
 R.P.M. Max. 轉速最高 4,000 RPM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 1809
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm

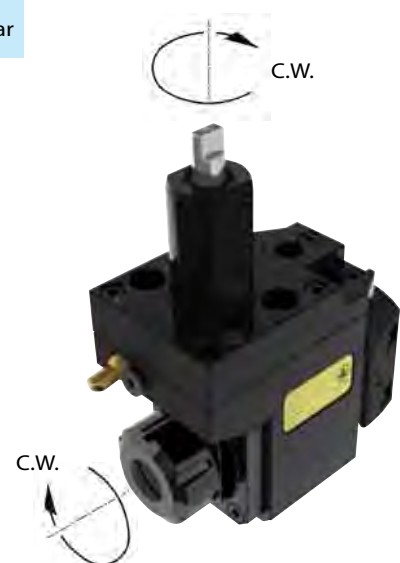
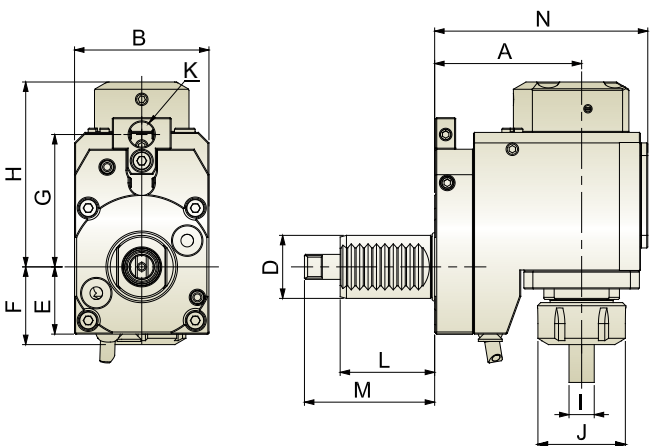
| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|-----------------|-----|-----|----|----|------|-------|------|--------------|----|----|----|-----|-------|----------|
| THB-D04.70-30A | 70 | 64 | 30 | 32 | 37 | 40/63 | 75 | ER25 (2~16) | 42 | 12 | 45 | 62 | 101.5 | 4.0 |
| THB-D05.90-40A | 90 | 80 | 40 | 38 | 31.5 | 63/70 | 98.5 | ER32 (3~20) | 50 | 16 | 51 | 72 | 125.5 | 7.2 |
| THB-D07.102-60A | 102 | 104 | 60 | 54 | 75 | 89 | 116 | ER50 (12~34) | 78 | 16 | 78 | 110 | 154 | 14 |

* Further option : 6000 RPM 另有 6000RPM 可供選擇

Radial Offset Tool Holder 徑向後縮動力刀座

Internal Coolant
中心出水

Gear Ratio 齒輪比 1:1
 R.P.M. Max. 轉速最高 4,000 RPM
 Internal Coolant 中心冷卻出水 30 bar



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|------------------|-----|-----|----|----|------|-------|-----|--------------|----|----|----|-----|-------|----------|
| THB-D04.70-30AI | 70 | 64 | 30 | 32 | 37 | 40/63 | 97 | ER25 (2~16) | 42 | 12 | 45 | 62 | 101.5 | 4.0 |
| THB-D05.90-40AI | 90 | 80 | 40 | 38 | 31.5 | 63/70 | 124 | ER32 (3~20) | 50 | 16 | 51 | 72 | 125.5 | 7.2 |
| THB-D07.102-60AI | 102 | 104 | 60 | 54 | 75 | 89 | 138 | ER50 (12~34) | 78 | 16 | 78 | 110 | 154 | 14 |

* Further option : 6000 RPM 另有 6000RPM 可供選擇

Driven & Static Tool Holder

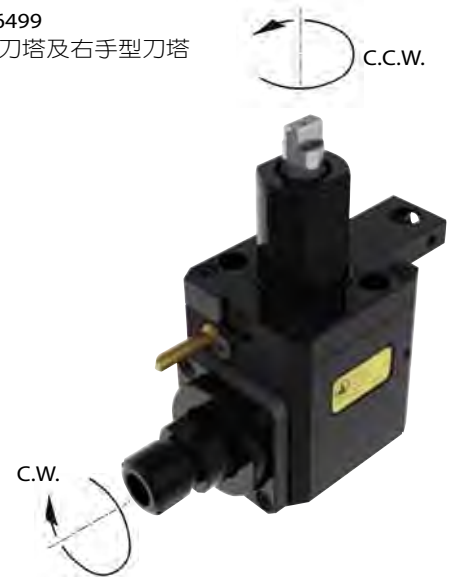
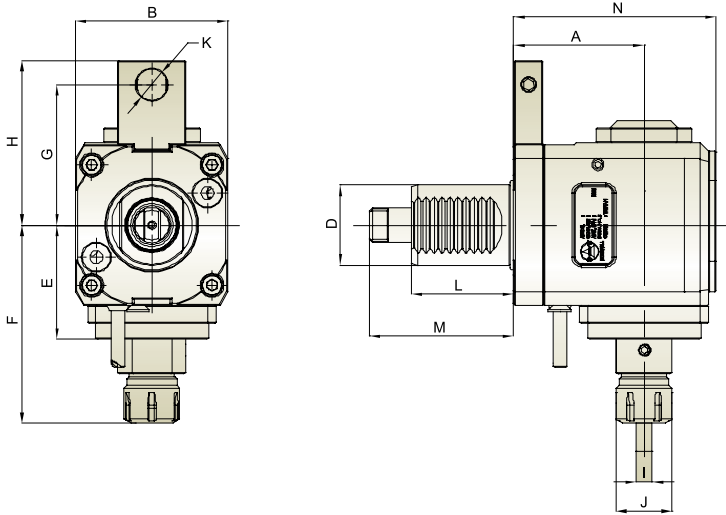


Radial ER Tapping Tool Holder 徑向 ER 彈性攻牙動力刀座

External Coolant
外部出水

Gear Ratio 齒輪比 1:1
 R.P.M. Max. 轉速最高 3,000 RPM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 1809
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm

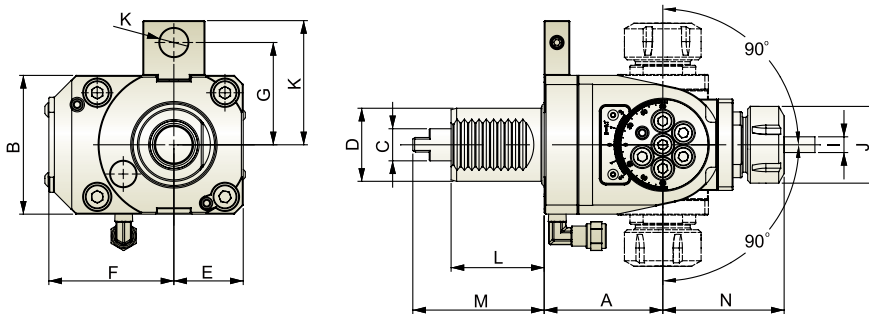
| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|----|---------|----------|--------|----|----|----|----|-----|----------|
| THB-B15.65-40A | 65 | 76 | 40 | 57 | 99 | 56/6370 | 68/75/82 | M3~M12 | 34 | 16 | 51 | 72 | 101 | 4.9 |

Angle Adjustable Tool Holder 萬向動力刀座

External Coolant
外部出水

Gear Ratio 齒輪比 1:1
 R.P.M. Max. 轉速最高 4,000 RPM

- Cutting angle can be set from +90 to -90 degree for various applications.
- 擺動角度 +90度至 -90度



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|----|------|-------|-------|-------------|----|----|----|----|----|----------|
| THB-E04.65-40A | 65 | 76 | 18 | 40 | 38 | 68.5 | 63/70 | 75/82 | ER25 (2~16) | 42 | 16 | 51 | 72 | 85 | 4.65 |

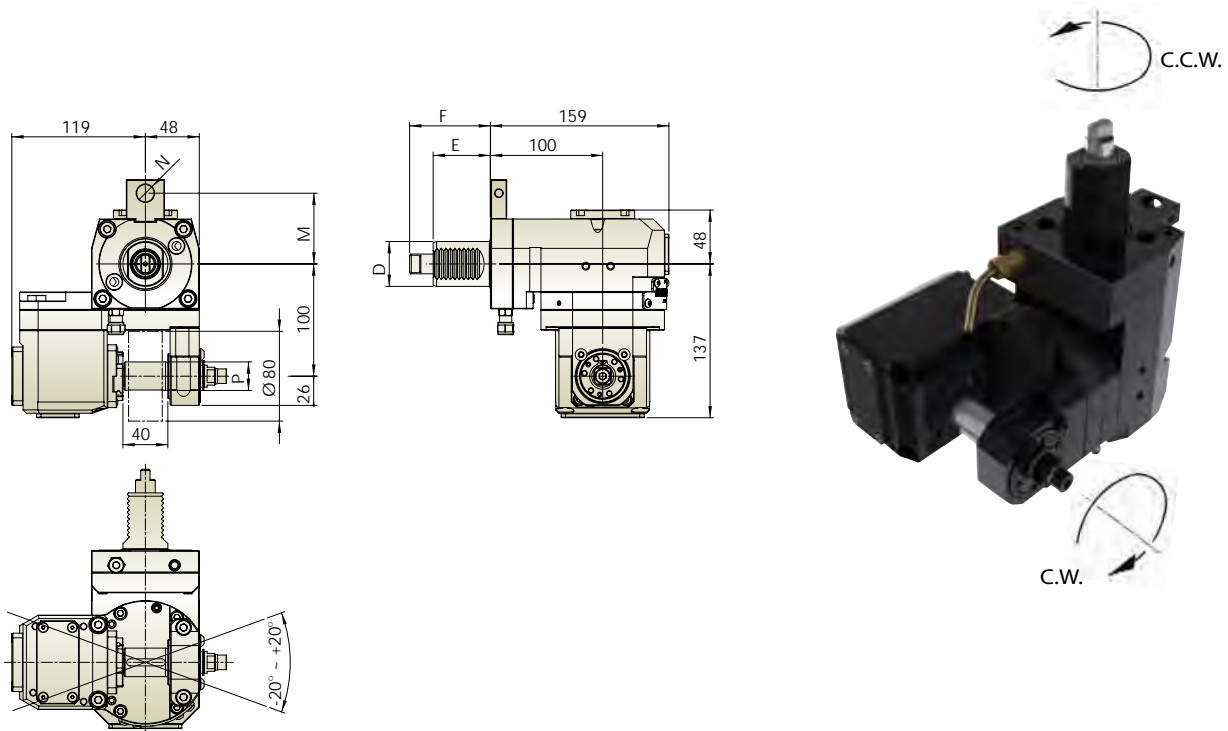
※ Optional Accessories : Hook Spanner. 另有選購配件 : 鉤型扳手

Radial Swivel Gear Hobber Tool Holder 徑向擺動滾齒動力刀座

External Coolant
外部出水

| | | | |
|---|----------|---|-----------|
|  Gear Ratio 齒輪比 | 2.76 : 1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|----------|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- For left hand and right hand turret.
- Cutting angle can be set from +20 to -20 degree for various applications.
- Suitable for machining Spur Gear and Bevel Gear.
- 接合面依據DIN 69880
- 傳動軸為DIN 1809
- 同時適用於左手型刀塔及右手型刀塔
- 擺動角度+20至-20度
- 可使用於正斜齒輪加工



Unit : mm

| Model No. | D | E | F | M | N | P | N.W.(KG) |
|-----------------|----|----|----|----------|------|------------------|----------|
| THB-T29.100-40A | 40 | 51 | 72 | 56/63/70 | 15.5 | 22/25.4/27/31.75 | 11.7 |
| THB-T29.100-50A | 50 | 68 | 92 | 70/88 | 18 | 22/25.4/27/31.75 | 12.8 |

Driven & Static Tool Holder

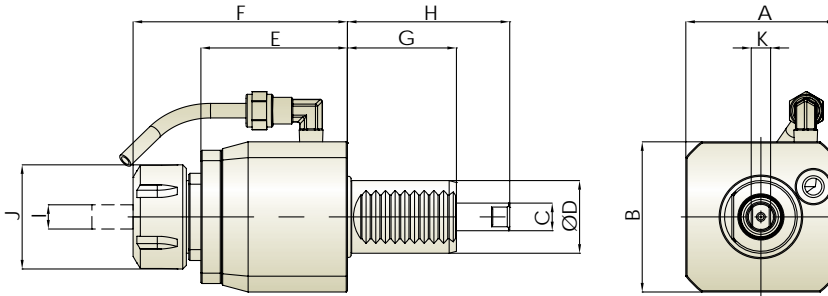


Axial Tool Holder 軸向動力刀座

External Coolant
外部出水

R.P.M. Max. 6,000 RPM
轉速最高

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 1809
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm

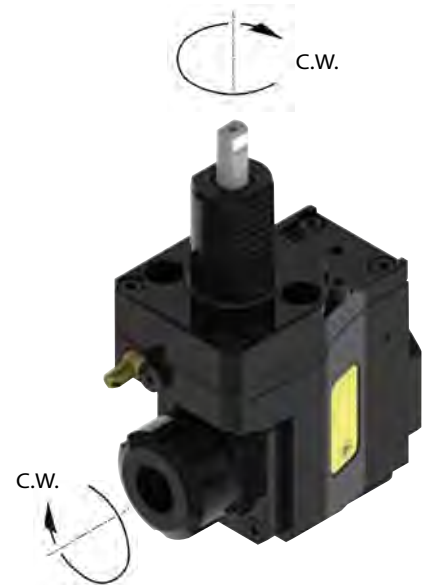
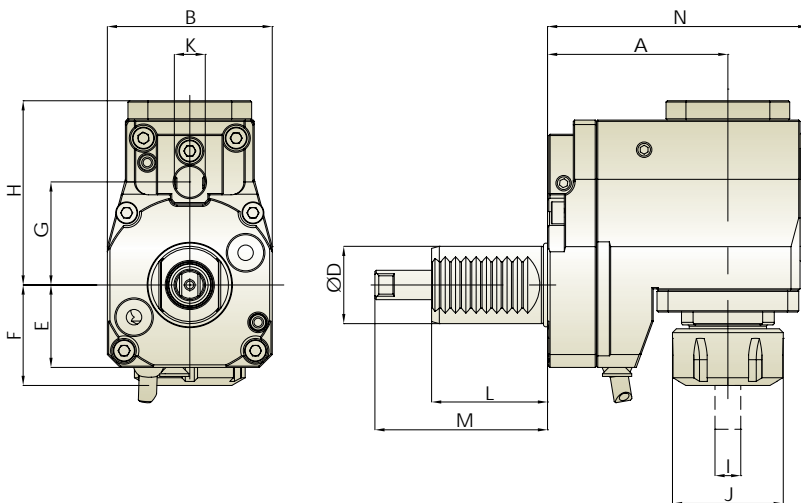
| Model No. | A | B | C | D | E | F | G | H | I | J | K | N.W.(KG) |
|-------------|----|----|------|----|------|------|----|----|-------------|----|---|----------|
| THB-A04-30H | 62 | 62 | 11.4 | 30 | 60.5 | 88.5 | 45 | 67 | ER25 (2~16) | 43 | 8 | 2 |

Radial Offset Tool Holder 徑向後縮動力刀座

External Coolant
外部出水

Gear Ratio 1:1
齒輪比

R.P.M. Max. 4,000 RPM
轉速最高



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|----|-------|------|-------------|----|----|----|----|-----|----------|
| THB-D04.70-30H | 70 | 64 | 30 | 32 | 39 | 40/63 | 71.5 | ER25 (2~16) | 43 | 12 | 45 | 67 | 101 | 3.5 |

※ Further option : 6000 RPM 另有 6000RPM 可供選擇

Driven & Static Tool Holder

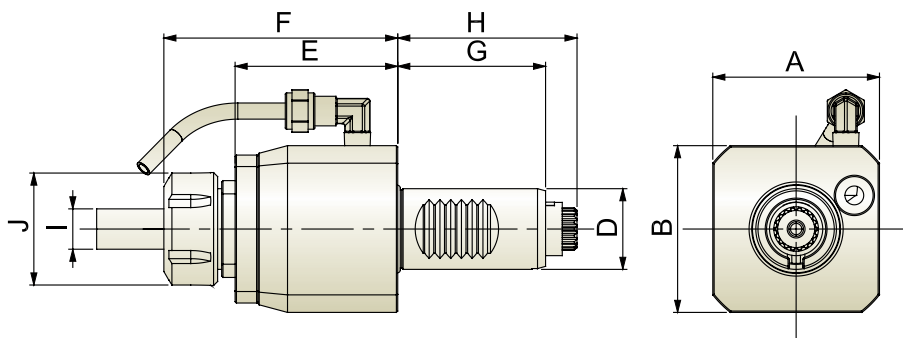


Axial Tool Holder 軸向動力刀座

External Coolant
外部出水

R.P.M. Max. 6,000 RPM
轉速最高

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 5480
- 輸出軸筒夾為DIN6499
- 同時適用於左手型刀塔及右手型刀塔



DIN 5480

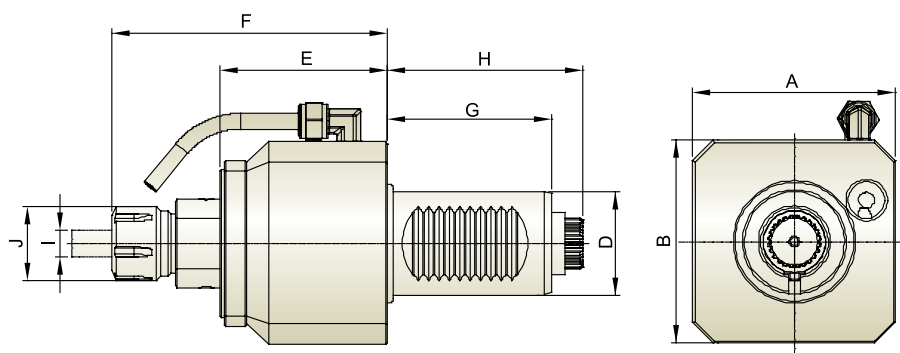
Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|------|-----|----|------|-------------|----|----------|
| THB-A02-20B | 30 | 30 | 20 | 49 | 74 | 40 | 46.5 | ER16 (1~10) | 32 | 1.1 |
| THB-A04-30B | 62 | 62 | 30 | 60.5 | 87 | 55 | 67 | ER25 (2~16) | 42 | 2.0 |
| THB-A05-40B | 78 | 78 | 40 | 58 | 94 | 63 | 75 | ER32 (3~20) | 50 | 4.0 |
| THB-A06-50B | 86 | 86 | 50 | 82 | 124 | 78 | 92.7 | ER40 (4~26) | 63 | 5.5 |

Axial ER Tapping Tool Holder 軸向 ER 彈性攻牙動力刀座

External Coolant
外部出水

R.P.M. Max. 3,000 RPM
轉速最高



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|----|-----|----|----|--------|----|----------|
| THB-A15-40B | 78 | 78 | 40 | 63 | 106 | 63 | 75 | M3~M12 | 34 | 3 |

Driven & Static Tool Holder

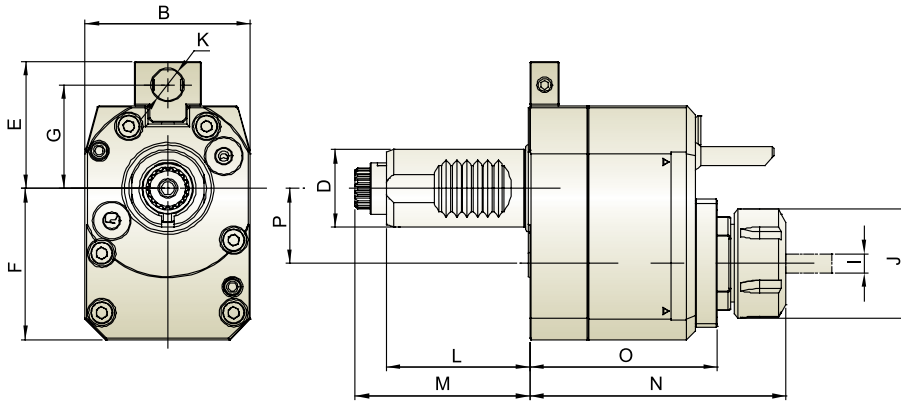


Axial Offset Tool Holder 軸向偏心動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 5,000 RPM |
|---|-----|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 5480
- 輸出軸筒夾為DIN6499
- 同時適用於左手型刀塔及右手型刀塔






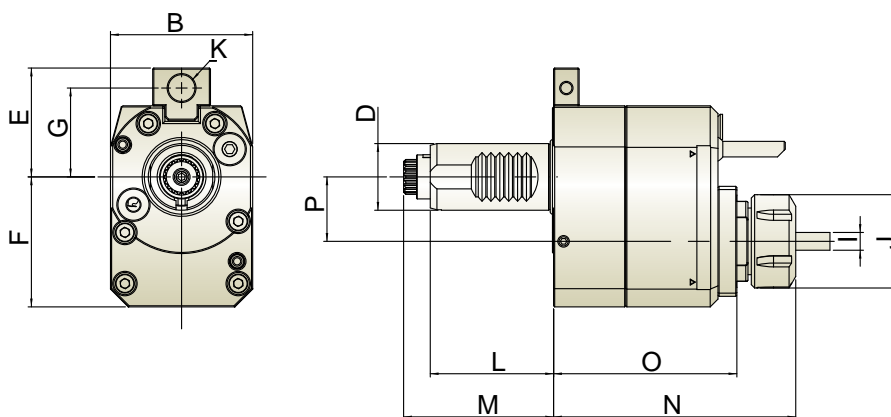
Unit : mm

| Model No. | B | D | E | F | G | I | J | K | L | M | N | O | P | N.W.(KG) |
|----------------|----|----|----------|------|----------|-------------|----|----|----|----|------|------|----|----------|
| THB-C04.29-30B | 64 | 30 | 49/57/59 | 58.5 | 40/48/50 | ER25 (2~16) | 42 | 13 | 55 | 67 | 99.5 | 73 | 29 | 3.0 |
| THB-C05.50-40B | 80 | 40 | 75/82 | 85 | 63/70 | ER32 (3~20) | 50 | 16 | 63 | 75 | 110 | 77.5 | 50 | 6.0 |

Axial Offset Tool Holder 軸向偏心動力刀座

Internal Coolant
中心出水

| | | | | | |
|---|-----|---|-----------|--|--------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 5,000 RPM |  Internal Coolant 中心冷卻出水 | 30 bar |
|---|-----|---|-----------|--|--------|



Unit : mm

| Model No. | B | D | E | F | G | I | J | K | L | M | N | O | P | N.W.(KG) |
|-----------------|----|----|----------|------|----------|-------------|----|----|----|----|------|----|----|----------|
| THB-C04.29-30BI | 64 | 30 | 49/57/59 | 58.5 | 40/48/50 | ER25 (2~16) | 42 | 13 | 55 | 67 | 99.5 | 83 | 29 | 3.0 |

DIN 5480

Driven & Static Tool Holder

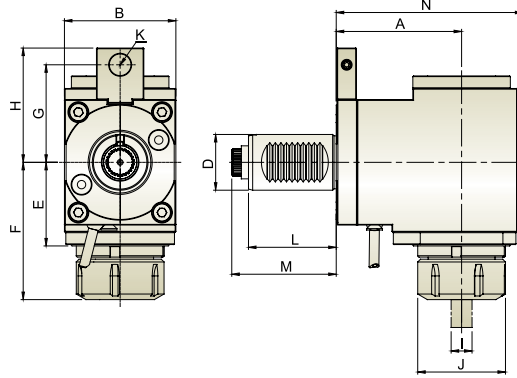


Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

Gear Ratio 齒輪比 1:1
 R.P.M. Max. 轉速最高 4,000 RPM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 5480
- 輸出軸筒夾為DIN6499
- 同時適用於左手型刀塔及右手型刀塔



DIN 5480

Unit : mm

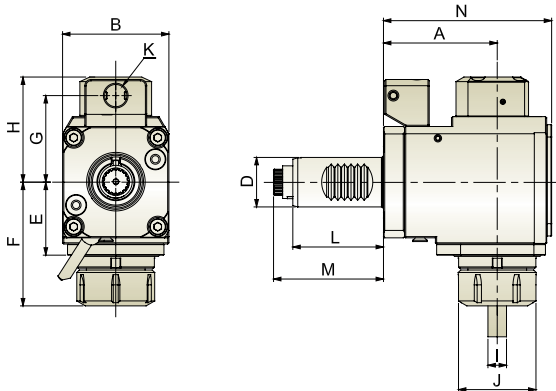
| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|-----------------|-----|----|----|------|------|----------|----------|-------------|----|----|----|------|-------|----------|
| THB-B02.48-20B | 48 | 50 | 20 | 34.5 | 60.5 | 70 | 78.5 | ER16 (1~10) | 32 | 12 | 40 | 46.5 | 71.5 | 1.5 |
| THB-B04.55-30B | 55 | 64 | 30 | 39.5 | 66 | 48/63 | 50/73 | ER25 (2~16) | 42 | 12 | 45 | 67 | 86.5 | 3.0 |
| THB-B04.85-30B | 85 | 64 | 30 | 39.5 | 66 | 48/63 | 50/73 | ER25 (2~16) | 42 | 12 | 45 | 67 | 116.5 | 3.7 |
| THB-B04.100-30B | 100 | 64 | 30 | 39.5 | 66 | 48/63 | 50/73 | ER25 (2~16) | 42 | 12 | 45 | 67 | 131.5 | 4.2 |
| THB-B05.65-40B | 65 | 76 | 40 | 49 | 81.5 | 56/63/70 | 68/75/82 | ER32 (3~20) | 50 | 16 | 63 | 75 | 101 | 5.1 |
| THB-B05.85-40B | 85 | 76 | 40 | 49 | 81.5 | 56/63/70 | 68/75/82 | ER32 (3~20) | 50 | 16 | 63 | 75 | 121 | 6 |
| THB-B05.100-40B | 100 | 76 | 40 | 49 | 81.5 | 56/63/70 | 68/75/82 | ER32 (3~20) | 50 | 16 | 63 | 75 | 136 | 6.6 |
| THB-B06.92-50B | 92 | 86 | 50 | 60 | 100 | 63/70 | 76/83 | ER40 (4~26) | 63 | 18 | 78 | 92.7 | 136 | 9 |

* Further option : 6000 RPM 另有 6000RPM 可供選擇

Radial Tool Holder 徑向動力刀座

Internal Coolant
中心出水

Gear Ratio 齒輪比 1:1
 R.P.M. Max. 轉速最高 4,000 RPM
 Internal Coolant 中心冷卻出水 30 bar



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | 淨重(KG) |
|------------------|-----|----|----|------|------|----------|------|-------------|----|----|----|------|-------|--------|
| THB-B04.55-30BI | 55 | 64 | 30 | 39.5 | 66 | 48/63 | 68 | ER25 (2~16) | 42 | 12 | 45 | 67 | 86.5 | 3.2 |
| THB-B04.85-30BI | 85 | 64 | 30 | 39.5 | 66 | 48/63 | 68 | ER25 (2~16) | 42 | 12 | 45 | 67 | 116.5 | 3.9 |
| THB-B04.100-30BI | 100 | 64 | 30 | 39.5 | 66 | 48/63 | 68 | ER25 (2~16) | 42 | 12 | 45 | 67 | 131.5 | 4.4 |
| THB-B05.65-40BI | 65 | 76 | 40 | 49 | 81.5 | 56/63/70 | 74 | ER32 (3~20) | 50 | 16 | 63 | 75 | 101 | 5.3 |
| THB-B05.85-40BI | 85 | 76 | 40 | 49 | 81.5 | 56/63/70 | 74 | ER32 (3~20) | 50 | 16 | 63 | 75 | 121 | 6.2 |
| THB-B05.100-40BI | 100 | 76 | 40 | 49 | 81.5 | 56/63/70 | 74 | ER32 (3~20) | 50 | 16 | 63 | 75 | 136 | 6.8 |
| THB-B06.92-50BI | 92 | 86 | 50 | 60 | 100 | 63/70 | 87.5 | ER40 (4~26) | 63 | 18 | 78 | 92.7 | 136 | 9 |

* Further option : 6000 RPM 另有 6000RPM 可供選擇

Driven & Static Tool Holder

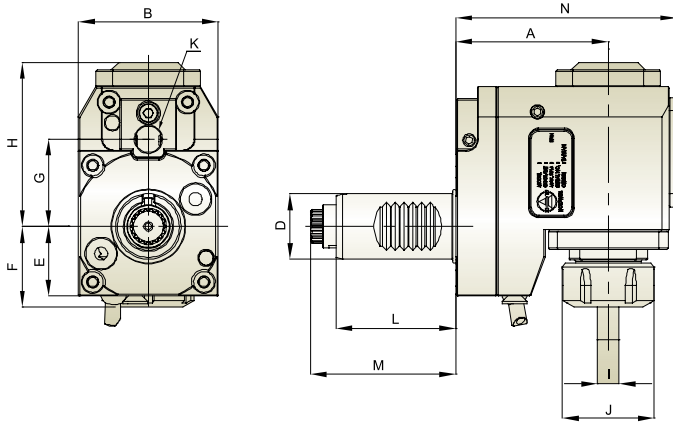


Radial Offset Tool Holder 徑向後縮動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|-----|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 5480
- 輸出軸筒夾為DIN6499
- 同時適用於左手型刀塔及右手型刀塔






Unit : mm

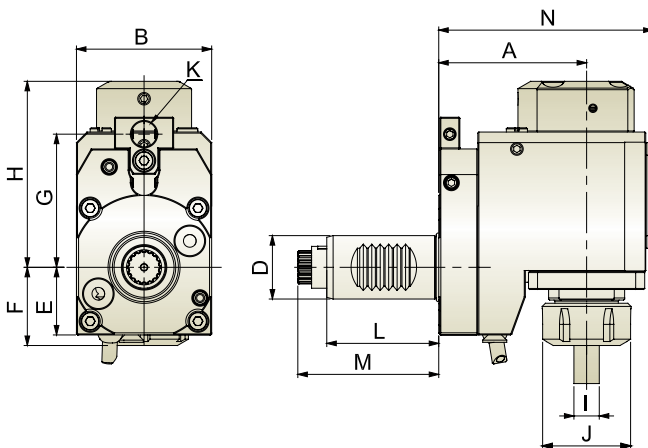
| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|-----------------|-----|----|----|----|------|----------|-----|-------------|----|----|----|------|-------|----------|
| THB-D04.70-30B | 70 | 64 | 30 | 32 | 37 | 48/63 | 75 | ER25 (2~16) | 42 | 12 | 55 | 66.7 | 101.5 | 3.6 |
| THB-D05.100-40B | 100 | 80 | 40 | 38 | 31.5 | 56/63/70 | 115 | ER32 (3~20) | 50 | 16 | 63 | 75 | 125.5 | 7.2 |

* Further option : 6000 RPM 另有 6000RPM 可供選擇

Radial Offset Tool Holder 徑向後縮動力刀座

Internal Coolant
中心出水

| | | | | | |
|---|-----|---|-----------|--|--------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |  Internal Coolant 中心冷卻出水 | 30 bar |
|---|-----|---|-----------|--|--------|



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|------------------|-----|----|----|----|------|----------|-----|-------------|----|----|----|----|-------|----------|
| THB-D04.70-30BI | 70 | 64 | 30 | 32 | 37 | 48/63 | 97 | ER25 (2~16) | 42 | 12 | 55 | 67 | 101.5 | 4.0 |
| THB-D05.100-40BI | 100 | 80 | 40 | 38 | 31.5 | 56/63/70 | 124 | ER32 (3~20) | 50 | 16 | 63 | 75 | 125.5 | 7.2 |

* Further option : 6000 RPM 另有 6000RPM 可供選擇

DIN 5480

Driven & Static Tool Holder

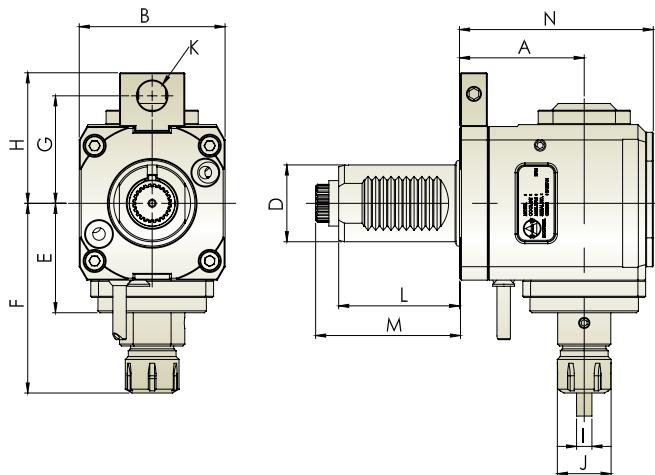


Radial ER Tapping Tool Holder 徑向 ER 彈性攻牙動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 3,000 RPM |
|---|-----|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 5480
- 輸出軸筒夾為DIN6499
- 同時適用於左手型刀塔及右手型刀塔



DIN 5480

Unit : mm

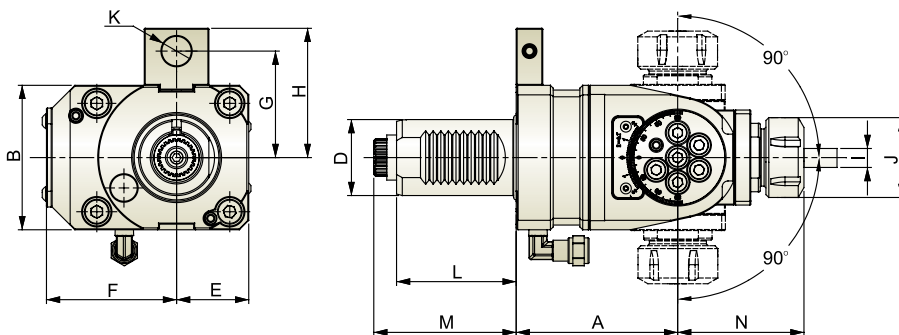
| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|-----------------|-----|----|----|----|----|----------|----------|--------|----|----|----|----|-----|----------|
| THB-B15.65-40B | 65 | 76 | 40 | 57 | 99 | 56/63/70 | 68/75/82 | M3~M12 | 34 | 16 | 63 | 75 | 101 | 4.9 |
| THB-B15.85-40B | 85 | 76 | 40 | 57 | 99 | 56/63/70 | 68/75/82 | M3~M12 | 34 | 16 | 63 | 75 | 121 | 5.8 |
| THB-B15.100-40B | 100 | 76 | 40 | 57 | 99 | 56/63/70 | 68/75/82 | M3~M12 | 34 | 16 | 63 | 75 | 136 | 6.4 |

Angle Adjustable Tool Holder 萬向動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|-----|---|-----------|

- Cutting angle can be set from +90 to -90 degree for various applications.
- 擺動角度+90 度至-90 度



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|------|----------|----------|-------------|----|----|----|----|----|----------|
| THB-E04.85-40B | 85 | 76 | 40 | 38 | 68.5 | 56/63/70 | 68/75/82 | ER25 (2~16) | 42 | 16 | 63 | 75 | 85 | 5.6 |

* Optional Accessories : Hook Spanner. 另有選購配件：鉤型扳手

Driven & Static Tool Holder

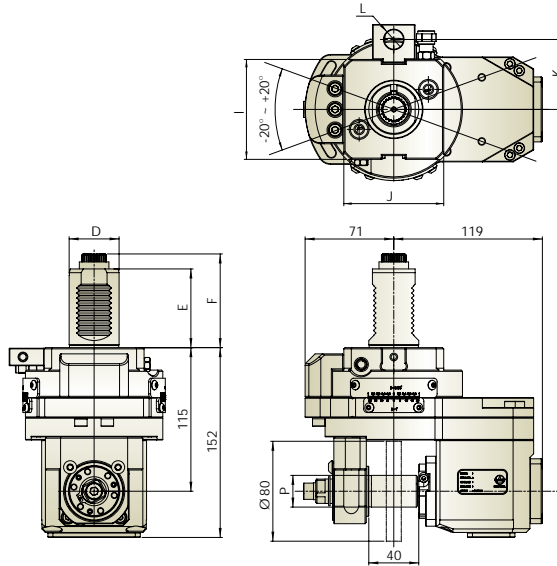


Axial Swivel Gear Hobber Tool Holder 軸向擺動式滾齒動力刀座

External Coolant
外部出水

| | | | |
|---|---------|---|-----------|
|  Gear Ratio 齒輪比 | 1.8 : 1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|---------|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- For left hand and right hand turret.
- Cutting angle can be set from +20 to -20 degree for various applications.
- Suitable for machining Spur Gear and Bevel Gear.
- 接合面依據DIN 69880
- 傳動軸為DIN 5480
- 同時適用於左手型刀塔及右手型刀塔
- 擺動角度+20至-20度
- 可使用於正斜齒輪加工



DIN 5480

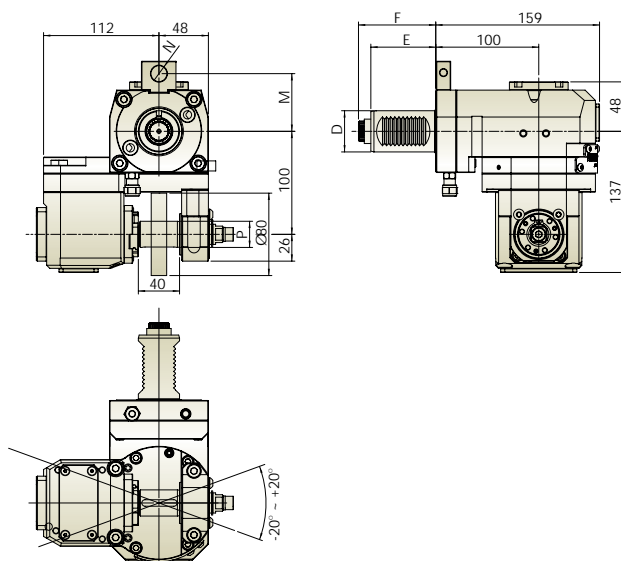
Unit : mm

| Model No. | D | E | F | I | J | K | L | P | N.W.(KG) |
|-----------------|----|----|------|----|----|----------|------|------------------|----------|
| THB-R29.115-40B | 40 | 63 | 75 | 80 | 80 | 56/63/70 | 15.5 | 22/25.4/27/31.75 | 8.5 |
| THB-R29.115-50B | 50 | 78 | 92.5 | 90 | 86 | 64 | 18 | 25.4 | 9.6 |

Radial Swivel Gear Hobber Tool Holder 徑向擺動式滾齒動力刀座

External Coolant
外部出水

| | | | |
|---|----------|---|-----------|
|  Gear Ratio 齒輪比 | 2.76 : 1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|----------|---|-----------|



Unit : mm

| Model No. | D | E | F | M | N | P | N.W.(KG) |
|-----------------|----|----|------|----------|------|------------------|----------|
| THB-T29.100-40B | 40 | 63 | 75 | 56/63/70 | 15.5 | 22/25.4/27/31.75 | 11.7 |
| THB-T29.100-50B | 50 | 78 | 92.7 | 70/88 | 18 | 22/25.4/27/31.75 | 12.8 |

Driven & Static Tool Holder

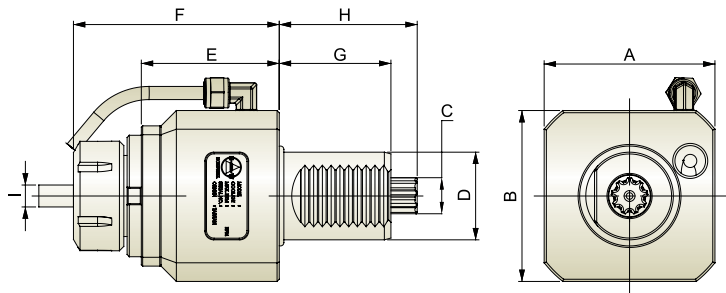


Axial Tool Holder 軸向動力刀座

External Coolant
外部出水

R.P.M. Max. 6,000 RPM
轉速最高

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5482.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 5482
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|-----|-----|--------|----|-------|-----|----|-----|-------------|----|----------|
| THB-A04-30C | 62 | 62 | B15*12 | 30 | 60.5 | 87 | 45 | 55 | ER25 (2~16) | 42 | 2.3 |
| THB-A05-40C | 78 | 78 | B17*14 | 40 | 63 | 94 | 51 | 63 | ER32 (2~20) | 50 | 3.3 |
| THB-A06-40C | 80 | 80 | B17*14 | 40 | 78 | 119 | 51 | 63 | ER40 (4~26) | 63 | 4.3 |
| THB-A06-50C | 86 | 86 | B20*17 | 50 | 82 | 124 | 68 | 93 | ER40 (4~26) | 63 | 5.5 |
| THB-A07-60C | 104 | 104 | B25*22 | 60 | 110.5 | 152 | 78 | 108 | ER50(12~34) | 78 | 9.6 |

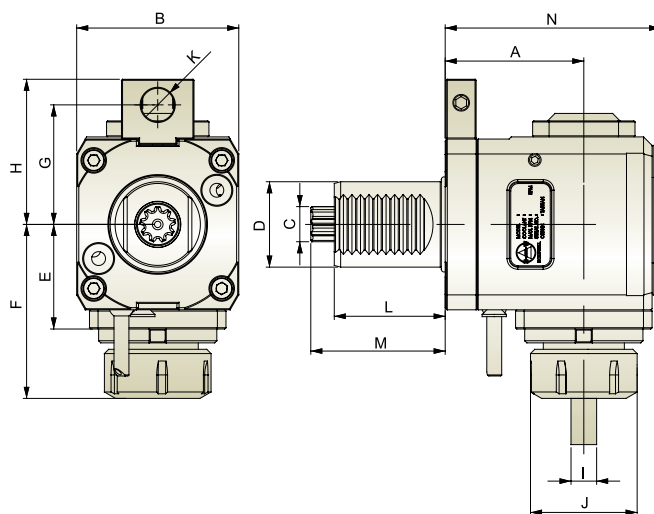
DIN 5482

Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

Gear Ratio 1 : 1
齒輪比

R.P.M. Max. 4,000 RPM
轉速最高



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|--------|----|------|------|----------|----------|-------------|----|----|----|----|------|----------|
| THB-B04.55-30C | 55 | 64 | B15*12 | 30 | 39.5 | 66 | 40/63 | 50/73 | ER25 (2~16) | 42 | 12 | 45 | 55 | 86.5 | 3.7 |
| THB-B05.65-40C | 65 | 76 | B17*14 | 40 | 49 | 81.5 | 56/63/70 | 68/75/82 | ER32 (3~20) | 50 | 16 | 51 | 63 | 101 | 5.1 |
| THB-B06.90-40C | 90 | 80 | B17*14 | 40 | 60 | 98.5 | 56/63/70 | 68/75/82 | ER40 (4~26) | 63 | 16 | 51 | 63 | 134 | 8.1 |
| THB-B06.92-50C | 92 | 86 | B20*17 | 50 | 60 | 100 | 70/88 | 83/101 | ER40 (4~26) | 63 | 18 | 68 | 93 | 136 | 9 |

* Further option : 6000 RPM 另有 6000RPM 可供選擇



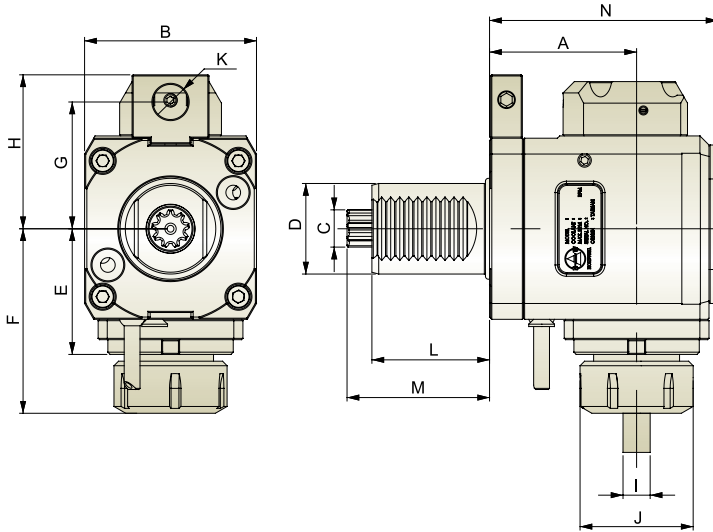
Radial Tool Holder 徑向動力刀座

Internal Coolant
中心出水

| | | | | | |
|-------------------|-----|---------------------|-----------|----------------------------|--------|
| Gear Ratio 齒輪比 | 1:1 | R.P.M. Max. 轉速最高 | 4,000 RPM | Internal Coolant 中心冷卻出水 | 30 bar |
|-------------------|-----|---------------------|-----------|----------------------------|--------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5482.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 5482
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔

DIN 5482



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|-----------------|----|----|--------|----|----|------|----------|----------|-------------|----|----|----|----|-----|----------|
| THB-B05.65-40CI | 65 | 76 | B17*14 | 40 | 49 | 81.5 | 56/63/70 | 68/75/82 | ER32 (3~20) | 50 | 16 | 51 | 63 | 101 | 5.3 |

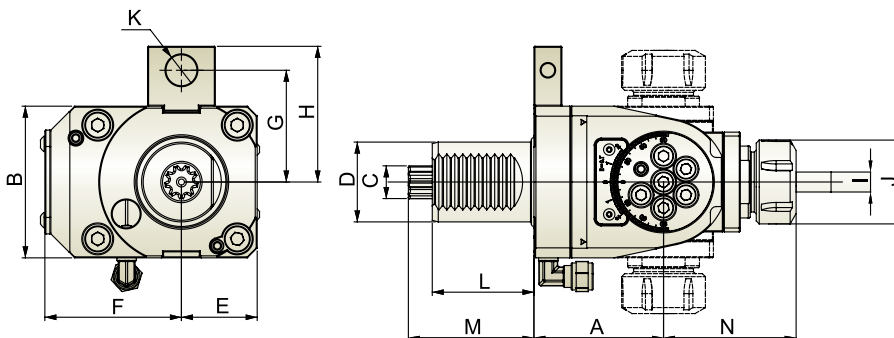
* Further option : 6000 RPM 另有 6000RPM 可供選擇

Angle Adjustable Tool Holder 萬向動力刀座

External Coolant
外部出水

| | | | |
|-------------------|-----|---------------------|-----------|
| Gear Ratio 齒輪比 | 1:1 | R.P.M. Max. 轉速最高 | 4,000 RPM |
|-------------------|-----|---------------------|-----------|

- Cutting angle can be set from +90 to -90 degree for various applications.
- 擺動角度+90 度至-90 度



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|--------|----|----|------|----------|----------|-------------|----|----|----|----|----|----------|
| THB-E04.65-40C | 65 | 76 | B17*14 | 40 | 38 | 68.5 | 56/63/70 | 68/75/82 | ER25 (2~16) | 42 | 16 | 51 | 63 | 85 | 5.6 |

* Optional Accessories : Hook Spanner. 另有選購配件 : 鉤型扳手

Driven & Static Tool Holder

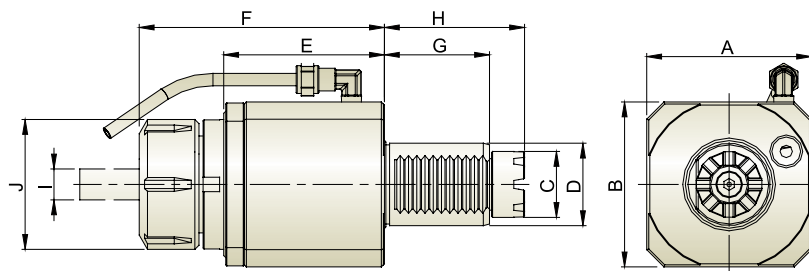


Axial Tool Holder 軸向動力刀座

External Coolant
外部出水

R.P.M. Max.
轉速最高 6,000 RPM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為SPUR MT TOEM
- 輸出軸筒夾為DIN6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm

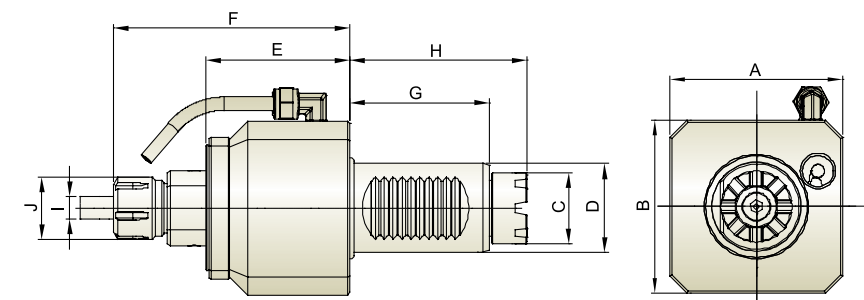
| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|-----|-----|------|----|-------|-------|-----|-----|--------------|----|----------|
| THB-A04-30D | 62 | 62 | 24 | 30 | 60.5 | 87 | 45 | 59 | ER25 (2~16) | 42 | 1.9 |
| THB-A05-30D | 64 | 64 | 24 | 30 | 64 | 98 | 45 | 59 | ER32 (3~20) | 50 | 2.3 |
| THB-A05-40D | 78 | 78 | 32 | 40 | 58 | 90.3 | 51 | 68 | ER32 (3~20) | 50 | 3.3 |
| THB-A06-40D | 80 | 80 | 32 | 40 | 78 | 119 | 51 | 68 | ER40 (4~26) | 63 | 4.3 |
| THB-A06-50D | 86 | 86 | 40 | 50 | 82 | 124 | 68 | 84 | ER40 (4~26) | 63 | 5.5 |
| THB-A07-60D | 104 | 104 | 53.2 | 60 | 110.5 | 152 | 78 | 100 | ER50 (12~34) | 78 | 9.6 |
| THB-A07-80D | 158 | 158 | 57 | 80 | 130 | 183.5 | 111 | 130 | ER50 (12~34) | 78 | 23 |

SPUR MT TOEM

Axial ER Tapping Tool Holder 軸向 ER 彈性攻牙動力刀座

External Coolant
外部出水

R.P.M. Max.
轉速最高 3,000 RPM



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|----|----|-----|----|----|--------|----|----------|
| THB-A15-40D | 78 | 78 | 32 | 40 | 63 | 106 | 51 | 68 | M3~M12 | 34 | 3.1 |

Driven & Static Tool Holder

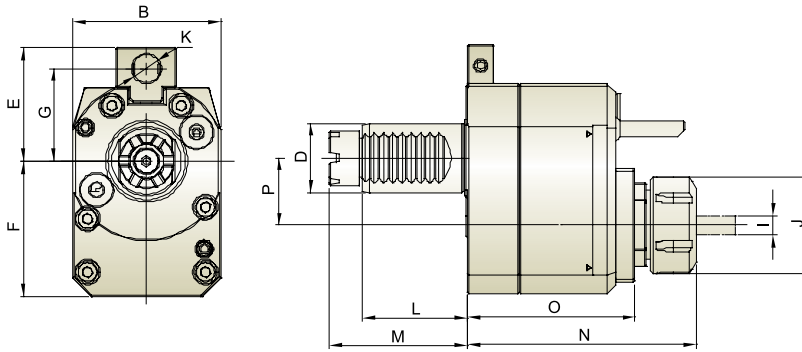


Axial Offset Tool Holder 軸向偏心動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 5,000 RPM |
|---|-----|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為SPUR MT TOEM
- 輸出軸筒夾為DIN6499
- 同時適用於左手型刀塔及右手型刀塔






SPUR MT TOEM

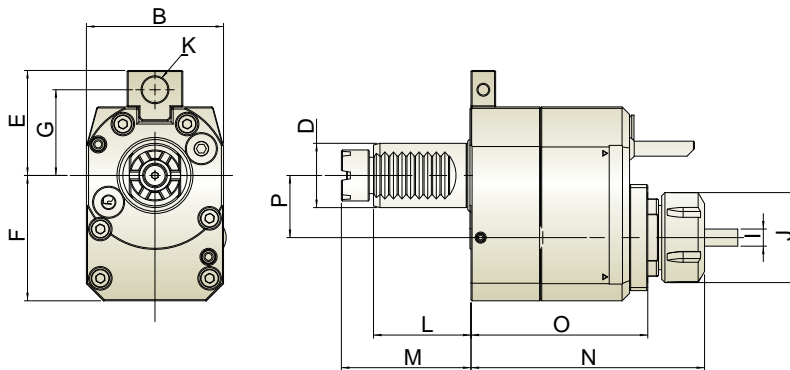
Unit : mm

| Model No. | B | D | E | F | G | I | J | K | L | M | N | O | P | N.W.(KG) |
|----------------|----|----|-------|------|-------|-------------|----|----|----|----|------|------|----|----------|
| THB-C04.29-30D | 64 | 30 | 57 | 58.5 | 48 | ER25 (2~16) | 42 | 12 | 45 | 62 | 99.5 | 73 | 29 | 3.0 |
| THB-C05.50-40D | 80 | 40 | 75/82 | 85 | 63/70 | ER32 (3~20) | 50 | 16 | 51 | 72 | 110 | 77.5 | 50 | 6.0 |

Axial Offset Tool Holder 軸向偏心動力刀座

Internal Coolant
中心出水

| | | | | | |
|---|-----|---|-----------|--|--------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 5,000 RPM |  Internal Coolant 中心冷卻出水 | 30 bar |
|---|-----|---|-----------|--|--------|



Unit : mm

| Model No. | B | D | E | F | G | I | J | K | L | M | N | O | P | N.W.(KG) |
|-----------------|----|----|-------|------|-------|-------------|----|----|----|----|-------|------|----|----------|
| THB-C04.29-30DI | 64 | 30 | 57 | 58.5 | 48 | ER25 (2~16) | 42 | 12 | 45 | 62 | 109.5 | 83 | 29 | 3.3 |
| THB-C05.50-40DI | 80 | 40 | 75/82 | 85 | 63/70 | ER32 (3~20) | 50 | 16 | 51 | 72 | 110 | 77.5 | 50 | 6.3 |

Driven & Static Tool Holder

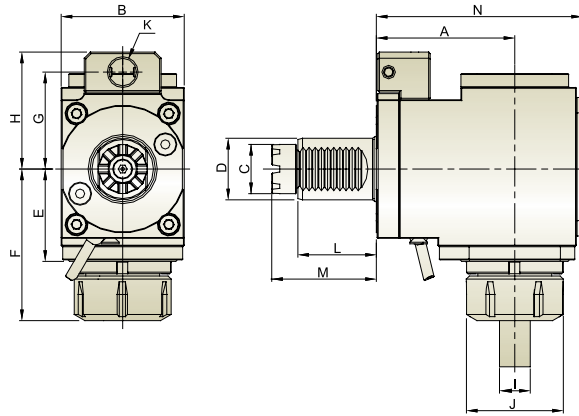


Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|-----|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為SPUR MT TOEM
- 輸出軸筒夾為DIN6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm




| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|------|------|-------|--------|-------------|----|----|----|----|------|----------|
| THB-B04.55-30D | 55 | 64 | 24 | 30 | 39.5 | 66 | 40/63 | 50/73 | ER25 (2~16) | 42 | 12 | 45 | 59 | 86.5 | 3.0 |
| THB-B05.65-30D | 65 | 64 | 24 | 30 | 47 | 75 | 40/63 | 50/73 | ER32 (3~20) | 50 | 12 | 45 | 59 | 101 | 3.7 |
| THB-B05.65-40D | 65 | 76 | 32 | 40 | 49 | 81.5 | 63/70 | 75/82 | ER32 (3~20) | 50 | 16 | 51 | 68 | 101 | 5.1 |
| THB-B06.90-40D | 90 | 80 | 32 | 40 | 60 | 98.5 | 63/70 | 73/80 | ER40 (4~26) | 63 | 16 | 51 | 68 | 134 | 8.1 |
| THB-B06.92-50D | 92 | 86 | 40 | 50 | 60 | 100 | 70/88 | 83/101 | ER40 (4~26) | 63 | 18 | 68 | 84 | 136 | 9 |

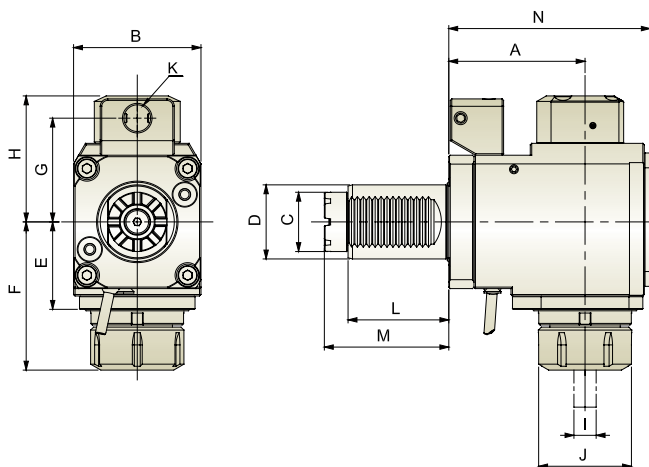
※ Further option : 6000 RPM 另有 6000RPM 可供選擇

SPUR MT TOEM

Radial Tool Holder 徑向動力刀座

Internal Coolant
中心出水

| | | | | | |
|---|-----|---|-----------|--|--------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |  Internal Coolant 中心冷卻出水 | 30 bar |
|---|-----|---|-----------|--|--------|



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|-----------------|----|----|----|----|------|------|-------|------|-------------|----|----|----|----|------|----------|
| THB-B04.55-30DI | 55 | 64 | 24 | 30 | 39.5 | 66 | 40/63 | 68 | ER25 (2~16) | 42 | 12 | 45 | 59 | 86.5 | 3.2 |
| THB-B05.65-30DI | 65 | 64 | 24 | 30 | 47 | 75 | 40/63 | 72 | ER32 (3~20) | 50 | 12 | 45 | 59 | 101 | 3.7 |
| THB-B05.65-40DI | 65 | 76 | 32 | 40 | 49 | 81.5 | 63/70 | 74 | ER32 (3~20) | 50 | 16 | 51 | 68 | 101 | 5.1 |
| THB-B06.92-50DI | 92 | 86 | 40 | 50 | 60 | 100 | 70/88 | 92.5 | ER40 (4~26) | 63 | 18 | 68 | 84 | 136 | 9 |

※ Further option : 6000 RPM 另有 6000RPM 可供選擇

Driven & Static Tool Holder

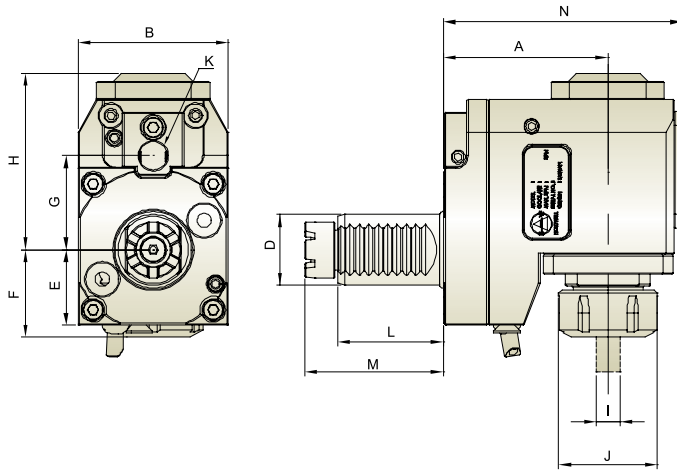


Radial Offset Tool Holder 徑向後縮動力刀座

External Coolant
外部出水

Gear Ratio 齒輪比 1:1
 R.P.M. Max. 轉速最高 4,000 RPM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為SPUR MT TOEM
- 輸出軸筒夾為DIN6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|-----------------|-----|-----|----|----|------|-------|------|--------------|----|----|----|-----|-------|----------|
| THB-D04.70-30D | 70 | 64 | 30 | 32 | 37 | 40/63 | 75 | ER25 (2~16) | 42 | 12 | 45 | 59 | 101.5 | 4.0 |
| THB-D05.90-40D | 90 | 80 | 40 | 38 | 31.5 | 63/70 | 98.5 | ER32 (3~20) | 50 | 16 | 51 | 68 | 125.5 | 7.2 |
| THB-D07.102-60D | 102 | 104 | 60 | 54 | 75 | 89 | 116 | ER50 (12~34) | 78 | 16 | 78 | 100 | 154 | 14 |

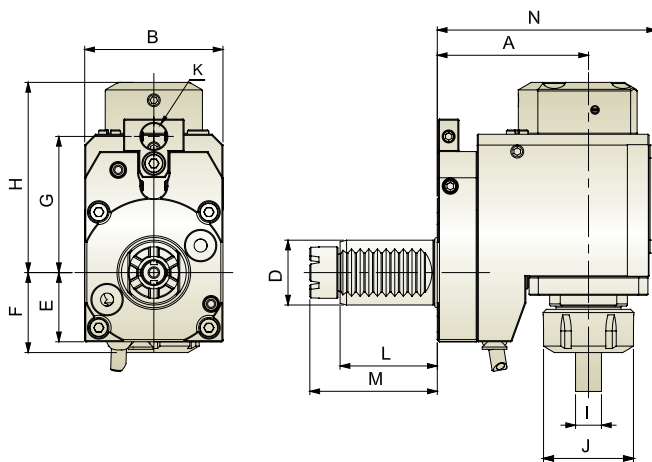
※ Further option : 6000 RPM 另有 6000RPM 可供選擇

SPUR MT TOEM

Radial Offset Tool Holder 徑向後縮動力刀

Internal Coolant
中心出水

Gear Ratio 齒輪比 1:1
 R.P.M. Max. 轉速最高 4,000 RPM
 Internal Coolant 中心冷卻出水 30 bar



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|------------------|-----|-----|----|----|------|-------|-----|--------------|----|----|----|-----|-------|----------|
| THB-D04.70-30DI | 70 | 64 | 30 | 32 | 37 | 40/63 | 97 | ER25 (2~16) | 42 | 12 | 45 | 59 | 101.5 | 4.0 |
| THB-D05.90-40DI | 90 | 80 | 40 | 38 | 31.5 | 63/70 | 124 | ER32 (3~20) | 50 | 16 | 51 | 68 | 125.5 | 7.2 |
| THB-D07.102-60DI | 102 | 104 | 60 | 54 | 75 | 89 | 138 | ER50 (12~34) | 78 | 16 | 78 | 110 | 154 | 14 |

※ Further option : 6000 RPM 另有 6000RPM 可供選擇

Driven & Static Tool Holder

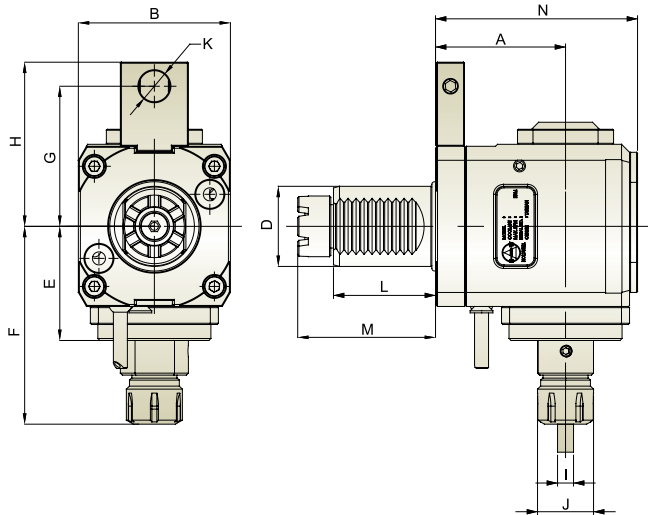


Radial ER Tapping Tool Holder 徑向 ER 彈性攻牙動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 3,000 RPM |
|---|-----|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為SPUR MT TOEM
- 輸出軸筒夾為DIN6499
- 同時適用於左手型刀塔及右手型刀塔



SPUR MT TOEM

Unit : mm

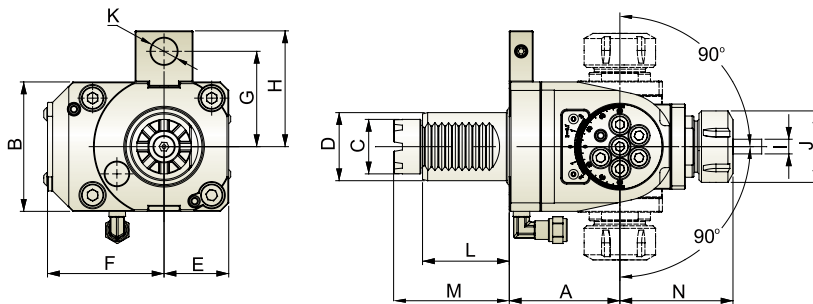
| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|----|----|----------|----------|--------|----|----|----|----|-----|----------|
| THB-B15.65-40D | 65 | 76 | 32 | 40 | 57 | 99 | 56/63/70 | 68/75/82 | M3~M12 | 34 | 16 | 51 | 68 | 101 | 4.9 |

Angle Adjustable Tool Holder 萬向動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|-----|---|-----------|

- Cutting angle can be set from +90 to -90 degree for various applications.
- 擺動角度+90度至-90度



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|----|------|-------|-------|-------------|----|----|----|----|----|----------|
| THB-E04.65-40D | 65 | 76 | 32 | 40 | 38 | 68.5 | 63/70 | 75/82 | ER25 (2~16) | 42 | 16 | 51 | 68 | 85 | 4.65 |

※ Optional Accessories : Hook Spanner. 另有選購配件：鉤型扳手



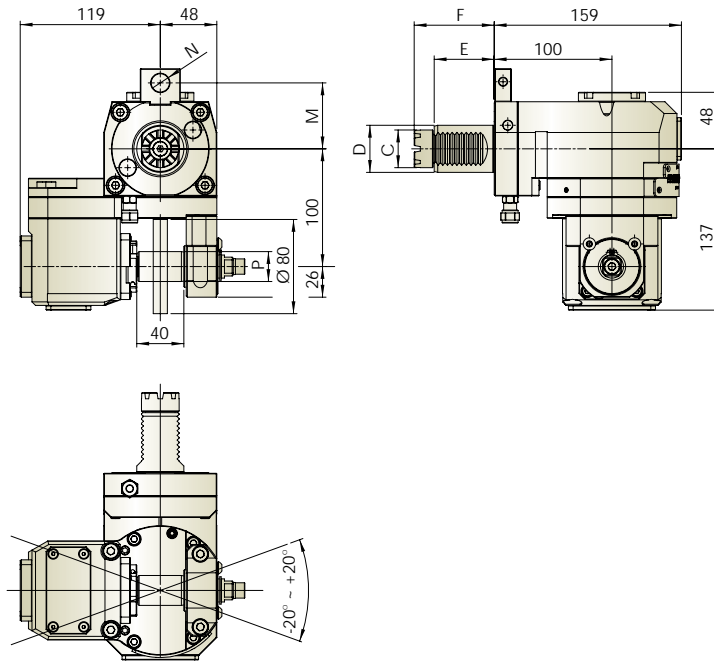
Radial Swivel Gear Hobber Tool Holder 徑向擺動式滾齒動力刀座

External Coolant
外部出水

| | | | |
|---|--------|---|-----------|
|  Gear Ratio 齒輪比 | 2.76:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|--------|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- For left hand and right hand turret.
- Cutting angle can be set from +20 to -20 degree for various applications.
- Suitable for machining Spur Gear and Bevel Gear.
- 接合面依據DIN 69880
- 傳動軸為SPUR MT TOEM
- 同時適用於左手型刀塔及右手型刀塔
- 擺動角度+20 至-20 度
- 可完成正、斜齒輪加工

SPUR MT TOEM



Unit : mm

| Model No. | C | D | E | F | M | N | P | N.W.(KG) |
|-----------------|----|----|----|----|----------|------|------------------|----------|
| THB-T29.100-40D | 32 | 40 | 51 | 68 | 56/63/70 | 15.5 | 22/25.4/27/31.75 | 11.7 |
| THB-T29.100-50D | 40 | 50 | 68 | 92 | 70/88 | 18 | 22/25.4/27/31.75 | 12.8 |

Driven & Static Tool Holder

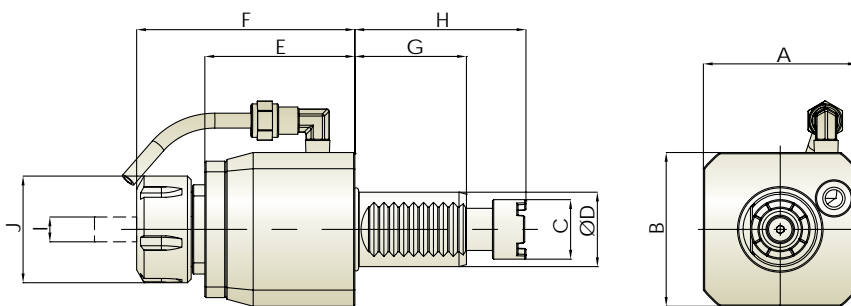


Axial Tool Holder 徑向動力刀座

External Coolant
外部出水

R.P.M. Max. 6,000 RPM
轉速最高

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according OKUMA VDI.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為 OKUMA VDI
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|----|------|------|----|-----|------------|----|----------|
| THB-A04-30J | 62 | 62 | 24 | 30 | 60.5 | 88 | 45 | 69 | ER25(2~16) | 43 | 2 |
| THB-A05-40J | 78 | 78 | 32 | 40 | 63 | 94 | 51 | 93 | ER32(3~20) | 50 | 3.5 |
| THB-A05-40K | 78 | 78 | 29 | 40 | 58 | 90.3 | 51 | 101 | ER32(3~20) | 50 | 4 |

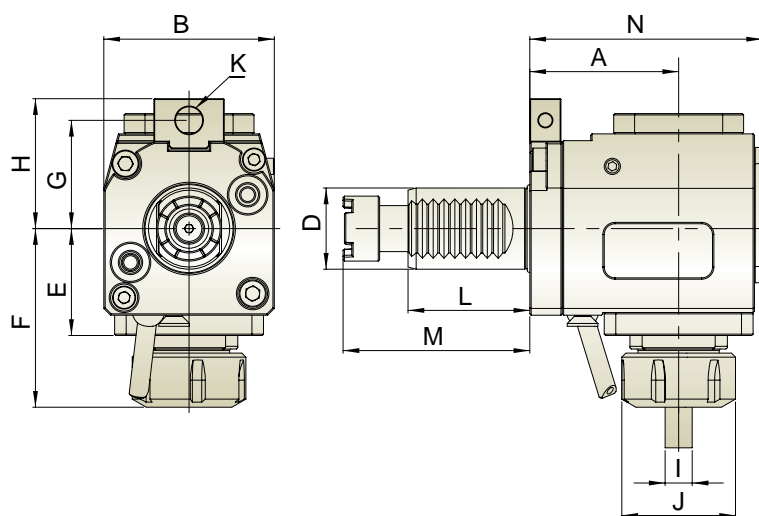
OKUMA

Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

Gear Ratio 1 : 1
齒輪比

R.P.M. Max. 4,000 RPM
轉速最高



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|------|------|-------|-------|------------|----|----|----|-----|------|----------|
| THB-B04.55-30J | 55 | 64 | 30 | 39.5 | 66 | 40/63 | 50/73 | ER25(2~16) | 42 | 12 | 45 | 69 | 86.5 | 3 |
| THB-B05.65-40J | 65 | 76 | 40 | 49 | 81.5 | 63/70 | 75/82 | ER32(3~20) | 50 | 16 | 51 | 93 | 101 | 5.1 |
| THB-B05.65-40K | 65 | 76 | 40 | 49 | 79.7 | 63/70 | 75/82 | ER32(3~20) | 50 | 16 | 51 | 101 | 101 | 5.6 |

※ Further option: 6000RPM 另有 6000RPM 可供選擇

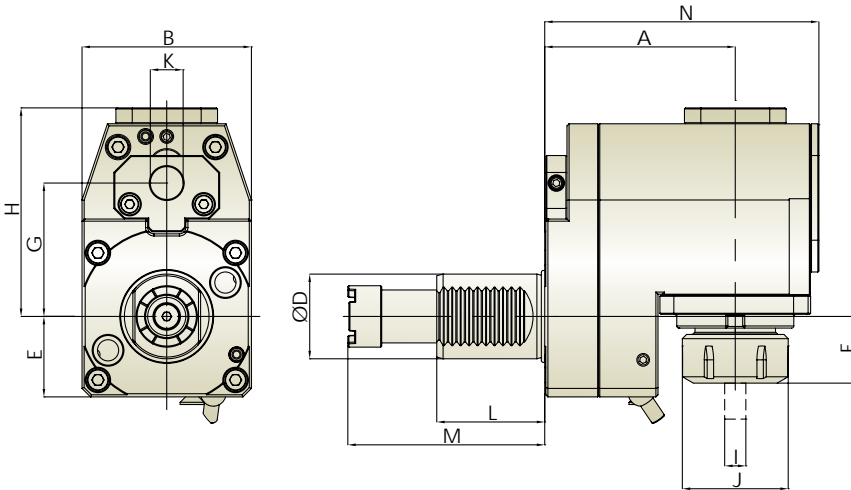


Radial Offset Tool Holder 徑向後縮動力刀座

External Coolant
外部出水

| | | | |
|---|-------|---|-----------|
|  Gear Ratio 齒輪比 | 1 : 1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|-------|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to OKUMA VDI.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為 OKUMA VDI
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|------|-------|------|-------------|----|------|----|-----|-------|----------|
| THB-D04.70-30J | 70 | 64 | 30 | 32 | 37 | 40/63 | 75 | ER25(2~16) | 42 | 12 | 45 | 69 | 101.5 | 4 |
| THB-D05.90-40J | 90 | 80 | 40 | 38 | 29.7 | 63/70 | 98.5 | ER32 (3~20) | 50 | 15.5 | 51 | 93 | 129.5 | 7.5 |
| THB-D05.90-40K | 90 | 80 | 40 | 38 | 29.7 | 63/70 | 98.5 | ER32 (3~20) | 50 | 15.5 | 51 | 101 | 129.5 | 7.8 |


※ Further option: 6000RPM 另有 6000RPM 可供選擇

Driven & Static Tool Holder

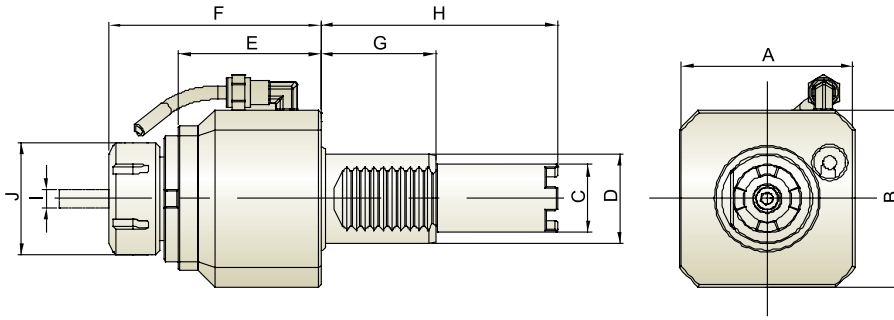


Axial Tool Holder 軸向動力刀座

External Coolant
外部出水

 R.P.M. Max.
轉速最高 6,000 RPM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to HAAS.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為HAAS
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm

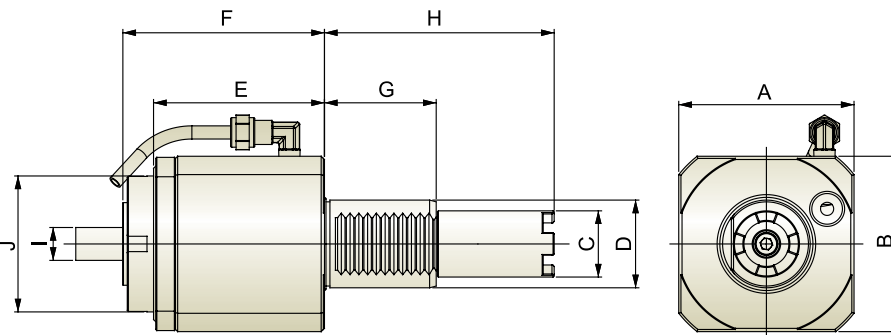
| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|----|----|------|----|--------|-------------|----|----------|
| THB-A05-40E | 78 | 78 | 30 | 40 | 58 | 90.3 | 51 | 104.85 | ER32 (3~20) | 50 | 3.4 |
| THB-A05-40F | 78 | 78 | 30 | 40 | 58 | 90.3 | 51 | 117.55 | ER32 (3~20) | 50 | 3.4 |
| THB-A05-40G | 78 | 78 | 30 | 40 | 58 | 90.3 | 51 | 130.55 | ER32(3~20) | 50 | 3.4 |
| THB-A06-40E | 80 | 80 | 30 | 40 | 78 | 119 | 51 | 104.85 | ER40 (4~26) | 63 | 4.4 |
| THB-A06-40F | 80 | 80 | 30 | 40 | 78 | 119 | 51 | 117.55 | ER40 (4~26) | 63 | 4.4 |
| THB-A06-40G | 80 | 80 | 30 | 40 | 58 | 119 | 51 | 130.55 | ER32(3~20) | 63 | 3.4 |

HAAS

Axial Female Thread Tool Holder 軸向內牙動力刀座

External Coolant
外部出水

 R.P.M. Max.
轉速最高 6,000 RPM



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|----|----|----|----|--------|-------------|----|----------|
| THB-A12-40E | 80 | 80 | 30 | 40 | 78 | 92 | 51 | 104.85 | ER32 (3~20) | 62 | 3.4 |
| THB-A12-40F | 80 | 80 | 30 | 40 | 78 | 92 | 51 | 117.55 | ER32 (3~20) | 62 | 3.4 |
| THB-A12-40G | 80 | 80 | 30 | 40 | 78 | 92 | 51 | 130.55 | ER32 (3~20) | 62 | 3.4 |

Driven & Static Tool Holder

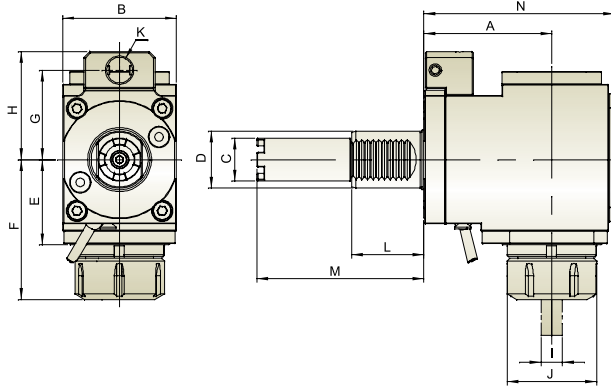


Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|-----|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to HAAS.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為HAAS
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm




| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|----|------|-------|-------|-------------|----|------|----|--------|-----|----------|
| THB-B05.65-40E | 65 | 76 | 30 | 40 | 49 | 81.5 | 63/70 | 75/82 | ER32 (3~20) | 50 | 16 | 51 | 104.85 | 101 | 5.1 |
| THB-B05.65-40F | 65 | 76 | 30 | 40 | 49 | 81.5 | 63/70 | 75/82 | ER32 (3~20) | 50 | 16 | 51 | 117.55 | 101 | 5.1 |
| THB-B05.65-40G | 65 | 76 | 30 | 40 | 49 | 81.5 | 63/70 | 75/82 | ER32 (3~20) | 51 | 15.5 | 51 | 130.55 | 101 | 5.1 |
| THB-B06.90-40E | 90 | 80 | 30 | 40 | 60 | 98.5 | 63/70 | 76 | ER40 (4~26) | 63 | 16 | 51 | 104.85 | 134 | 8.1 |
| THB-B06.90-40F | 90 | 80 | 30 | 40 | 60 | 98.5 | 63/70 | 76 | ER40 (4~26) | 63 | 16 | 51 | 117.55 | 134 | 8.1 |
| THB-B06.90-40G | 90 | 80 | 30 | 40 | 60 | 98.5 | 63/70 | 76 | ER40 (4~26) | 63 | 16 | 51 | 130.55 | 134 | 8.1 |

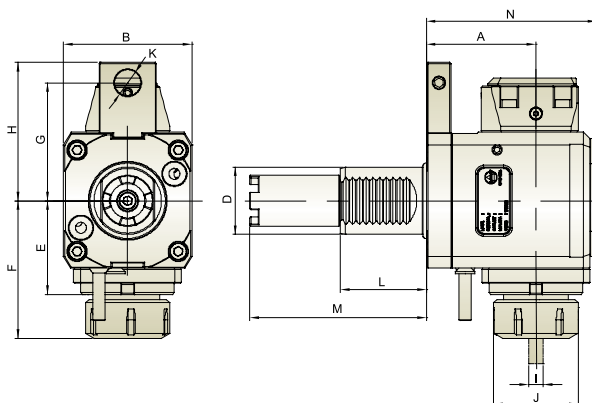
※ Further option : 6000 RPM 另有 6000RPM 可供選擇

HAAS

Radial Tool Holder 徑向動力刀座

Internal Coolant
中心出水

| | | | | | |
|---|-----|---|-----------|--|--------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |  Internal Coolant 中心冷卻出水 | 30 bar |
|---|-----|---|-----------|--|--------|



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|-----------------|----|----|----|----|------|-------|-------|-------------|----|----|----|--------|-----|----------|
| THB-B05.65-40EI | 65 | 76 | 40 | 49 | 81.5 | 63/70 | 75/82 | ER32 (3~20) | 50 | 16 | 51 | 104.85 | 101 | 5.1 |
| THB-B05.65-40FI | 65 | 76 | 40 | 49 | 81.5 | 63/70 | 75/82 | ER32 (3~20) | 50 | 16 | 51 | 117.55 | 101 | 5.1 |
| THB-B05.65-40GI | 65 | 76 | 40 | 49 | 81.5 | 63/70 | 75/82 | ER32 (3~20) | 50 | 16 | 51 | 130.55 | 101 | 5.1 |
| THB-B06.90-40EI | 90 | 80 | 40 | 60 | 98.5 | 63/70 | 75/82 | ER40 (4~26) | 63 | 16 | 51 | 104.85 | 134 | 8.3 |
| THB-B06.90-40FI | 90 | 80 | 40 | 60 | 98.5 | 63/70 | 75/82 | ER40 (4~26) | 63 | 16 | 51 | 117.55 | 134 | 8.3 |
| THB-B06.90-40GI | 90 | 80 | 40 | 60 | 98.5 | 63/70 | 75/82 | ER40 (4~26) | 63 | 16 | 51 | 130.55 | 134 | 8.3 |

※ Further option : 6000 RPM 另有 6000RPM 可供選擇

Driven & Static Tool Holder

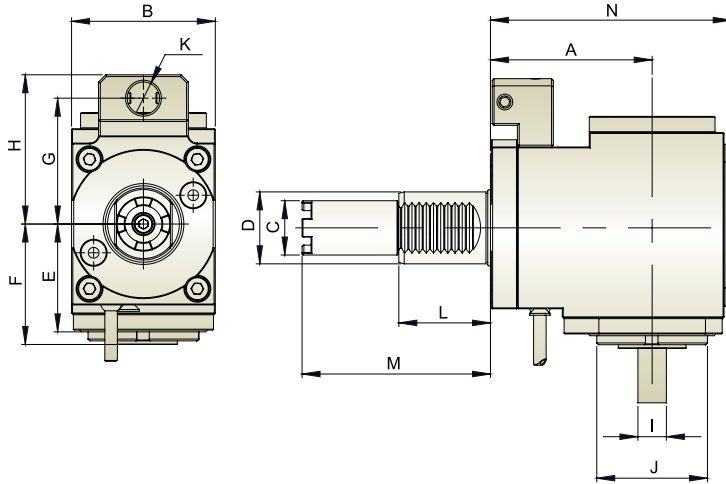


Radial Female Thread Tool Holder 徑向內牙動力刀座

External Coolant
外部出水

| | | | |
|-------------------|-----|---------------------|-----------|
| Gear Ratio 齒輪比 | 1:1 | R.P.M. Max. 轉速最高 | 4,000 RPM |
|-------------------|-----|---------------------|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to HAAS.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為HAAS
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|----|----|-------|-------|-------------|----|----|----|--------|-----|----------|
| THB-B12.90-40E | 90 | 80 | 30 | 40 | 60 | 67 | 63/70 | 75/83 | ER32 (3~20) | 62 | 16 | 51 | 104.85 | 134 | 5.1 |
| THB-B12.90-40F | 90 | 80 | 30 | 40 | 60 | 67 | 63/70 | 75/83 | ER32 (3~20) | 62 | 16 | 51 | 117.55 | 134 | 5.1 |
| THB-B12.90-40G | 90 | 80 | 30 | 40 | 60 | 67 | 63/70 | 75/83 | ER32 (3~20) | 62 | 16 | 51 | 130.55 | 134 | 5.1 |

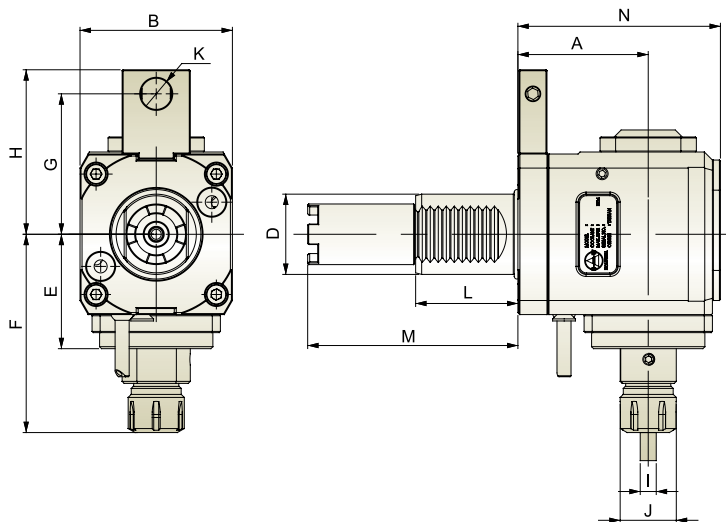
※ Further option : 6000 RPM 另有 6000RPM 可供選擇

HAAS

Radial ER Tapping Tool Holder 徑向 ER 彈性攻牙動力刀座

External Coolant
外部出水

| | | | |
|-------------------|-----|---------------------|-----------|
| Gear Ratio 齒輪比 | 1:1 | R.P.M. Max. 轉速最高 | 3,000 RPM |
|-------------------|-----|---------------------|-----------|



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|----|----------|----------|--------|----|----|----|--------|-----|----------|
| THB-B15.65-40E | 65 | 76 | 40 | 57 | 99 | 56/63/70 | 68/75/82 | M3~M12 | 34 | 16 | 51 | 104.85 | 101 | 4.9 |
| THB-B15.65-40F | 65 | 76 | 40 | 57 | 99 | 56/63/70 | 68/75/82 | M3~M12 | 34 | 16 | 51 | 117.55 | 101 | 4.9 |
| THB-B15.65-40G | 65 | 76 | 40 | 57 | 99 | 56/63/70 | 68/75/82 | M3~M12 | 34 | 16 | 51 | 130.55 | 101 | 4.9 |

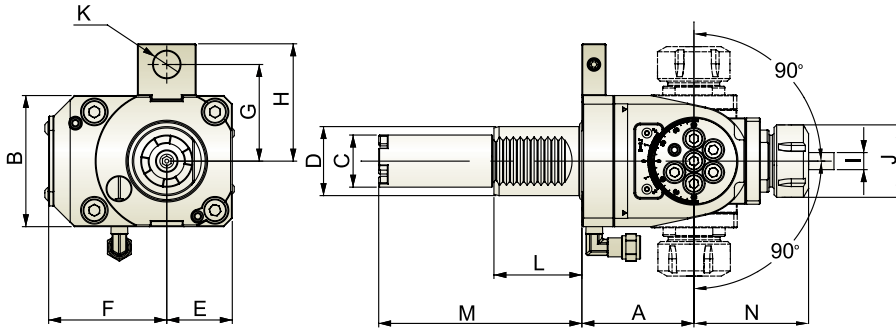


Angle Adjustable Tool Holder 萬向動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|-----|---|-----------|

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to HAAS.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- Cutting degree can be set from +90 to -90 degree for various applications.
- 接合面依據DIN 69880
- 傳動軸為HAAS
- 輸出軸筒夾為DIN 6499
- 同時適用於左手型刀塔及右手型刀塔
- 擺動角度+90度至-90度



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|----|------|-------|-------|-------------|----|----|----|--------|----|----------|
| THB-E04.65-40E | 65 | 76 | 30 | 40 | 38 | 68.5 | 63/70 | 75/82 | ER25 (2~16) | 42 | 16 | 51 | 104.85 | 85 | 4.65 |
| THB-E04.65-40F | 65 | 76 | 30 | 40 | 38 | 68.5 | 63/70 | 75/82 | ER25 (2~16) | 42 | 16 | 51 | 117.55 | 85 | 4.65 |
| THB-E04.65-40G | 65 | 76 | 30 | 40 | 38 | 68.5 | 63/70 | 75/82 | ER25 (2~16) | 42 | 16 | 51 | 130.55 | 85 | 4.65 |

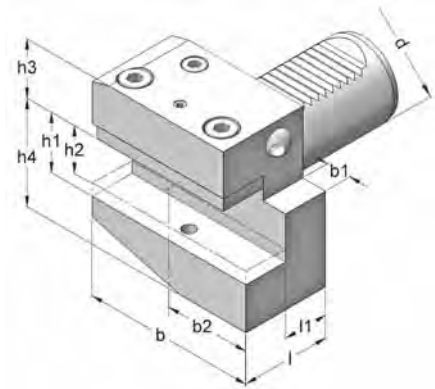
※ Optional Accessories : Hook Spanner. 另有選購配件：鉤型扳手



THA-B Radial Tool Holder 徑向外徑刀座

B1 Type

Radial Tool Holder
form B1 right hand, short
徑向外徑右手型刀座

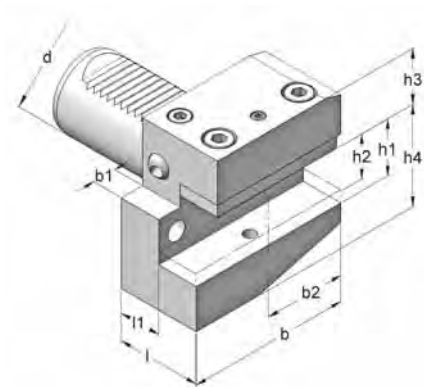


| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | Ref. No. |
|-------------|----|-----|------|------|----|----|------|----|----|----|-------------|
| THA-B1-3020 | 30 | 70 | 10 | 35 | 20 | 16 | 28 | 38 | 40 | 22 | B1-30x20x40 |
| THA-B1-4025 | 40 | 85 | 12.5 | 42.5 | 25 | 20 | 32.5 | 38 | 44 | 22 | B1-40x25x44 |
| THA-B1-5032 | 50 | 100 | 16 | 50 | 32 | 25 | 35 | 60 | 55 | 30 | B1-50x32x55 |

Unit : mm

B2 Type

Radial Tool Holder
form B2 left hand, short
徑向外徑左手型刀座

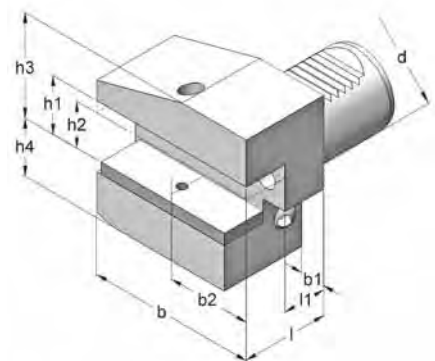


| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | Ref. No. |
|-------------|----|-----|------|------|----|----|------|----|----|----|-------------|
| THA-B2-3020 | 30 | 70 | 10 | 35 | 20 | 16 | 28 | 38 | 40 | 22 | B2-30x20x40 |
| THA-B2-4025 | 40 | 85 | 12.5 | 42.5 | 25 | 20 | 32.5 | 48 | 44 | 22 | B2-40x25x44 |
| THA-B2-5032 | 50 | 100 | 16 | 50 | 32 | 25 | 35 | 60 | 55 | 30 | B2-50x32x55 |

Unit : mm

B3 Type

Radial Tool Holder Overhead
form B3 right hand, short
徑向外徑右手型刀座

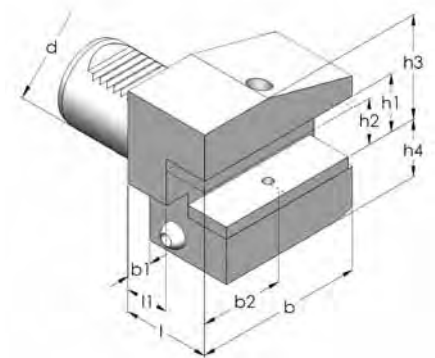


| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | Ref. No. |
|-------------|----|-----|------|------|----|----|----|------|----|----|-------------|
| THA-B3-3020 | 30 | 70 | 10 | 35 | 20 | 16 | 38 | 35 | 40 | 22 | B3-30x20x40 |
| THA-B3-4025 | 40 | 85 | 12.5 | 42.5 | 25 | 20 | 48 | 42.5 | 44 | 22 | B3-40x25x44 |
| THA-B3-5032 | 50 | 100 | 16 | 50 | 32 | 25 | 60 | 50 | 55 | 30 | B3-50x32x55 |

Unit : mm

B4 Type

Radial Tool Holder Overhead
form B4 left hand, short
徑向外徑左手型刀座



| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | Ref. No. |
|-------------|----|-----|------|------|----|----|----|------|----|----|-------------|
| THA-B4-3020 | 30 | 70 | 10 | 35 | 20 | 16 | 38 | 35 | 40 | 22 | B4-30x20x40 |
| THA-B4-4025 | 40 | 85 | 12.5 | 42.5 | 25 | 20 | 48 | 42.5 | 44 | 22 | B4-40x25x44 |
| THA-B4-5032 | 50 | 100 | 16 | 50 | 32 | 25 | 60 | 50 | 55 | 30 | B4-50x32x55 |

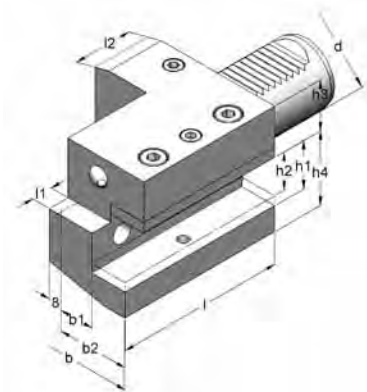
Unit : mm



THA-C Axial Tool Holder 軸向外徑刀座

C1 Type

Axial Tool Holder
form C1 right hand, short
軸向外徑右手型刀座

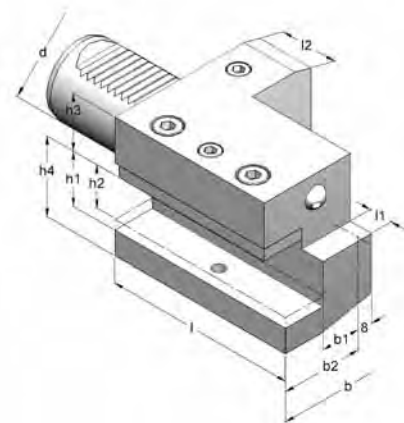


| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | l2 | Ref. No. |
|-------------|----|-----|------|------|----|----|------|----|-----|------|----|--------------|
| THA-C1-3020 | 30 | 70 | 17 | 35 | 20 | 16 | 28 | 38 | 70 | 10 | 30 | C1-30x20x75 |
| THA-C1-4025 | 40 | 85 | 20.5 | 42.5 | 25 | 20 | 32.5 | 48 | 85 | 12.5 | 30 | C1-40x25x85 |
| THA-C1-5032 | 50 | 100 | 25.5 | 50 | 32 | 25 | 35 | 60 | 100 | 16 | 40 | C1-50x32x100 |

Unit : mm

C2 Type

Axial Tool Holder
form C2 left hand, short
軸向外徑左手型刀座

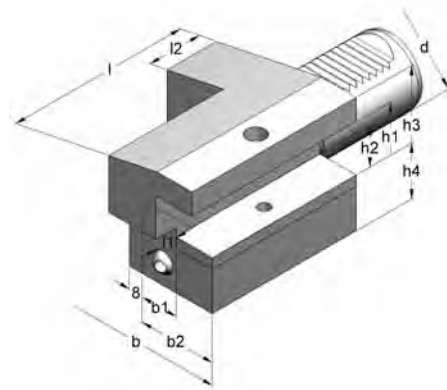


| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | l2 | Ref. No. |
|-------------|----|-----|------|------|----|----|------|----|-----|------|----|--------------|
| THA-C2-3020 | 30 | 74 | 21 | 39 | 20 | 16 | 28 | 38 | 70 | 10 | 30 | C2-30x20x75 |
| THA-C2-4025 | 40 | 90 | 25.5 | 47.5 | 25 | 20 | 32.5 | 48 | 85 | 12.5 | 30 | C2-40x25x80 |
| THA-C2-5032 | 50 | 105 | 30.5 | 55 | 32 | 25 | 35 | 60 | 100 | 16 | 40 | C2-50x32x100 |

Unit : mm

C3 Type

Axial Tool Holder Overhead form
C3 right hand, short
軸向外徑右手型刀座

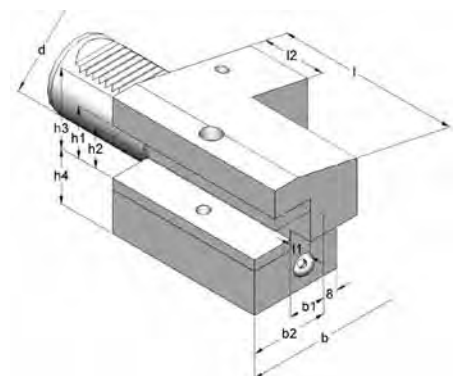


| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | l2 | Ref. No. |
|-------------|----|-----|------|------|----|----|------|----|-----|------|----|--------------|
| THA-C3-3020 | 30 | 70 | 17 | 35 | 20 | 16 | 28 | 38 | 70 | 10 | 30 | C3-30x20x75 |
| THA-C3-4025 | 40 | 85 | 20.5 | 42.5 | 25 | 20 | 32.5 | 48 | 85 | 12.5 | 30 | C3-40x25x80 |
| THA-C3-5032 | 50 | 100 | 25.5 | 50 | 32 | 25 | 35 | 60 | 100 | 16 | 40 | C3-50x32x100 |

Unit : mm

C4 Type

Axial Tool Holder Overhead form
C4 left hand, short
軸向外徑左手型刀座



| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | l2 | Ref. No. |
|-------------|----|-----|------|------|----|----|------|----|-----|------|----|--------------|
| THA-C4-3020 | 30 | 74 | 21 | 39 | 20 | 16 | 28 | 38 | 70 | 10 | 30 | C4-30x20x75 |
| THA-C4-4025 | 40 | 90 | 25.5 | 47.5 | 25 | 20 | 32.5 | 48 | 85 | 12.5 | 30 | C4-40x25x80 |
| THA-C4-5032 | 50 | 105 | 30.5 | 55 | 32 | 25 | 35 | 60 | 100 | 16 | 40 | C4-50x32x100 |

Unit : mm

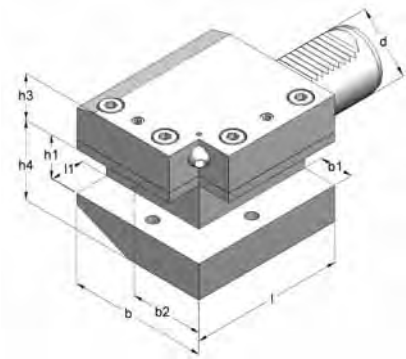
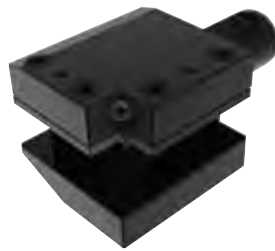


THA-BC Radial-Axial Tool Holder 徑向 - 軸向外徑刀座

B1/C1 Type

Radial-Axial Tool Holder
form B1/C1 right hand

徑向 - 軸向外徑右手型刀座



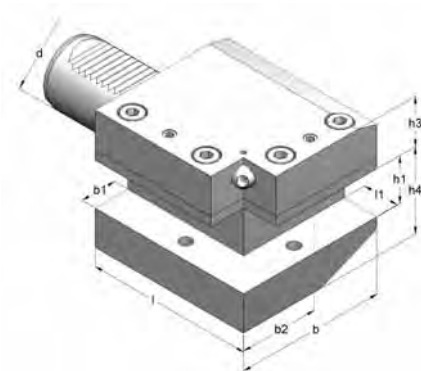
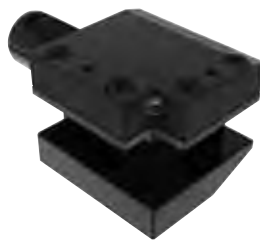
| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | Ref. No. |
|--------------|----|-----|----|------|----|----|----|------|-----|----|-----------------|
| THA-BC1-3020 | 30 | 70 | 18 | 35 | 20 | 16 | 38 | 35 | 70 | 18 | B1/C1-30x20x70 |
| THA-BC1-4025 | 40 | 85 | 22 | 42.5 | 25 | 20 | 48 | 42.5 | 100 | 25 | B1/C1-40x25x100 |
| THA-BC1-5032 | 50 | 100 | 24 | 50 | 32 | 25 | 60 | 50 | 120 | 25 | B1/C1-50x32x120 |

Unit : mm

B2/C2 Type

Radial-Axial Tool Holder
form B2/C2 left hand

徑向 - 軸向外徑左手型刀座



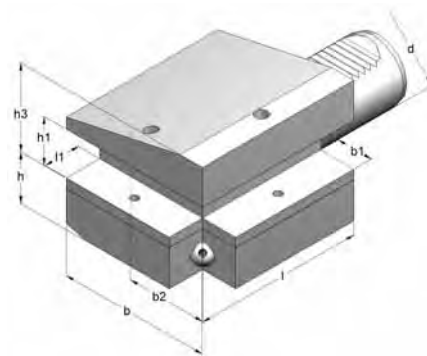
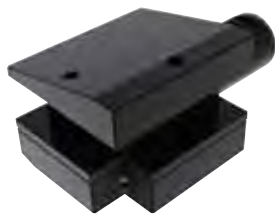
| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | Ref. No. |
|--------------|----|-----|----|------|----|----|----|------|-----|----|-----------------|
| THA-BC2-3020 | 30 | 74 | 18 | 39 | 20 | 16 | 38 | 35 | 70 | 18 | B2/C2-30x20x70 |
| THA-BC2-4025 | 40 | 90 | 22 | 47.5 | 25 | 20 | 48 | 42.5 | 100 | 25 | B2/C2-40x25x100 |
| THA-BC2-5032 | 50 | 105 | 24 | 55 | 32 | 25 | 60 | 50 | 120 | 25 | B2/C2-50x32x120 |

Unit : mm

B3/C3 Type

Radial-Axial Tool Holder Overhead
form B3/C3 right hand

徑向 - 軸向外徑右手型刀座



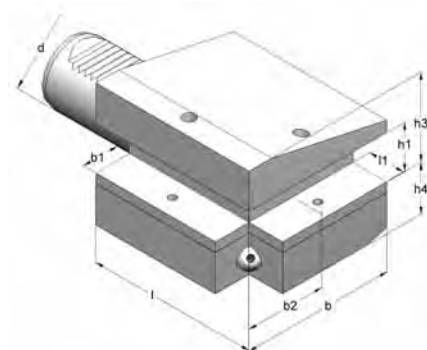
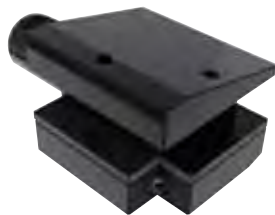
| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | Ref. No. |
|--------------|----|-----|----|------|----|----|----|------|-----|----|-----------------|
| THA-BC3-3020 | 30 | 70 | 18 | 35 | 20 | 16 | 38 | 35 | 70 | 18 | B3/C3-30x20x70 |
| THA-BC3-4025 | 40 | 85 | 22 | 42.5 | 25 | 20 | 48 | 42.5 | 100 | 25 | B3/C3-40x25x100 |
| THA-BC3-5032 | 50 | 100 | 24 | 50 | 32 | 25 | 60 | 50 | 120 | 25 | B3/C3-50x32x120 |

Unit : mm

B4/C4 Type

Radial-Axial Tool Holder Overhead form
B4/C4 left hand

徑向 - 軸向外徑左手型刀座

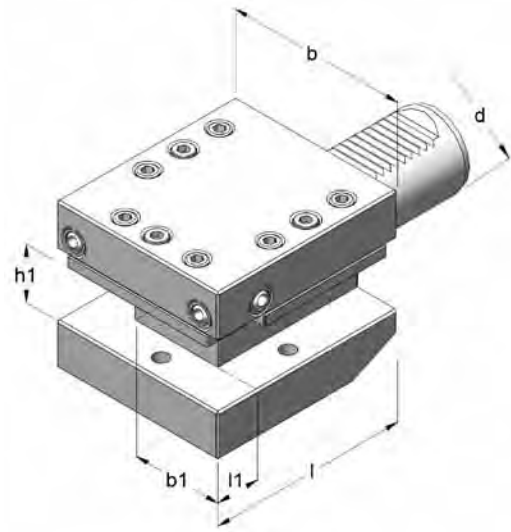
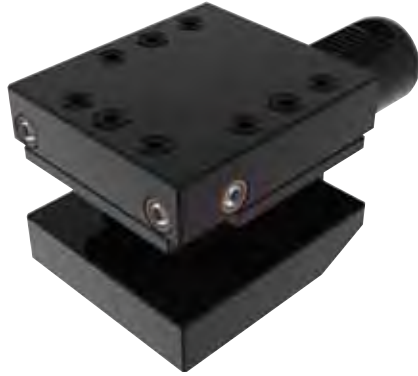


| Model No. | d | b | b1 | b2 | h1 | h2 | h3 | h4 | l | l1 | Ref. No. |
|--------------|----|-----|----|------|----|----|----|------|-----|----|-----------------|
| THA-BC4-3020 | 30 | 74 | 18 | 39 | 20 | 16 | 38 | 35 | 70 | 18 | B4/C4-30x20x70 |
| THA-BC4-4025 | 40 | 90 | 22 | 47.5 | 25 | 20 | 48 | 42.5 | 100 | 25 | B4/C4-40x25x100 |
| THA-BC4-5032 | 50 | 105 | 24 | 55 | 32 | 25 | 60 | 50 | 120 | 25 | B4/C4-50x32x120 |

Unit : mm



THA-D Multiple Tool Holder 萬向外徑刀座



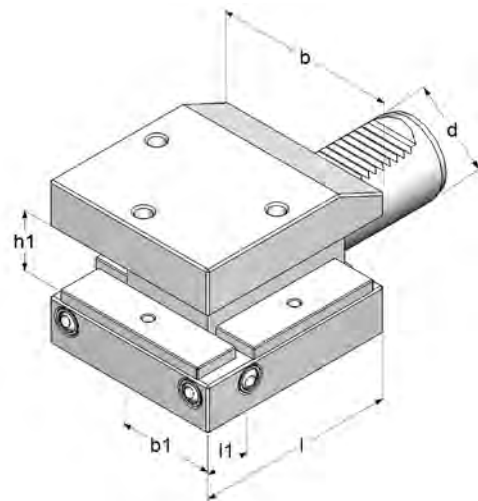
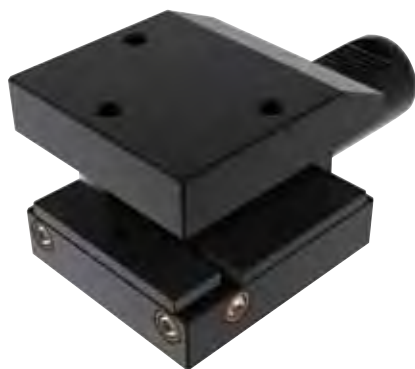
D1 Type

Multiple Tool Holder form D1
萬向外徑刀座

| Model No. | d | b | b1 | h1 | l | l1 | Ref. No. |
|-------------|----|-----|------|----|----|----|----------|
| THA-D1-3020 | 30 | 76 | 35 | 20 | 60 | 18 | D1-30x20 |
| THA-D1-4025 | 40 | 90 | 42.5 | 25 | 72 | 22 | D1-40x25 |
| THA-D1-5032 | 50 | 105 | 50 | 32 | 85 | 25 | D1-50x32 |

Unit : mm

VDI STATIC



D2 Type

Multiple Tool Holder form D2
萬向外徑刀座

| Model No. | d | b | b1 | h1 | l | l1 | Ref. No. |
|-------------|----|-----|------|----|----|----|----------|
| THA-D2-3020 | 30 | 76 | 35 | 20 | 60 | 18 | D2-30x20 |
| THA-D2-4025 | 40 | 90 | 42.5 | 25 | 72 | 22 | D2-40x25 |
| THA-D2-5032 | 50 | 105 | 50 | 32 | 85 | 25 | D2-50x32 |

Unit : mm



THA-E Tool Holder 内徑刀座

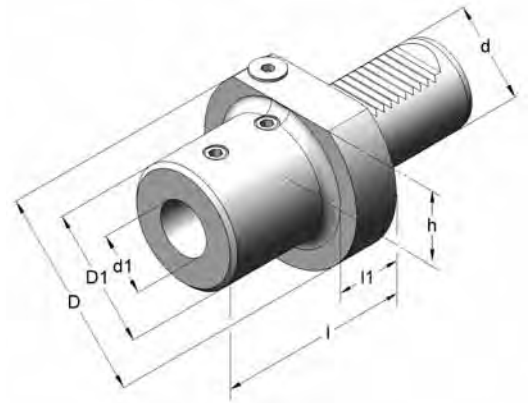
E1 Type

Tool Holder form E1 for U Drill

内徑 U-Drill 刀座

| Model No. | d | d1 | D | D1 | h | l | l1 | Ref. No. |
|-------------|----|----|----|----|------|----|----|----------|
| THA-E1-3016 | 30 | 16 | 68 | 34 | 28 | 66 | 22 | E1-30x16 |
| THA-E1-3020 | 30 | 20 | 68 | 40 | 28 | 66 | 22 | E1-30x20 |
| THA-E1-3025 | 30 | 25 | 68 | 45 | 28 | 71 | 22 | E1-30x25 |
| THA-E1-3032 | 30 | 32 | 68 | 52 | 28 | 75 | 22 | E1-30x32 |
| THA-E1-4016 | 40 | 16 | 83 | 34 | 32.5 | 66 | 22 | E1-40x16 |
| THA-E1-4020 | 40 | 20 | 83 | 40 | 32.5 | 66 | 22 | E1-40x20 |
| THA-E1-4025 | 40 | 25 | 83 | 45 | 32.5 | 71 | 22 | E1-40x25 |
| THA-E1-4032 | 40 | 32 | 83 | 52 | 32.5 | 75 | 22 | E1-40x32 |
| THA-E1-4040 | 40 | 40 | 83 | 60 | 32.5 | 85 | 22 | E1-40x40 |
| THA-E1-5020 | 50 | 20 | 98 | 40 | 35 | 66 | 30 | E1-50x20 |
| THA-E1-5025 | 50 | 25 | 98 | 45 | 35 | 71 | 30 | E1-50x25 |
| THA-E1-5032 | 50 | 32 | 98 | 52 | 35 | 75 | 30 | E1-50x32 |
| THA-E1-5040 | 50 | 40 | 98 | 60 | 35 | 85 | 30 | E1-50x40 |
| THA-E1-5050 | 50 | 50 | 98 | 70 | 35 | 95 | 30 | E1-50x50 |

Unit : mm



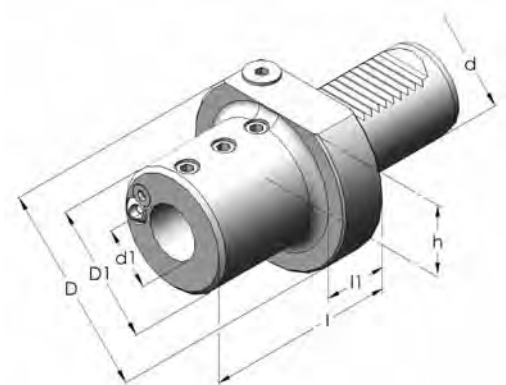
E2 Type

Side Lock Tool Holder form E2

内孔側固式刀座

| Model No. | d | d1 | D | D1 | h | l | l1 | Ref. No. |
|-------------|----|----|----|----|------|-----|----|----------|
| THA-E2-3008 | 30 | 8 | 68 | 55 | 28 | 60 | 22 | E2-30x08 |
| THA-E2-3010 | 30 | 10 | 68 | 55 | 28 | 60 | 22 | E2-30x10 |
| THA-E2-3012 | 30 | 12 | 68 | 55 | 28 | 60 | 22 | E2-30x12 |
| THA-E2-3016 | 30 | 16 | 68 | 55 | 28 | 60 | 22 | E2-30x16 |
| THA-E2-3020 | 30 | 20 | 68 | 55 | 28 | 60 | 22 | E2-30x20 |
| THA-E2-3025 | 30 | 25 | 68 | 55 | 28 | 60 | 22 | E2-30x25 |
| THA-E2-3032 | 30 | 32 | 68 | - | 28 | 75 | - | E2-30x32 |
| THA-E2-4008 | 40 | 8 | 83 | 55 | 32.5 | 75 | 22 | E2-40x08 |
| THA-E2-4010 | 40 | 10 | 83 | 55 | 32.5 | 75 | 22 | E2-40x10 |
| THA-E2-4012 | 40 | 12 | 83 | 55 | 32.5 | 75 | 22 | E2-40x12 |
| THA-E2-4016 | 40 | 16 | 83 | 55 | 32.5 | 75 | 22 | E2-40x16 |
| THA-E2-4020 | 40 | 20 | 83 | 55 | 32.5 | 75 | 22 | E2-40x20 |
| THA-E2-4025 | 40 | 25 | 83 | 55 | 32.5 | 75 | 22 | E2-40x25 |
| THA-E2-4032 | 40 | 32 | 83 | - | 32.5 | 75 | - | E2-40x32 |
| THA-E2-4040 | 40 | 40 | 83 | - | 32.5 | 75 | - | E2-40x40 |
| THA-E2-5020 | 50 | 20 | 98 | 68 | 35 | 90 | 30 | E2-50x20 |
| THA-E2-5025 | 50 | 25 | 98 | 68 | 35 | 90 | 30 | E2-50x25 |
| THA-E2-5032 | 50 | 32 | 98 | 68 | 35 | 90 | 30 | E2-50x32 |
| THA-E2-5040 | 50 | 40 | 98 | - | 35 | 90 | - | E2-50x40 |
| THA-E2-5050 | 50 | 50 | 98 | - | 35 | 100 | - | E2-50x50 |

Unit : mm

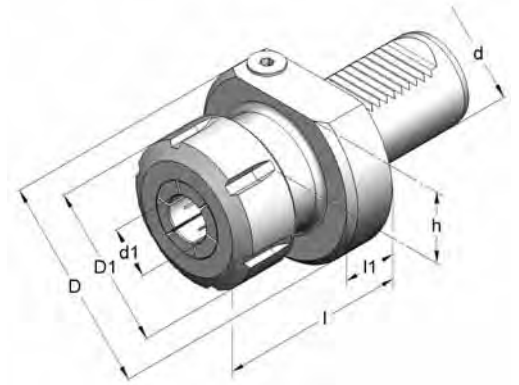




THA-E Tool Holder 內徑刀座

E4 Type

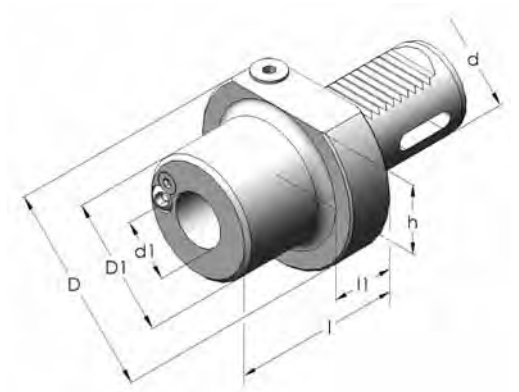
ER Collet Chuck Tool Holder form E4
內孔 ER 筒夾式刀座



| Model No. | d | d1 | D | D1 | l | ER | Ref. No. |
|-------------|----|-------|----|----|----|----|----------|
| THA-E4-3020 | 30 | 2-20 | 68 | 50 | 75 | 32 | E4-30x20 |
| THA-E4-3026 | 30 | 3-26 | 68 | 63 | 75 | 40 | E4-30x26 |
| THA-E4-4020 | 40 | 2-20 | 83 | 50 | 75 | 32 | E4-40x20 |
| THA-E4-4026 | 40 | 3-26 | 83 | 63 | 75 | 40 | E4-40x26 |
| THA-E4-5026 | 50 | 3-26 | 98 | 63 | 90 | 40 | E4-50x26 |
| THA-E4-5034 | 50 | 10-34 | 98 | 78 | 90 | 50 | E4-50x34 |

Unit : mm

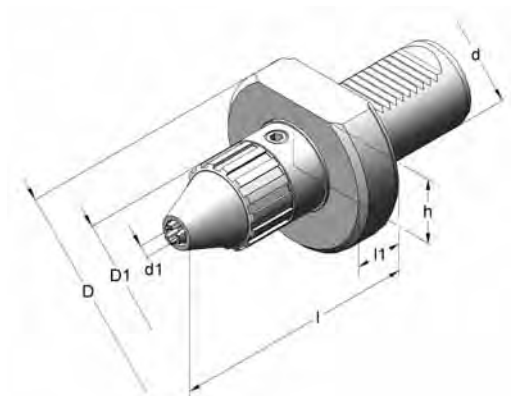
THA-F Morse Taper Tool Holder 內孔莫式刀座



| Model No. | d | d1 | D | D1 | h | l | l1 | Ref. No. |
|--------------|----|----|----|----|------|----|----|------------|
| THA-F1-30MT1 | 30 | 1 | 68 | 52 | 28 | 25 | 20 | F30-MK-DK1 |
| THA-F1-30MT2 | 30 | 2 | 68 | 58 | 28 | 25 | 20 | F30-MK-DK2 |
| THA-F1-30MT3 | 30 | 3 | 68 | 68 | 28 | 40 | 20 | F30-MK-DK3 |
| THA-F1-40MT2 | 40 | 2 | 83 | 58 | 32.5 | 34 | 25 | F40-MK-DK2 |
| THA-F1-40MT3 | 40 | 3 | 83 | 64 | 32.5 | 58 | 25 | F40-MK-DK3 |
| THA-F1-40MT4 | 40 | 4 | 83 | 72 | 32.5 | 86 | 25 | F40-MK-DK4 |
| THA-F1-50MT2 | 50 | 2 | 98 | - | 35 | 25 | - | F50-MK-DK2 |
| THA-F1-50MT3 | 50 | 3 | 98 | 64 | 35 | 42 | 25 | F50-MK-DK3 |
| THA-F1-50MT4 | 50 | 4 | 98 | 72 | 35 | 71 | 25 | F50-MK-DK4 |

Unit : mm

THA-G Quick Locking Drill Chuck 鑽孔夾頭刀座



| Model No. | d | d1 | D | D1 | h | l | l1 |
|-------------|----|--------|----|----|------|----|----|
| THA-G1-3013 | 30 | 1-13 | 68 | 43 | 28 | 81 | 18 |
| THA-G1-4013 | 40 | 1-13 | 83 | 43 | 32.5 | 77 | 18 |
| THA-G1-4016 | 40 | 2.5-16 | 83 | 56 | 32.5 | 95 | 18 |
| THA-G1-5016 | 50 | 2.5-16 | 98 | 56 | 35 | 95 | 18 |

Unit : mm



THA-T Radial Boring Bar Tool Holder 徑向側固式內孔刀座

• Optional Accessories 選購配件：

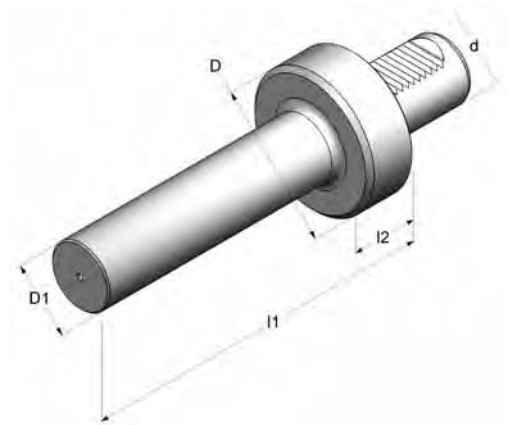


| Model No. | d | d1 | b | h | l | l1 |
|----------------|----|----|----|----|-----|-----|
| THA-T1-303285 | 30 | 32 | 70 | 64 | 110 | 85 |
| THA-T1-3032100 | 30 | 32 | 70 | 64 | 125 | 100 |
| THA-T1-4032100 | 40 | 32 | 85 | 76 | 125 | 100 |
| THA-T1-4032120 | 40 | 32 | 85 | 76 | 145 | 120 |
| THA-T1-4040100 | 40 | 40 | 85 | 76 | 129 | 100 |
| THA-T1-4040120 | 40 | 40 | 85 | 76 | 149 | 120 |

Unit : mm

※ Further option : internal coolant. 另有中心出水可供選擇。

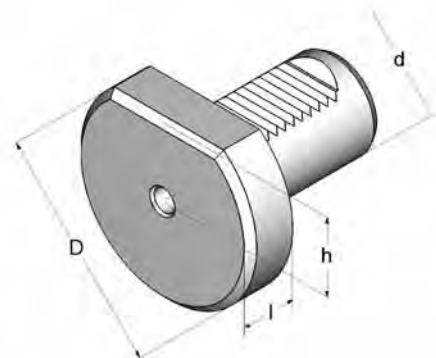
THA-TA Test Arbor 測試棒



| Model No. | d | D | D1 | l1 | l2 |
|-----------|----|----|----|-----|----|
| THA-TA-30 | 30 | 68 | 30 | 190 | 30 |
| THA-TA-40 | 40 | 83 | 40 | 190 | 30 |
| THA-TA-50 | 50 | 98 | 50 | 190 | 30 |

Unit : mm

THA-Z Plug 防塵蓋



| Model No. | d | D | h | l |
|-----------|----|----|------|----|
| THA-Z2-30 | 30 | 68 | 28 | 16 |
| THA-Z2-40 | 40 | 83 | 32.5 | 12 |
| THA-Z2-50 | 50 | 98 | 35 | 12 |

Unit : mm

Driven & Static Tool Holder

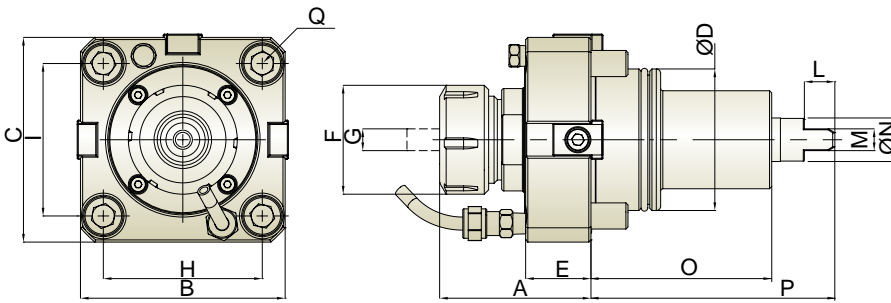


Axial Tool Holder 軸向動力刀座

External Coolant
外部出水

R.P.M. Max. 轉速最高 6,000 RPM

- Driven Coupling is according to DIN 1809. ● 傳動軸為1809
- ER Collet is according to DIN 6499. ● 輸出軸筒夾為DIN 6499



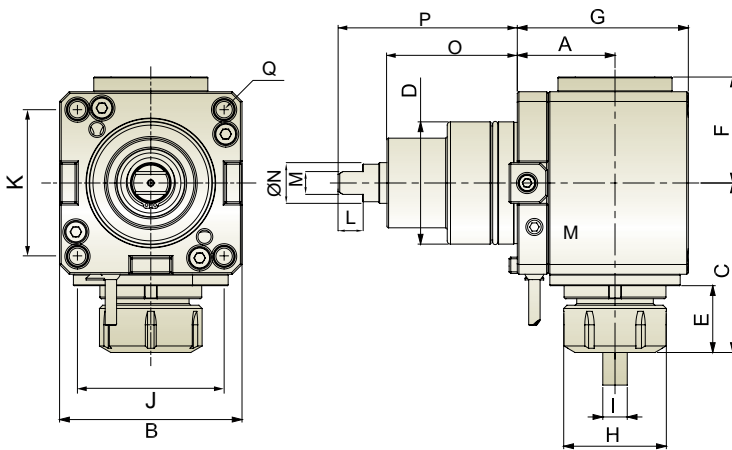
Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | L | M | N | O | P | Q | N.W.(KG) |
|-------------|------|-----|-----|----|----|----|--------------|-----|-----|----|----|------|----|-------|-----|----------|
| THM-A04-55A | 56.7 | 85 | 85 | 55 | 29 | 42 | ER25 (2~16) | 64 | 64 | 10 | 8 | 17 | 75 | 103.5 | M10 | 3.3 |
| THM-A05-65A | 68.5 | 94 | 94 | 65 | 30 | 50 | ER32 (3~20) | 73 | 70 | 14 | 10 | 20 | 81 | 111.5 | M12 | 4.2 |
| THM-A06-75A | 78 | 112 | 112 | 75 | 30 | 63 | ER40 (4~26) | 90 | 90 | 15 | 14 | 23 | 80 | 110 | M12 | 5.2 |
| THM-A07-85A | 108 | 125 | 125 | 85 | 44 | 78 | ER50 (12~34) | 100 | 100 | 20 | 16 | 27.5 | 96 | 136 | M12 | 10.8 |

Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

Gear Ratio 齒輪比 1 : 1 R.P.M. Max. 轉速最高 4,000 RPM



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | N.W.(KG) |
|-----------------|-----|-----|-------|----|------|------|-----|----|--------------|-----|-----|----|----|------|----|-------|-----|----------|
| THM-B04.60-55A | 60 | 85 | 78.5 | 55 | 27.5 | 50 | 86 | 42 | ER25 (2~16) | 64 | 64 | 10 | 8 | 17 | 75 | 103.5 | M10 | 7.5 |
| THM-B05.72-65A | 72 | 94 | 92 | 65 | 36 | 54.5 | 108 | 50 | ER32 (3~20) | 73 | 70 | 14 | 10 | 20 | 81 | 111.5 | M12 | 9.8 |
| THM-B05.100-65A | 100 | 94 | 92 | 65 | 36 | 54.5 | 136 | 50 | ER32 (3~20) | 73 | 70 | 14 | 10 | 20 | 81 | 111.5 | M12 | 10.4 |
| THM-B06.60-75A | 60 | 112 | 104 | 75 | 41 | 65 | 105 | 63 | ER40 (4~26) | 90 | 90 | 15 | 14 | 23 | 80 | 110 | M12 | 11.6 |
| THM-B06.90-75A | 90 | 112 | 104 | 75 | 41 | 65 | 135 | 63 | ER40 (4~26) | 90 | 90 | 15 | 14 | 23 | 80 | 110 | M12 | 14 |
| THM-B06.125-75A | 125 | 112 | 104 | 75 | 41 | 65 | 170 | 63 | ER40 (4~26) | 90 | 90 | 15 | 14 | 23 | 80 | 110 | M12 | 17 |
| THM-B07.110-85A | 110 | 125 | 134.8 | 85 | 54.3 | 75.5 | 160 | 78 | ER50 (12~34) | 100 | 100 | 20 | 16 | 27.5 | 96 | 136 | M12 | 23.3 |

* Further option : 6000 RPM 另有 6000RPM 可供選擇

Driven & Static Tool Holder

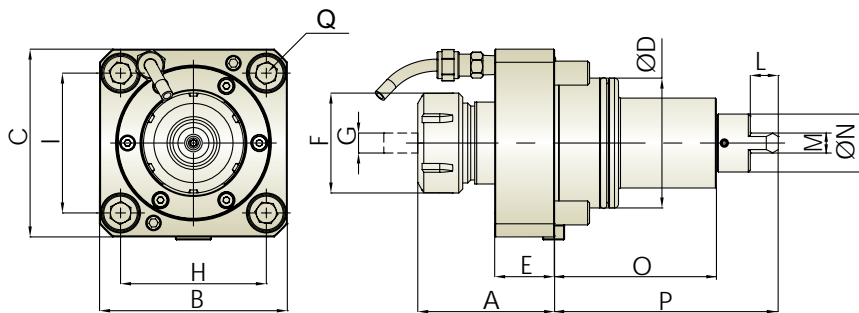


Axial Tool Holder 軸向動力刀座

External Coolant
外部出水

R.P.M. Max. 轉速最高 6,000 RPM

- Driven Coupling is according to DIN 1809. • 傳動軸為1809
- ER Collet is according to DIN 6499. • 輸出軸筒夾為DIN 6499



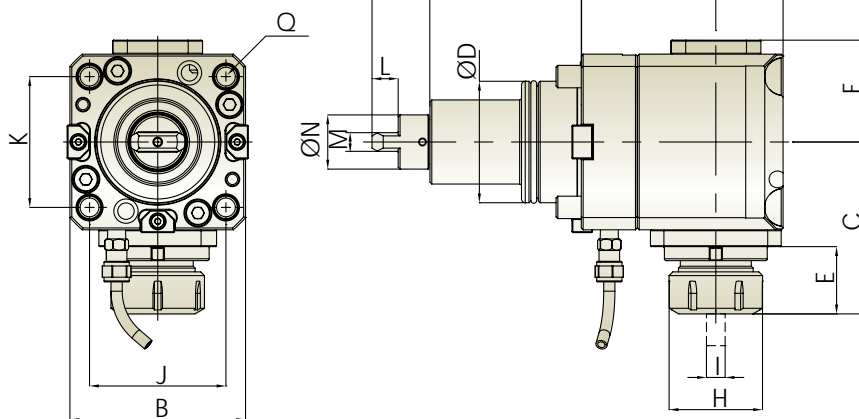
Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | L | M | N | O | P | Q | N.W.(KG) |
|-------------|------|----|----|----|----|----|-------------|----|----|----|----|----|----|-------|-----|----------|
| THM-A04-55C | 56.7 | 85 | 85 | 55 | 29 | 43 | ER25 (2~16) | 64 | 64 | 10 | 8 | 29 | 75 | 103.5 | M10 | 2.6 |
| THM-A05-65C | 68.5 | 94 | 94 | 65 | 30 | 50 | ER32 (3~20) | 73 | 70 | 14 | 10 | 29 | 81 | 111.5 | M12 | 3.6 |

Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

Gear Ratio 齒輪比 1:1 R.P.M. Max. 轉速最高 4,000 RPM



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | N.W.(KG) |
|----------------|----|----|------|----|------|------|-----|----|-------------|----|----|----|----|----|----|-------|-----|----------|
| THM-B04.60-55C | 60 | 85 | 78.5 | 55 | 27.5 | 50 | 86 | 43 | ER25 (2~16) | 64 | 64 | 10 | 8 | 29 | 75 | 103.5 | M10 | 5.5 |
| THM-B05.72-65C | 72 | 94 | 92 | 65 | 36 | 54.5 | 108 | 50 | ER32 (3~20) | 73 | 70 | 14 | 10 | 29 | 81 | 111.5 | M12 | 8.5 |

※ Further option : 6000 RPM 另有 6000RPM 可供選擇

DOOSAN

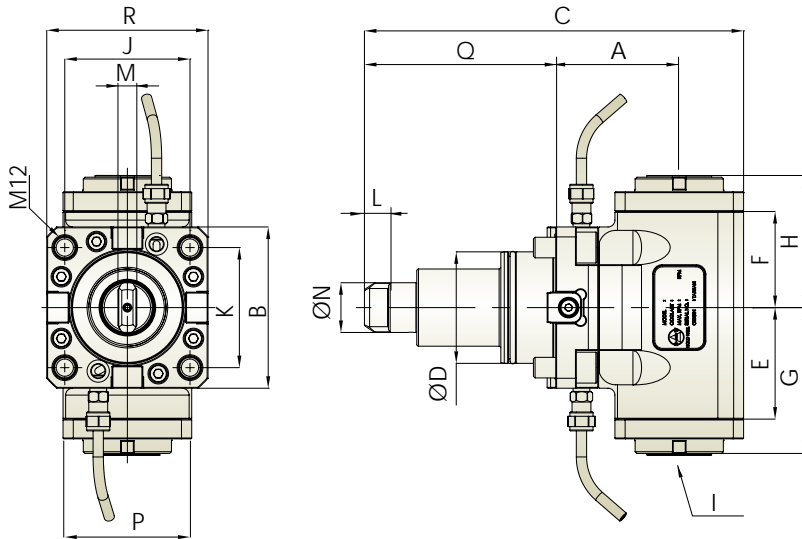


Radial Female Thread Double Head Tool Holder 徑向內牙雙頭動力刀座

External Coolant
外部出水

| | | | |
|---|-----|---|-----------|
|  Gear Ratio 齒輪比 | 1:1 |  R.P.M. Max. 轉速最高 | 4,000 RPM |
|---|-----|---|-----------|

- Driven Coupling is according to DIN 1809. ● 傳動軸為1809
- ER Collet is according to DIN 6499. ● 輸出軸筒夾為DIN 6499



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | P | Q | R | N.W.(KG) |
|----------------|----|----|-----|----|----|----|----|----|------------|----|----|----|----|----|----|-------|----|----------|
| THM-H11.70-55C | 70 | 94 | 211 | 55 | 55 | 50 | 75 | 70 | ER25(2~16) | 64 | 64 | 8 | 10 | 29 | 75 | 103.5 | 85 | 7.3 |
| THM-H12.72-65C | 72 | 94 | 221 | 65 | 65 | 56 | 85 | 77 | ER32(3~20) | 73 | 70 | 10 | 14 | 29 | 75 | 111.5 | 94 | 8.4 |

Driven & Static Tool Holder

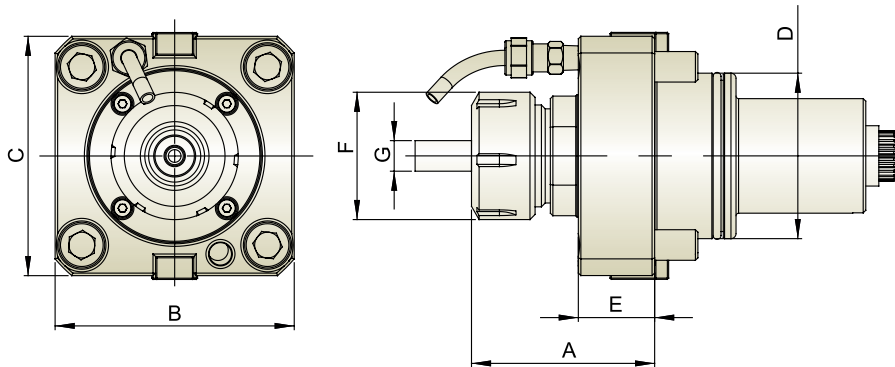


Axial Tool Holder 軸向動力刀座

External Coolant
外部出水

R.P.M. Max. 6,000 RPM
轉速最高

- Driven Coupling is according to DIN 5480. • 傳動軸為DIN 5480
- ER Collet is according to DIN 6499. • 輸出軸筒夾為DIN 6499



Unit : mm

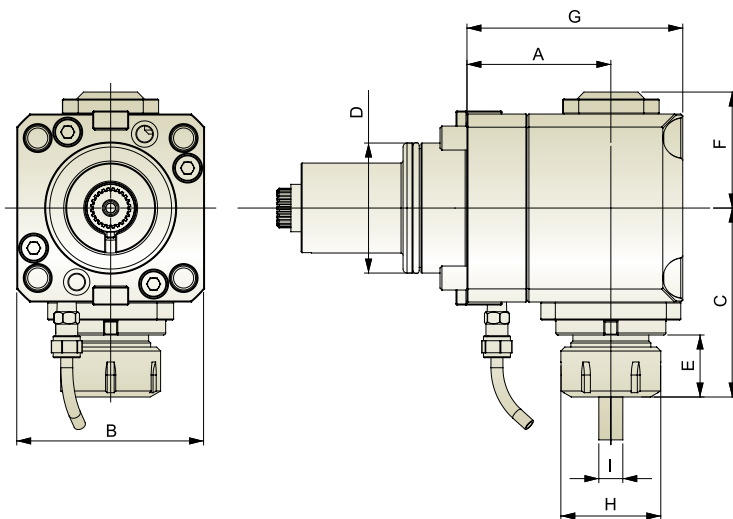
| Model No. | A | B | C | D | E | F | G | N.W.(KG) |
|-------------|------|----|----|----|----|----|-------------|----------|
| THM-A05-65B | 63.5 | 94 | 94 | 65 | 30 | 50 | ER32 (3~20) | 4.2 |

Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

Gear Ratio 1 : 1
齒輪比

R.P.M. Max. 4,000 RPM
轉速最高



Unit : mm

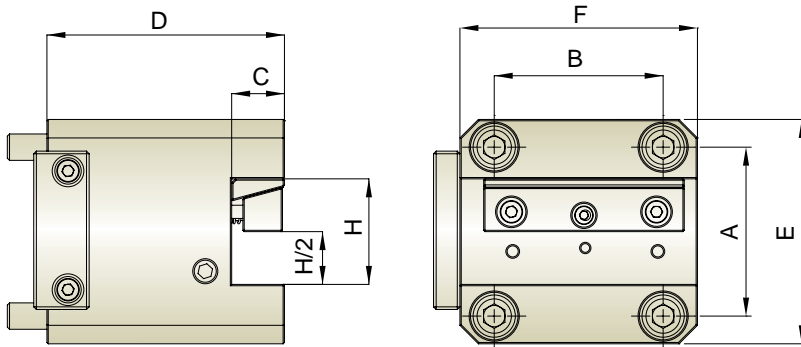
| Model No. | A | B | C | D | E | F | G | H | I | N.W.(KG) |
|----------------|----|----|----|----|----|----|-----|----|-------------|----------|
| THM-B05.72-65B | 72 | 94 | 95 | 65 | 34 | 60 | 108 | 50 | ER32 (3~20) | 9.8 |

* Further option : 6000 RPM 另有 6000RPM 可供選擇

DOOSAN



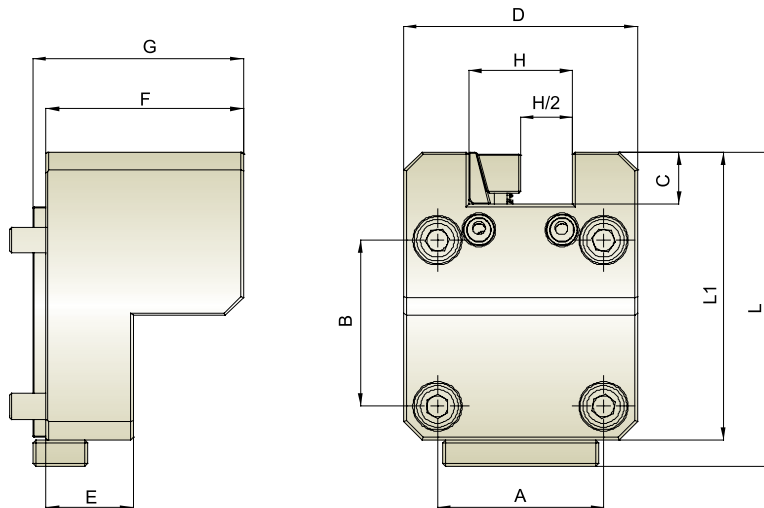
Face and ID Tool Holder B1 端面内徑刀座 B1



Unit : mm

| Model No. | A | B | C | D | H | H/2 | E | F | N.W.(KG) | Suitable Machine |
|-----------------|-----|-----|----|-----|----|-----|-----|-----|----------|--|
| THL-DPM-B1-5520 | 64 | 64 | 20 | 90 | 40 | 20 | 85 | 90 | 4.4 | PUMA 230, PUMA 240(M/MS), PUMA 280 LM, PUMA 1500/2000/2500(M/MS/Y/SY), PUMA 2100 |
| THL-DPM-B1-5525 | 64 | 64 | 25 | 90 | 50 | 25 | 85 | 90 | 4.5 | PUMA 230, PUMA 240(M/MS), PUMA 280 LM, PUMA 1500/2000/2500(M/MS/Y/SY), PUMA 2100 |
| THL-DPM-B1-6525 | 73 | 70 | 25 | 125 | 50 | 25 | 96 | 100 | 8.2 | PUMA300M/MS, PUMA2100/2600/3100 series |
| THL-DPM-B1-7525 | 90 | 90 | 25 | 135 | 50 | 25 | 112 | 120 | 12.8 | PUMA400 - PUMA480M/LM/XLM |
| THL-DPM-B1-8532 | 100 | 100 | 32 | 142 | 64 | 32 | 125 | 125 | 15.1 | PUMA600M/LM, PUMA700M/LM |

Face and OD Tool Holder C1 端面外徑刀座 C1

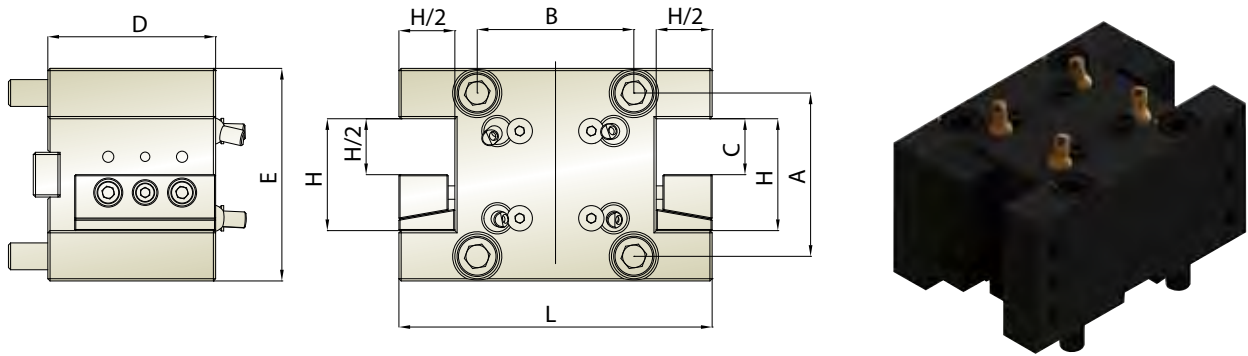


Unit : mm

| Model No. | A | B | C | D | E | F | G | H | H/2 | L | L1 | N.W.(KG) | Suitable Machine |
|-----------------|-----|-----|----|-----|------|------|------|----|-----|-------|-------|----------|--|
| THL-DPM-C1-5520 | 64 | 64 | 20 | 90 | 33.5 | 76 | 81 | 40 | 20 | 121 | 111 | 3.9 | PUMA 230, PUMA 240(M/MS), PUMA 280 LM, PUMA 1500/2000/2500(M/MS/Y/SY), PUMA 2100 |
| THL-DPM-C1-5525 | 64 | 64 | 25 | 90 | 33.5 | 76 | 81 | 50 | 25 | 121 | 111 | 3.9 | PUMA 230, PUMA 240(M/MS), PUMA 280 LM, PUMA 1500/2000/2500(M/MS/Y/SY), PUMA 2100 |
| THL-DPM-C1-6525 | 73 | 70 | 25 | 96 | 40 | 82.5 | 87.5 | 50 | 25 | 143 | 131 | 5.6 | PUMA300M/MS, PUMA2100/2600/3100 series |
| THL-DPM-C1-7525 | 90 | 90 | 25 | 112 | 34.8 | 85 | 90 | 50 | 25 | 155.5 | 145.5 | 7.1 | PUMA400 - PUMA480M/LM/XLM |
| THL-DPM-C1-7532 | 90 | 90 | 32 | 112 | 50 | 100 | 105 | 64 | 32 | 162.5 | 152.5 | 8.1 | PUMA400 - PUMA480M/LM/XLM |
| THL-DPM-C1-8532 | 100 | 100 | 32 | 125 | 50 | 100 | 105 | 64 | 32 | 175 | 165 | 10.5 | PUMA600M/LM, PUMA700M/LM |



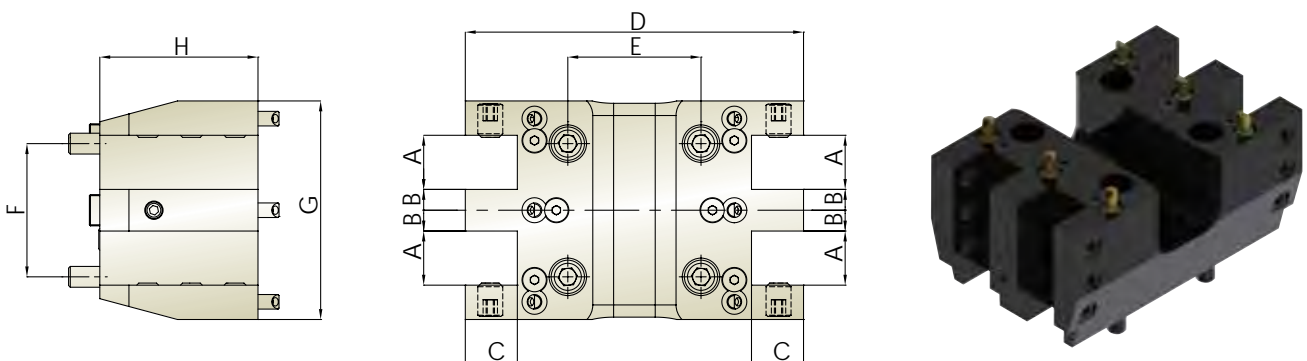
Double Face and OD Tool Holder CD1 雙刃端面外徑刀座 CD1



Unit : mm

| Model No. | A | B | C | D | E | H/2 | H | L | N.W.(KG) | Suitable Machine |
|------------------|----|----|----|----|-----|-----|----|-----|----------|--|
| THL-DPM-CD1-5520 | 64 | 64 | 20 | 76 | 90 | 20 | 40 | 122 | 4.7 | PUMA 230, PUMA 240(M/MS), PUMA 280 LM, PUMA 1500/2000/2500(M/MS/Y/SY), PUMA 2100 |
| THL-DPM-CD1-6525 | 73 | 70 | 25 | 80 | 96 | 25 | 50 | 140 | 6.8 | PUMA300M/MS, PUMA2100/2600/3100 series |
| THM-DPM-CD1-7532 | 90 | 90 | 32 | 85 | 112 | 32 | 64 | 177 | 8.5 | PUMA400 - PUMA480M/LM/XLM |

Quadruple Face and OD Tool Holder CD2 四刃端面外徑刀座 CD2

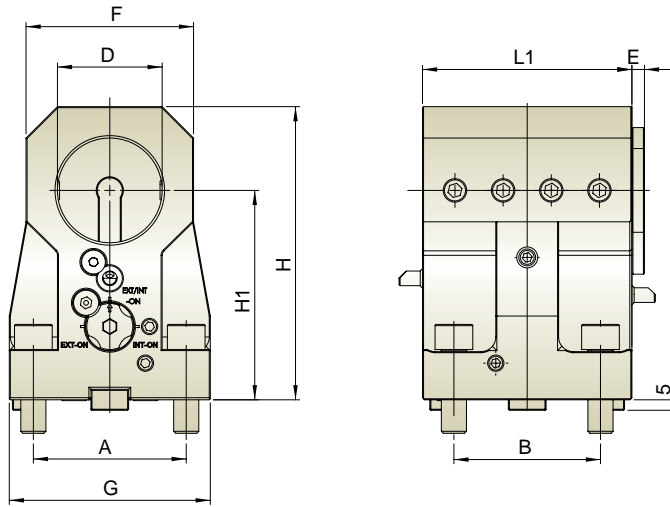


Unit : mm

| Model No. | A | B | C | D | E | F | G | H | N.W.(KG) | Suitable Machine |
|------------------|----|----|----|-------|----|----|-----|----|----------|--|
| THL-DPM-CD2-5525 | 25 | 10 | 25 | 162.5 | 64 | 64 | 105 | 76 | 5.75 | PUMA 230, PUMA 240(M/MS), PUMA 280 LM, PUMA 1500/2000/2500(M/MS/Y/SY), PUMA 2100 |



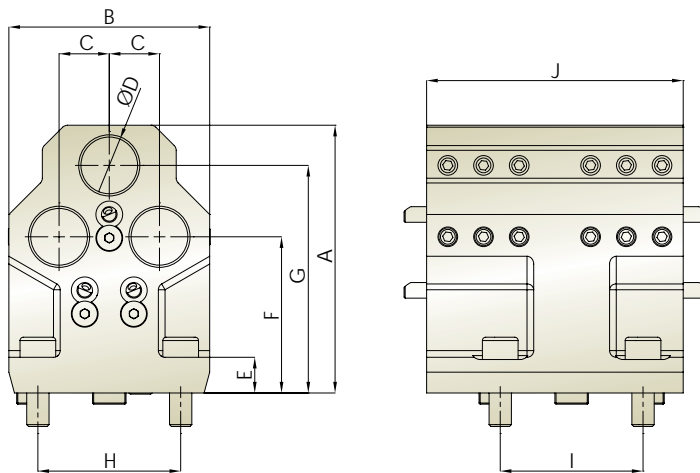
Boring Bar Tool Holder T1 (Adjustable Coolant) 徑向內孔刀座 T1 (可調式出水)



Unit : mm

| Model No. | A | B | D | E | F | G | H | H1 | L1 | N.W.(KG) | Suitable Machine |
|-----------------------|-----|-----|----|----|-----|-----|-----|-----|-----|----------|--|
| THL-DPM-T1-554070-AI | 64 | 64 | 40 | 6 | 70 | 85 | 101 | 70 | 95 | 3.9 | PUMA 230, PUMA 240(M/MS), PUMA 280 LM, PUMA 1500/2000/2500(M/MS/Y/SY), PUMA 2100 |
| THL-DPM-T1-6550100-AI | 73 | 70 | 50 | 6 | 80 | 96 | 140 | 100 | 100 | 6.8 | PUMA300M/MS, PUMA2100/2600/3100 series |
| THL-DPM-T1-7560110-AI | 90 | 90 | 60 | 12 | 90 | 112 | 155 | 110 | 119 | 10.5 | PUMA400 - PUMA480M/LM/XLM |
| THL-DPM-T1-7560125 | 90 | 90 | 60 | — | 112 | 112 | 170 | 125 | 119 | 11 | PUMA400 - PUMA480M/LM/XLM |
| THL-DPM-T1-8560110 | 100 | 100 | 60 | — | 90 | 125 | 155 | 110 | 125 | 12 | PUMA600M/LM, PUMA700M/LM |

3-Pos. Boring Bar Tool Holder T3 徑向三孔刀座 T3



Unit : mm


| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) | Suitable Machine |
|---------------------|-----|----|------|------|----|----|-----|----|----|-----|----------|--|
| THL-DPM-T3-5525.470 | 120 | 90 | 22.5 | 25.4 | 16 | 70 | 102 | 64 | 64 | 115 | 5.6 | PUMA 230, PUMA 240(M/MS), PUMA 280 LM, PUMA 1500/2000/2500(M/MS/Y/SY), PUMA 2100 |

Driven & Static Tool Holder

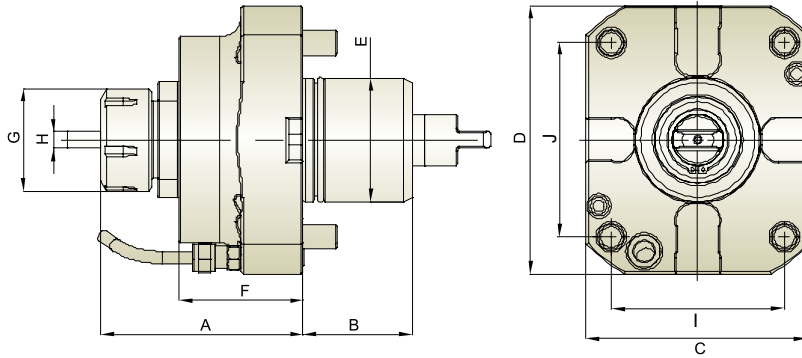


Axial Tool Holder 軸向動力刀座

External Coolant
外部出水

 R.P.M. Max.
轉速最高 6,000 RPM

- ER Collet is according to DIN 6499.
- 輸出軸筒夾為DIN 6499




Unit : mm

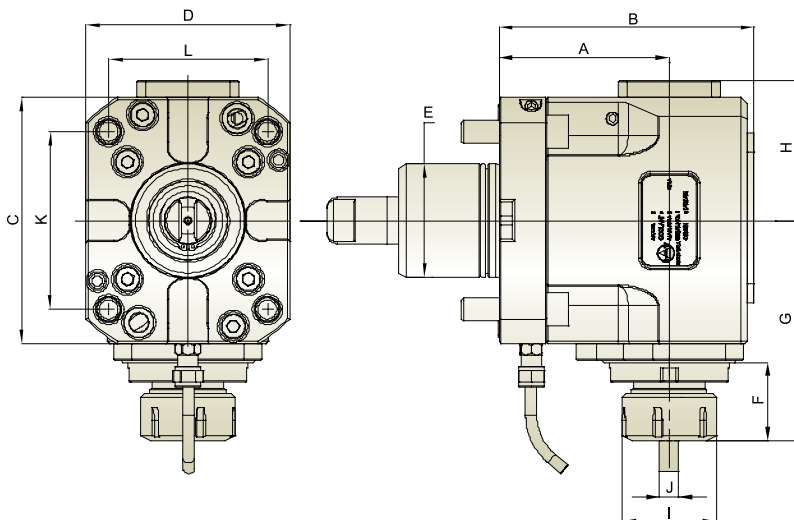
| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) | Suitable Machine |
|-------------|----|----|-----|-----|----|----|----|-------------|----|----|----------|------------------------|
| THM-A05-60G | 98 | 53 | 108 | 130 | 60 | 60 | 50 | ER32 (3~20) | 84 | 94 | 6.2 | NL 1500/2000/2500/3000 |

Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

 Gear Ratio
齒輪比 1:1

 R.P.M. Max.
轉速最高 4,000 RPM



Unit : mm

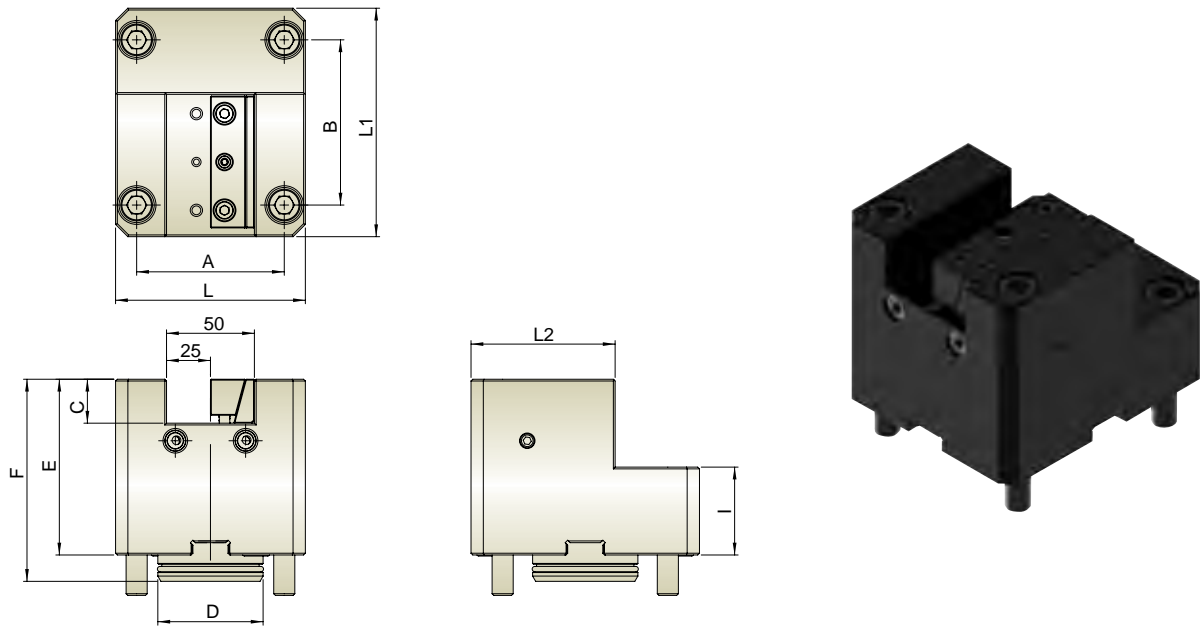
| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | N.W.(KG) | Suitable Machine |
|----------------|----|-----|-----|-----|----|------|-------|----|----|-------------|----|----|----------|------------------------|
| THM-B05.90-60G | 90 | 135 | 130 | 108 | 60 | 41.5 | 116.5 | 74 | 50 | ER32 (3~20) | 94 | 84 | 11 | NL 1500/2000/2500/3000 |

※ Further option : 6000 RPM 另有 6000RPM 可供選擇

MORI SEIKI



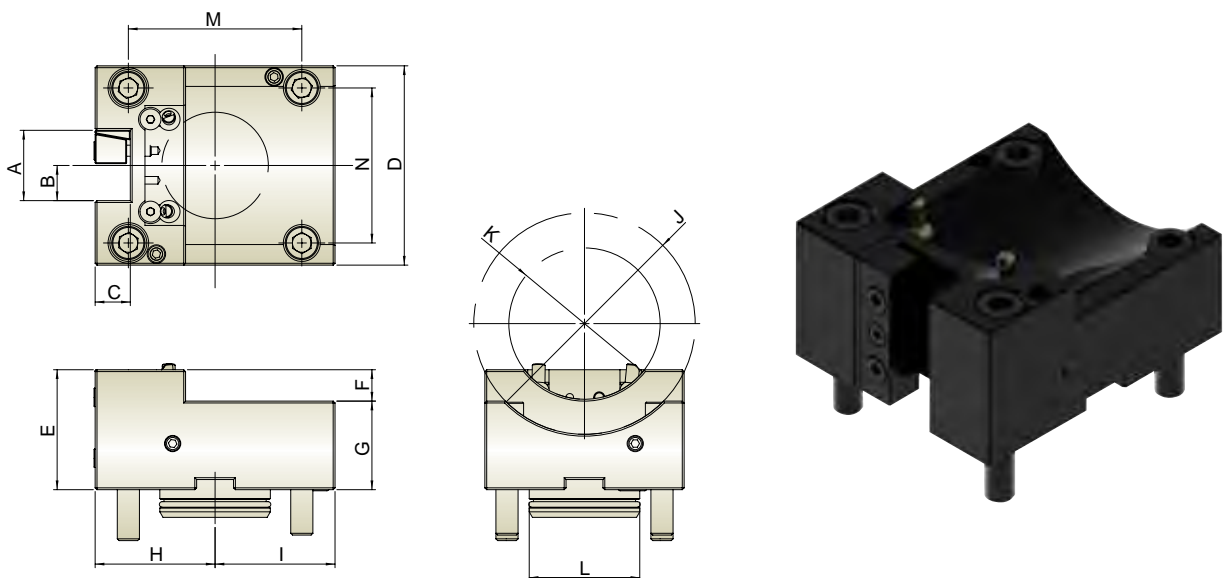
Face and ID Tool Holder B1 端面内孔刀座 B1



| Model No. | A | B | C | D | E | F | H | H/2 | I | L | L1 | L2 | N.W.(KG) |
|-----------------|----|----|----|------|-----|-----|----|-----|----|-----|-----|----|----------|
| THL-MNL-B1-6025 | 84 | 94 | 25 | 59.9 | 100 | 115 | 50 | 25 | 50 | 108 | 130 | 82 | 7 |

Unit : mm

Single Face and OD Tool Holder C1 單刃端面外徑刀座 C1

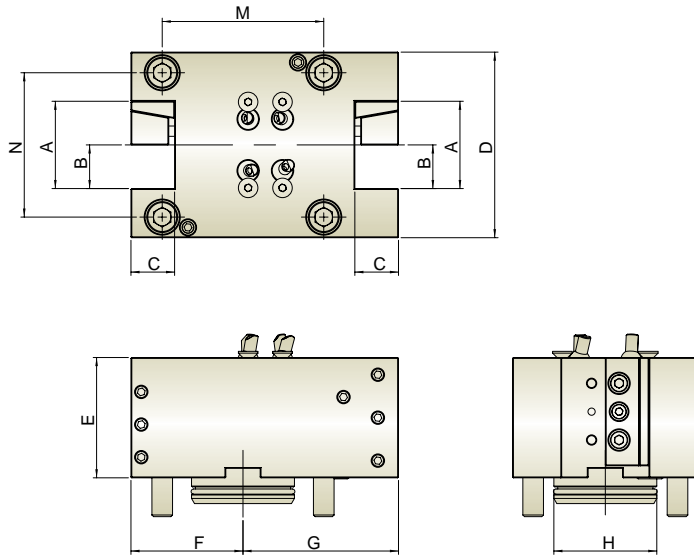


| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|--------------------|------|-------|-------|-----|----|----|----|------|----|-----|----|------|----|----|----------|
| THL-MNL-C1-6019.05 | 38.1 | 19.05 | 19.05 | 108 | 65 | 17 | 48 | 65 | 65 | 120 | 82 | 59.9 | 94 | 84 | 4.5 |
| THL-MNL-C1-6020 | 40 | 20 | 20 | 108 | 65 | 17 | 48 | 65 | 65 | 120 | 82 | 59.9 | 94 | 84 | 4.4 |
| THL-MNL-C1-6025 | 50 | 25 | 25 | 108 | 70 | 7 | 63 | 65.2 | 65 | 120 | 80 | 59.9 | 94 | 84 | 4.5 |
| THL-MNL-C1-6025.4 | 50.8 | 25.4 | 25.4 | 108 | 70 | 7 | 63 | 65.2 | 65 | 120 | 80 | 59.9 | 94 | 84 | 4.4 |

Unit : mm



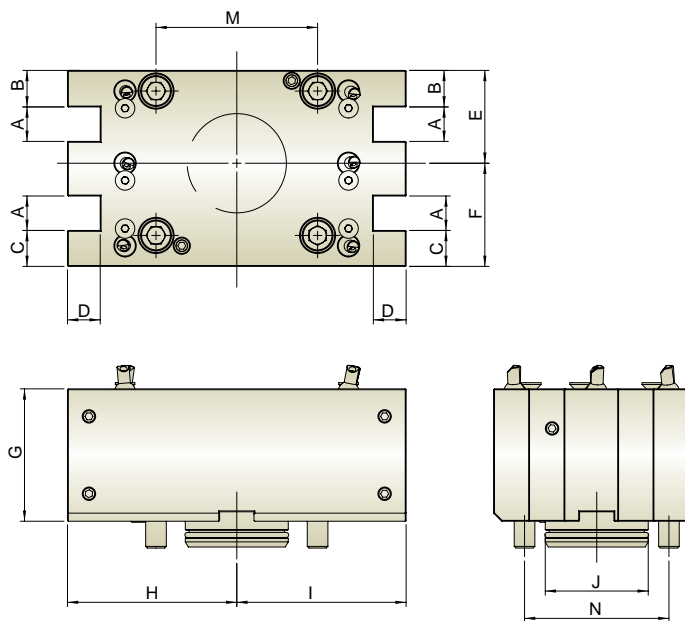
Double Face and OD Tool Holder CD1 雙刃端面外徑刀座 CD1



| Model No. | A | B | C | D | E | F | G | H | M | N | N.W.(KG) |
|---------------------|------|-------|-------|-----|----|------|------|------|----|----|----------|
| THL-MNL-CD1-6019.05 | 38.1 | 19.05 | 19.05 | 108 | 70 | 65 | 85.5 | 59.9 | 94 | 84 | 7.8 |
| THL-MNL-CD1-6020 | 40 | 20 | 20 | 108 | 70 | 65 | 85.5 | 59.9 | 94 | 84 | 7.7 |
| THL-MNL-CD1-6025 | 50 | 25 | 25 | 108 | 70 | 65.2 | 90.5 | 59.9 | 94 | 84 | 7.8 |
| THL-MNL-CD1-6025.4 | 50.8 | 25.4 | 25.4 | 108 | 70 | 65.2 | 90.5 | 59.9 | 94 | 84 | 7.7 |

Unit : mm

Quadruple Face and OD Tool Holder CD2 四刃端面外徑刀座 CD2

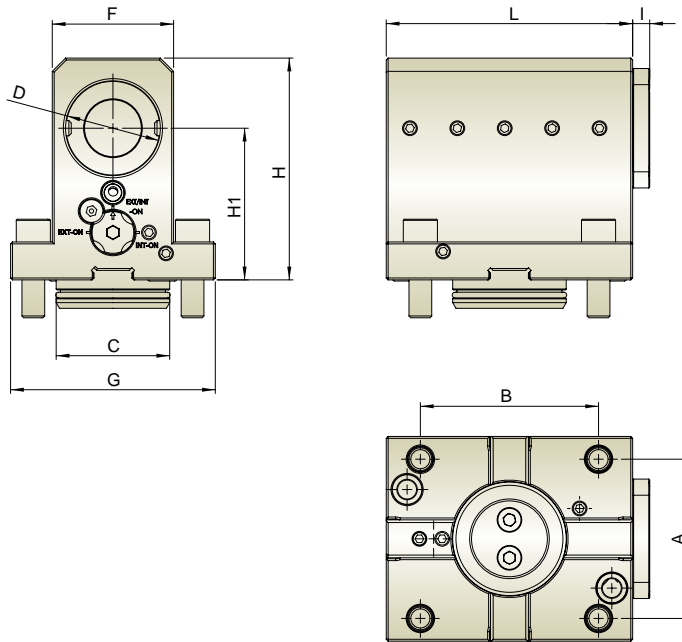


| Model No. | A | B | C | D | E | F | G | H | I | J | M | N | N.W.(KG) |
|---------------------|-------|-------|-------|-------|----|----|----|------|------|------|----|----|----------|
| THL-MNL-CD2-6019.05 | 20.05 | 21.25 | 20.9 | 19.05 | 54 | 60 | 77 | 98.5 | 98.5 | 59.9 | 94 | 84 | 11.7 |
| THL-MNL-CD2-6020 | 21 | 21 | 20 | 20 | 54 | 60 | 77 | 98.5 | 98.5 | 59.9 | 94 | 84 | 11.7 |
| THL-MNL-CD2-6025 | 26 | 16 | 15 | 25 | 54 | 60 | 77 | 98.5 | 98.5 | 59.9 | 94 | 84 | 11.1 |
| THL-MNL-CD2-6025.4 | 26.4 | 14.9 | 14.55 | 25.4 | 54 | 60 | 77 | 98.5 | 98.5 | 59.9 | 94 | 84 | 11.1 |

Unit : mm



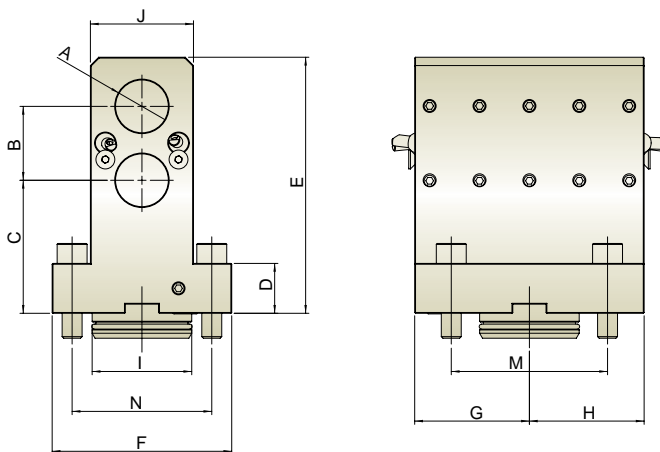
Boring Bar Tool Holder T1 (Adjustable Coolant) 徑向單孔側固式刀座 T1 (可調式出水)



| Model No. | A | B | C | D | F | G | H | H1 | I | L | L1 | N.W.(KG) |
|----------------------|----|----|------|----|----|-----|-----|----|---|-----|-----|----------|
| THL-MNL-T1-605080-AI | 84 | 94 | 59.9 | 50 | 64 | 108 | 117 | 80 | 9 | 130 | 132 | 5.6 |

Unit : mm

2-Pos. Boring Bar Tool Holder T2 徑向雙孔內孔刀座 T2

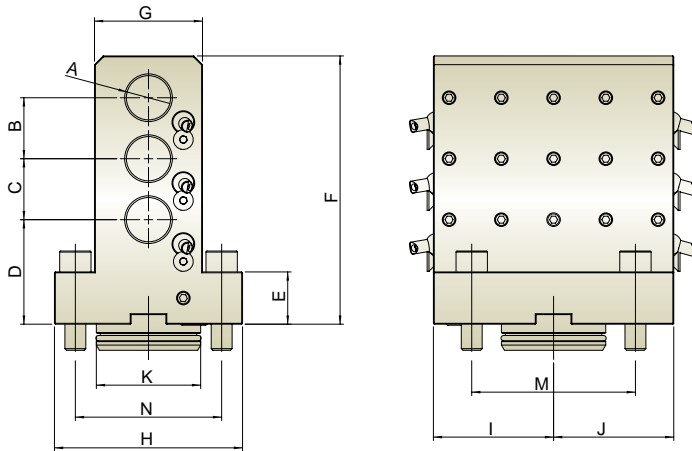


| Model No. | A | B | C | D | E | F | G | H | I | J | M | N | N.W.(KG) |
|----------------------|-------|-------|----|----|-----|-----|----|----|------|----|----|----|----------|
| THL-MNL-T2-6031.7580 | 31.75 | 44.45 | 80 | 30 | 154 | 108 | 69 | 69 | 59.9 | 62 | 94 | 84 | 8.9 |
| THL-MNL-T2-603280 | 32 | 45 | 80 | 30 | 154 | 108 | 69 | 69 | 59.9 | 62 | 94 | 84 | 8.8 |

Unit : mm



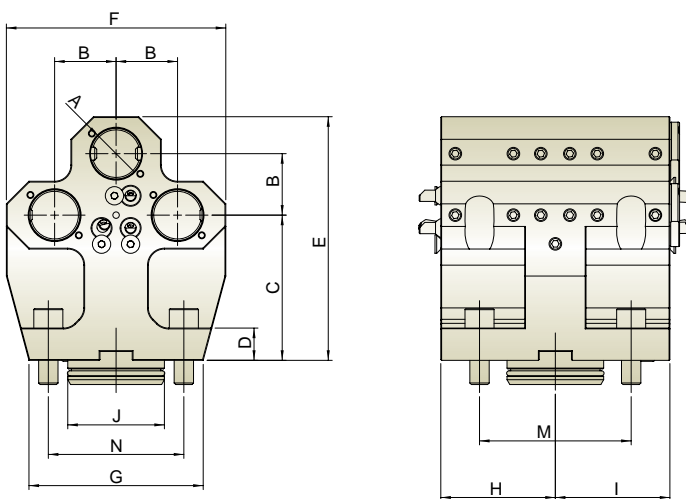
3-Pos. Boring Bar Tool Holder T3 三孔内孔刀座 T3



| Model No. | A | B | C | D | E | F | G | H | I | J | K | M | N | N.W.(KG) |
|---------------------|------|----|----|----|----|-----|----|-----|----|----|------|----|----|----------|
| THL-MNL-T3-602560 | 25 | 35 | 35 | 60 | 30 | 154 | 62 | 108 | 69 | 69 | 59.9 | 94 | 84 | 9 |
| THL-MNL-T3-6025.460 | 25.4 | 35 | 35 | 60 | 30 | 154 | 62 | 108 | 69 | 69 | 59.9 | 94 | 84 | 8.9 |

Unit : mm

3-Pos. Boring Bar Tool Holder T4 (Internal Coolant) 三孔内孔刀座 T4 (中心出水)

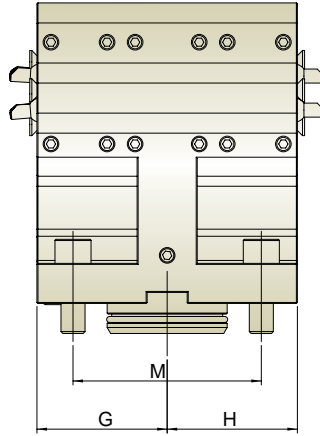
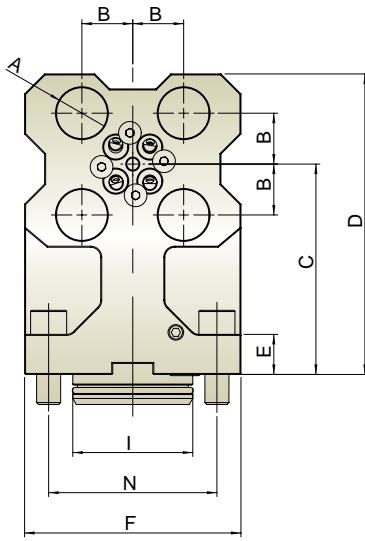


| Model No. | A | B | C | D | E | F | G | H | I | J | M | N | N.W.(KG) |
|------------------------|-------|------|----|----|-----|-----|-----|----|----|------|----|----|----------|
| THL-MNL-T4-6031.7590-I | 31.75 | 38.1 | 90 | 20 | 151 | 136 | 108 | 71 | 71 | 59.9 | 94 | 84 | 10.5 |
| THL-MNL-T4-603290-I | 32 | 40 | 90 | 20 | 151 | 136 | 108 | 71 | 71 | 59.9 | 94 | 84 | 10.5 |

Unit : mm



4-Pos. Boring Bar Tool Holder T5 四孔内孔刀座 T5



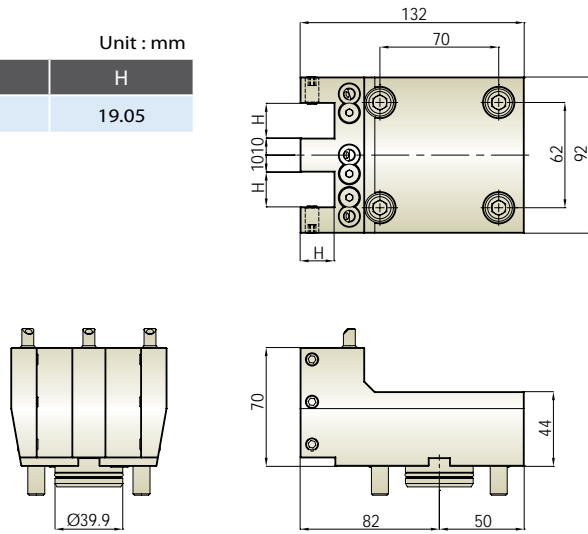
| Model No. | A | B | C | D | E | F | G | H | I | M | N | N.W.(KG) |
|-----------------------|------|------|-----|-----|----|-----|----|----|------|----|----|----------|
| THL-MNL-T5-602590 | 25 | 25 | 105 | 150 | 20 | 108 | 65 | 65 | 59.9 | 94 | 84 | 9.8 |
| THL-MNL-T5-6025.479.6 | 25.4 | 25.4 | 105 | 150 | 20 | 108 | 65 | 65 | 59.9 | 94 | 84 | 9.8 |

Unit : mm



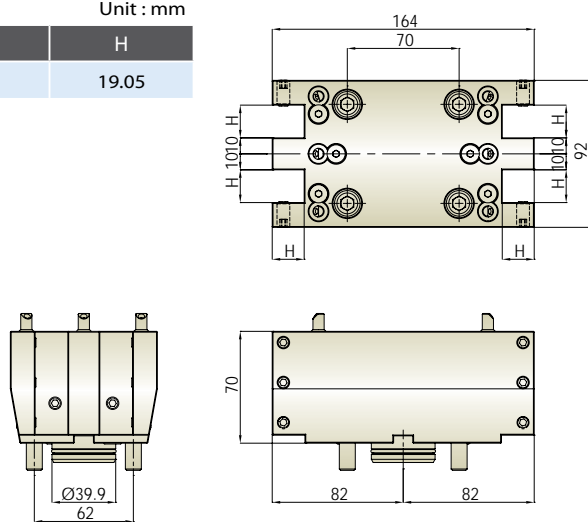
• Double Face and OD Tool Holder C2 • 雙刃端面外徑刀座 C2

| Unit : mm | |
|--------------------|-------|
| Model No. | H |
| THL-MNZ-C2-4019.05 | 19.05 |



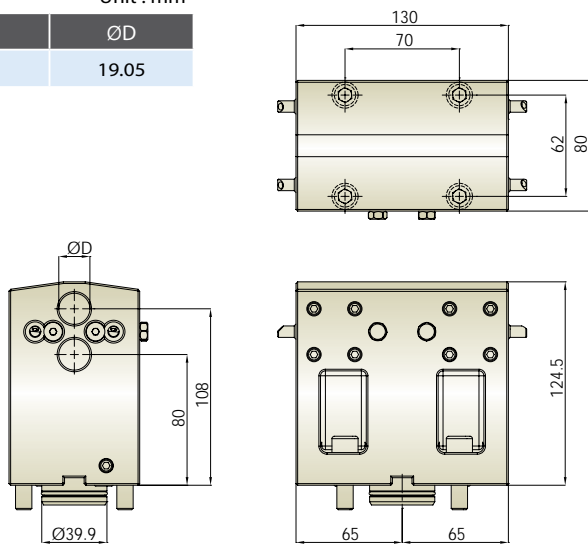
• Quadruple Face and OD Tool Holder CD2 • 四刃端面外徑刀座 CD2

| Unit : mm | |
|---------------------|-------|
| Model No. | H |
| THL-MNZ-CD2-4019.05 | 19.05 |



• 2-Pos. Boring Bar Tool Holder T2 • 徑向雙孔內孔刀座 T2

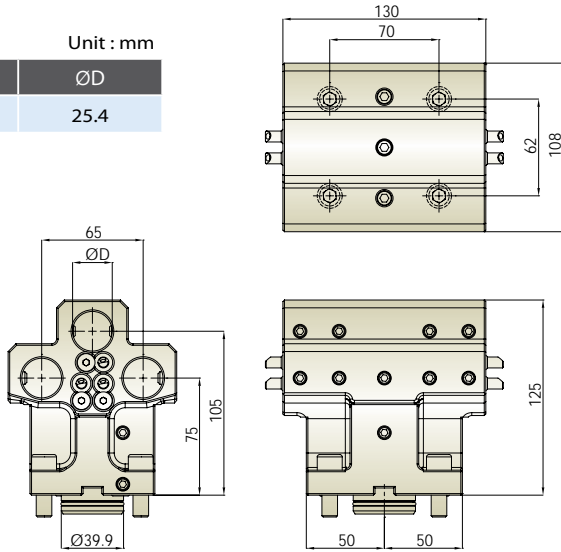
| Unit : mm | |
|----------------------|-------|
| Model No. | ØD |
| THL-MNZ-T2-4019.0580 | 19.05 |





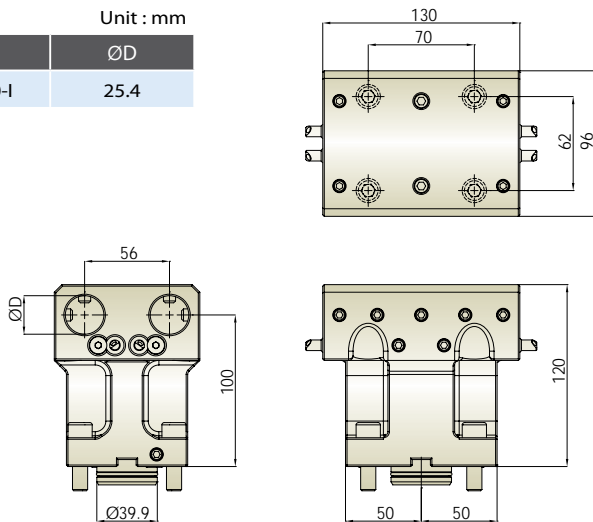
• 3-Pos. Boring Bar Tool Holder T4 (Internal Coolant) • 三孔内孔刀座 T4 (中心出水)

| Unit : mm | |
|-----------------------|------|
| Model No. | ØD |
| THL-MNZ-T4-4025.475-1 | 25.4 |



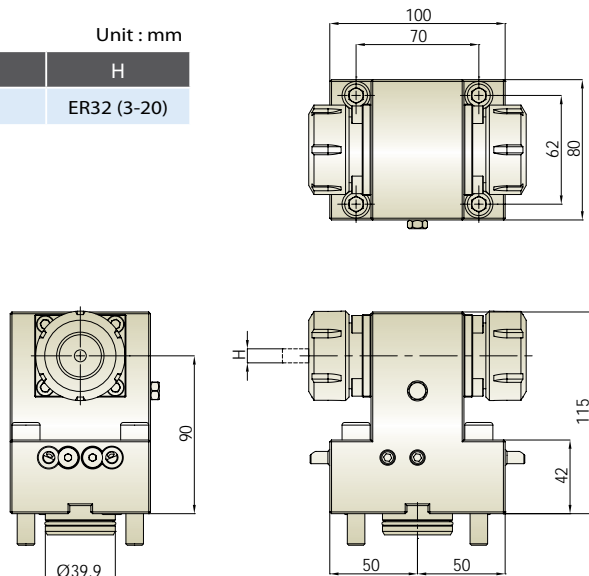
• 2-Pos. Boring Bar Tool Holder T6 (Internal Coolant) • 雙孔内孔刀座 T6 (中心出水)

| Unit : mm | |
|------------------------|------|
| Model No. | ØD |
| THL-MNZ-T6-4025.4100-1 | 25.4 |



• Double ER Collet Tool Holder T7 • ER 徑向雙頭刀座 T7

| Unit : mm | |
|-------------------|-------------|
| Model No. | H |
| THL-MNZ-T7-403290 | ER32 (3-20) |



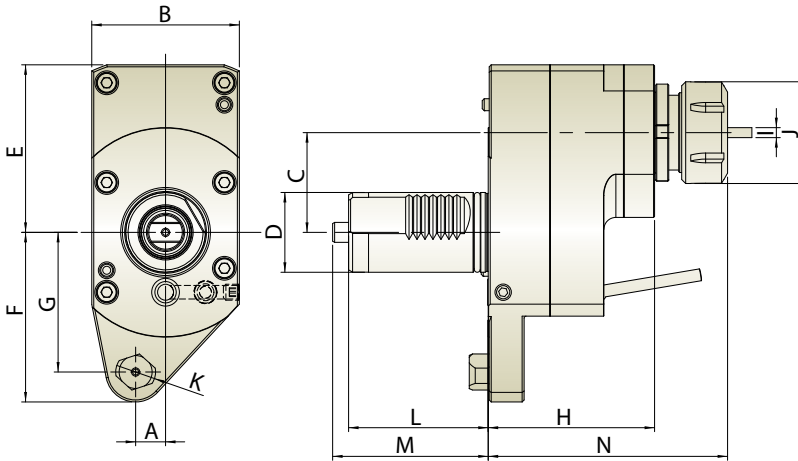


Axial Offset Tool Holder 軸向偏心動力刀座

External Coolant
外部出水

R.P.M. Max. 6,000 RPM
轉速最高

- ER Collet is according to DIN 6499.
- 輸出軸筒夾為DIN 6499



Unit : mm

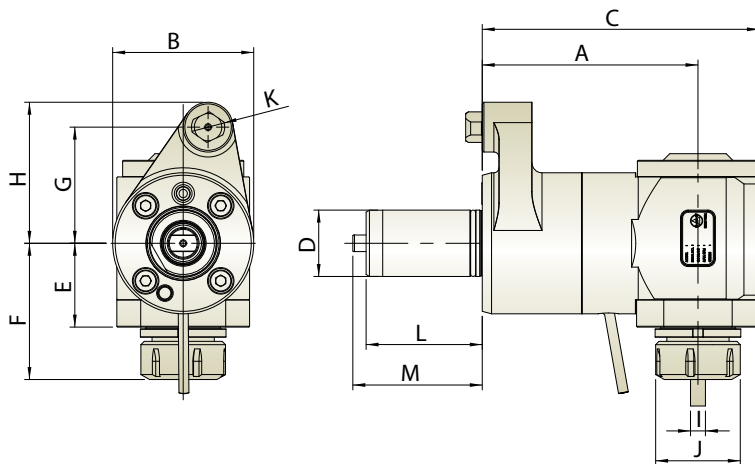
| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) | Suitable Machine |
|----------------|----|----|----|----|----|----|----|------|----------------|----|----|----|----|-------|----------|---|
| THM-C05.50-40M | 15 | 74 | 50 | 40 | 84 | 85 | 70 | 83.4 | ER32 (3~20) | 50 | 20 | 70 | 78 | 116.2 | 5.77 | QTN NEXUS 200 - 250 Series, SQT 15, SQT 18, SQT 200, SQT250 |

Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

Gear Ratio 1:1
齒輪比

R.P.M. Max. 6,000 RPM
轉速最高

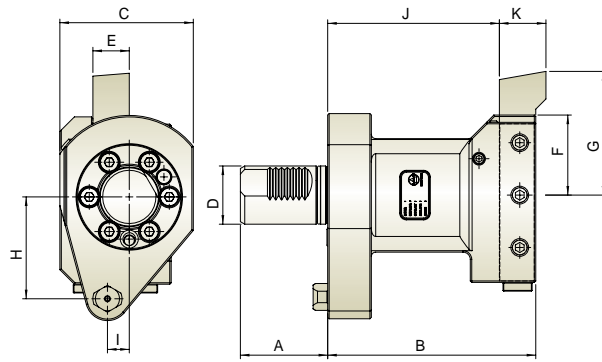


Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N.W.(KG) | Suitable Machine |
|-----------------|-----|----|-----|----|------|------|----|----|----------------|----|----|----|----|----------|---|
| THM-B05.130-40M | 130 | 85 | 167 | 40 | 50.5 | 82.1 | 70 | 85 | ER32 (3~20) | 51 | 20 | 70 | 78 | 8.65 | QTN NEXUS 200 - 250 Series, SQT 15, SQT 18, SQT 200, SQT250 |



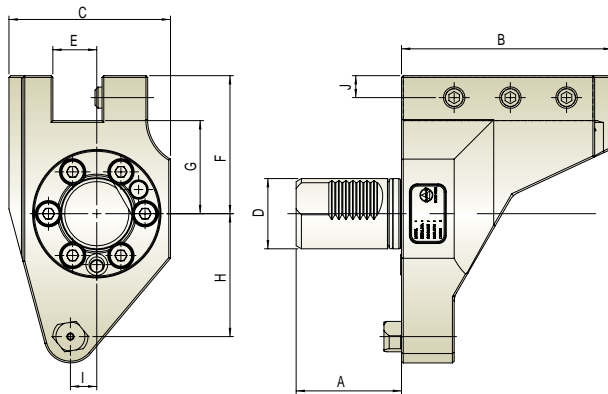
• Face Tool Holder B1 • 端面刀座 B1



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | N.W.(KG) |
|-------------------|----|-----|------|----|------|----|----|----|----|-----|----|----------|
| THL-MQT-B1-4025 | 60 | 143 | 91.7 | 40 | 25 | 55 | 85 | 70 | 15 | 118 | 32 | 7.7 |
| THL-MQT-B1-4025.4 | 60 | 143 | 91.7 | 40 | 25.4 | 55 | 85 | 70 | 15 | 118 | 32 | 7.7 |

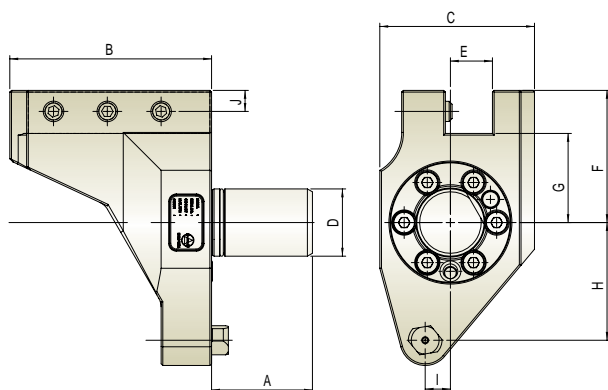
• Turning Tool Holder (RH) C1 • 軸向外徑右手型刀座 C1



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) |
|-------------------|----|-----|----|----|------|------|----|----|----|------|----------|
| THL-MQT-C1-4025 | 60 | 120 | 92 | 40 | 25 | 78.6 | 53 | 70 | 15 | 12.5 | 5.7 |
| THL-MQT-C1-4025.4 | 60 | 120 | 92 | 40 | 25.4 | 78.6 | 53 | 70 | 15 | 12.5 | 5.7 |

• Turning Tool Holder (LH) C3 • 軸向外徑左手型刀座 C3



Unit : mm

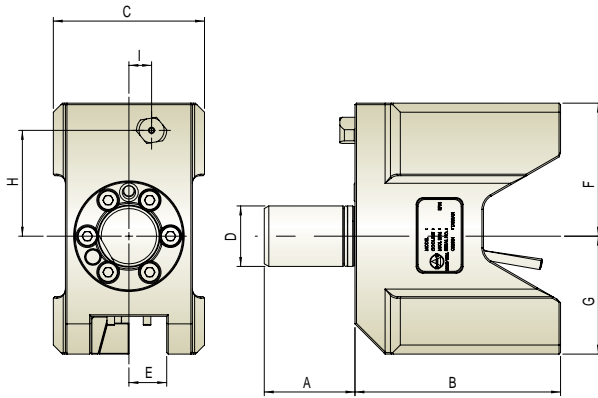
| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) |
|-------------------|----|-----|----|----|------|------|----|----|----|------|----------|
| THL-MQT-C3-4025 | 60 | 120 | 92 | 40 | 25 | 78.6 | 53 | 70 | 15 | 12.5 | 5.7 |
| THL-MQT-C3-4025.4 | 60 | 120 | 92 | 40 | 25.4 | 78.6 | 53 | 70 | 15 | 12.5 | 5.7 |

Driven & Static Tool Holder

QTN NEXUS 200 - 250 Series, SQT 15, SQT 18, SQT 200, SQT250



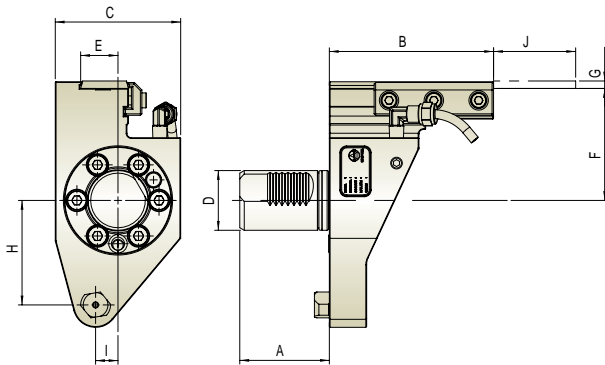
• Double Turning Tool Holder 2C3 • 軸向外徑雙向刀座 2C3



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | N.W.(KG) |
|--------------------|----|-----|-----|----|------|----|----|----|----|----------|
| THL-MQT-2C3-4025 | 60 | 136 | 100 | 40 | 25 | 88 | 78 | 70 | 15 | 10.6 |
| THL-MQT-2C3-4025.4 | 60 | 136 | 100 | 40 | 25.4 | 88 | 78 | 70 | 15 | 10.6 |

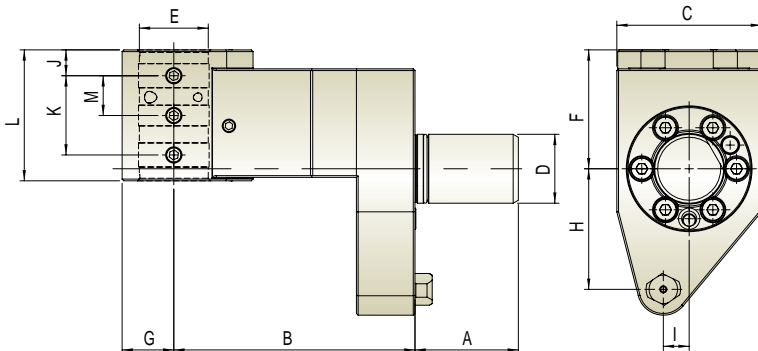
• Cut-off Tool Holder H1 • 切斷刀 H1



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | N.W.(KG) |
|-----------------|----|-----|----|----|----|----|---|----|----|----|----------|
| THL-MQT-H1-4025 | 60 | 110 | 84 | 40 | 25 | 75 | 5 | 70 | 15 | 55 | 4.2 |

• Boring Bar Tool Holder T1 • 徑向內孔刀座 T1



Unit : mm

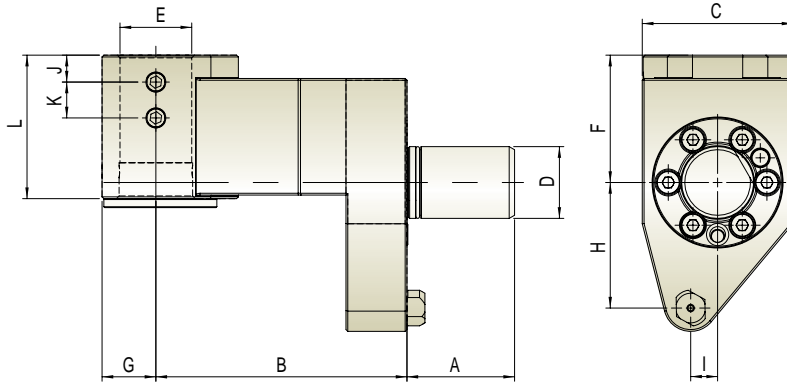
| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N.W.(KG) |
|----------------------|----|-----|----|----|------|----|----|----|----|----|----|----|------|----------|
| THL-MQT-T1-4040140 | 60 | 140 | 84 | 40 | 40 | 69 | 30 | 70 | 15 | 15 | 46 | 80 | 23.1 | 6.8 |
| THL-MQT-T1-4038.1140 | 60 | 140 | 84 | 40 | 38.1 | 69 | 30 | 70 | 15 | 15 | 46 | 80 | 23.1 | 6.8 |

Driven & Static Tool Holder

QTN NEXUS 200 - 250 Series, SQT 15, SQT 18, SQT 200, SQT250



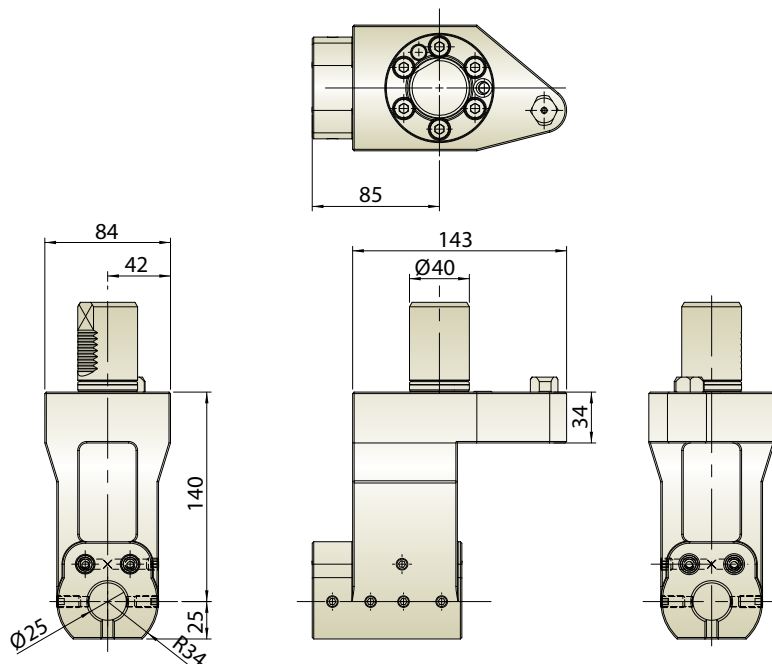
• Boring Bar Tool Holder T1 (Internal Coolant) • 徑向內孔刀座 T1 (中心出水)



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | N.W.(KG) |
|-------------------------|----|-----|----|----|-------|----|----|----|----|----|----|----|----------|
| THL-MQT-T1-4040140-I | 60 | 140 | 84 | 40 | 40 | 71 | 30 | 70 | 15 | 15 | 20 | 80 | 7.2 |
| THL-MQT-T1-4025.4140-I | 60 | 140 | 84 | 40 | 25.4 | 71 | 30 | 70 | 15 | 15 | 20 | 80 | 7.2 |
| THL-MQT-T1-4031.75140-I | 60 | 140 | 84 | 40 | 31.75 | 71 | 30 | 70 | 15 | 15 | 20 | 80 | 7.2 |
| THL-MQT-T1-4038.1140-I | 60 | 140 | 84 | 40 | 38.1 | 71 | 30 | 70 | 15 | 15 | 20 | 80 | 7.2 |

• Double Boring Bar Tool Holder 2T1 • 徑向雙向內孔刀座 2T1




Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | N.W.(KG) |
|-----------------------|----|-----|----|----|------|----|----|----|----|------|------|-----|----------|
| THL-MQT-2T1-4025140 | 60 | 140 | 84 | 40 | 25 | 85 | 25 | 70 | 15 | 13.5 | 25.5 | 100 | 7.2 |
| THL-MQT-2T1-4025.4140 | 60 | 140 | 84 | 40 | 25.4 | 85 | 25 | 70 | 15 | 13.5 | 25.5 | 100 | 7.2 |



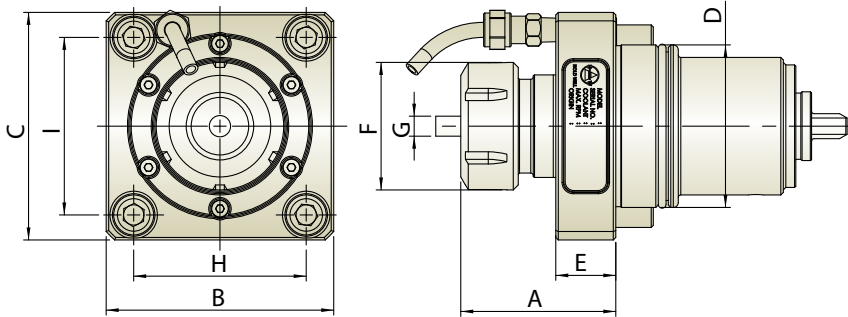
Axial Tool Holder 軸向動力刀座

External Coolant
外部出水

 R.P.M. Max. 6,000 RPM
轉速最高

● ER Collet is according to DIN 6499.

● 輸出軸筒夾為DIN 6499




Unit : mm

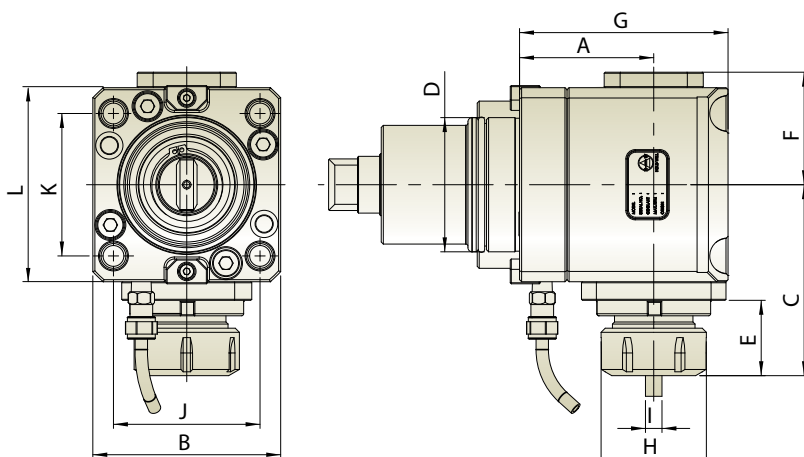
| Model No. | A | B | C | D | E | F | G | H | I | N.W.(KG) |
|-------------|----|----|----|----|----|----|-------------|----|----|----------|
| THM-A05-65N | 62 | 91 | 91 | 65 | 24 | 51 | ER32 (3~20) | 69 | 71 | 2.8 |

Radial Tool Holder 徑向動力刀座

External Coolant
外部出水

 Gear Ratio 1 : 1
齒輪比

 R.P.M. Max. 4,000 RPM
轉速最高

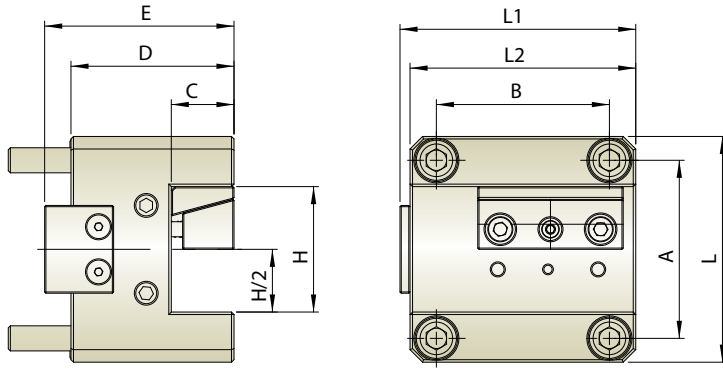


Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | N.W.(KG) |
|----------------|----|----|------|----|------|------|-----|----|-------------|----|----|----|----------|
| THM-B05.65-65N | 65 | 91 | 92.5 | 65 | 36.5 | 54.5 | 101 | 51 | ER32 (3~20) | 71 | 69 | 94 | 7.8 |



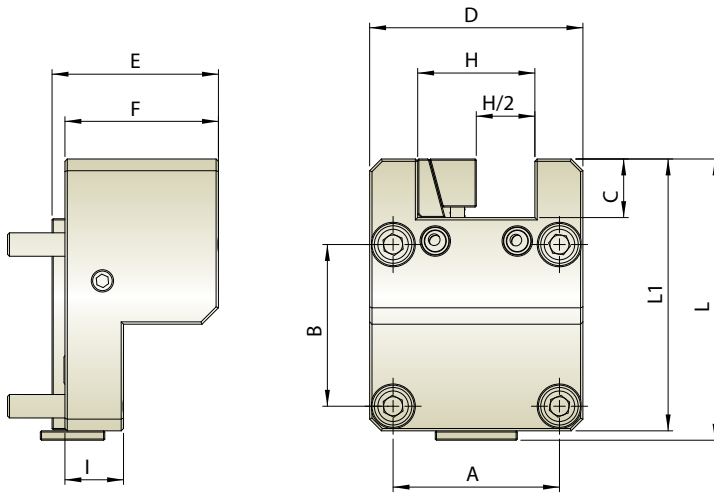
• Face and ID Tool Holder B1 • 端面内徑刀座 B1



Unit : mm

| Model No. | A | B | C | D | E | H | H/2 | L | L1 | L2 | N.W.(KG) |
|-----------------|----|----|----|----|------|----|-----|----|----|----|----------|
| THL-NWT-B1-6525 | 71 | 69 | 25 | 65 | 75.5 | 50 | 25 | 90 | 94 | 90 | 4.4 |

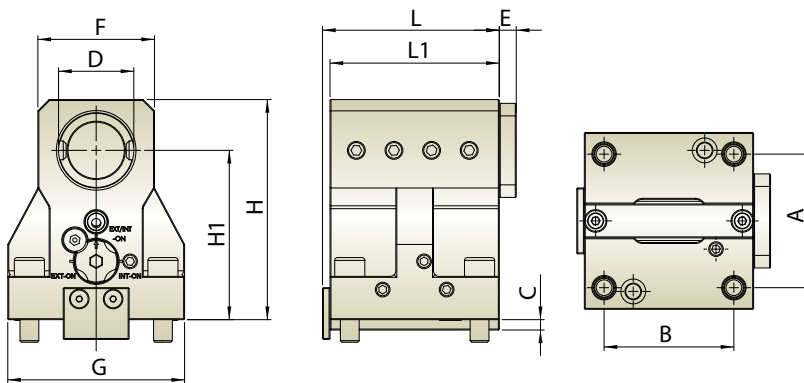
• Face and OD Tool Holder C1 • 端面外徑刀座 C1



Unit : mm

| Model No. | A | B | C | D | E | F | H | H/2 | I | L | L1 | N.W.(KG) |
|-----------------|----|----|----|----|----|------|----|-----|----|-----|-----|----------|
| THL-NWT-C1-6525 | 71 | 69 | 25 | 91 | 71 | 65.5 | 50 | 25 | 25 | 120 | 116 | 3.9 |

• Boring Bar Tool Holder T1 (Adjustable Coolant) • 徑向内孔刀座 T1 (可調式出水)



Unit : mm

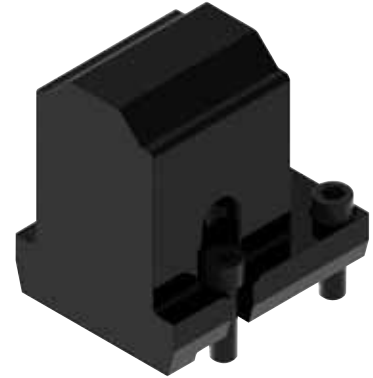
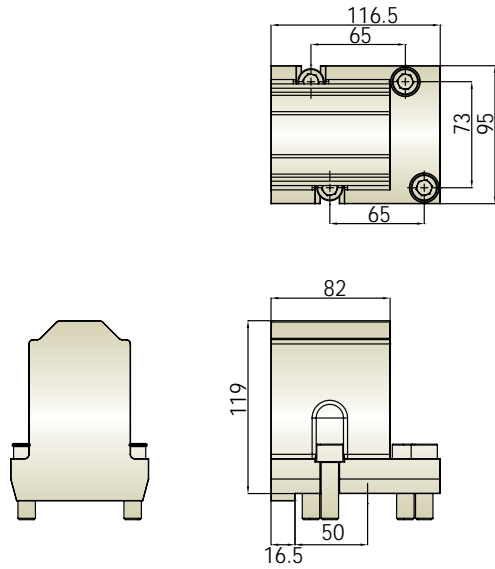
| Model No. | A | B | C | D | E | F | G | H | H/1 | L | L1 | N.W.(KG) |
|----------------------|----|----|-----|----|---|----|----|-----|-----|----|----|----------|
| THL-NWT-T1-654090-AI | 71 | 69 | 5.5 | 40 | 9 | 62 | 94 | 117 | 90 | 94 | 90 | 5.6 |



• Boring Blank Holder A1 • 徑向内孔素材刀座 A1

Unit : mm

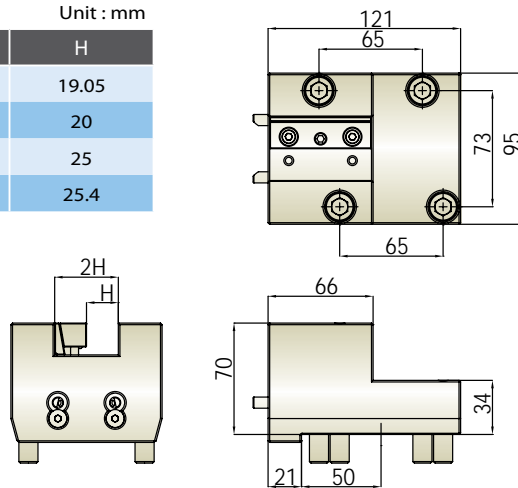
| Model No. |
|-----------------|
| THL-KB2-A1-6090 |



• Face and ID Tool Holder B1 • 端面内徑刀座 B1

Unit : mm

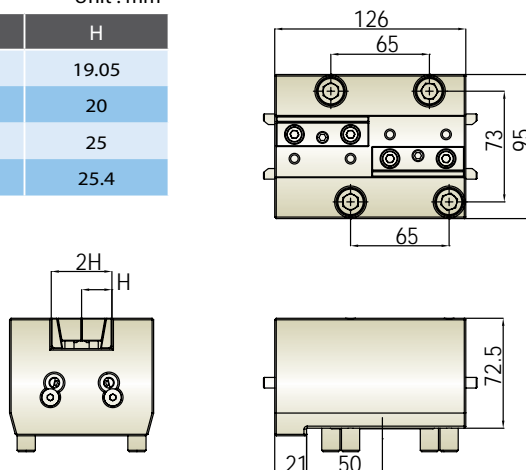
| Model No. | H |
|--------------------|-------|
| THL-KB2-B1-6019.05 | 19.05 |
| THL-KB2-B1-6020 | 20 |
| THL-KB2-B1-6025 | 25 |
| THL-KB2-B1-6025.4 | 25.4 |



• Face and ID Tool Holder B2 • 端面内徑刀座 B2

Unit : mm

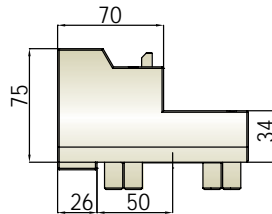
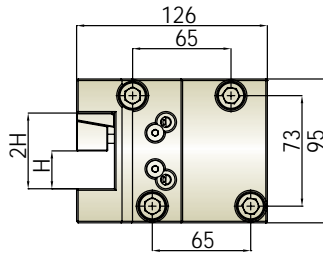
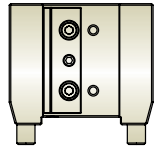
| Model No. | H |
|--------------------|-------|
| THL-KB2-B2-6019.05 | 19.05 |
| THL-KB2-B2-6020 | 20 |
| THL-KB2-B2-6025 | 25 |
| THL-KB2-B2-6025.4 | 25.4 |





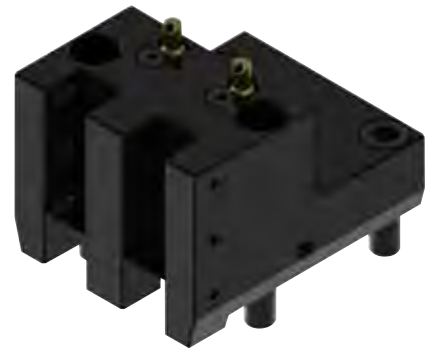
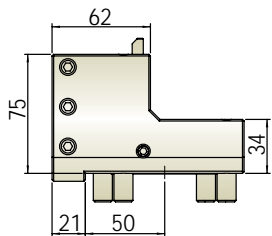
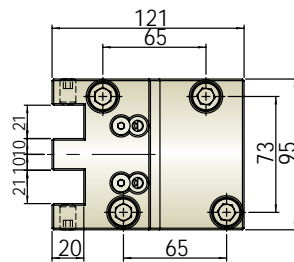
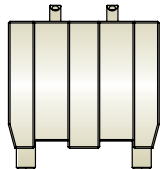
• Single Face and OD Tool Holder C1 • 單刀端面外徑刀座 C1

| Unit : mm | |
|--------------------|-------|
| Model No. | H |
| THL-KB2-C1-6019.05 | 19.05 |
| THL-KB2-C1-6020 | 20 |
| THL-KB2-C1-6025 | 25 |
| THL-KB2-C1-6025.4 | 25.4 |



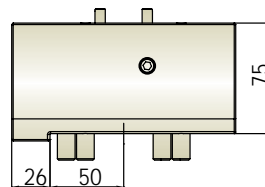
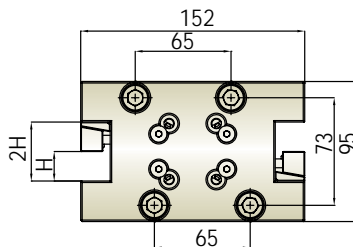
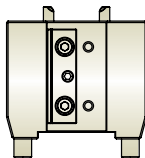
• Double Face and OD Tool Holder C2 • 雙刀端面外徑刀座 C2

| Unit : mm | |
|--------------------|-------|
| Model No. | H |
| THL-KB2-C2-6019.05 | 19.05 |
| THL-KB2-C2-6020 | 20 |



• Double Face and OD Tool Holder CD1 • 雙刀端面外徑刀座 CD1

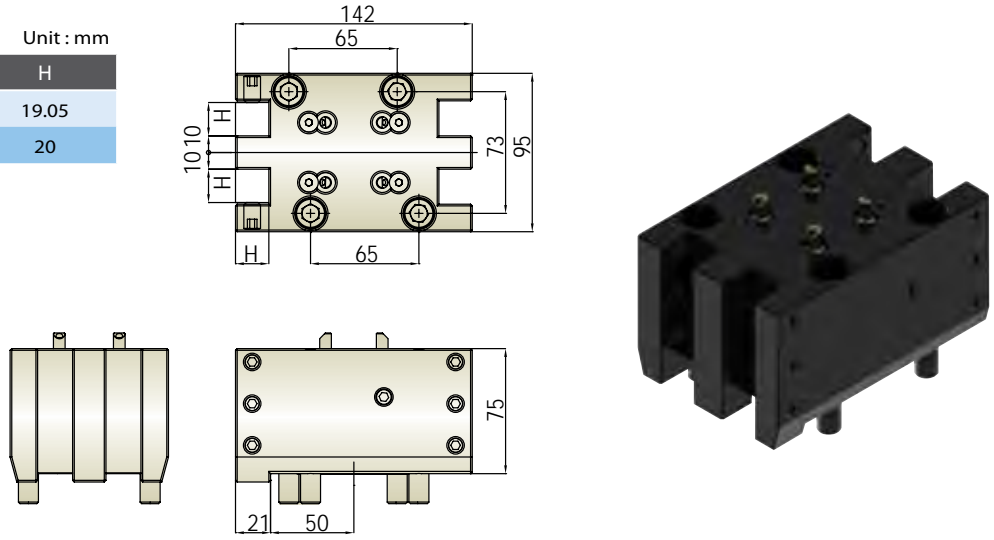
| Unit : mm | |
|---------------------|-------|
| Model No. | H |
| THL-KB2-CD1-6019.05 | 19.05 |
| THL-KB2-CD1-6020 | 20 |
| THL-KB2-CD1-6025 | 25 |
| THL-KB2-CD1-6025.4 | 25.4 |





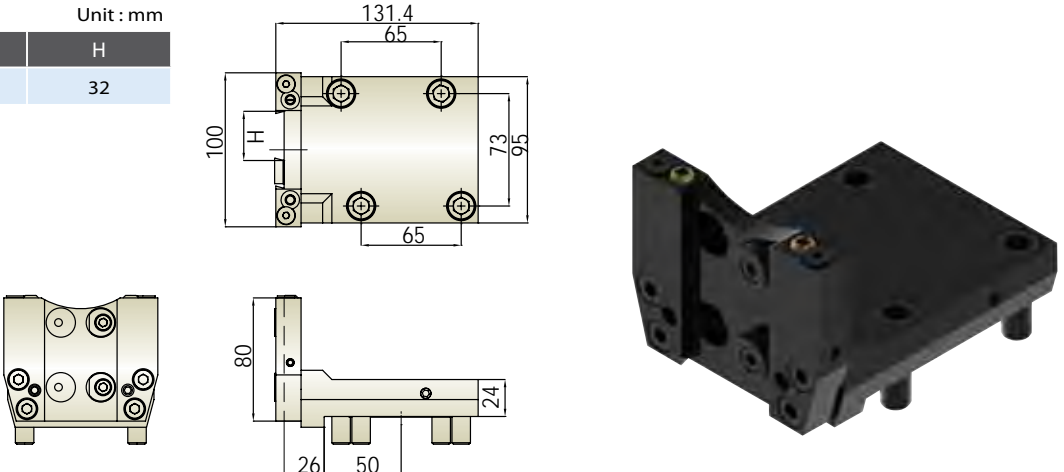
• Quadruple Face and OD Tool Holder CD2 • 四刃端面外徑刀座 CD2

| Unit : mm | |
|---------------------|-------|
| Model No. | H |
| THL-KB2-CD2-6019.05 | 19.05 |
| THL-KB2-CD2-6020 | 20 |



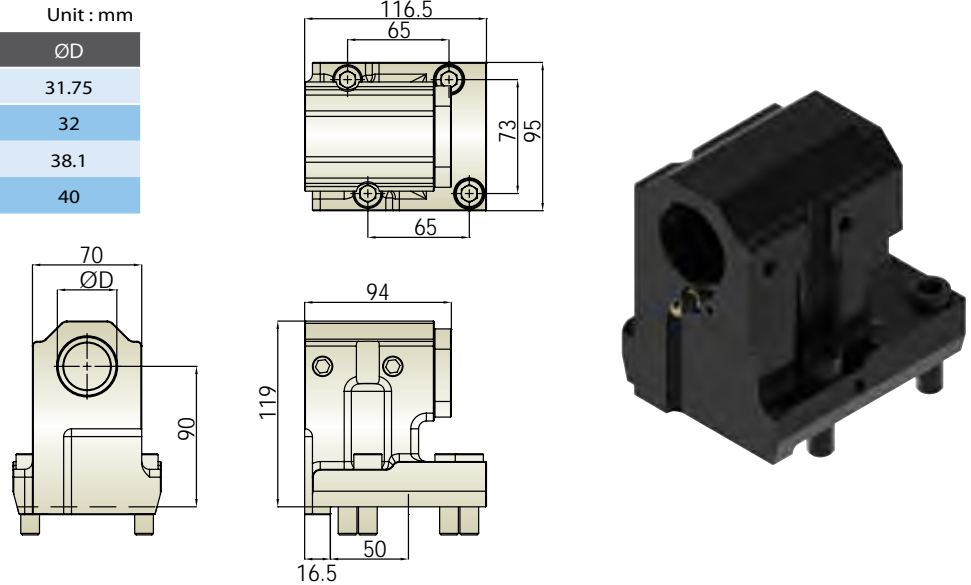
• Cut-Off Tool Holder H1 • 切斷刀 H1

| Unit : mm | |
|-----------------|----|
| Model No. | H |
| THL-KB2-H1-6032 | 32 |



• Boring Bar Tool Holder T1 (Internal coolant) • 徑向內孔刀座 T1 (中心出水)

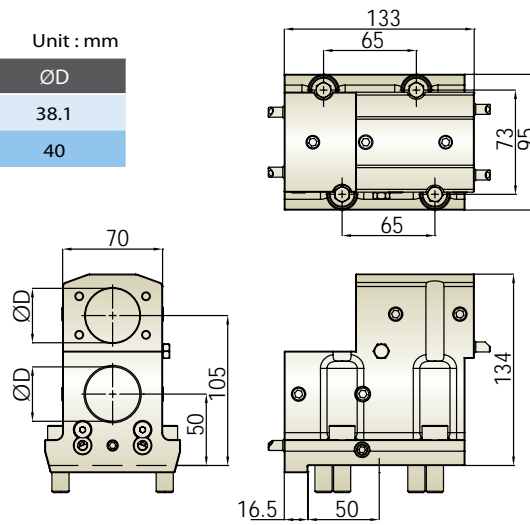
| Unit : mm | |
|------------------------|-------|
| Model No. | ØD |
| THL-KB2-T1-5031.7590-I | 31.75 |
| THL-KB2-T1-603290-I | 32 |
| THL-KB2-T1-6038.190-I | 38.1 |
| THL-KB2-T1-604090-I | 40 |





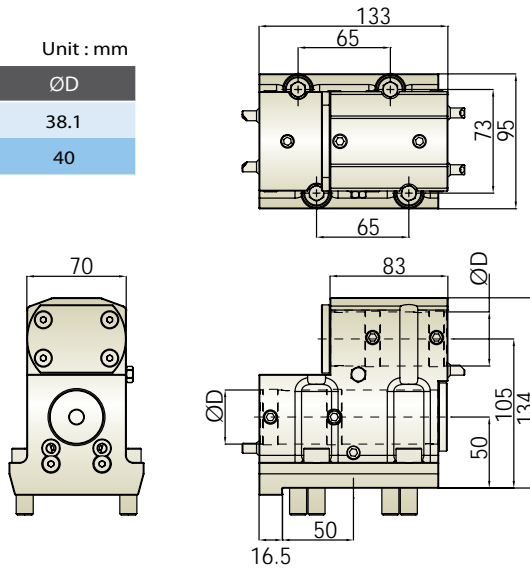
• 2-Pos. Boring Bar Tool Holder T2 • 徑向雙孔刀座 T2

| Unit : mm | |
|---------------------|------|
| Model No. | ØD |
| THL-KB2-T2-6038.150 | 38.1 |
| THL-KB2-T2-604050 | 40 |



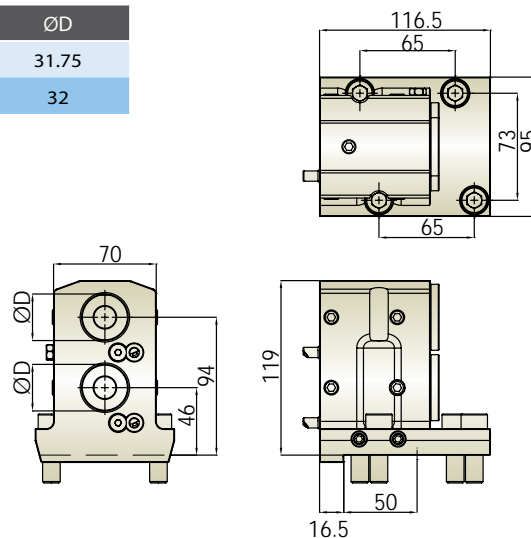
• 2-Pos. Boring Bar Tool Holder T2 (Internal Coolant) • 徑向雙孔刀座 T2 (中心出水)

| Unit : mm | |
|-----------------------|------|
| Model No. | ØD |
| THL-KB2-T2-6038.150-I | 38.1 |
| THL-KB2-T2-604050-I | 40 |



• 2-Pos. Boring Bar Tool Holder T3 (Internal Coolant) • 徑向雙孔刀座 T3 (中心出水)

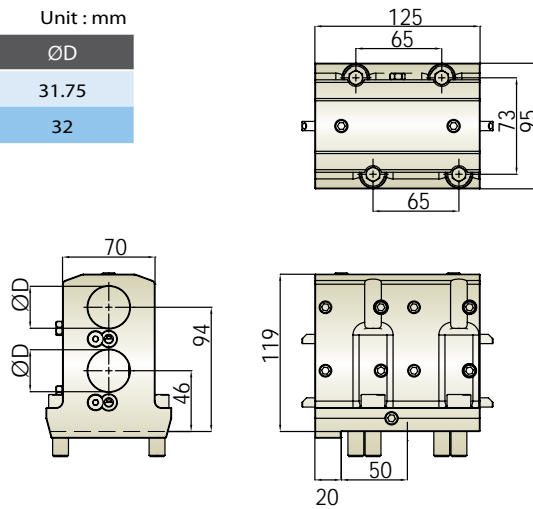
| Unit : mm | |
|------------------------|-------|
| Model No. | ØD |
| THL-KB2-T3-6031.7546-I | 31.75 |
| THL-KB2-T3-603246-I | 32 |





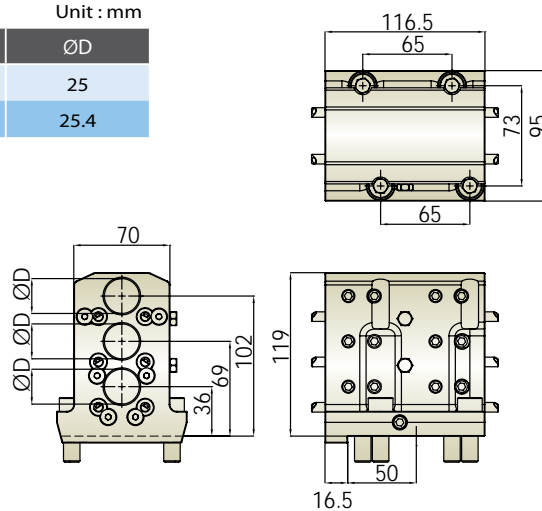
• 2-Pos. Boring Bar Tool Holder T4 (Internal Coolant) • 徑向雙孔刀座 T4 (中心出水)

| Unit : mm | |
|------------------------|-------|
| Model No. | ØD |
| THL-KB2-T4-6031.7546-I | 31.75 |
| THL-KB2-T4-603246-I | 32 |



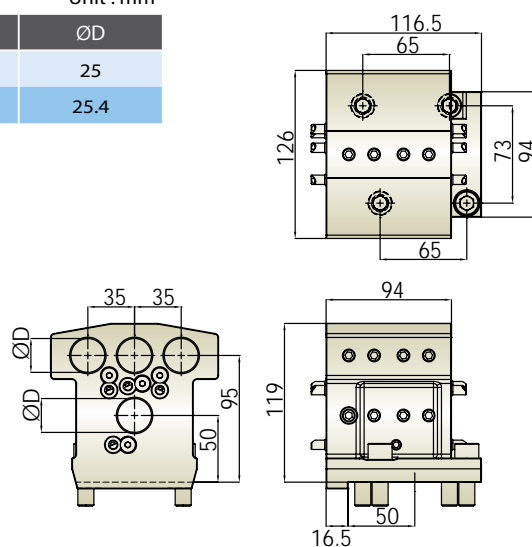
• 3-Pos. Boring Bar Tool Holder T5 • 徑向三孔刀座 T5

| Unit : mm | |
|---------------------|------|
| Model No. | ØD |
| THL-KB2-T5-602536 | 25 |
| THL-KB2-T5-6025.436 | 25.4 |



• 4-Pos. Boring Bar Tool Holder T6 • 徑向四孔刀座 T6

| Unit : mm | |
|---------------------|------|
| Model No. | ØD |
| THL-KB2-T6-602550 | 25 |
| THL-KB2-T6-6025.450 | 25.4 |

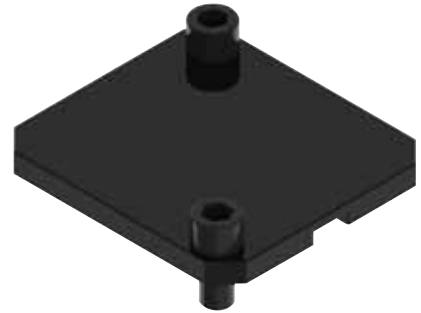
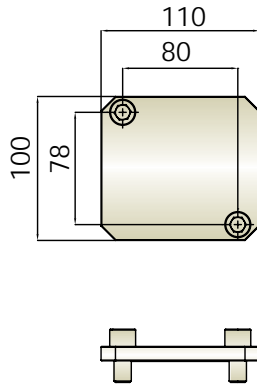




• PLUG • 防塵蓋

Model No.

2TH-00255

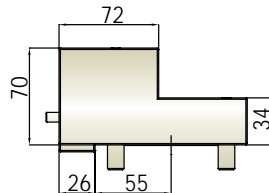
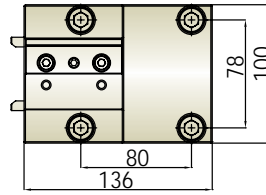
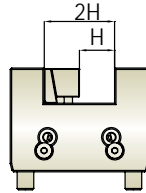




• Face and ID Tool Holder B1 • 端面内徑刀座 B1

Unit : mm

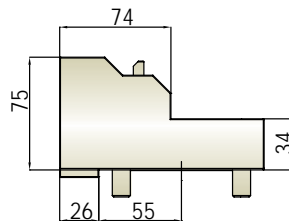
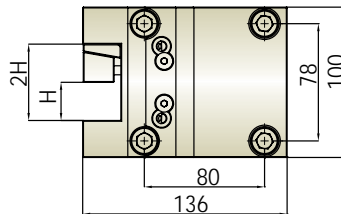
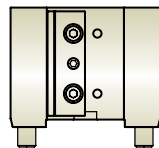
| Model No. | H |
|-------------------|------|
| THL-KB4-B1-6025 | 25 |
| THL-KB4-B1-6025.4 | 25.4 |



• Single Face and OD Tool Holder C1 • 單刃端面外徑刀座 C1

Unit : mm

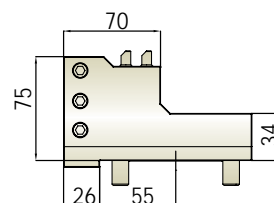
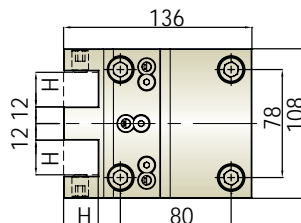
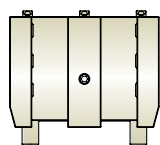
| Model No. | H |
|-------------------|------|
| THL-KB4-C1-6025 | 25 |
| THL-KB4-C1-6025.4 | 25.4 |



• Double Face and OD Tool Holder C2 • 雙刃端面外徑刀座 C2

Unit : mm

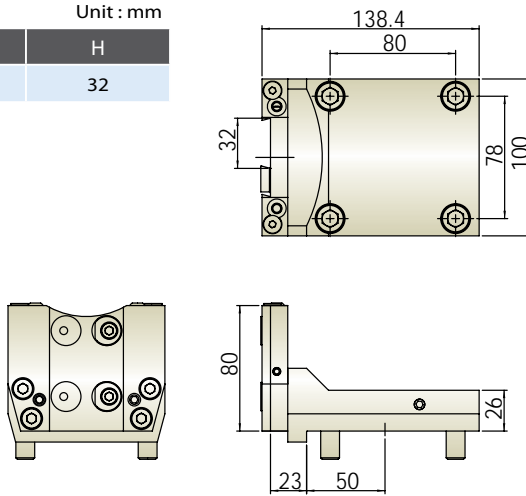
| Model No. | H |
|-------------------|------|
| THL-KB4-C2-6025 | 25 |
| THL-KB4-C2-6025.4 | 25.4 |





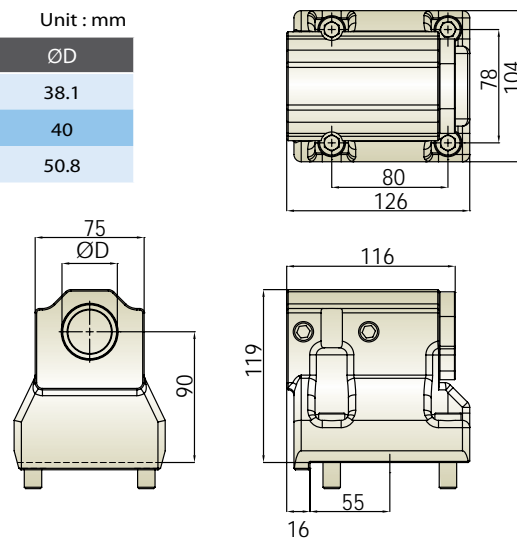
• Cut-Off Tool Holder H1 • 切斷刀 H1

| Unit : mm | |
|-----------------|----|
| Model No. | H |
| THL-KB4-H1-6032 | 32 |



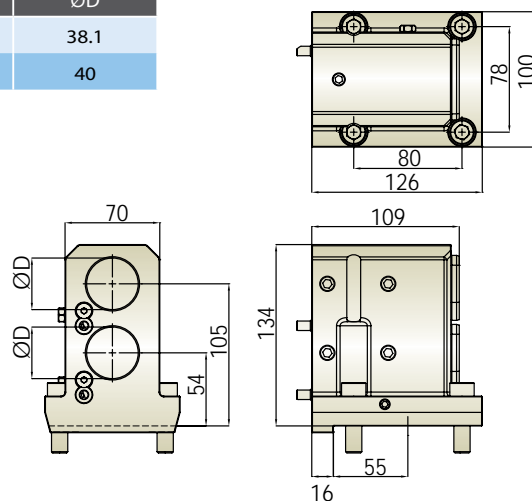
• Boring Bar Tool Holder T1 (Internal coolant) • 徑向內孔刀座 T1 (中心出水)

| Unit : mm | |
|-----------------------|------|
| Model No. | ØD |
| THL-KB4-T1-6038.190-I | 38.1 |
| THL-KB4-T1-604090-I | 40 |
| THL-KB4-T1-6050.890-I | 50.8 |



• 2-Pos. Boring Bar Tool Holder T3 (Internal Coolant) • 徑向雙孔刀座 T3 (中心出水)

| Unit : mm | |
|-----------------------|------|
| Model No. | ØD |
| THL-KB4-T3-6038.154-I | 38.1 |
| THL-KB4-T3-604054-I | 40 |

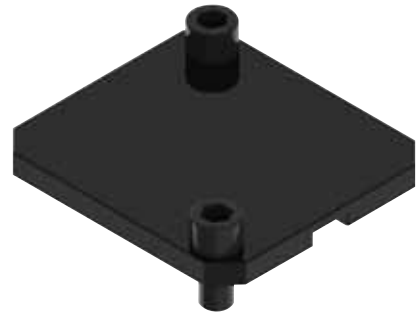
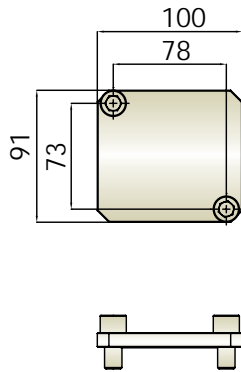




• PLUG • 防塵蓋

Model No.

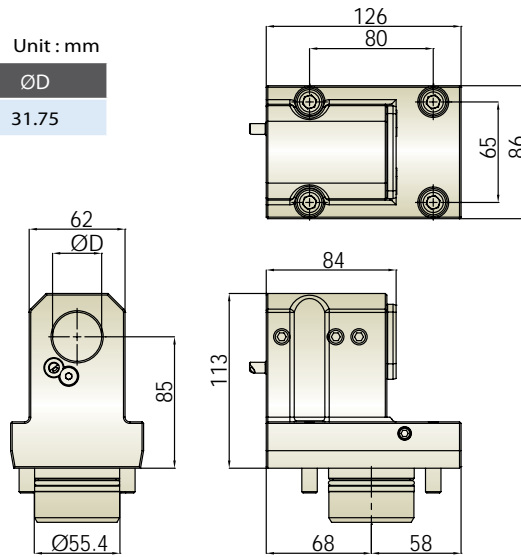
2TH-00237





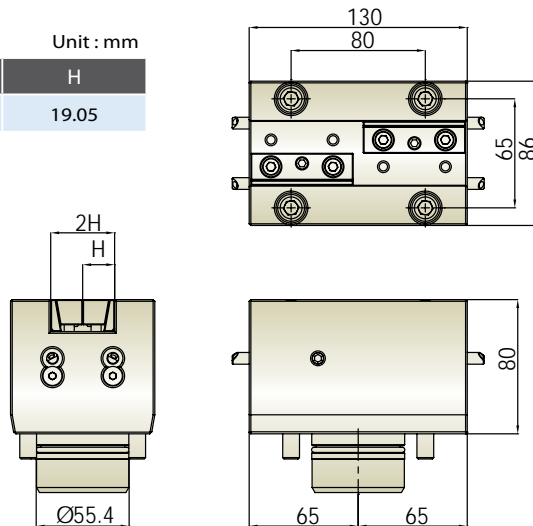
• Boring Bar Tool Holder T1 (Internal Coolant) • 徑向内孔刀座 T1 (中心出水)

| Unit : mm | |
|--------------------------|-------|
| Model No. | ∅D |
| THL-KT2-T1-55.431.7585-I | 31.75 |



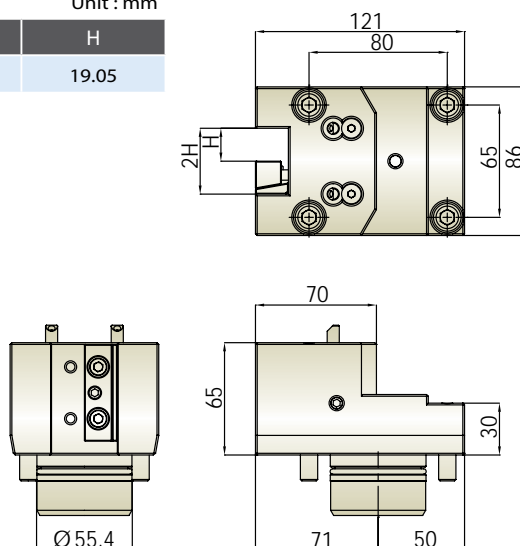
• Face and ID Tool Holder B2 • 端面內徑刀座 B2

| Unit : mm | |
|----------------------|-------|
| Model No. | H |
| THL-KT2-B2-55.419.05 | 19.05 |



• Single Face and OD Tool Holder C1 • 單刃端面外徑刀座 C1

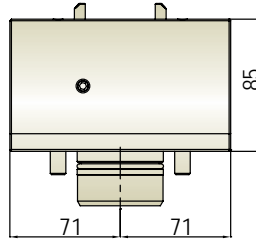
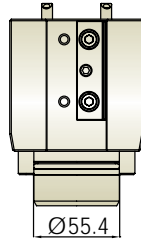
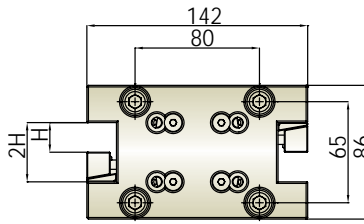
| Unit : mm | |
|----------------------|-------|
| Model No. | H |
| THL-KT2-C1-55.419.05 | 19.05 |





• Double Face and OD Tool Holder CD1 • 雙刃端面外徑刀座 CD1

| Unit : mm | |
|-----------------------|-------|
| Model No. | H |
| THL-KT2-CD1-55.419.05 | 19.05 |





Quick Change System 快換刀座系列

Features 刀座特色

- Adapters adopt Standard HSK taper which are easily accessible.
- Dual contact system ensures high accuracy and rigidity to reach max. torque.
- Accurate repeatability.
- Greatly reduce tool setup time.
- 子座規格標準 HSK，配件選購便利。
- 接合方式採雙面拘束，高扭距傳輸。
- 高重複置換精度。
- 快換裝置，縮短換刀時間。

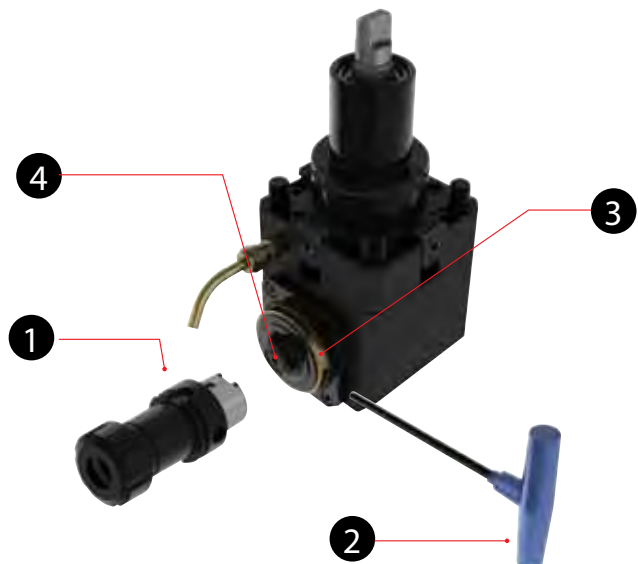


Instruction Manual

- After inserting the adapter ①, put T-wrench ② through Brass Locking Ring ③ to operate the Clamping Set ④ which would pull back and tighten the adapter.
- In order to avoid any ingress of foreign matter to prolong the service life, please be sure to switch off the Brass Locking Ring ③ by turning it clockwise right after any adapter installation.
- During installation, the Clamping Set would pull back the adapter, which provides dual contact between itself and adapter interface to ensure high accuracy and rigidity.

- 刀具 ① 裝入後，使用扳手 ②，穿過擋水環 ③，控制拉刀機構 ④，將刀具後拉鎖緊。
- 擋水環 ③ 有關閉外部進水設計，在刀具安裝後加工前需將其關閉，防止異物進入已延長使用壽命。
- 鎖刀時透過後拉方式可使其產生雙面拘束效果，確保加工精度及剛性。

- ① Adapter 刀具
- ② T-wrench 扳手
- ③ Brass Locking Ring 擋水環
- ④ Clamping Set 拉刀機構

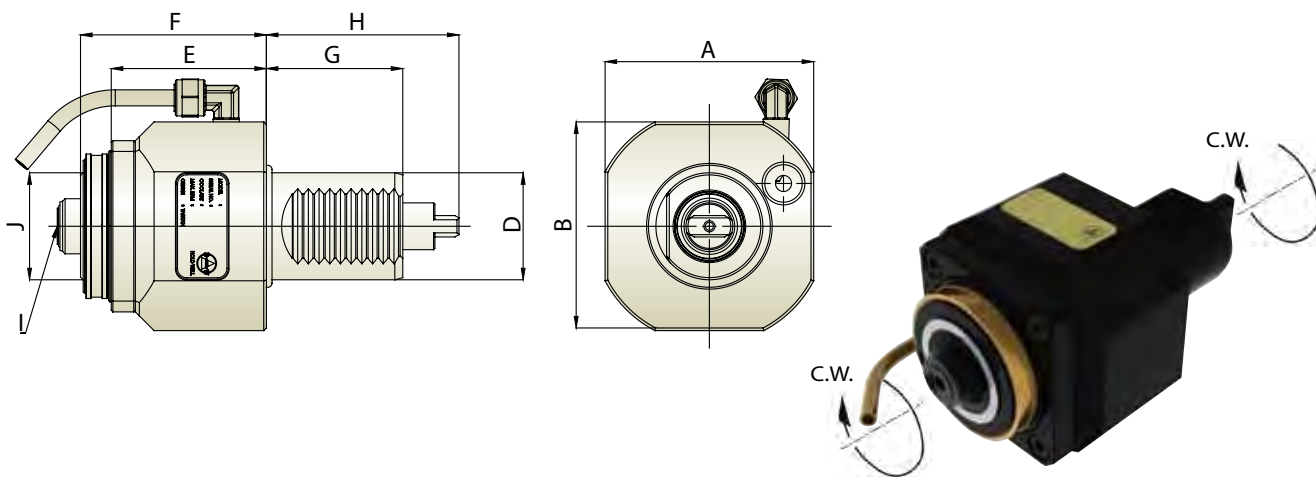




Axial Quick Change Tool Holder 軸向快換刀座

R.P.M. Max. 6,000 RPM
轉速最高

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- ER Collet is according to HSK A / C.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 1809
- 輸出軸筒夾為HSK A/ C
- 同時適用於左手型刀塔及右手型刀塔



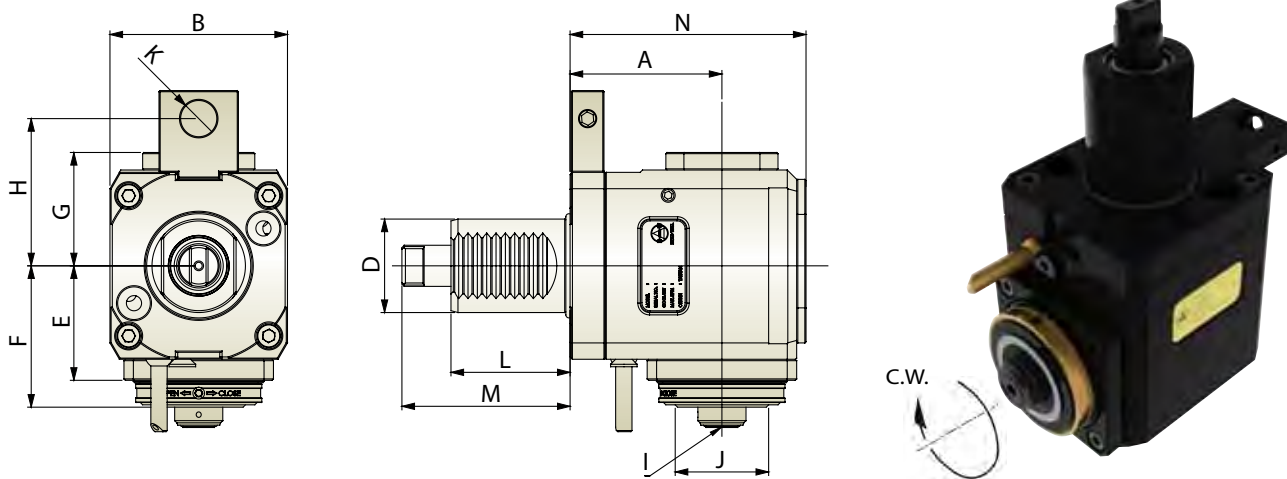
Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|----|------|----|----|----|-------|----------|
| THB-A38-40A | 78 | 78 | 40 | 58 | 69.5 | 51 | 72 | 40 | HSK40 | 2.7 |

Radial Quick Change Tool Holder 徑向快換刀座

Gear Ratio 1:1
齒輪比

R.P.M. Max. 4,000 RPM
轉速最高



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|------|------|----|-------|----|------|----|----|-----|----------|
| THB-B38.65-40A | 65 | 76 | 40 | 49 | 60.5 | 48.5 | 63 | HSK40 | 40 | 15.5 | 51 | 72 | 101 | 4.7 |


※ Further option: 6000RPM 另有 6000RPM 可供選擇

Quick Change Tool Holder

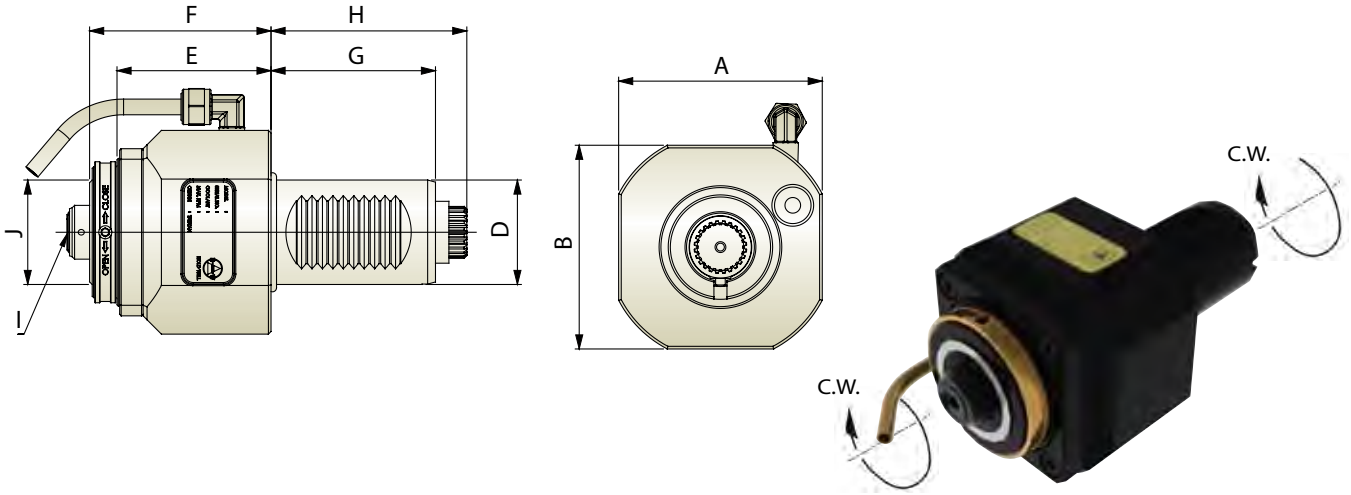


Axial Quick Change Tool Holder 軸向快換刀座

DIN 5480

 R.P.M. Max. 6,000 RPM
轉速最高

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- ER Collet is according to HSK A / C.
- For left hand and right hand turret.
- 接合面依據 DIN 69880
- 傳動軸為 DIN 5480
- 輸出軸筒夾為 HSK A / C
- 同時適用於左手型刀塔及右手型刀塔



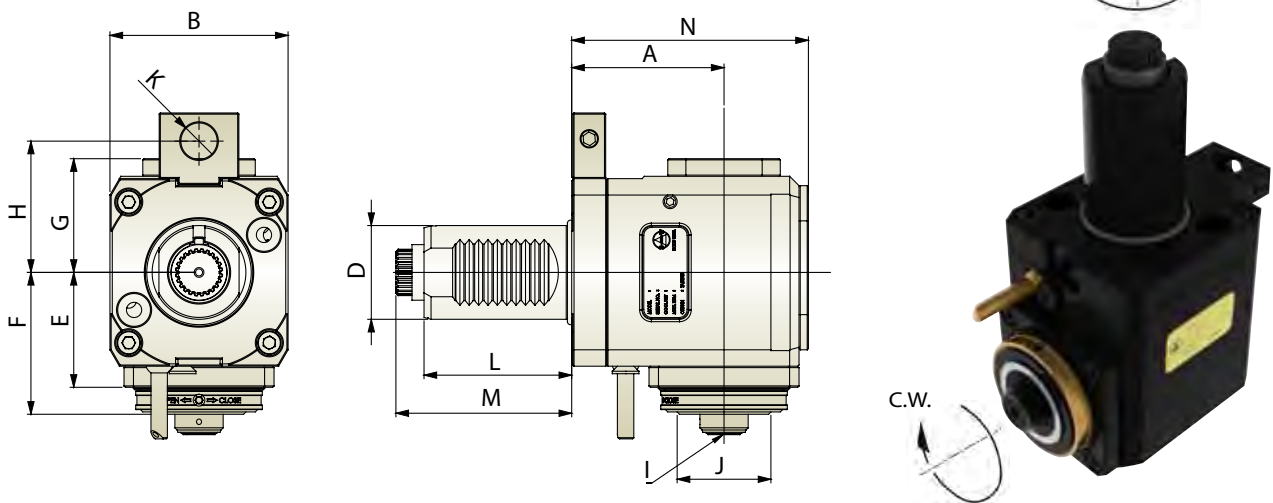
Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|----|------|----|----|----|-------|----------|
| THB-A38-40B | 78 | 78 | 40 | 58 | 69.5 | 63 | 75 | 40 | HSK40 | 2.8 |

Radial Quick Change Tool Holder 徑向快換刀座

 Gear Ratio 1 : 1
齒輪比

 R.P.M. Max. 4,000 RPM
轉速最高



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|------|------|----|-------|----|------|----|----|-----|----------|
| THB-B38.65-40B | 65 | 76 | 40 | 49 | 60.5 | 48.5 | 63 | HSK40 | 40 | 15.5 | 63 | 75 | 101 | 4.7 |
| THB-B38.85-40B | 85 | 76 | 40 | 49 | 60.5 | 48.5 | 63 | HSK40 | 40 | 15.5 | 63 | 75 | 101 | 4.9 |

※ Further option: 6000RPM 另有 6000RPM 可供選擇

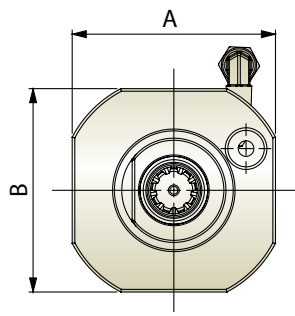
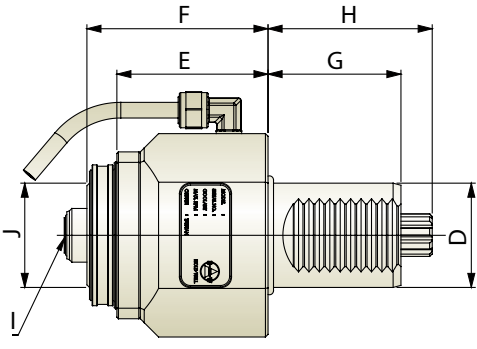
Quick Change Tool Holder



Axial Quick Change Tool Holder 軸向快換刀座

 R.P.M. Max. 6,000 RPM
轉速最高

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5482.
- ER Collet is according to HSK A / C.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為DIN 5482
- 輸出軸筒夾為HSK A / C
- 同時適用於左手型刀塔及右手型刀塔



DIN 5482

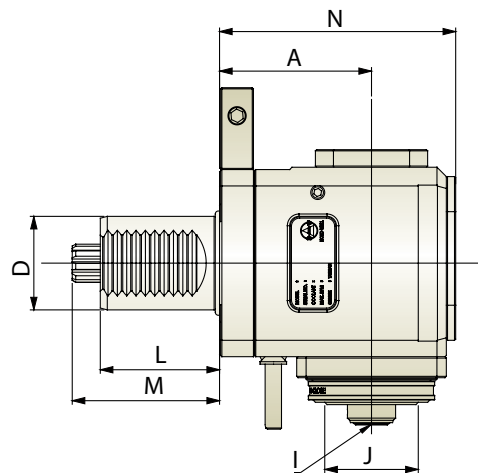
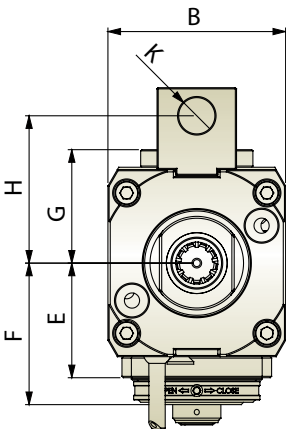
Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|----|------|----|----|----|-------|----------|
| THB-A38-40C | 78 | 78 | 40 | 58 | 69.5 | 51 | 63 | 40 | HSK40 | 2.7 |

Radial Quick Change Tool Holder 徑向快換刀座

 Gear Ratio 1 : 1
齒輪比

 R.P.M. Max. 4,000 RPM
轉速最高



Unit : mm

| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|------|------|----|-------|----|------|----|----|-----|----------|
| THB-B38.65-40C | 65 | 76 | 40 | 49 | 60.5 | 48.5 | 63 | HSK40 | 40 | 15.5 | 51 | 63 | 101 | 4.7 |

※ Further option: 6000RPM 另有 6000RPM 可供選擇

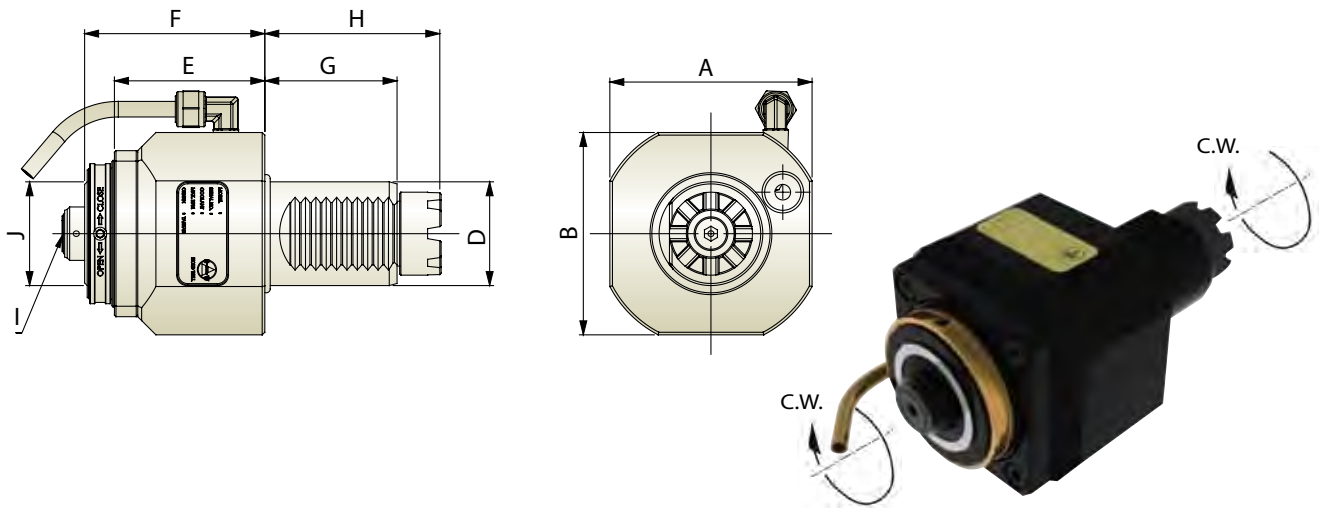
Quick Change Tool Holder



Axial Quick Change Tool Holder 軸向快換刀座

R.P.M. Max. 6,000 RPM
轉速最高

- Tool Holder is produced in accordance with DIN 69880
- Driven Coupling is according to SPUR MT TOEM
- ER Collet is according to HSK A / C.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為SPUR MT TOEM
- 輸出軸筒夾為HSK A/ C
- 同時適用於左手型刀塔及右手型刀塔



Unit : mm

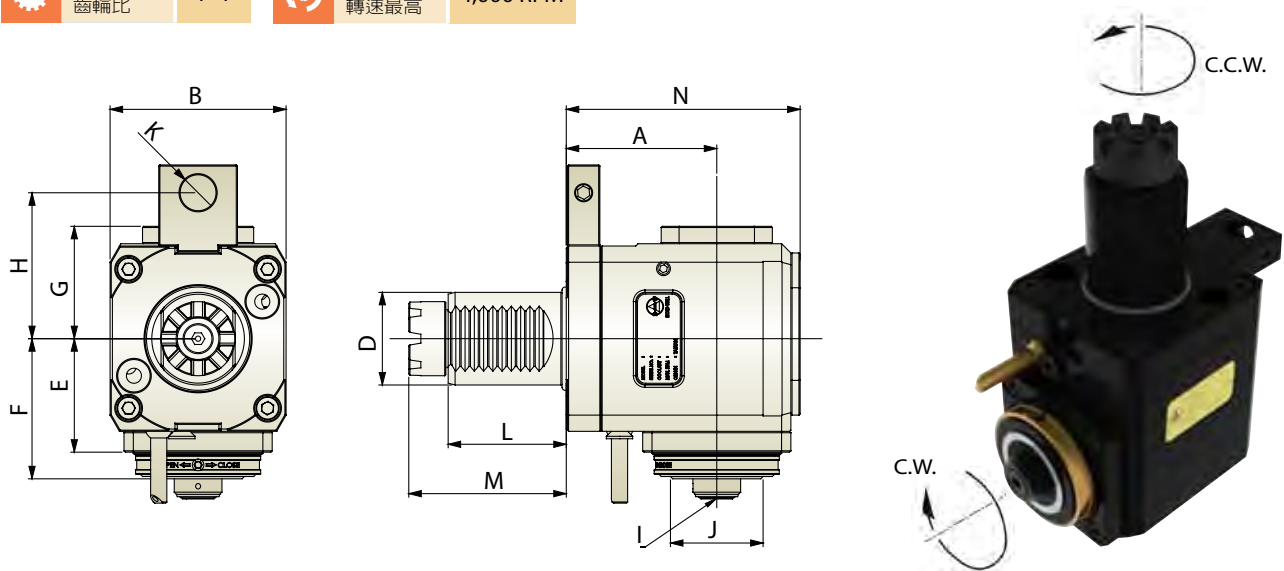
| Model No. | A | B | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|----|------|----|------|----|-------|----------|
| THB-A38-40D | 78 | 78 | 40 | 58 | 69.5 | 51 | 67.5 | 40 | HSK40 | 2.7 |

SPUR MT TOEM

Radial Quick Change Tool Holder 徑向快換刀座

Gear Ratio 1:1
齒輪比

R.P.M. Max. 4,000 RPM
轉速最高



Unit : mm


| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|------|------|----|-------|----|------|----|------|-----|----------|
| THB-B38.65-40D | 65 | 76 | 40 | 49 | 60.5 | 48.5 | 63 | HSK40 | 40 | 15.5 | 51 | 67.5 | 101 | 4.7 |

※ Further option: 6000RPM 另有 6000RPM 可供選擇

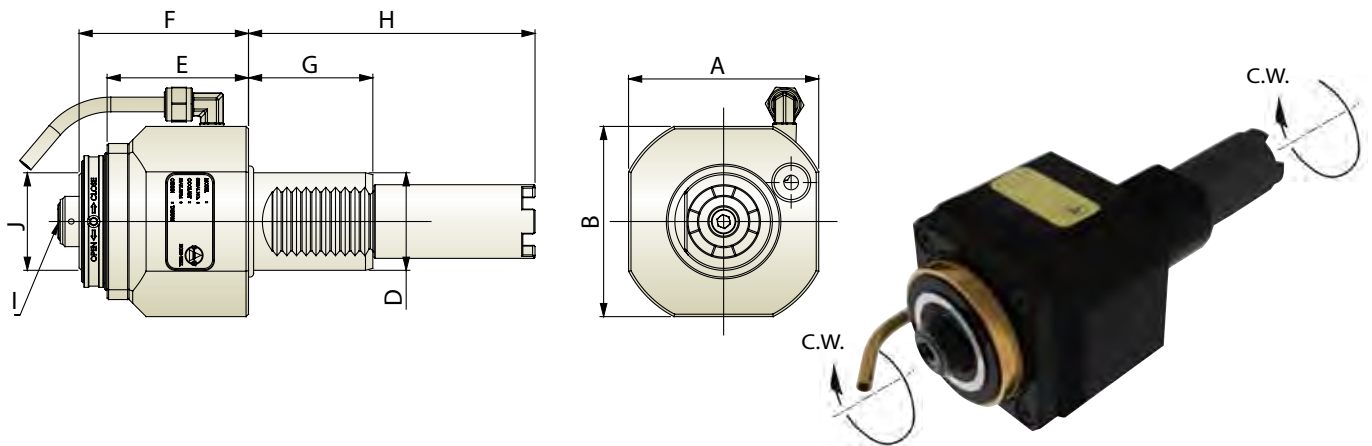
Quick Change Tool Holder



Axial Quick Change Tool Holder 軸向快換刀座

 R.P.M. Max. 轉速最高 6,000 RPM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to HAAS.
- ER Collet is according to HSK A / C.
- For left hand and right hand turret.
- 接合面依據DIN 69880
- 傳動軸為HAAS
- 輸出軸筒夾為HSK A / C
- 同時適用於左手型刀塔及右手型刀塔




Unit : mm

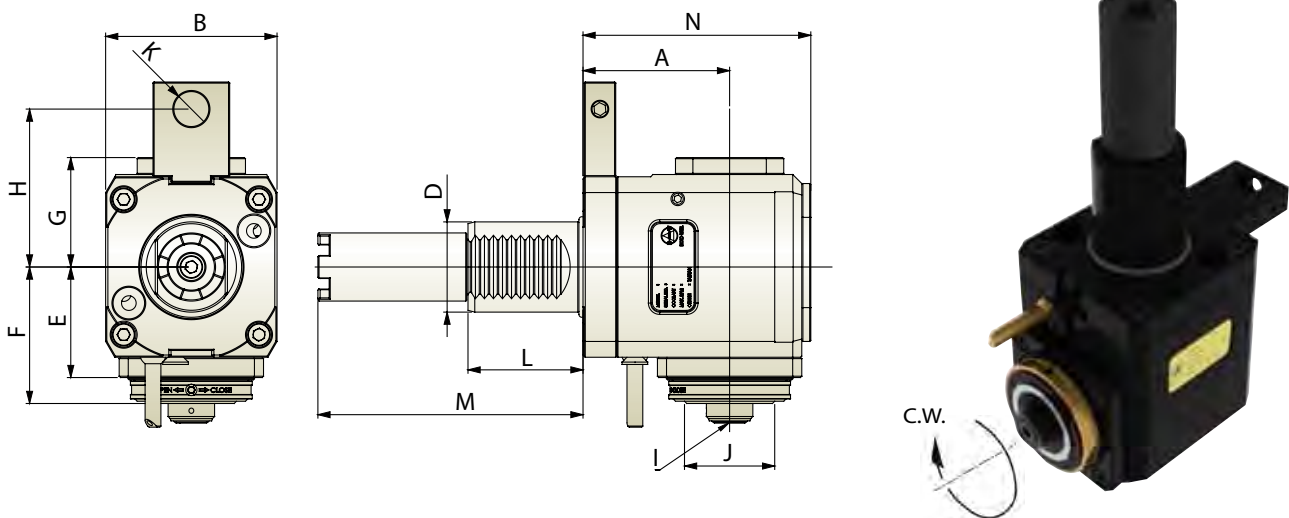
| Model No. | A | B | D | E | F | G | H | I | J | N.W.(KG) |
|-------------|----|----|----|----|------|----|--------|----|-------|----------|
| THB-A38-40E | 78 | 78 | 40 | 58 | 69.5 | 51 | 104.85 | 40 | HSK40 | 2.75 |
| THB-A38-40F | 78 | 78 | 40 | 58 | 69.5 | 51 | 117.55 | 40 | HSK40 | 2.8 |

HAAS

Radial Quick Change Tool Holder 徑向快換刀座

 Gear Ratio 齒輪比 1:1

 R.P.M. Max. 轉速最高 4,000 RPM



Unit : mm


| Model No. | A | B | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|----|----|----|------|------|----|-------|----|------|----|--------|-----|----------|
| THB-B38.65-40E | 65 | 76 | 40 | 49 | 60.5 | 48.5 | 63 | HSK40 | 40 | 15.5 | 51 | 104.85 | 101 | 4.75 |
| THB-B38.65-40F | 65 | 76 | 40 | 49 | 60.5 | 48.5 | 63 | HSK40 | 40 | 15.5 | 51 | 117.55 | 101 | 4.8 |

※ Further option: 6000RPM 另有 6000RPM 可供選擇

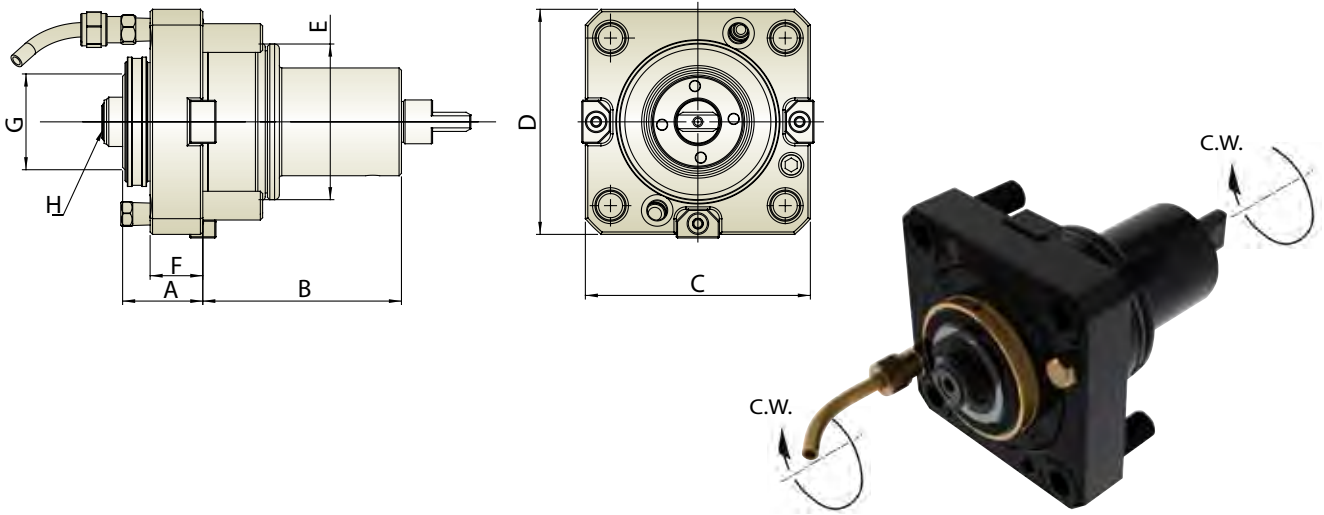
Quick Change Tool Holder



Axial Quick Change Tool Holder 軸向快換刀座

 R.P.M. Max. 6,000 RPM
轉速最高

- ER Collet is according to HSK A / C. • 輸出軸筒夾為HSK A / C



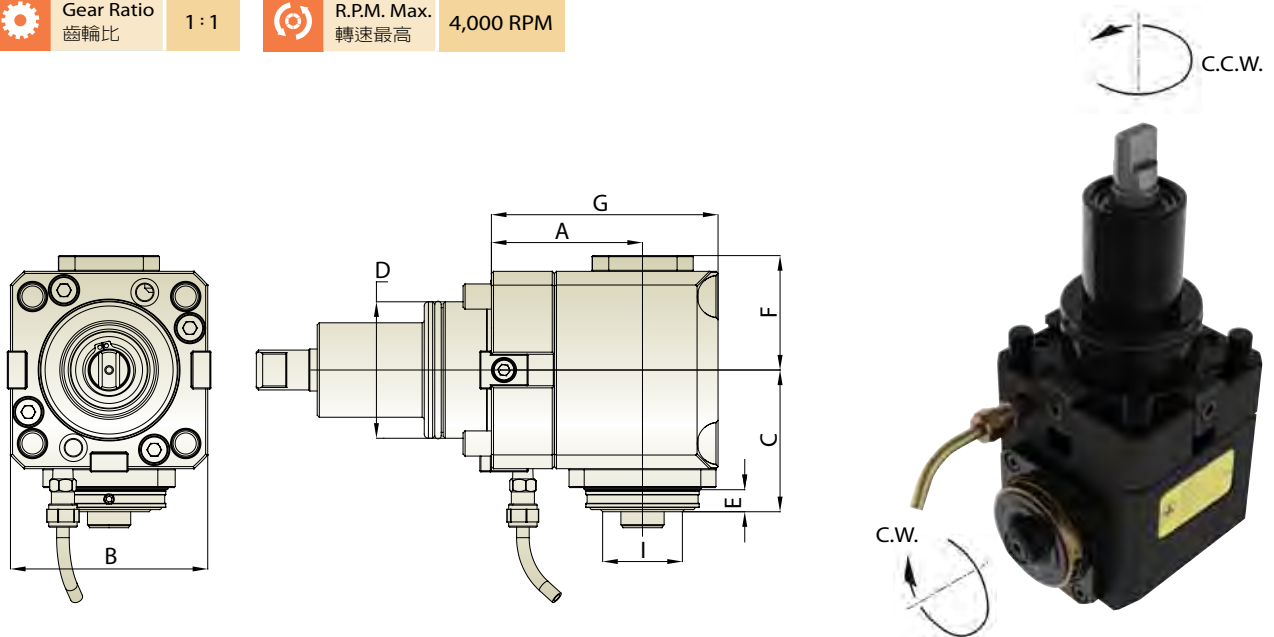
Unit : mm

| Model No. | A | B | C | D | E | F | G | H | N.W.(KG) |
|-------------|----|----|----|----|----|------|----|-------|----------|
| THM-A38-65A | 22 | 83 | 94 | 94 | 65 | 33.5 | 40 | HSK40 | 2.9 |

Radial Quick Change Tool Holder 徑向快換刀座

 Gear Ratio 1 : 1
齒輪比

 R.P.M. Max. 4,000 RPM
轉速最高



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | N.W.(KG) |
|----------------|----|----|------|----|------|------|-----|-------|----|----------|
| THM-B38.72-65A | 72 | 94 | 67.5 | 65 | 11.5 | 54.5 | 108 | HSK40 | 40 | 8.3 |

* Further option: 6000RPM 另有 6000RPM 可供選擇

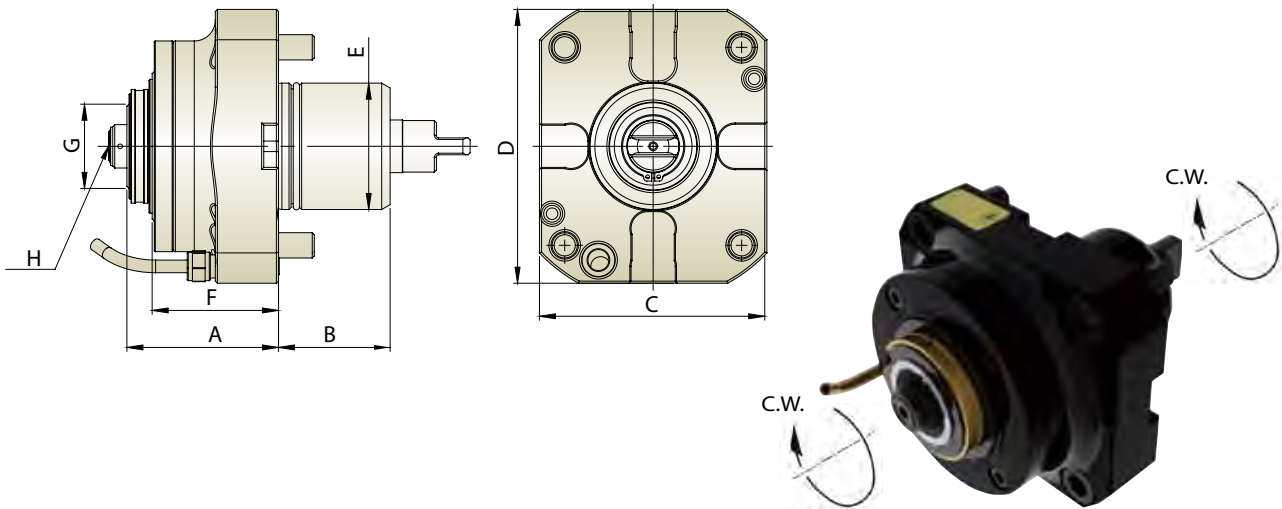
Quick Change Tool Holder



Axial Quick Change Tool Holder 軸向快換刀座

R.P.M. Max. 6,000 RPM
轉速最高

- ER Collet is according to HSK A / C. • 輸出軸筒夾為HSK A / C



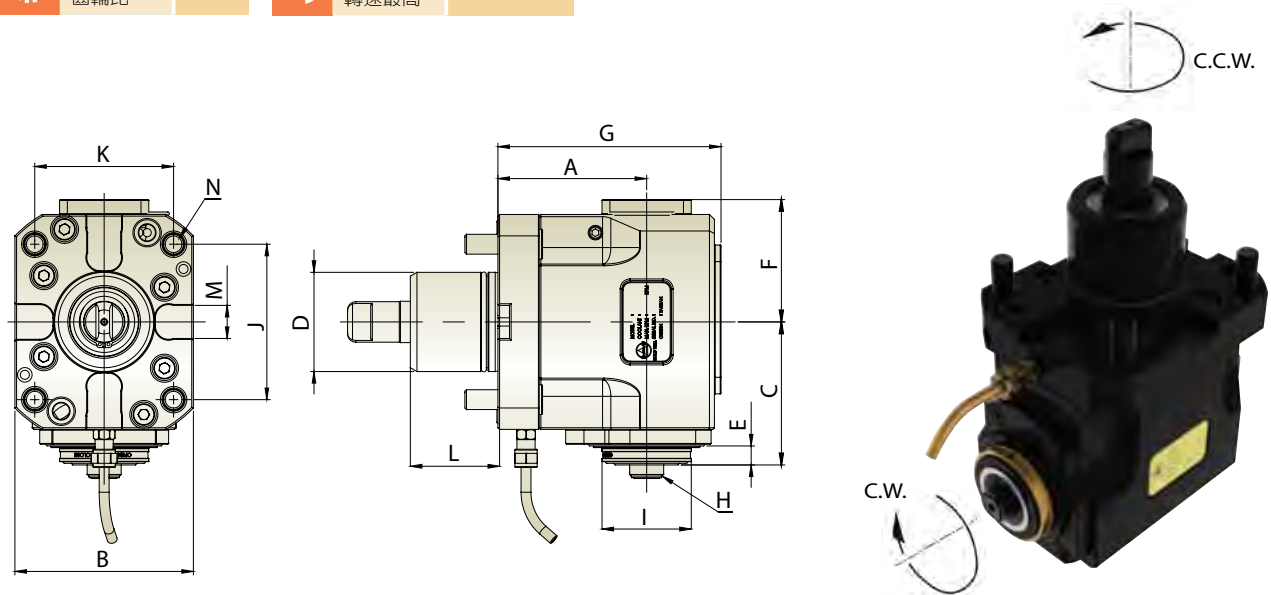
Unit : mm

| Model No. | A | B | C | D | E | F | G | H | N.W.(KG) |
|-------------|----|----|-----|-----|----|----|----|-------|----------|
| THM-A38-60G | 72 | 53 | 108 | 108 | 60 | 60 | 40 | HSK40 | 5.8 |

Radial Quick Change Tool Holder 徑向快換刀座

Gear Ratio 1:1
齒輪比

R.P.M. Max. 4,000 RPM
轉速最高



Unit : mm

| Model No. | A | B | C | D | E | F | G | H | I | J | K | L | M | N | N.W.(KG) |
|----------------|----|-----|------|----|------|----|-----|-------|----|----|----|----|----|-----|----------|
| THM-B38.90-60G | 90 | 108 | 89.5 | 60 | 14.5 | 74 | 135 | HSK40 | 40 | 94 | 84 | 54 | 20 | M12 | 11 |


※ Further option: 6000RPM 另有 6000RPM 可供選擇

MORI SEIKI

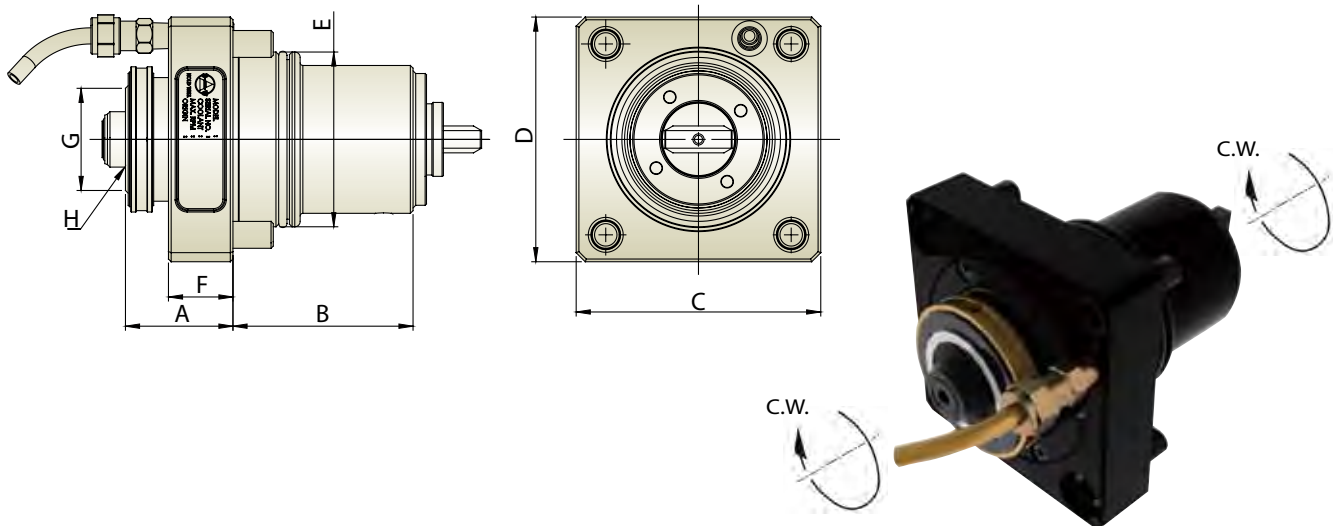
Quick Change Tool Holder



Axial Quick Change Tool Holder 軸向快換刀座

 R.P.M. Max. 6,000 RPM
轉速最高

- ER Collet is according to HSK A / C. • 輸出軸筒夾為HSK A / C




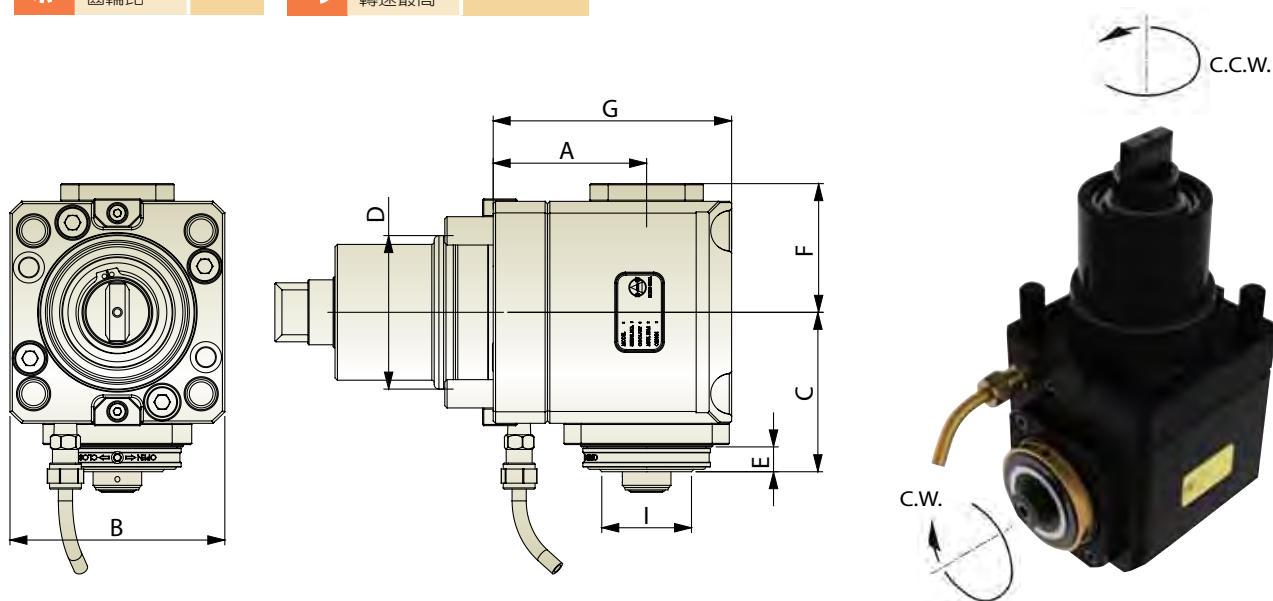
Unit : mm

| Model No. | A | B | C | D | E | F | G | H | N.W.(KG) |
|-------------|----|------|----|----|----|----|----|-------|----------|
| THM-A38-65N | 40 | 92.5 | 91 | 91 | 65 | 24 | 40 | HSK40 | 2.8 |

Radial Quick Change Tool Holder 徑向快換刀座

 Gear Ratio 1 : 1
齒輪比

 R.P.M. Max. 4,000 RPM
轉速最高



Unit : mm

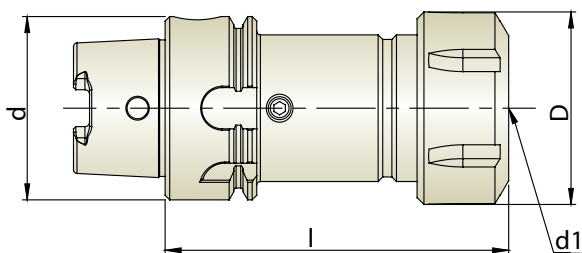
| Model No. | A | B | C | D | E | F | G | H | I | N.W.(KG) |
|----------------|----|----|------|----|------|------|-----|-------|----|----------|
| THM-B38.65-65N | 65 | 91 | 67.5 | 65 | 11.5 | 54.5 | 101 | HSK40 | 40 | 7.8 |

* Further option: 6000RPM 另有 6000RPM 可供選擇



• ER Collet Tool Holder ER • 筒夾刀桿

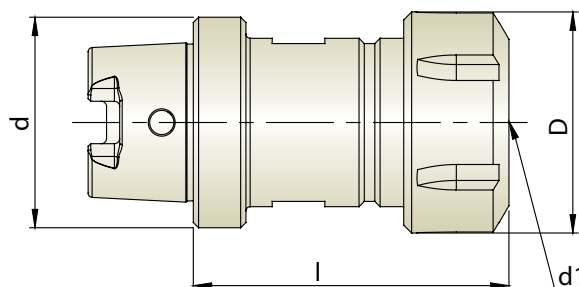
HSK A Type



Unit : mm

| Model No. | HSK d | d1 | D | l |
|-------------|-------|------|----|-----|
| HSK40A-ER25 | 40 | ER25 | 42 | 75 |
| HSK40A-ER32 | 40 | ER32 | 50 | 100 |

HSK C Type

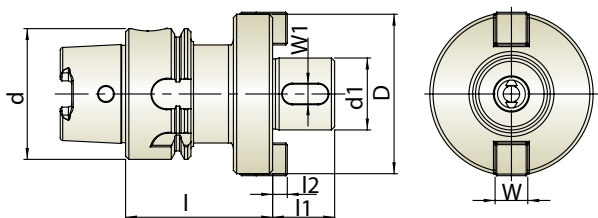


Unit : mm

| Model No. | HSK d | d1 | D | l |
|-------------|-------|------|----|-------|
| HSK40C-ER25 | 40 | ER25 | 42 | 56-60 |

• Face Mill Tool Holder • 面銑刀桿

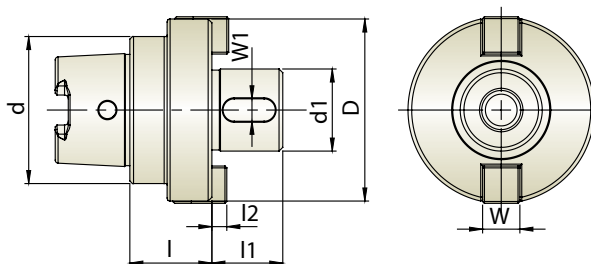
HSK A Type



Unit : mm

| Model No. | HSK d | d1 | D | l | l1 | l2 | W |
|--------------|-------|------|----|----|----|-----|----|
| HSK40A-FMB16 | 40 | 16h7 | 40 | 50 | 17 | 3.8 | 8 |
| HSK40A-FMB22 | 40 | 22h7 | 50 | 45 | 19 | 4.5 | 10 |
| HSK40A-FMB27 | 40 | 27h7 | 60 | 60 | 21 | 5.8 | 12 |

HSK C Type



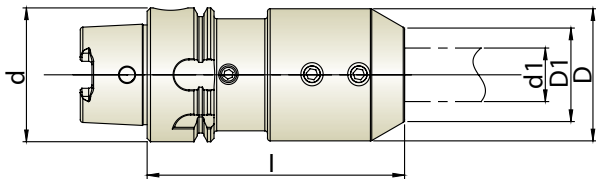
Unit : mm

| Model No. | HSK d | d1 | D | l | l1 | l2 | W |
|--------------|-------|------|----|----|----|----|----|
| HSK40C-FMB22 | 40 | 22h7 | 50 | 22 | 19 | 4 | 10 |

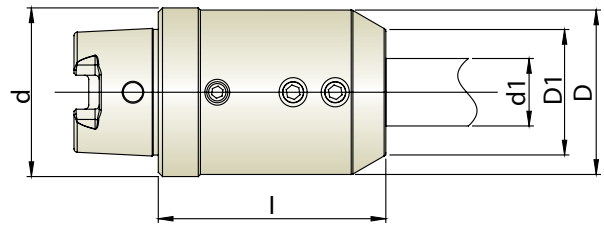


• Side Lock Tool Holder • 側固刀桿

HSK A Type



HSK C Type



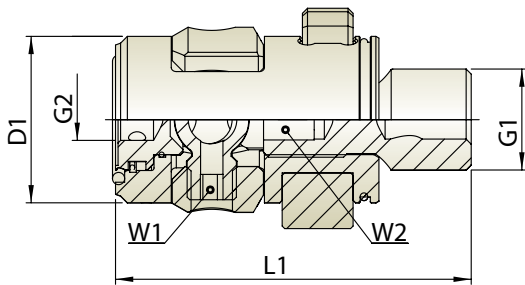
Unit : mm

| Model No. | HSK d | d1 | D | D1 | L |
|--------------|-------|----|------|----|----|
| HSK40A-SLN16 | 40 | 16 | 39.5 | 28 | 77 |

Unit : mm

| Model No. | HSK d | d1 | D | D1 | L |
|--------------|-------|----|----|----|----|
| HSK40C-SLN16 | 40 | 16 | 39 | 30 | 54 |

• Clamping Set • 拉刀機構

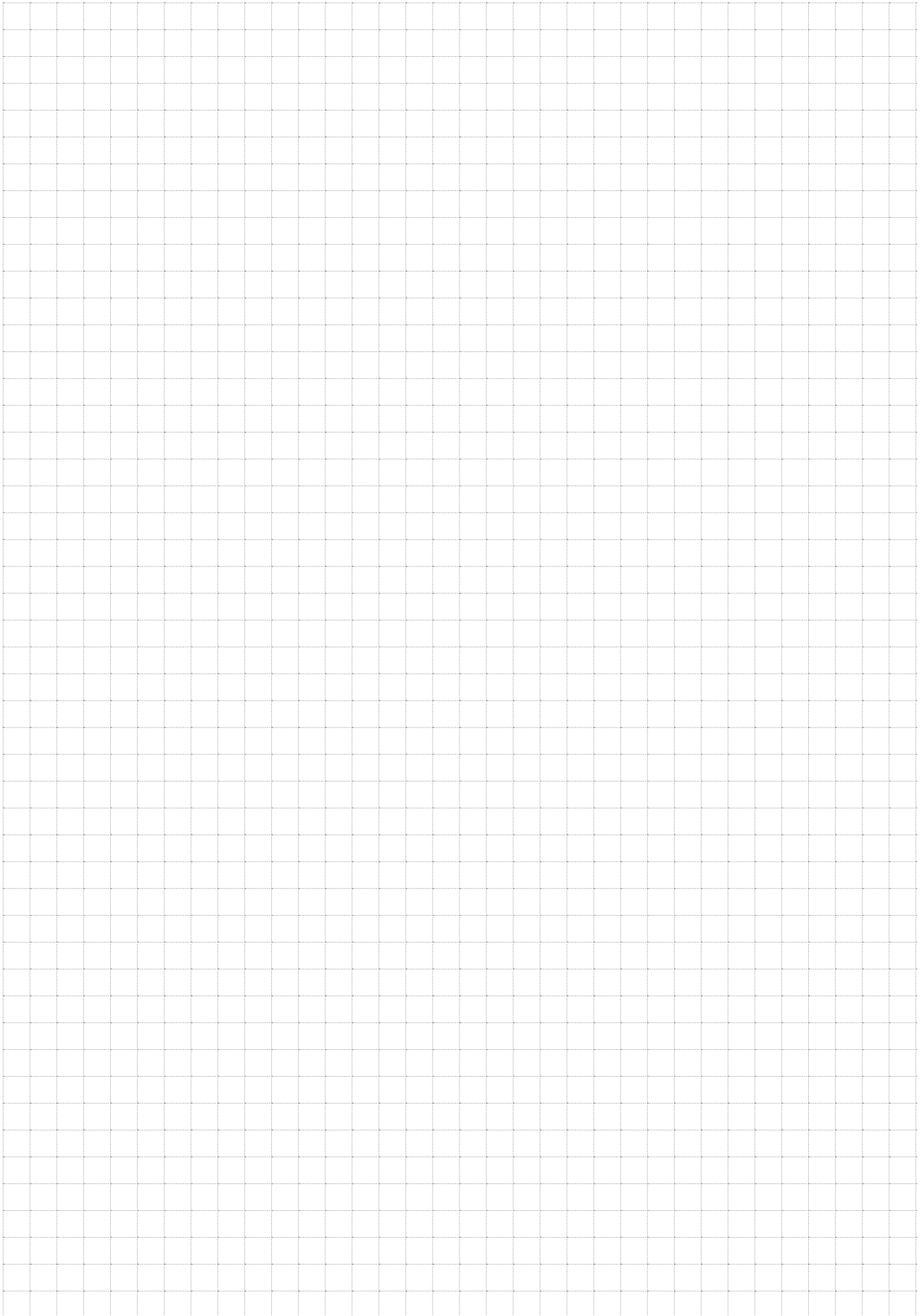


Unit : mm

| Model No. | D1 | L1 | G1 | G2 | W1 | W2 | N.W.(KG) |
|-----------|------|----|-----|-----|-----|----|----------|
| HSK-32C | 16.7 | 40 | M10 | M5 | 2.5 | 4 | 0.050 |
| HSK-40C | 20.6 | 49 | M12 | M6 | 3.0 | 5 | 0.080 |
| HSK-63C | 33.0 | 72 | M20 | M10 | 5.0 | 8 | 0.310 |



HOLD WELL





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