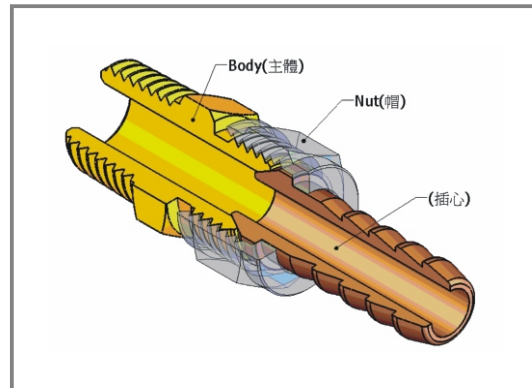
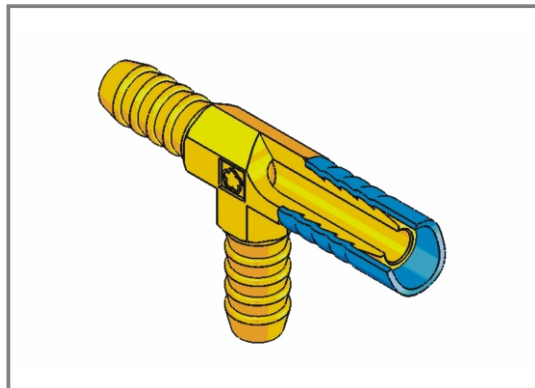


# A/E Hose Barb Fittings

**A/E series**  
Hose Barb Fittings  
插心系列



## A/E Hose Barb Fittings 插心系列



### 特點

應用於低壓水的傳遞。  
使用hose 軟管，可以重複使用。

### 材質

接頭、螺帽均採用黃銅JIS3604材質加工而成。  
彎頭、三通均採用黃銅JIS3771材質鍛造並加工而成。

### 工作溫度

使用於-40°C~71°C。

### 工作壓力

最大10.5bar的壓力使用。

### 組裝步驟

1. 正切且乾淨的剪切軟管到所需長度。
2. 套上束套於軟管上。
3. 塗上些許潤滑劑於軟管內，再將軟管推入接頭，直到軟管底端碰觸六角。
4. 如下圖，將束套移至定位，並使用螺絲起子或板手將束套夾緊。

### Characteristic

Use for water flow in low pressure,  
Use with hose tubing, Can be used repeatedly.

### Material

All connector, nut are machined from brass JIS3604  
All elbow, tee are forged and machined from brass JIS3771

### Working Temperature

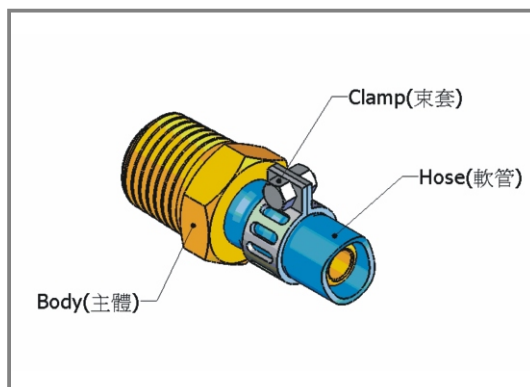
From -40°F~160°F

### Working Pressure

150 PSI maximum

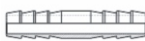
### Assembly Instruction

1. Cut hose clearly and squarely to length
2. Slide clamp on hose
3. Lubricate hose. Push hose on fitting until hose bottoms against stop ring or hex
4. As shown below, position hose clamp and secure with Screwdriver or wrench.



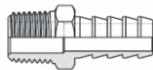
## Adapter

**E04**  
雙頭插心  
Union



Page A/E 17

**E03**  
管牙插心接頭  
Male  
Connector



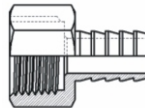
Page A/E 16-17

**A13**  
惠氏牙接頭  
Whitworth  
Connector



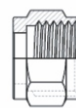
Page A/E 15

**E08**  
內牙插心接頭  
Female  
Connector



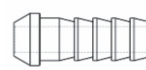
Page A/E 18

**E10**  
活動帽  
Swivel Nut



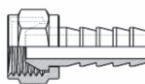
Page A/E 19

**E10**  
活動插心  
Swivel  
Hose-Barb



Page A/E 19

**E10**  
活動心&螺帽  
Hose-Barb  
& Nut



Page A/E 19

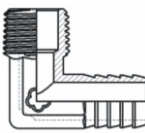
**E10**  
活動接頭組  
Hose-Barb  
Connector



Page A/E 19

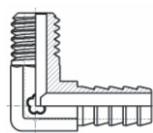
## Elbow

**A01**  
外牙彎頭  
Male Elbow



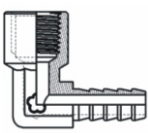
Page A/E 14

**A13**  
惠氏牙彎頭  
Whitworth  
Male Elbow



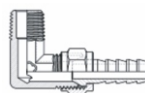
Page A/E 15

**A15**  
內牙彎頭  
Female Elbow



Page A/E 15

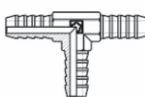
**E10**  
活動彎頭組  
Hose-Barb  
Swivel Elbow



Page A/E 19

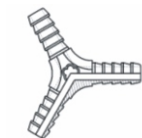
## Tee

**E05-T**  
插心三通  
Union Tee



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**E05-Y**  
Y 型插心三通  
Y Union Tee



Page A/E 18

A / E  
Pipe Fittings

A / E  
Hose Barb

H  
45° Flared

S  
Compression

S B  
Bite Type

N  
Fast-In Fittings

N F  
Ferrule Quick

P  
Push-In Fittings

V  
Valves

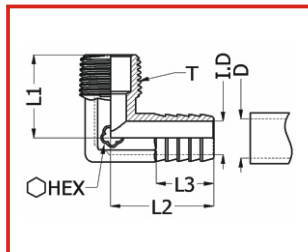


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## A01

外牙插心彎頭 Male Hose-Barb Elbow



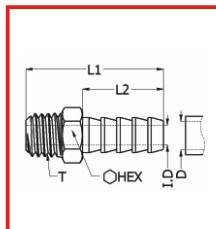
| 產品編號      | 管牙 T         | 適用管徑 D     | L1   | L2   | L3   | HEX  | I.D  |
|-----------|--------------|------------|------|------|------|------|------|
| PART NO.  | PipeThread T | TubeSize D |      |      |      |      |      |
| A01-L101  | 1/8          | 1/8        | 18.0 | 21.5 | 14   | 9.5  | 2    |
| A01-L1015 | 1/8          | 3/16       | 18.0 | 21.5 | 14.5 | 9.5  | 3    |
| A01-L102  | 1/8          | 1/4        | 18.0 | 27.0 | 20   | 9.5  | 4    |
| A01-L1025 | 1/8          | 5/16       | 18.0 | 27.0 | 20   | 9.5  | 5.5  |
| A01-L103  | 1/8          | 3/8        | 18.0 | 27.0 | 19   | 9.5  | 5.5  |
| A01-L202  | 1/4          | 1/4        | 23.5 | 30.5 | 20   | 11.5 | 4    |
| A01-L2025 | 1/4          | 5/16       | 23.5 | 30.5 | 20   | 11.5 | 5.5  |
| A01-L203  | 1/4          | 3/8        | 23.5 | 31   | 20   | 11.5 | 7    |
| A01-L204  | 1/4          | 1/2        | 23   | 30.5 | 20   | 13   | 8    |
| A01-L205  | 1/4          | 5/8        | 27   | 35.5 | 20   | 15   | 8    |
| A01-L302  | 3/8          | 1/4        | 23.5 | 30   | 20   | 11   | 4    |
| A01-L3025 | 3/8          | 5/16       | 23.5 | 30   | 20   | 11   | 5.5  |
| A01-L303  | 3/8          | 3/8        | 23.5 | 30   | 20   | 11   | 7    |
| A01-L304  | 3/8          | 1/2        | 28   | 35   | 20   | 15   | 9.5  |
| A01-L305  | 3/8          | 5/8        | 28   | 35.5 | 20   | 15   | 10.5 |
| A01-L402  | 1/2          | 1/4        | 31   | 33.5 | 20   | 15   | 4    |
| A01-L4025 | 1/2          | 5/16       | 31   | 33.5 | 20   | 15   | 5.5  |
| A01-L403  | 1/2          | 3/8        | 31   | 33.5 | 20   | 15   | 7    |
| A01-L404  | 1/2          | 1/2        | 30   | 33.5 | 20   | 15   | 9.5  |
| A01-L405  | 1/2          | 5/8        | 29.5 | 35.5 | 20.4 | 15   | 11   |
| A01-L406  | 1/2          | 3/4        | 30.5 | 39   | 25.5 | 17   | 13   |
| A01-L604  | 3/4          | 1/2        | 34.5 | 43   | 26   | 25.5 | 8    |
| A01-L605  | 3/4          | 5/8        | 34.5 | 50   | 32.5 | 25.5 | 11   |
| A01-L606  | 3/4          | 3/4        | 34.5 | 50   | 32.5 | 25.5 | 14   |
| A01-L608  | 3/4          | 1"         | 34.5 | 50.5 | 32.5 | 25.5 | 19   |
| A01-L806  | 1"           | 3/4        | 44   | 50.5 | 32.5 | 31.5 | 14   |
| A01-L808  | 1"           | 1"         | 44   | 50.5 | 32.5 | 31.5 | 19   |
| A01-L8082 | 1"           | 1-1/4"     | 44   | 50.5 | 30.5 | 31.5 | 24   |





## A13

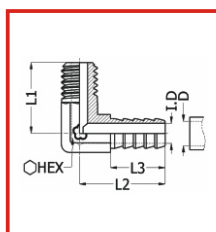
惠氏牙插心接頭 Whitworth male Hose-Barb Connector



| 產品編號      | 惠式牙 T       | 適用管徑 D     | L1 | L2 | HEX | I.D |
|-----------|-------------|------------|----|----|-----|-----|
| PART NO.  | Whitworth T | TubeSize D |    |    |     |     |
| A13-C3025 | W3/8        | 5/16       | 34 | 20 | 10  | 5   |
| A13-C303  | W3/8        | 3/8        | 34 | 20 | 12  | 5   |
| A13-C304  | W3/8        | 1/2        | 34 | 20 | 14  | 5   |
| A13-C403  | W1/2        | 3/8        | 37 | 20 | 14  | 7   |
| A13-C404  | W1/2        | 1/2        | 37 | 20 | 14  | 7   |

## A13

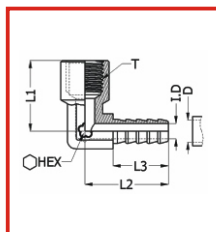
惠氏牙插心彎頭 Whitworth male Hose-Barb Elbow



| 產品編號     | 惠式牙 T       | 適用管徑 D     | L1   | L2   | L3 | HEX  | I.D |
|----------|-------------|------------|------|------|----|------|-----|
| PART NO. | Whitworth T | TubeSize D |      |      |    |      |     |
| A13-L303 | W3/8        | 3/8        | 18.5 | 27.5 | 19 | 9.5  | 5   |
| A13-L304 | W3/8        | 1/2        | 21   | 31.5 | 20 | 13   | 5   |
| A13-L403 | W1/2        | 3/8        | 23.5 | 31.5 | 20 | 11.5 | 7   |
| A13-L404 | W1/2        | 1/2        | 23   | 31.5 | 20 | 13   | 8   |

## A15

內牙插心彎頭 Female Hose-Barb Elbow

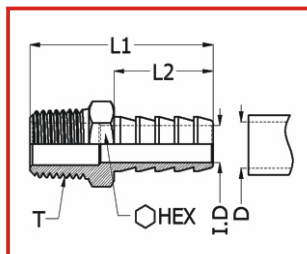


| 產品編號       | 內管牙 T        | 適用管徑 D     |      |      |    |     |     |
|------------|--------------|------------|------|------|----|-----|-----|
| PART NO.   | PipeThread T | TubeSize D | L1   | L2   | L3 | HEX | I.D |
| A15-LM202  | 1/4          | 1/4        | 26   | 30   | 20 | 11  | 4   |
| A15-LM2025 | 1/4          | 5/16       | 26   | 30.5 | 20 | 11  | 5.5 |
| A15-LM203  | 1/4          | 3/8        | 26   | 30.5 | 20 | 11  | 7   |
| A15-LM303  | 3/8          | 3/8        | 31.5 | 33.5 | 20 | 15  | 7   |
| A15-LM304  | 3/8          | 1/2        | 31.5 | 33.5 | 20 | 15  | 9.5 |



## E03

### 管牙插心接頭 Male Hose-Barb Connector



| 產品編號      | 管牙 T         | 適用管徑 D     | L1   | L2   | HEX | I.D  |
|-----------|--------------|------------|------|------|-----|------|
| PART NO.  | PipeThread T | TubeSize D |      |      |     |      |
| E03-C101  | 1/8          | 1/8        | 26   | 12   | 10  | 2    |
| E03-C1015 | 1/8          | 3/16       | 26   | 12   | 10  | 3    |
| E03-C102  | 1/8          | 1/4        | 34   | 20   | 10  | 4    |
| E03-C1025 | 1/8          | 5/16       | 34   | 20   | 10  | 5.5  |
| E03-C103  | 1/8          | 3/8        | 34   | 20   | 12  | 5.5  |
| E03-C201  | 1/4          | 1/8        | 29   | 12   | 14  | 2    |
| E03-C2015 | 1/4          | 3/16       | 29   | 12   | 14  | 3    |
| E03-C202  | 1/4          | 1/4        | 37   | 20   | 14  | 4    |
| E03-C2025 | 1/4          | 5/16       | 37   | 20   | 14  | 5.5  |
| E03-C203  | 1/4          | 3/8        | 37   | 20   | 14  | 7    |
| E03-C204  | 1/4          | 1/2        | 37   | 20   | 14  | 8    |
| E03-C205  | 1/4          | 5/8        | 40   | 23   | 17  | 8    |
| E03-C302  | 3/8          | 1/4        | 37   | 20   | 17  | 4    |
| E03-C3025 | 3/8          | 5/16       | 37   | 20   | 17  | 5.5  |
| E03-C303  | 3/8          | 3/8        | 37   | 20   | 17  | 7    |
| E03-C304  | 3/8          | 1/2        | 37   | 20   | 17  | 9.5  |
| E03-C305  | 3/8          | 5/8        | 40   | 23   | 17  | 11   |
| E03-C306  | 3/8          | 3/4        | 44   | 26   | 21  | 10.5 |
| E03-C402  | 1/2          | 1/4        | 40.5 | 20   | 21  | 4    |
| E03-C4025 | 1/2          | 5/16       | 40.5 | 20   | 21  | 5.5  |
| E03-C403  | 1/2          | 3/8        | 40.5 | 20   | 21  | 7    |
| E03-C404  | 1/2          | 1/2        | 40.5 | 20   | 21  | 9.5  |
| E03-C405  | 1/2          | 5/8        | 43.5 | 23   | 21  | 12   |
| E03-C406  | 1/2          | 3/4        | 46.5 | 26   | 21  | 15   |
| E03-C408  | 1/2          | 1"         | 50   | 28.5 | 27  | 14   |
| E03-C603  | 3/4          | 3/8        | 42   | 20   | 27  | 7    |
| E03-C604  | 3/4          | 1/2        | 42   | 20   | 27  | 9.5  |
| E03-C605  | 3/4          | 5/8        | 45   | 23   | 27  | 12   |
| E03-C606  | 3/4          | 3/4        | 48   | 26   | 27  | 15   |
| E03-C608  | 3/4          | 1"         | 50.5 | 28.5 | 27  | 19   |
| E03-C804  | 1"           | 1/2        | 45.5 | 20   | 34  | 9.5  |
| E03-C806  | 1"           | 3/4        | 54   | 28.5 | 34  | 15   |
| E03-C808  | 1"           | 1"         | 54   | 28.5 | 34  | 20   |

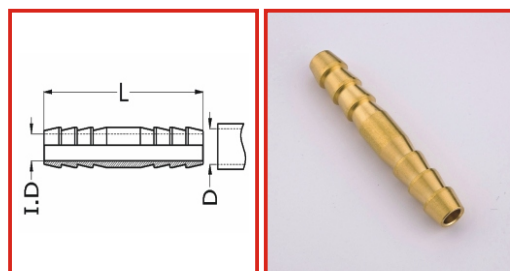


# A/E series Hose Barb Fittings 插心系列

| 產品編號      | 管牙 T          | 適用管徑 D      | L1   | L2   | HEX | I.D |
|-----------|---------------|-------------|------|------|-----|-----|
| PART NO.  | Pipe Thread T | Tube Size D |      |      |     |     |
| E03-C8082 | 1"            | 1"-1/4"     | 54   | 28.5 | 34  | 26  |
| E03-C8084 | 1"            | 1"-1/2"     | 55.5 | 28.5 | 40  | 26  |
| E03-C8206 | 1-1/4"        | 3/4"        | 58   | 28.5 | 42  | 15  |
| E03-C8208 | 1-1/4"        | 1"          | 58   | 28.5 | 42  | 20  |
| E03-C8282 | 1-1/4"        | 1-1/4"      | 58   | 28.5 | 42  | 27  |
| E03-C8284 | 1-1/4"        | 1-1/2"      | 58   | 28.5 | 42  | 32  |
| E03-C8408 | 1-1/2"        | 1"          | 58   | 28.5 | 48  | 20  |
| E03-C8482 | 1-1/2"        | 1-1/4"      | 58   | 28.5 | 48  | 27  |
| E03-C8484 | 1-1/2"        | 1-1/2"      | 58   | 28.5 | 48  | 32  |

## E04

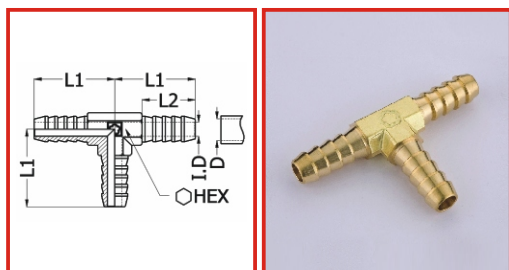
雙頭插心 Union



| 產品編號     | 適用管徑 D      | L    | I.D |
|----------|-------------|------|-----|
| PART NO. | Tube Size D |      |     |
| E04-C15  | 3/16        | 45   | 3   |
| E04-C2   | 1/4         | 45.5 | 4   |
| E04-C25  | 5/16        | 55   | 5.5 |
| E04-C3   | 3/8         | 55   | 7   |
| E04-C4   | 1/2         | 55   | 9.5 |
| E04-C5   | 5/8         | 60   | 12  |
| E04-C6   | 3/4         | 60   | 14  |

## E05

插心三通 Union Hose-Barb Tee

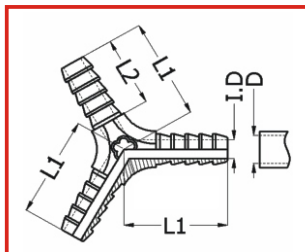


| 產品編號     | 適用管徑 D      | L1   | L2   | I.D |
|----------|-------------|------|------|-----|
| PART NO. | Tube Size D |      |      |     |
| E05-T1   | 1/8         | 21.5 | 14   | 2   |
| E05-T15  | 3/16        | 22   | 14.5 | 3   |
| E05-T2   | 1/4         | 22   | 14.5 | 4   |
| E05-T25  | 5/16        | 29   | 20   | 5.5 |
| E05-T3   | 3/8         | 29   | 20   | 7   |
| E05-T4   | 1/2         | 29   | 20   | 9.5 |
| E05-T5   | 5/8         | 33.5 | 23   | 12  |
| E05-T6   | 3/4         | 35   | 23   | 15  |



## E05

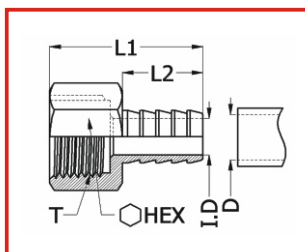
Y 型插心三通 Y-Type Union Hose-Barb



| 產品編號     | 適用管徑 D     | L1   | L2 | I.D |
|----------|------------|------|----|-----|
| PART NO. | TubeSize D |      |    |     |
| E05-Y2   | 1/4        | 29   | 20 | 4   |
| E05-Y25  | 5/16       | 29   | 20 | 5.5 |
| E05-Y3   | 3/8        | 30   | 20 | 7   |
| E05-Y4   | 1/2        | 31   | 20 | 9.5 |
| E05-Y5   | 5/8        | 33.5 | 23 | 12  |

## E08

內牙插心接頭 Female Hose-Barb Connector



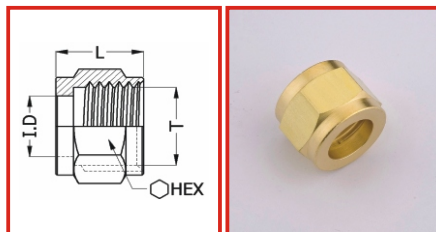
| 產品編號       | 內管牙 T        | 適用管徑 D     | L1 | L2 | HEX | I.D |
|------------|--------------|------------|----|----|-----|-----|
| PART NO.   | PipeThread T | TubeSize D |    |    |     |     |
| E08-CM102  | 1/8          | 1/4        | 32 | 20 | 12  | 4   |
| E08-CM1025 | 1/8          | 5/16       | 32 | 20 | 12  | 5.5 |
| E08-CM103  | 1/8          | 3/8        | 32 | 20 | 12  | 7   |
| E08-CM2015 | 1/4          | 3/16       | 27 | 12 | 17  | 3   |
| E08-CM202  | 1/4          | 1/4        | 35 | 20 | 17  | 4   |
| E08-CM2025 | 1/4          | 5/16       | 35 | 20 | 17  | 5.5 |
| E08-CM203  | 1/4          | 3/8        | 35 | 20 | 17  | 7   |
| E08-CM204  | 1/4          | 1/2        | 35 | 20 | 17  | 9.5 |
| E08-CM302  | 3/8          | 1/4        | 35 | 20 | 21  | 4   |
| E08-CM3025 | 3/8          | 5/16       | 35 | 20 | 21  | 5.5 |
| E08-CM303  | 3/8          | 3/8        | 35 | 20 | 21  | 7   |
| E08-CM304  | 3/8          | 1/2        | 35 | 20 | 21  | 9.5 |
| E08-CM402  | 1/2          | 1/4        | 38 | 20 | 24  | 4   |
| E08-CM4025 | 1/2          | 5/16       | 38 | 20 | 24  | 5.5 |
| E08-CM403  | 1/2          | 3/8        | 38 | 20 | 24  | 7   |
| E08-CM404  | 1/2          | 1/2        | 38 | 20 | 24  | 9.5 |





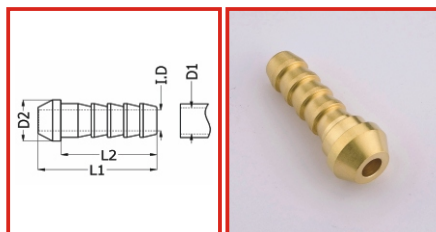
## E10

### 活動帽 Swivel Nut



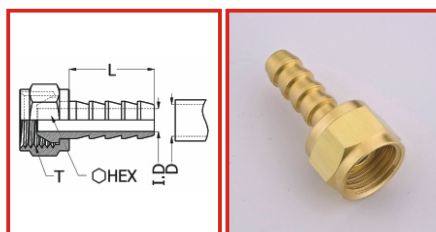
| 產品編號     | 內直牙 T    | L  | HEX | I.D  |
|----------|----------|----|-----|------|
| PART NO. | Thread T |    |     |      |
| E10-00-2 | PS 1/4   | 12 | 15  | 9.2  |
| E10-00-3 | PS 1/4   | 12 | 15  | 10.6 |
| E10-00-4 | PS 1/2   | 17 | 24  | 15.9 |
| E10-00-6 | PS 3/4   | 18 | 32  | 21.5 |

### 活動插心 Swivel Hose Barb



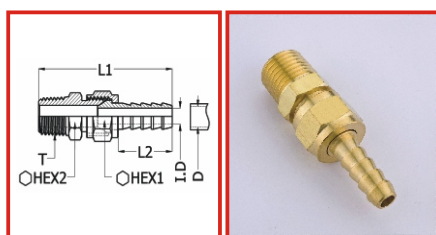
| 產品編號      | 適用管徑 D1     | L1   | L2   | D2   | I.D |
|-----------|-------------|------|------|------|-----|
| PART NO.  | TubeSize D1 |      |      |      |     |
| E10-01-2  | 1/4         | 28.5 | 23   | 11   | 4   |
| E10-01-25 | 5/16        | 28.5 | 23   | 11   | 5.5 |
| E10-01-3  | 3/8         | 28.5 | 23   | 11.5 | 7   |
| E10-01-4  | 1/2         | 30.5 | 22.5 | 18   | 9.5 |
| E10-01-6  | 3/4         | 37.5 | 29   | 23.7 | 15  |

### 活動插心與帽 Swivel Nut & Hose Barb



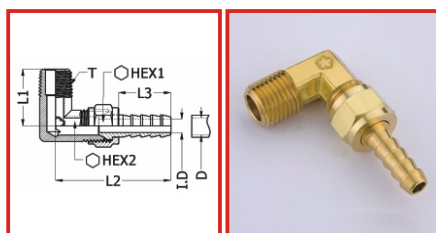
| 產品編號     | 內直牙 T    | 適用管徑 D     | L    | HEX | I.D |
|----------|----------|------------|------|-----|-----|
| PART NO. | Thread T | TubeSize D |      |     |     |
| E10-202  | PS 1/4   | 1/4        | 20.6 | 15  | 4   |
| E10-2025 | PS 1/4   | 5/16       | 20.6 | 15  | 5.5 |
| E10-203  | PS 1/4   | 3/8        | 20.6 | 15  | 7   |
| E10-404  | PS 1/2   | 1/2        | 20   | 24  | 9.5 |
| E10-606  | PS 3/4   | 3/4        | 26   | 32  | 15  |

### 活動插心接頭組 Swivel Connector



| 產品編號      | 管牙 T         | 適用管徑 D     | L1   | L2   | HEX1 | HEX2 | I.D |
|-----------|--------------|------------|------|------|------|------|-----|
| PART NO.  | PipeThread T | TubeSize D |      |      |      |      |     |
| E10-C202  | 1/4          | 1/4        | 51   | 20.6 | 15   | 14   | 4   |
| E10-C2025 | 1/4          | 5/16       | 51   | 20.6 | 15   | 14   | 5.5 |
| E10-C203  | 1/4          | 3/8        | 51.3 | 20.6 | 15   | 14   | 7   |

### 活動插心彎頭組 Swivel Elbow



| 產品編號      | 管牙 T         | 適用管徑 D     | L1   | L2   | L3   | HEX1 | HEX2 | I.D |
|-----------|--------------|------------|------|------|------|------|------|-----|
| PART NO.  | PipeThread T | TubeSize D |      |      |      |      |      |     |
| E10-L202  | 1/4          | 1/4        | 23.5 | 45.5 | 20.6 | 15   | 11   | 4   |
| E10-L2025 | 1/4          | 5/16       | 23.5 | 45.5 | 20.6 | 15   | 11   | 5.5 |
| E10-L203  | 1/4          | 3/8        | 23.5 | 45.5 | 20.6 | 15   | 11   | 7   |

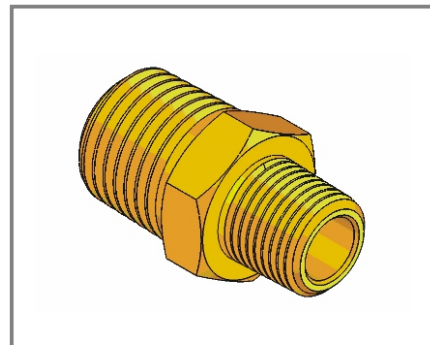
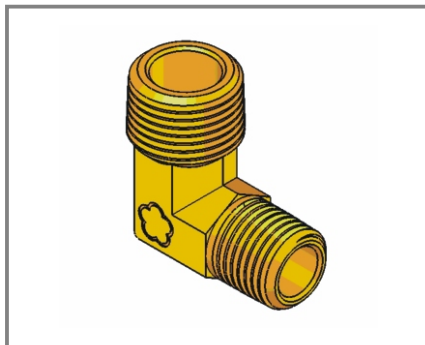
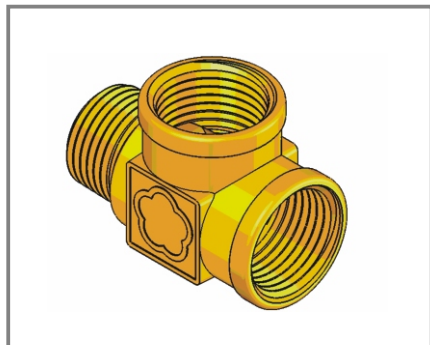


# A/E Pipe Thread Fittings

**A/E series**  
Pipe Thread Fittings  
管牙系列



## A/E Pipe Thread Fittings 管牙系列



### 特點

管牙有BSPT (R) 及NPT兩種。

### 材質

接頭均採用黃銅JIS3604材質加工而成。

彎頭, 三通均採用黃銅JIS3771材質鍛造並加工而成。

### 工作溫度

使用於-54°C~121°C。

### 工作壓力

最大70 bar的壓力使用。

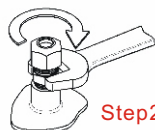
### 組裝步驟

針對接頭

1. 先用手將外螺紋鎖入內螺紋，並盡量旋緊。
2. 使用板手額外地轉緊約2圈。



Step1



Step2

### Characteristic

Pipe thread includes BSPT(R) and NPT

### Material

Connectors are machined from brass JIS3604

Elbows, tees are forged and machined from brass JIS3771

### Working Temperature

From -65°F~250°F

### Working Pressure

1000 PSI maximum

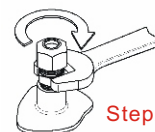
### Assembly Instruction

About connectors

1. Tighten external thread into the internal thread.
2. Tighten an additional 2 revolutions with a wrench



Step1



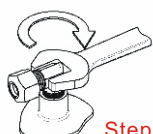
Step2

針對彎頭，三通

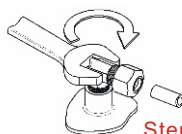
1. 先用手將外螺紋鎖入內螺紋，並盡量旋緊。
2. 使用板手額外地轉緊約1-1/2~2圈。
3. 順時鐘旋轉接頭，轉至管子位置，使能與管子配合。



Step1



Step2



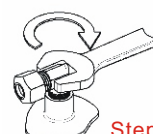
Step3

About elbow, tee

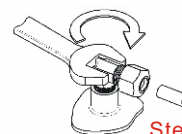
1. Finger tighten external thread into the internal thread.
2. Tighten an additional 1 1/2 to 2 revolutions with a wrench.
3. Tighten fitting, Clockwise, to Align with Tubing(never counter clockwise).



Step1



Step2



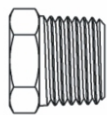
Step3





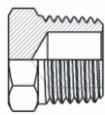
## Adapter

**A08**  
油塞  
Plug



Page A/E 6

**A08**  
油塞  
Plug



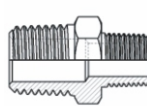
Page A/E 6

**A18**  
油塞  
Plug



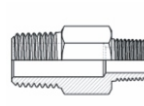
Page A/E 9

**E02**  
雙外牙接頭  
Nipple



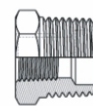
Page A/E 10

**E02**  
加長雙外牙接頭  
Long Nipple



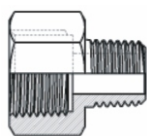
Page A/E 10

**E06**  
卜申  
Bushing



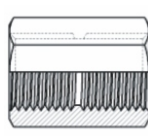
Page A/E 11

**E01**  
內外牙接頭  
Adapter



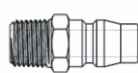
Page A/E 9

**E07**  
雙內牙接頭  
Coupling



Page A/E 11

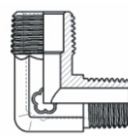
**A16**  
快速接頭  
Quick  
Coupling



Page A/E 8

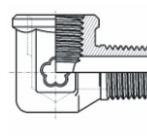
## Elbow

**A02**  
雙外牙彎頭  
Male Elbow



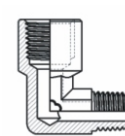
Page A/E 3

**A06**  
內外牙彎頭  
Street Elbow



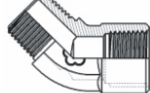
Page A/E 5

**A06**  
內外牙彎頭  
Street Elbow



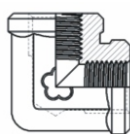
Page A/E 5

**A12**  
45° 內外牙彎頭  
45°  
Street Elbow



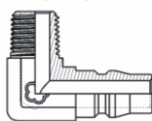
Page A/E 8

**A07**  
雙內牙彎頭  
Union Elbow



Page A/E 5

**A16**  
快速彎頭  
Quick  
Coupling Elbow



Page A/E 8

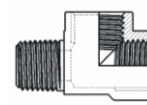
## Tee

**A04**  
外牙三通  
Male Tee



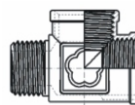
Page A/E 4

**A03**  
內外牙三通  
Street Tee



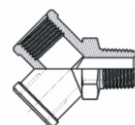
Page A/E 3

**A03 - S**  
內外牙三通  
Street Tee



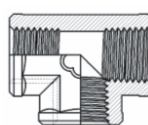
Page A/E 3

**A03 - Y**  
Y 型內外三通  
Y Street Tee



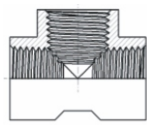
Page A/E 3

**A05**  
內牙三通  
Union Tee



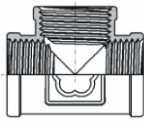
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**A09**  
切料內牙三通  
Union Tee



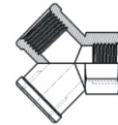
Page A/E 6

**A09 - S**  
內牙三通  
Union Tee



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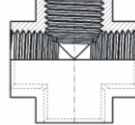
**A05 - Y**  
Y 型內牙三通  
Y Union Tee



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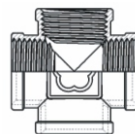
## Cross

**A10**  
內牙四通  
Cross



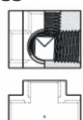
Page A/E 7

**A10 - S**  
內牙四通  
Cross



Page A/E 7

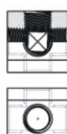
**A16**  
立式內牙四通  
Stand-type  
Cross



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## Five Ways

**A11**  
內牙五通  
Five-Ways



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**A11 - S**  
內牙五通  
Five-Ways



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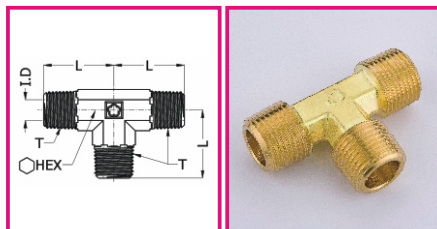






## A04

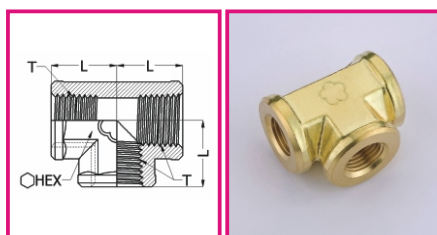
外牙三通 Male Tee



| 產品編號     | 管牙 T         | L    | HEX | I.D |
|----------|--------------|------|-----|-----|
| PART NO. | PipeThread T |      |     |     |
| A04-T1   | 1/8          | 18   | 9.5 | 5.5 |
| A04-T2   | 1/4          | 21.5 | 11  | 7   |
| A04-T3   | 3/8          | 25   | 12  | 8   |
| A04-T4   | 1/2          | 30   | 15  | 11  |

## A05

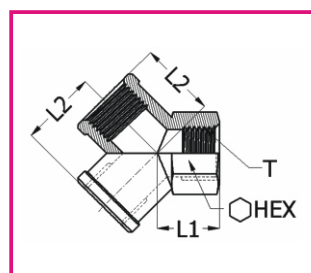
內牙三通 Union Tee



| 產品編號     | 內管牙 T        | L    | HEX  | I.D  |
|----------|--------------|------|------|------|
| PART NO. | PipeThread T |      |      |      |
| A05-T1   | 1/8          | 13.5 | 14.5 | 8.2  |
| A05-T2   | 1/4          | 17   | 17   | 11.2 |
| A05-T3   | 3/8          | 18.5 | 20   | 14.8 |
| A05-T4   | 1/2          | 24.5 | 25   | 18.5 |

## A05-Y

內牙 Y 型三通 Y type Union Tee

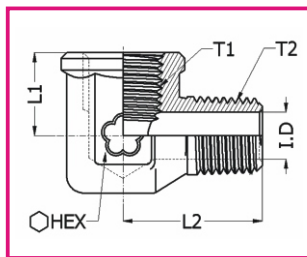


| 產品編號     | 內管牙 T        | L1   | L2   | HEX |
|----------|--------------|------|------|-----|
| PART NO. | PipeThread T |      |      |     |
| A05-Y1   | 1/8          | 11.3 | 13.9 | 13  |
| A05-Y2   | 1/4          | 14   | 17.2 | 17  |
| A05-Y3   | 3/8          | 17   | 18.3 | 20  |
| A05-Y4   | 1/2          | 17.7 | 25.6 | 25  |

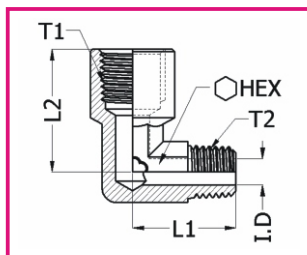


## A06

內外牙彎頭 Street Elbow



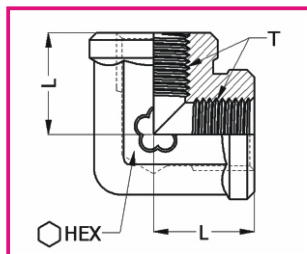
| 產品編號     | 內管牙 T1        | 管牙 T2         | L1   | L2   | HEX  | I.D  |
|----------|---------------|---------------|------|------|------|------|
| PART NO. | PipeThread T1 | PipeThread T2 |      |      |      |      |
| A06-L101 | 1/8           | 1/8           | 15.5 | 19.5 | 14   | 5.5  |
| A06-L102 | 1/8           | 1/4           | 13.5 | 23.5 | 17.5 | 8    |
| A06-L201 | 1/4           | 1/8           | 14.5 | 21   | 17.5 | 5.5  |
| A06-L202 | 1/4           | 1/4           | 14.5 | 24   | 17   | 8    |
| A06-S203 | 1/4           | 3/8           | 15.5 | 27.5 | 21   | 10.5 |
| A06-S301 | 3/8           | 1/8           | 15.5 | 24   | 21   | 5.5  |
| A06-S302 | 3/8           | 1/4           | 15.5 | 27   | 21   | 8    |
| A06-S303 | 3/8           | 3/8           | 15.5 | 27.5 | 21   | 10.5 |
| A06-S304 | 3/8           | 1/2           | 18.5 | 33   | 24   | 13   |
| A06-S403 | 1/2           | 3/8           | 18.5 | 28.5 | 24   | 10.5 |
| A06-S404 | 1/2           | 1/2           | 18.5 | 33   | 24   | 13   |



| 產品編號     | 內管牙 T1        | 管牙 T2         | L1   | L2 | HEX | I.D |
|----------|---------------|---------------|------|----|-----|-----|
| PART NO. | PipeThread T1 | PipeThread T2 |      |    |     |     |
| A06-L1   | 1/8           | 1/8           | 22.5 | 20 | 11  | 5.5 |
| A06-L2   | 1/4           | 1/4           | 27   | 24 | 13  | 8   |
| A06-2-3  | 1/4           | 3/8           | 28   | 26 | 13  | 9   |

## A07

內牙彎頭 Union Elbow

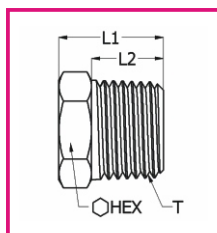


| 產品編號     | 內管牙 T        | L    | HEX  | I.D  |
|----------|--------------|------|------|------|
| PART NO. | PipeThread T |      |      |      |
| A07-L101 | 1/8          | 14   | 14.5 | 8.2  |
| A07-L202 | 1/4          | 17   | 17   | 11.2 |
| A07-L303 | 3/8          | 18   | 20.5 | 14.8 |
| A07-L404 | 1/2          | 23.5 | 24   | 18.5 |

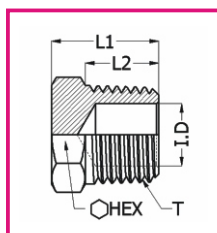


## A08

油塞 Plug



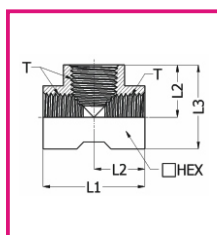
| 產品編號     | 管牙 T         | L1   | L2   | HEX |
|----------|--------------|------|------|-----|
| PART NO. | PipeThread T |      |      |     |
| A08-1-1  | 1/8          | 14   | 9    | 10  |
| A08-2-1  | 1/4          | 17   | 12   | 14  |
| A08-3-1  | 3/8          | 17   | 12   | 17  |
| A08-4-1  | 1/2          | 21   | 15   | 21  |
| A08-6-1  | 3/4          | 22   | 15   | 27  |
| A08-8-1  | 1"           | 25.5 | 17.5 | 34  |



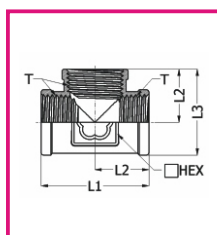
| 產品編號     | 管牙 T         | L1   | L2   | HEX | I.D. |
|----------|--------------|------|------|-----|------|
| PART NO. | PipeThread T |      |      |     |      |
| A08-1    | 1/8          | 14   | 9    | 10  | 5.5  |
| A08-2    | 1/4          | 17   | 12   | 14  | 8    |
| A08-3    | 3/8          | 17   | 12   | 17  | 10.5 |
| A08-4    | 1/2          | 21   | 15   | 21  | 13   |
| A08-6    | 3/4          | 22   | 15   | 27  | 19.5 |
| A08-8    | 1"           | 25.5 | 17.5 | 34  | 26   |

## A09

內牙三通 Union Tee



| 產品編號     | 內管牙 T        | L1 | L2 | L3   | HEX | I.D. |
|----------|--------------|----|----|------|-----|------|
| PART NO. | PipeThread T |    |    |      |     |      |
| A09-T1   | 1/8          | 26 | 13 | 20   | 14  | 8.2  |
| A09-T2   | 1/4          | 30 | 15 | 24   | 18  | 11.2 |
| A09-T3   | 3/8          | 40 | 20 | 29.5 | 21  | 14.8 |

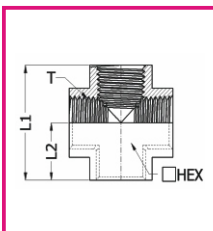


| 產品編號     | 內管牙 T        | L1   | L2   | L3 | HEX  | I.D. |
|----------|--------------|------|------|----|------|------|
| PART NO. | PipeThread T |      |      |    |      |      |
| A09-S1   | 1/8          | 27   | 13.5 | 20 | 13   | 8.2  |
| A09-S2   | 1/4          | 29.5 | 14.8 | 23 | 17   | 11.2 |
| A09-S3   | 3/8          | 35   | 17.5 | 28 | 21   | 14.8 |
| A09-S4   | 1/2          | 43   | 21.5 | 34 | 25.4 | 18.5 |

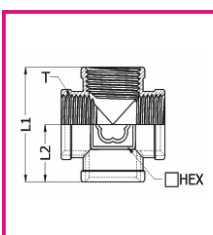


## A10

內牙四通 Cross



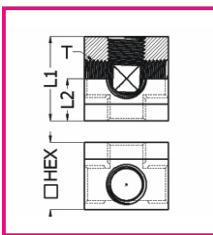
| 產品編號     | 內管牙 T        | L1   | L2   | HEX | I.D  |
|----------|--------------|------|------|-----|------|
| PART NO. | PipeThread T |      |      |     |      |
| A10-1    | 1/8          | 26.5 | 13.3 | 14  | 8.2  |
| A10-2    | 1/4          | 30   | 15   | 18  | 11.2 |
| A10-3    | 3/8          | 40   | 20   | 21  | 14.8 |



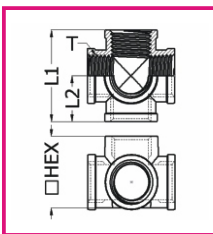
| 產品編號     | 內管牙 T        | L1 | L2   | HEX  | I.D  |
|----------|--------------|----|------|------|------|
| PART NO. | PipeThread T |    |      |      |      |
| A10-S1   | 1/8          | 26 | 13   | 13   | 8.2  |
| A10-S2   | 1/4          | 30 | 15   | 17   | 11.2 |
| A10-S3   | 3/8          | 36 | 18   | 21   | 14.8 |
| A10-S4   | 1/2          | 43 | 21.5 | 25.4 | 18.5 |

## A11

內牙五通 Union Five-ways



| 產品編號     | 內管牙 T        | L1 | L2 | HEX | I.D  |
|----------|--------------|----|----|-----|------|
| PART NO. | PipeThread T |    |    |     |      |
| A11-2    | 1/4          | 30 | 15 | 24  | 11.2 |



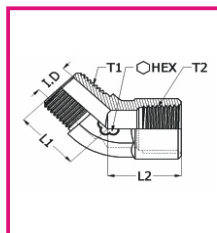
| 產品編號     | 內管牙 T        | L1 | L2 | HEX  | I.D  |
|----------|--------------|----|----|------|------|
| PART NO. | PipeThread T |    |    |      |      |
| A11-S2   | 1/4          | 30 | 15 | 23.5 | 11.2 |





## A12

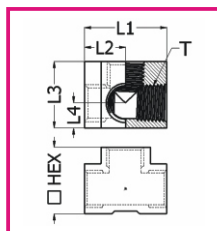
45°內外彎頭 45° Street Elbow



| 產品編號     | 管牙 T1         | 內管牙 T2        | L1   | L2   | HEX  | I.D |
|----------|---------------|---------------|------|------|------|-----|
| PART NO. | PipeThread T1 | PipeThread T2 |      |      |      |     |
| A12-1    | 1/8           | 1/8           | 16   | 18.5 | 11   | 5.5 |
| A12-2    | 1/4           | 1/4           | 21.5 | 20   | 18.5 | 8   |

## A16

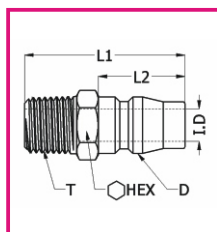
立型四通 Stand-type Cross



| 產品編號     | 內管牙 T        | L1 | L2 | L3 | L4 | HEX |
|----------|--------------|----|----|----|----|-----|
| PART NO. | PipeThread T |    |    |    |    |     |
| A16-2    | 1/4          | 30 | 15 | 24 | 9  | 24  |

## A16

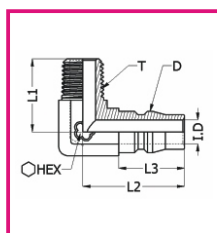
快速接頭 Quick Coupling Connector



| 產品編號     | 管牙 T         | L1 | L2 | D    | HEX | I.D |
|----------|--------------|----|----|------|-----|-----|
| PART NO. | PipeThread T |    |    |      |     |     |
| A16-C2   | 1/4          | 37 | 20 | 13.1 | 14  | 7.5 |

## A16

快速彎頭 Quick Coupling Elbow

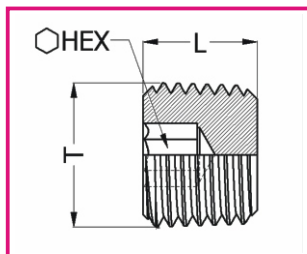


| 產品編號     | 管牙 T         | L1 | L2   | L3 | D    | HEX | I.D |
|----------|--------------|----|------|----|------|-----|-----|
| PART NO. | PipeThread T |    |      |    |      |     |     |
| A16-L2   | 1/4          | 23 | 30.5 | 20 | 13.1 | 13  | 7.5 |



## A18

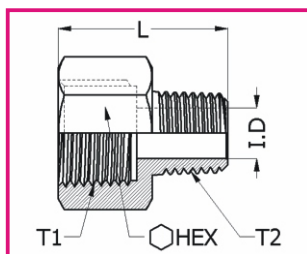
內六角油塞 **Hollow Hex head Plug**



| 產品編號     | 管牙 T         | L    | HEX |
|----------|--------------|------|-----|
| PART NO. | PipeThread T |      |     |
| A18-1    | 1/8          | 8    | 5   |
| A18-2    | 1/4          | 11.5 | 6   |
| A18-3    | 3/8          | 11.5 | 8   |
| A18-4    | 1/2          | 15.5 | 10  |

## E01

內外牙接頭 **Adapter**

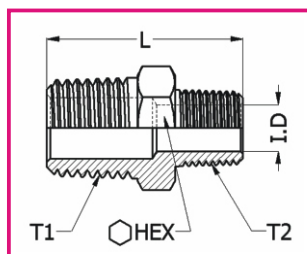


| 產品編號     | 內管牙 T1        | 管牙 T2         | L    | HEX | I.D. |
|----------|---------------|---------------|------|-----|------|
| PART NO. | PipeThread T1 | PipeThread T2 |      |     |      |
| E01-C101 | 1/8           | 1/8           | 21   | 12  | 5.5  |
| E01-C102 | 1/8           | 1/4           | 24   | 14  | 8.5  |
| E01-C103 | 1/8           | 3/8           | 22   | 17  | 8.5  |
| E01-C201 | 1/4           | 1/8           | 24   | 17  | 5.5  |
| E01-C202 | 1/4           | 1/4           | 27   | 17  | 8    |
| E01-C203 | 1/4           | 3/8           | 27   | 17  | 11.5 |
| E01-C204 | 1/4           | 1/2           | 29.5 | 21  | 11.5 |
| E01-C301 | 3/8           | 1/8           | 24   | 21  | 5.5  |
| E01-C302 | 3/8           | 1/4           | 27   | 21  | 8    |
| E01-C303 | 3/8           | 3/8           | 27   | 21  | 10.5 |
| E01-C304 | 3/8           | 1/2           | 29.5 | 21  | 15   |
| E01-C402 | 1/2           | 1/4           | 30   | 24  | 8    |
| E01-C403 | 1/2           | 3/8           | 30   | 24  | 10.5 |
| E01-C404 | 1/2           | 1/2           | 32.5 | 24  | 14   |



## E02

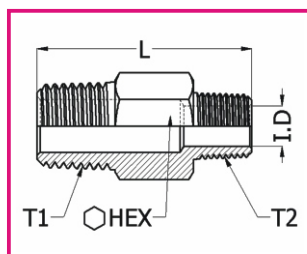
### 雙外牙接頭 Nipple



| 產品編號      | 管牙 T1         | 管牙 T2         | L    | HEX | I.D  |
|-----------|---------------|---------------|------|-----|------|
| PART NO.  | PipeThread T1 | PipeThread T2 |      |     |      |
| E02-C101  | 1/8           | 1/8           | 23   | 10  | 6    |
| E02-C201  | 1/4           | 1/8           | 26   | 14  | 5.5  |
| E02-C202  | 1/4           | 1/4           | 29   | 14  | 8    |
| E02-C301  | 3/8           | 1/8           | 26   | 17  | 5.5  |
| E02-C302  | 3/8           | 1/4           | 29   | 17  | 8    |
| E02-C303  | 3/8           | 3/8           | 29   | 17  | 10.5 |
| E02-C401  | 1/2           | 1/8           | 29.5 | 21  | 5.5  |
| E02-C402  | 1/2           | 1/4           | 32.5 | 21  | 8    |
| E02-C403  | 1/2           | 3/8           | 32.5 | 21  | 10.5 |
| E02-C404  | 1/2           | 1/2           | 35   | 21  | 14   |
| E02-C602  | 3/4           | 1/4           | 34   | 27  | 8    |
| E02-C603  | 3/4           | 3/8           | 34   | 27  | 10.5 |
| E02-C604  | 3/4           | 1/2           | 36.5 | 27  | 14   |
| E02-C606  | 3/4           | 3/4           | 37   | 27  | 19   |
| E02-C804  | 1"            | 1/2           | 40   | 34  | 14   |
| E02-C806  | 1"            | 3/4           | 40.5 | 34  | 19   |
| E02-C808  | 1"            | 1"            | 43   | 34  | 24   |
| E02-C8282 | 1-1/4"        | 1-1/4"        | 46   | 42  | 32   |

## E02

### 加長型雙外牙接頭 Long Nipple

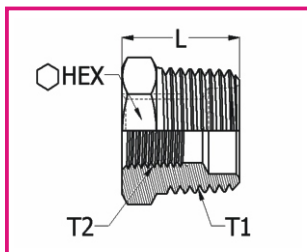


| 產品編號       | 管牙 T1         | 管牙 T2         | L  | HEX | I.D |
|------------|---------------|---------------|----|-----|-----|
| PART NO.   | PipeThread T1 | PipeThread T2 |    |     |     |
| E02-2-2-40 | 1/4           | 1/4           | 40 | 14  | 8   |
| E02-2-2-43 | 1/4           | 1/4           | 43 | 14  | 8   |



## E06

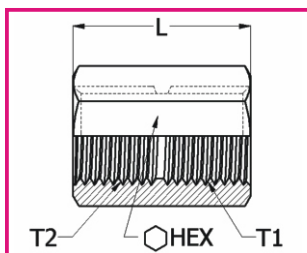
### 卜申 Bushing



| 產品編號     | 管牙 T1         | 內管牙 T2        | L  | HEX |
|----------|---------------|---------------|----|-----|
| PART NO. | PipeThread T1 | PipeThread T2 |    |     |
| E06-C201 | 1/4           | 1/8           | 17 | 14  |
| E06-C301 | 3/8           | 1/8           | 17 | 17  |
| E06-C302 | 3/8           | 1/4           | 17 | 17  |
| E06-C401 | 1/2           | 1/8           | 21 | 21  |
| E06-C402 | 1/2           | 1/4           | 21 | 21  |
| E06-C403 | 1/2           | 3/8           | 21 | 21  |
| E06-C602 | 3/4           | 1/4           | 22 | 27  |
| E06-C603 | 3/4           | 3/8           | 22 | 27  |
| E06-C604 | 3/4           | 1/2           | 22 | 27  |
| E06-C802 | 1"            | 1/4           | 26 | 34  |
| E06-C803 | 1"            | 3/8           | 26 | 34  |
| E06-C804 | 1"            | 1/2           | 26 | 34  |
| E06-C806 | 1"            | 3/4           | 26 | 34  |

## E07

### 雙內牙接頭 Coupling



| 產品編號     | 內管牙 T1        | 內管牙 T2        | L  | HEX |
|----------|---------------|---------------|----|-----|
| PART NO. | PipeThread T1 | PipeThread T2 |    |     |
| E07-C101 | 1/8           | 1/8           | 20 | 12  |
| E07-C201 | 1/4           | 1/8           | 23 | 17  |
| E07-C202 | 1/4           | 1/4           | 25 | 17  |
| E07-C301 | 3/8           | 1/8           | 23 | 21  |
| E07-C302 | 3/8           | 1/4           | 25 | 21  |
| E07-C303 | 3/8           | 3/8           | 25 | 21  |
| E07-C401 | 1/2           | 1/8           | 26 | 24  |
| E07-C402 | 1/2           | 1/4           | 28 | 24  |
| E07-C403 | 1/2           | 3/8           | 28 | 24  |
| E07-C404 | 1/2           | 1/2           | 31 | 24  |
| E07-C603 | 3/4           | 3/8           | 31 | 30  |
| E07-C604 | 3/4           | 1/2           | 32 | 30  |
| E07-C606 | 3/4           | 3/4           | 33 | 30  |





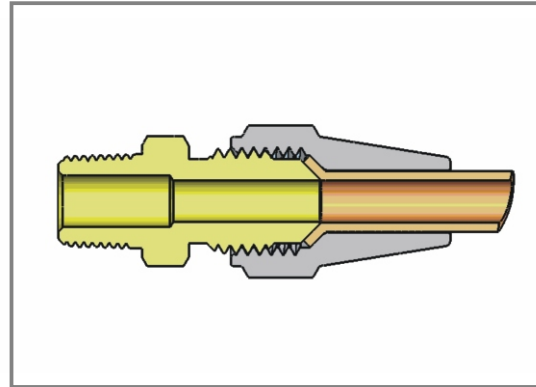
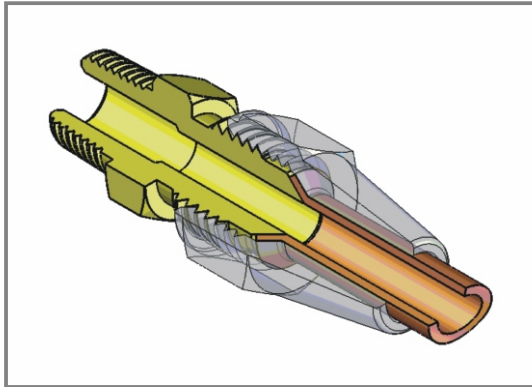
# H 45° Flared Fittings

**H series**  
45° Flared Fittings  
45° 喇叭口系列



# H 45° Flared Fittings 45° 喇叭口系列

## H 45° Flared Fittings 45° 喇叭口系列



### 特點

應用於液態流體或瓦斯之傳遞。  
使用紅銅、黃銅、鋁及焊接油壓鋼管等可以進行擴孔的管類。  
這類接頭可抵抗機械性外拉力，而且可以重複拆裝。

### 材質

接頭、螺帽均採用黃銅JIS3604材質加工而成。  
彎頭、三通均採用黃銅JIS3771材質鍛造並加工而成。

### 工作溫度

使用於-53°C~ 121°C。

### 工作壓力

在室溫20°C的情況下使用紅銅管

|           |        |
|-----------|--------|
| O.D. 1/8" | 175Bar |
| O.D. 1/4" | 100Bar |
| O.D. 3/8" | 70Bar  |
| O.D. 1/2" | 50Bar  |
| O.D. 5/8" | 40Bar  |
| O.D. 3/4" | 35Bar  |
| O.D. 7/8" | 30Bar  |

### 組裝步驟

1. 正交的剪切管到所需長度，並清除管子毛邊。
2. 先將螺帽穿過管，螺帽的螺紋端要朝外側。
3. 使用擴孔工具將管子端面擴孔成45°喇叭狀。
4. 先用手旋緊螺帽與主體，將喇叭狀之管端夾壓於其中，然後再用扳手順時鐘旋緊1/4圈，即達金屬對金屬之緊密配合，組裝完成。

### Characteristic

Use for hard-to-hold liquids and gases.  
Use with copper, brass, aluminum and welded steel hydraulic tubing that can be flared. Can resist mechanical pullout.  
Can be assembled and disassembled repeatedly.

### Material

All connector, nut are machined from brass JIS3604  
All elbow, tee are forged and machined from brass JIS3771

### Working Temperature

From -65°F~250°F

### Working Pressure

With copper tubing under 68° F temperature

|           |         |
|-----------|---------|
| O.D. 1/8" | 2500PSI |
| O.D. 1/4" | 1500PSI |
| O.D. 3/8" | 1000PSI |
| O.D. 1/2" | 750PSI  |
| O.D. 5/8" | 600PSI  |
| O.D. 3/4" | 500PSI  |
| O.D. 7/8" | 400PSI  |

### Assembly Instruction

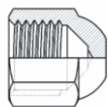
1. Cut tubing squarely and clean tube end to remove burrs.
2. Slide nut onto tubing, place threaded end of nut face out.
3. Flare tube end with flaring tool to provide 45° flare.
4. Clamp tube flare between nut and nose of fitting body by screwing nut on finger-tight.  
Tighten with a wrench an additional 1/4 turn for a metal-to-metal seal.





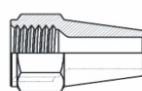
## Adapter

**H00**  
螺帽蓋  
Cap Nut



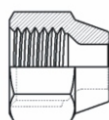
Page H 3

**H01-L**  
長螺帽  
Long Nut



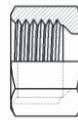
Page H 4

**H01**  
螺帽  
Nut



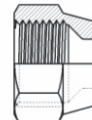
Page H 3

**H01-0**  
平口螺帽  
Short Nut



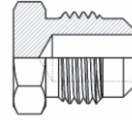
Page H 3

**H01**  
減壓螺帽  
Reduce Nut



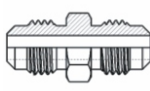
Page H 4

**H13**  
喇叭油塞  
Flared Plug



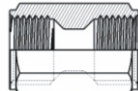
Page H 11

**H06**  
由任接頭  
Union



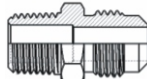
Page H 8

**H12**  
由任內接頭  
Flared Union



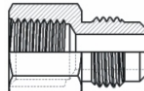
Page H 11

**H02**  
外牙接頭  
Male Connector



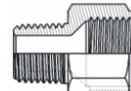
Page H 5

**H09**  
內牙接頭  
Female Connector



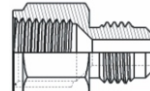
Page H 10

**H10**  
外牙內喇叭接頭  
Male to Female Flared



Page H 10

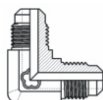
**H11**  
內外喇叭接頭  
Reducing Connector



Page H 11

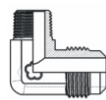
## Elbow

**H07**  
由任彎頭  
Union Elbow



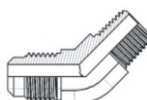
Page H 9

**H03**  
外牙彎頭  
Male Elbow



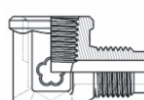
Page H 6

**H14**  
45° 外牙彎頭  
45° Male Elbow



Page H 12

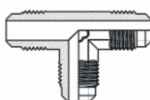
**H15**  
內牙彎頭  
Female Elbow



Page H 12

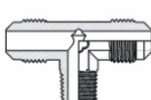
## Tee

**H08**  
由任三通  
Union Tee



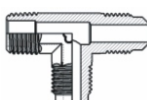
Page H 9

**H04**  
牙中三通  
Branch Tee



Page H 7

**H05**  
牙邊三通  
Run Tee



Page H 8

A / E  
Pipe Fittings

A / E  
Hose Barb

H  
45° Flared

S  
Compression

S B  
Bite Type

N  
Fast-In Fittings

N F  
Ferrule Quick

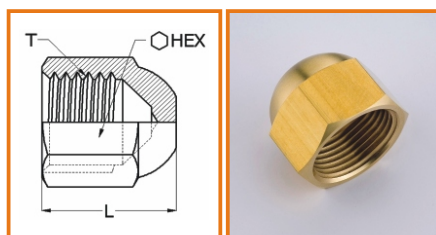
P  
Push-In Fittings

V  
Valves



## H00

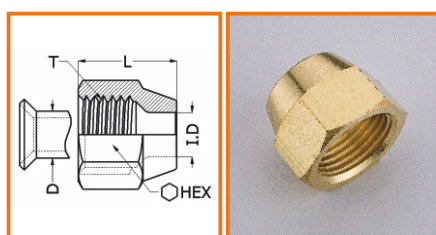
螺帽蓋 Cap Nut



| 產品編號     | 直牙 T      | L    | HEX |
|----------|-----------|------|-----|
| PART NO. | Thread T  |      |     |
| H00-15   | 3/8-24    | 12.5 | 11  |
| H00-2    | 7/16-20   | 14   | 14  |
| H00-25   | 1/2-20    | 14.5 | 16  |
| H00-3    | 9/16-18   | 15.5 | 19  |
| H00-3-1  | 5/8-18    | 17   | 19  |
| H00-4    | 3/4-16    | 20.5 | 24  |
| H00-5    | 7/8-14    | 22   | 27  |
| H01-6    | 1"1/16-14 | 23.5 | 32  |

## H01

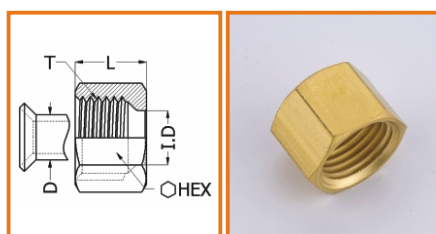
螺帽 Nut



| 產品編號     | 適用管徑 D     | 直牙 T      | L    | HEX | I.D  |
|----------|------------|-----------|------|-----|------|
| PART NO. | TubeSize D | Thread T  |      |     |      |
| H01-15   | 3/16       | 3/8-24    | 13.5 | 11  | 4.95 |
| H01-2    | 1/4        | 7/16-20   | 14.5 | 14  | 6.6  |
| H01-25   | 5/16       | 1/2-20    | 14.5 | 16  | 8.2  |
| H01-3    | 3/8        | 9/16-18   | 16   | 19  | 9.8  |
| H01-3-1  | 3/8        | 5/8-18    | 17.7 | 19  | 9.8  |
| H01-4    | 1/2        | 3/4-16    | 21   | 24  | 13   |
| H01-5    | 5/8        | 7/8-14    | 22   | 27  | 16.2 |
| H01-6    | 3/4        | 1"1/16-14 | 25   | 32  | 19.3 |

## H01-0

平口螺帽 Short Nut



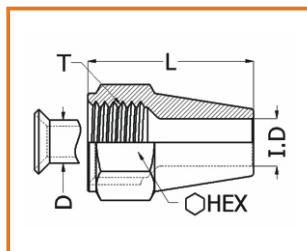
| 產品編號     | 適用管徑 D     | 直牙 T     | L    | HEX | I.D  |
|----------|------------|----------|------|-----|------|
| PART NO. | TubeSize D | Thread T |      |     |      |
| H01-15-0 | 3/16       | 3/8-24   | 11.5 | 11  | 4.95 |
| H01-2-0  | 1/4        | 7/16-20  | 11.5 | 14  | 6.7  |
| H01-3-0  | 3/8        | 9/16-18  | 12.7 | 17  | 9.8  |
| H01-4-0  | 1/2        | 3/4-16   | 20   | 23  | 13.2 |





## H01-L

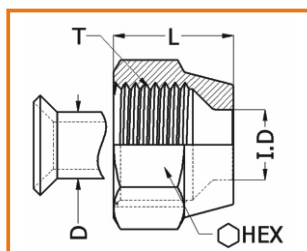
長螺帽 Long Nut



| 產品編號     | 適用管徑 D     | 直牙        | L    | HEX | I.D  |
|----------|------------|-----------|------|-----|------|
| PART NO. | TubeSize D | Thread T  |      |     |      |
| H01-15L  | 3/16       | 3/8-24    | 20.5 | 11  | 4.95 |
| H01-2L   | 1/4        | 7/16-20   | 23.5 | 14  | 6.6  |
| H01-25L  | 5/16       | 1/2-20    | 23.5 | 16  | 8.2  |
| H01-3-1L | 3/8        | 5/8-18    | 26.5 | 19  | 9.8  |
| H01-4L   | 1/2        | 3/4-16    | 30   | 24  | 13   |
| H01-5L   | 5/8        | 7/8-14    | 34.5 | 27  | 16.2 |
| H01-6L   | 3/4        | 1"1/16-14 | 39   | 32  | 19.3 |

## H01

減壓螺帽 Reducing Nut



| 產品編號      | 適用管徑 D     | 直牙 T      | L    | HEX | I.D  |
|-----------|------------|-----------|------|-----|------|
| PART NO.  | TubeSize D | Thread T  |      |     |      |
| H01-302-1 | 3/8 to 1/4 | 5/8-18    | 17.7 | 19  | 6.6  |
| H01-403   | 1/2 to 3/8 | 3/4-16    | 21   | 24  | 9.8  |
| H01-504   | 5/8 to 1/2 | 7/8-14    | 22   | 27  | 13   |
| H01-605   | 3/4 to 5/8 | 1"1/16-14 | 25   | 32  | 16.2 |

A / E  
Pipe Fittings

A / E  
Hose Barb

H  
45° Flared

S  
Compression

S B  
Bite Type

N  
Fast-In Fittings

N F  
Ferrule Quick

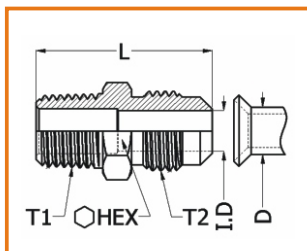
P  
Push-In Fittings

V  
Valves



## H02

外牙接頭 Male Connector

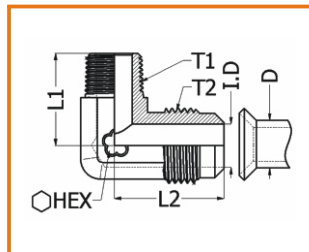


| 產品編號       | 管牙 T1         | 適用管徑 D     | 直牙 T2     | L    | HEX | I.D  |
|------------|---------------|------------|-----------|------|-----|------|
| PART NO.   | PipeThread T1 | TubeSize D | Thread T2 |      |     |      |
| H02-C102   | 1/8           | 1/4        | 7/16-20   | 26   | 12  | 4.8  |
| H02-C1025  | 1/8           | 5/16       | 1/2-20    | 27   | 13  | 5.5  |
| H02-C103-1 | 1/8           | 3/8        | 5/8-18    | 29   | 17  | 5.5  |
| H02-C202   | 1/4           | 1/4        | 7/16-20   | 29   | 14  | 4.8  |
| H02-C2025  | 1/4           | 5/16       | 1/2-20    | 30   | 14  | 5.5  |
| H02-C203   | 1/4           | 3/8        | 9/16-18   | 31   | 15  | 7.2  |
| H02-C203-1 | 1/4           | 3/8        | 5/8-18    | 32   | 17  | 7.2  |
| H02-C204   | 1/4           | 1/2        | 3/4-16    | 36   | 21  | 8.0  |
| H02-C205   | 1/4           | 5/8        | 7/8-14    | 37   | 23  | 8.0  |
| H02-C302   | 3/8           | 1/4        | 7/16-20   | 29   | 17  | 4.8  |
| H02-C3025  | 3/8           | 5/16       | 1/2-20    | 30   | 17  | 5.5  |
| H02-C303   | 3/8           | 3/8        | 9/16-18   | 31   | 17  | 7.2  |
| H02-C303-1 | 3/8           | 3/8        | 5/8-18    | 32   | 17  | 7.2  |
| H02-C304   | 3/8           | 1/2        | 3/4-16    | 36   | 21  | 10.3 |
| H02-C305   | 3/8           | 5/8        | 7/8-14    | 37   | 23  | 10.5 |
| H02-C402   | 1/2           | 1/4        | 7/16-20   | 33   | 21  | 4.8  |
| H02-C4025  | 1/2           | 5/16       | 1/2-20    | 34   | 21  | 5.5  |
| H02-C403   | 1/2           | 3/8        | 9/16-18   | 35   | 21  | 7.2  |
| H02-C403-1 | 1/2           | 3/8        | 5/8-18    | 35.5 | 21  | 7.2  |
| H02-C404   | 1/2           | 1/2        | 3/4-16    | 38.5 | 21  | 10.3 |
| H02-C405   | 1/2           | 5/8        | 7/8-14    | 39.5 | 23  | 12.7 |
| H02-C603-1 | 3/4           | 3/8        | 5/8-18    | 38   | 27  | 7.2  |
| H02-C604   | 3/4           | 1/2        | 3/4-16    | 40   | 27  | 10.3 |
| H02-C605   | 3/4           | 5/8        | 7/8-14    | 41   | 27  | 12.7 |
| H02-C606   | 3/4           | 3/4        | 1"1/16-14 | 43   | 27  | 15.9 |



## H03

### 外牙彎頭 Male Elbow

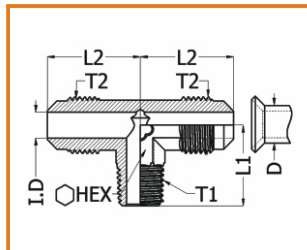


| 產品編號       | 管牙 T1         | 適用管徑 D     | 直牙 T2     | L1   | L2   | HEX | I.D  |
|------------|---------------|------------|-----------|------|------|-----|------|
| PART NO.   | PipeThread T1 | TubeSize D | Thread T2 |      |      |     |      |
| H03-L1015  | 1/8           | 3/16       | 3/8-24    | 18   | 21   | 9.5 | 3.2  |
| H03-L102   | 1/8           | 1/4        | 7/16-20   | 18   | 21.5 | 9.5 | 4.8  |
| H03-L1025  | 1/8           | 5/16       | 1/2-20    | 20   | 23.5 | 11  | 5.5  |
| H03-L103   | 1/8           | 3/8        | 9/16-18   | 20.5 | 25.5 | 13  | 5.5  |
| H03-L103-1 | 1/8           | 3/8        | 5/8-18    | 20.5 | 26.5 | 13  | 5.5  |
| H03-L104   | 1/8           | 1/2        | 3/4-16    | 23   | 30   | 13  | 5.5  |
| H03-L202   | 1/4           | 1/4        | 7/16-20   | 23.5 | 23   | 11  | 4.8  |
| H03-L2025  | 1/4           | 5/16       | 1/2-20    | 24   | 24.5 | 13  | 5.5  |
| H03-L203   | 1/4           | 3/8        | 9/16-18   | 25.5 | 24   | 13  | 7.2  |
| H03-L203-1 | 1/4           | 3/8        | 5/8-18    | 24   | 26.5 | 13  | 7.2  |
| H03-L204   | 1/4           | 1/2        | 3/4-16    | 25.5 | 30   | 13  | 8.0  |
| H03-L205   | 1/4           | 5/8        | 7/8-14    | 27   | 32   | 17  | 8.0  |
| H03-L302   | 3/8           | 1/4        | 7/16-20   | 24   | 23   | 11  | 4.8  |
| H03-L3025  | 3/8           | 5/16       | 1/2-20    | 25   | 24.5 | 13  | 5.5  |
| H03-L303   | 3/8           | 3/8        | 9/16-18   | 25   | 25.5 | 13  | 7.2  |
| H03-L303-1 | 3/8           | 3/8        | 5/8-18    | 26   | 27   | 13  | 7.2  |
| H03-L304   | 3/8           | 1/2        | 3/4-16    | 25.5 | 30   | 13  | 9.0  |
| H03-L305   | 3/8           | 5/8        | 7/8-14    | 27   | 32   | 17  | 10.5 |
| H03-L402   | 1/2           | 1/4        | 7/16-20   | 31.5 | 28.5 | 15  | 4.8  |
| H03-L4025  | 1/2           | 5/16       | 1/2-20    | 31.5 | 29   | 15  | 5.5  |
| H03-L403   | 1/2           | 3/8        | 9/16-18   | 31   | 30   | 15  | 7.2  |
| H03-L403-1 | 1/2           | 3/8        | 5/8-18    | 31.5 | 31   | 15  | 7.2  |
| H03-L404   | 1/2           | 1/2        | 3/4-16    | 31.5 | 32   | 15  | 10.3 |
| H03-L405   | 1/2           | 5/8        | 7/8-14    | 32   | 32   | 17  | 12.7 |
| H03-L604   | 3/4           | 1/2        | 3/4-16    | 34   | 35   | 21  | 10.3 |
| H03-L605   | 3/4           | 5/8        | 7/8-14    | 34   | 35   | 21  | 12.7 |
| H03-L606   | 3/4           | 3/4        | 1"1/16-14 | 34   | 36   | 21  | 15.9 |



## H04

### 牙中三通 Male Branch Tee



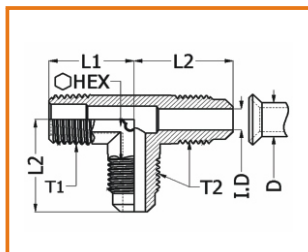
| 產品編號       | 管牙 T1         | 適用管徑 D     | 直牙 T2     | L1   | L2   | HEX | I.D  |
|------------|---------------|------------|-----------|------|------|-----|------|
| PART NO.   | PipeThread T1 | TubeSize D | Thread T2 |      |      |     |      |
| H04-T102   | 1/8           | 1/4        | 7/16-20   | 18.5 | 22.5 | 9.5 | 4.8  |
| H04-T202   | 1/4           | 1/4        | 7/16-20   | 24.5 | 22   | 10  | 4.8  |
| H04-T2025  | 1/4           | 5/16       | 1/2-20    | 22   | 24   | 11  | 5.5  |
| H04-T203   | 1/4           | 3/8        | 9/16-18   | 23.5 | 26   | 12  | 7.2  |
| H04-T203-1 | 1/4           | 3/8        | 5/8-18    | 22.5 | 26.5 | 12  | 7.2  |
| H04-T204   | 1/4           | 1/2        | 3/4-16    | 25   | 30.5 | 15  | 8    |
| H04-T302   | 3/8           | 1/4        | 7/16-20   | 25   | 24   | 12  | 4.8  |
| H04-T3025  | 3/8           | 5/16       | 1/2-20    | 25   | 25   | 12  | 5.5  |
| H04-T303   | 3/8           | 3/8        | 9/16-18   | 25   | 26   | 12  | 7.2  |
| H04-T303-1 | 3/8           | 3/8        | 5/8-18    | 25   | 26.5 | 12  | 7.2  |
| H04-T304   | 3/8           | 1/2        | 3/4-16    | 25.5 | 30.5 | 15  | 10.3 |
| H04-T402   | 1/2           | 1/4        | 7/16-20   | 29.5 | 26.5 | 15  | 4.8  |
| H04-T4025  | 1/2           | 5/16       | 1/2-20    | 29.5 | 27   | 15  | 5.5  |
| H04-T403   | 1/2           | 3/8        | 9/16-18   | 29.5 | 27.5 | 15  | 7.2  |
| H04-T403-1 | 1/2           | 3/8        | 5/8-18    | 29.5 | 28.5 | 15  | 7.2  |
| H04-T404   | 1/2           | 1/2        | 3/4-16    | 29.5 | 30.5 | 15  | 10.3 |
| H04-T405   | 1/2           | 5/8        | 7/8-14    | 30   | 32.5 | 17  | 12.7 |





## H05

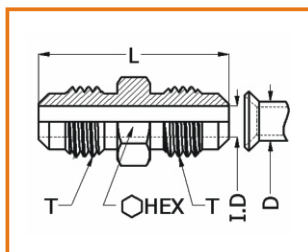
牙邊三通 Male Run Tee



| 產品編號       | 管牙 T1         | 適用管徑 D     | 直牙 T2     | L1   | L2   | HEX | I.D  |
|------------|---------------|------------|-----------|------|------|-----|------|
| PART NO.   | PipeThread T1 | TubeSize D | Thread T2 |      |      |     |      |
| H05-T102   | 1/8           | 1/4        | 7/16-20   | 21.5 | 21   | 9.5 | 4.8  |
| H05-T202   | 1/4           | 1/4        | 7/16-20   | 23.5 | 23.5 | 11  | 4.8  |
| H05-T2025  | 1/4           | 5/16       | 1/2-20    | 23.5 | 24   | 11  | 5.5  |
| H05-T203   | 1/4           | 3/8        | 9/16-18   | 24   | 26   | 12  | 7.2  |
| H05-T203-1 | 1/4           | 3/8        | 5/8-18    | 24   | 26.5 | 12  | 7.2  |
| H05-T204   | 1/4           | 1/2        | 3/4-16    | 25   | 30   | 15  | 8.0  |
| H05-T302   | 3/8           | 1/4        | 7/16-20   | 25   | 24   | 12  | 4.8  |
| H05-T3025  | 3/8           | 5/16       | 1/2-20    | 25   | 25   | 12  | 5.5  |
| H05-T303   | 3/8           | 3/8        | 9/16-18   | 25   | 26   | 12  | 7.2  |
| H05-T303-1 | 3/8           | 3/8        | 5/8-18    | 25   | 26.5 | 12  | 7.2  |
| H05-T304   | 3/8           | 1/2        | 3/4-16    | 25   | 30   | 15  | 10.3 |
| H05-T402   | 1/2           | 1/4        | 7/16-20   | 29.5 | 26.5 | 15  | 4.8  |
| H05-T4025  | 1/2           | 5/16       | 1/2-20    | 29.5 | 27   | 15  | 5.5  |
| H05-T403   | 1/2           | 3/8        | 9/16-18   | 29.5 | 27.5 | 15  | 7.2  |
| H05-T403-1 | 1/2           | 3/8        | 5/8-18    | 29   | 28.5 | 15  | 7.2  |
| H05-T404   | 1/2           | 1/2        | 3/4-16    | 30   | 30   | 15  | 10.3 |
| H05-T405   | 1/2           | 5/8        | 7/8-14    | 33   | 31   | 17  | 12.7 |

## H06

由任接頭 Union

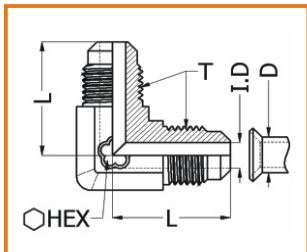


| 產品編號     | 適用管徑 D     | 直牙 T      | L  | HEX | I.D  |
|----------|------------|-----------|----|-----|------|
| PART NO. | TubeSize D | Thread T  |    |     |      |
| H06-C15  | 3/16       | 3/8-24    | 28 | 10  | 3.2  |
| H06-C2   | 1/4        | 7/16-20   | 29 | 12  | 4.8  |
| H06-C25  | 5/16       | 1/2-20    | 31 | 14  | 5.5  |
| H06-C3   | 3/8        | 9/16-18   | 33 | 15  | 7.2  |
| H06-C3-1 | 3/8        | 5/8-18    | 35 | 17  | 7.2  |
| H06-C4   | 1/2        | 3/4-16    | 42 | 21  | 10.3 |
| H06-C5   | 5/8        | 7/8-14    | 44 | 23  | 12.7 |
| H06-C6   | 3/4        | 1"1/16-14 | 49 | 27  | 15.9 |



## H07

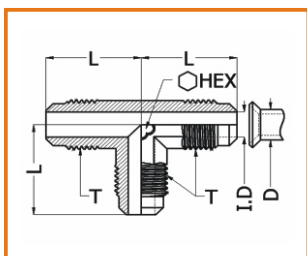
由任彎頭 Union Elbow



| 產品編號     | 適用管徑 D     | 直牙 T      | L    | HEX  | I.D  |
|----------|------------|-----------|------|------|------|
| PART NO. | TubeSize D | Thread T  |      |      |      |
| H07-L15  | 3/16       | 3/8-24    | 18.5 | 9.5  | 3.2  |
| H07-L2   | 1/4        | 7/16-20   | 23   | 10.5 | 4.8  |
| H07-L25  | 5/16       | 1/2-20    | 24.5 | 13   | 5.5  |
| H07-L3   | 3/8        | 9/16-18   | 25.5 | 13   | 7.2  |
| H07-L3-1 | 3/8        | 5/8-18    | 28   | 13   | 7.2  |
| H07-L4   | 1/2        | 3/4-16    | 32   | 15   | 10.3 |
| H07-L5   | 5/8        | 7/8-14    | 32   | 17   | 12.7 |
| H07-L6   | 3/4        | 1"1/16-14 | 36   | 21   | 15.9 |

## H08

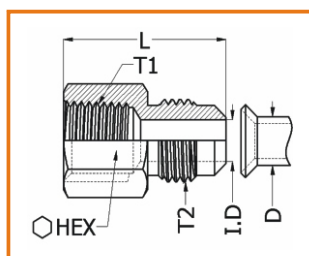
由任三通 Union Tee



| 產品編號     | 適用管徑 D     | 直牙 T     | L    | HEX | I.D  |
|----------|------------|----------|------|-----|------|
| PART NO. | TubeSize D | Thread T |      |     |      |
| H08-T1   | 1/8        | 5/16-24  | 20.5 | 9.5 | 2.5  |
| H08-T15  | 3/16       | 3/8-24   | 21.5 | 9.5 | 3.2  |
| H08-T2   | 1/4        | 7/16-20  | 22.5 | 9.5 | 4.8  |
| H08-T25  | 5/16       | 1/2-20   | 24   | 11  | 5.5  |
| H08-T3   | 3/8        | 9/16-18  | 26   | 12  | 7.2  |
| H08-T3-1 | 3/8        | 5/8-18   | 27   | 12  | 7.2  |
| H08-T4   | 1/2        | 3/4-16   | 30.5 | 15  | 10.3 |
| H08-T5   | 5/8        | 7/8-14   | 32.5 | 17  | 12.7 |

## H09

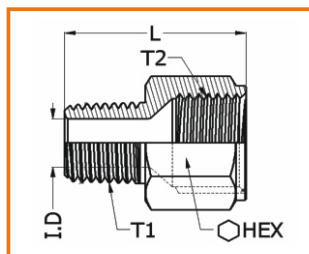
### 內牙接頭 Female Connector



| 產品編號        | 內管牙 T1        | 適用管徑 D     | 直牙 T2     | L    | HEX | I.D  |
|-------------|---------------|------------|-----------|------|-----|------|
| PART NO.    | PipeThread T1 | TubeSize D | Thread T2 |      |     |      |
| H09-CM1015  | 1/8           | 3/16       | 3/8-24    | 23.5 | 12  | 3.2  |
| H09-CM102   | 1/8           | 1/4        | 7/16-20   | 24   | 12  | 4.8  |
| H09-CM1025  | 1/8           | 5/16       | 1/2-20    | 25   | 14  | 5.5  |
| H09-CM103   | 1/8           | 3/8        | 9/16-18   | 26   | 15  | 7.2  |
| H09-CM103-1 | 1/8           | 3/8        | 5/8-18    | 27   | 17  | 7.2  |
| H09-CM202   | 1/4           | 1/4        | 7/16-20   | 27   | 17  | 4.8  |
| H09-CM2025  | 1/4           | 5/16       | 1/2-20    | 28   | 17  | 5.5  |
| H09-CM203   | 1/4           | 3/8        | 9/16-18   | 29   | 17  | 7.2  |
| H09-CM203-1 | 1/4           | 3/8        | 5/8-18    | 30   | 17  | 7.2  |
| H09-CM204   | 1/4           | 1/2        | 3/4-16    | 33   | 21  | 10.3 |
| H09-CM302   | 3/8           | 1/4        | 7/16-20   | 27   | 21  | 4.8  |
| H09-CM3025  | 3/8           | 5/16       | 1/2-20    | 28   | 21  | 5.5  |
| H09-CM303   | 3/8           | 3/8        | 9/16-18   | 29   | 21  | 7.2  |
| H09-CM303-1 | 3/8           | 3/8        | 5/8-18    | 30   | 21  | 7.2  |
| H09-CM304   | 3/8           | 1/2        | 3/4-16    | 33   | 21  | 10.3 |
| H09-CM403   | 1/2           | 3/8        | 9/16-18   | 32   | 24  | 7.2  |
| H09-CM403-1 | 1/2           | 3/8        | 5/8-18    | 33   | 24  | 7.2  |
| H09-CM404   | 1/2           | 1/2        | 3/4-16    | 36   | 24  | 10.3 |
| H09-CM405   | 1/2           | 5/8        | 7/8-14    | 37   | 24  | 12.7 |
| H09-CM406   | 1/2           | 3/4        | 1 1/16-14 | 39   | 27  | 15.9 |

## H10

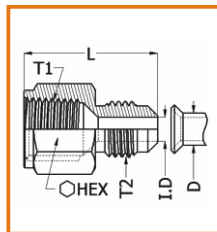
### 外牙內喇叭接頭 Male Pipe Thread to Female Flared Connector



| 產品編號       | 管牙 T1         | 直牙 T2     | L  | HEX | I.D  |
|------------|---------------|-----------|----|-----|------|
| PART NO.   | PipeThread T1 | Thread T2 |    |     |      |
| H10-C102   | 1/8           | 7/16-20   | 21 | 14  | 6    |
| H10-C202   | 1/4           | 7/16-20   | 24 | 14  | 6    |
| H10-C2025  | 1/4           | 1/2-20    | 24 | 17  | 8    |
| H10-C203-1 | 1/4           | 5/8-18    | 28 | 19  | 8    |
| H10-C302   | 3/8           | 7/16-20   | 24 | 17  | 6    |
| H10-C3025  | 3/8           | 1/2-20    | 24 | 17  | 8    |
| H10-C303-1 | 3/8           | 5/8-18    | 28 | 19  | 8    |
| H10-C304   | 3/8           | 3/4-16    | 30 | 24  | 10.5 |

## H11

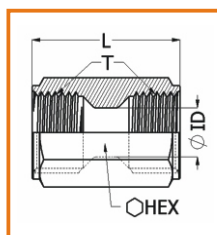
內外喇叭接頭 Reducing Connector(Male flared to Female flared)



| 產品編號       | 適用管徑 D     | 直牙 T1     | 直牙 T2     | L    | HEX | I.D  |
|------------|------------|-----------|-----------|------|-----|------|
| PART NO.   | TubeSize D | Thread T1 | Thread T2 |      |     |      |
| H11-C302-1 | 3/8 to 1/4 | 5/8-18    | 7/16-20   | 28.5 | 19  | 4.8  |
| H11-C402   | 1/2 to 1/4 | 3/4-16    | 7/16-20   | 33.5 | 24  | 4.8  |
| H11-C403-1 | 1/2 to 3/8 | 3/4-16    | 5/8-18    | 34.5 | 24  | 7.2  |
| H11-C504   | 5/8 to 1/2 | 7/8-14    | 3/4-16    | 39   | 27  | 10.3 |

## H12

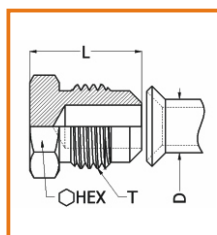
由任內喇叭接頭 Female Flared Union



| 產品編號     | 直牙 T     | L    | HEX | I.D |
|----------|----------|------|-----|-----|
| PART NO. | Thread T |      |     |     |
| H12-C2   | 7/16-20  | 24.5 | 14  | 6.6 |
| H12-C25  | 1/2-20   | 25.5 | 16  | 8.2 |
| H12-C3   | 9/16-18  | 27   | 19  | 9.8 |
| H12-C3-1 | 5/8-18   | 30.5 | 19  | 9.8 |
| H12-C4   | 3/4-16   | 36.5 | 24  | 13  |

## H13

油塞 Flared Plug

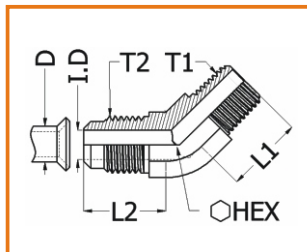


| 產品編號     | 適用管徑 D     | 直牙 T     | L  | HEX |
|----------|------------|----------|----|-----|
| PART NO. | TubeSize D | Thread T |    |     |
| H13-C15  | 3/16       | 3/8-24   | 16 | 10  |
| H13-C2   | 1/4        | 7/16-20  | 17 | 12  |
| H13-C25  | 5/16       | 1/2-20   | 18 | 14  |
| H13-C3   | 3/8        | 9/16-18  | 19 | 15  |
| H13-C3-1 | 3/8        | 5/8-18   | 20 | 17  |
| H13-C4   | 1/2        | 3/4-16   | 24 | 21  |
| H13-C5   | 5/8        | 7/8-14   | 25 | 23  |



## H14

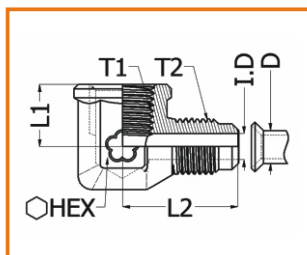
### 45°外牙彎頭 45° Male Elbow



| 產品編號       | 管牙 T1         | 適用管徑 D     | 直牙 T2     | L1   | L2   | HEX | I.D |
|------------|---------------|------------|-----------|------|------|-----|-----|
| PART NO.   | PipeThread T1 | TubeSize D | Thread T2 |      |      |     |     |
| H14-L102   | 1/8           | 1/4        | 7/16-20   | 16   | 18.5 | 11  | 4.8 |
| H14-L202   | 1/4           | 1/4        | 7/16-20   | 20.5 | 18   | 14  | 4.8 |
| H14-L2025  | 1/4           | 5/16       | 1/2-20    | 20.5 | 18.5 | 14  | 5.5 |
| H14-L203   | 1/4           | 3/8        | 9/16-18   | 20.5 | 20   | 14  | 7.2 |
| H14-L203-1 | 1/4           | 3/8        | 5/8-18    | 20.5 | 20   | 14  | 7.2 |

## H15

### 內牙彎頭 Female Elbow



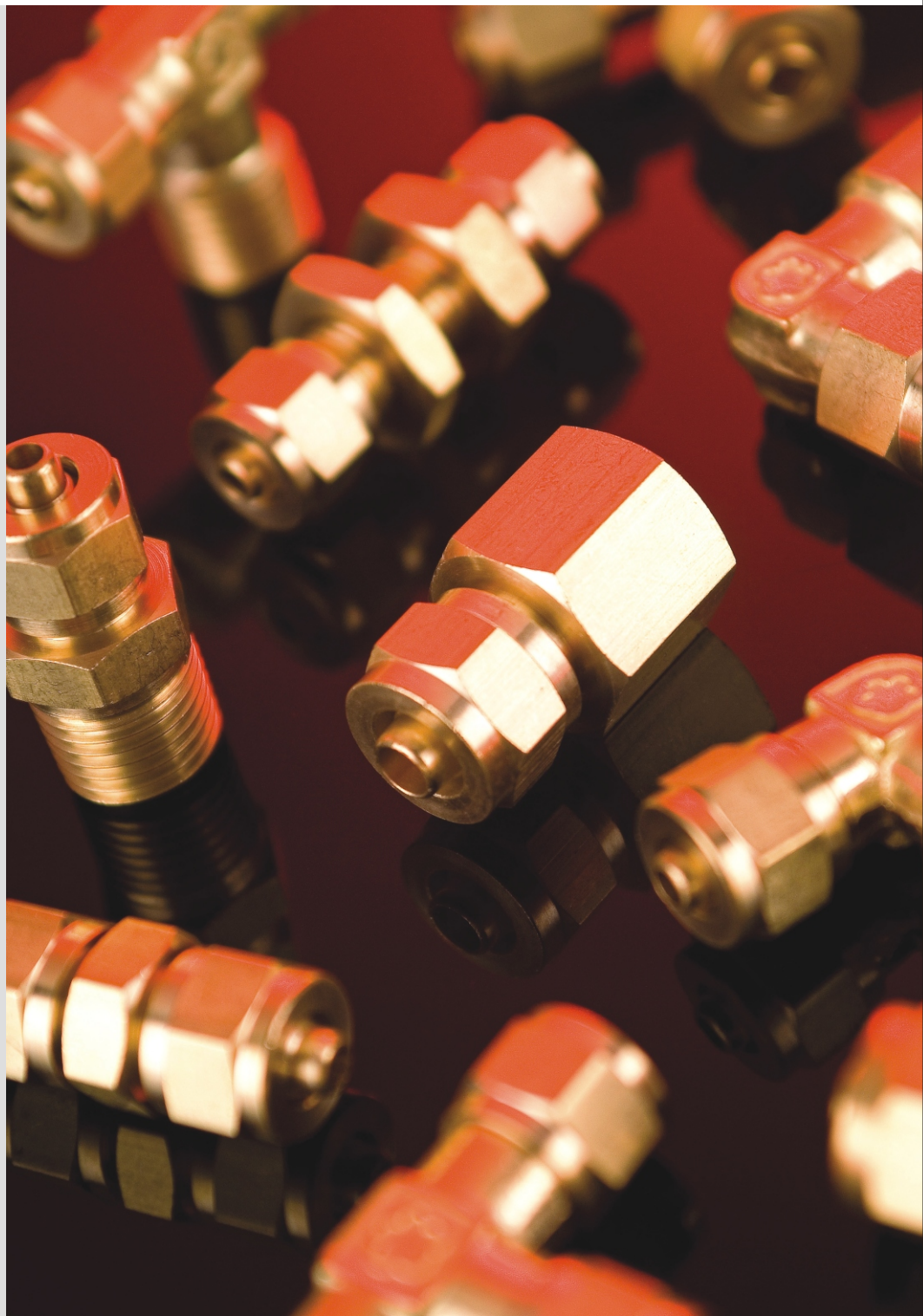
| 產品編號        | 內管牙 T1        | 適用管徑 D     | 直牙 T2     | L1   | L2   | HEX | I.D  |
|-------------|---------------|------------|-----------|------|------|-----|------|
| PART NO.    | PipeThread T1 | TubeSize D | Thread T2 |      |      |     |      |
| H15-LM103   | 1/8           | 3/8        | 9/16-18   | 15   | 28   | 21  | 7.2  |
| H15-LM202   | 1/4           | 1/4        | 7/16-20   | 14.5 | 23.5 | 17  | 4.8  |
| H15-LM2025  | 1/4           | 5/16       | 1/2-20    | 14.5 | 24.5 | 17  | 5.5  |
| H15-LM3025  | 3/8           | 5/16       | 1/2-20    | 15   | 27.5 | 21  | 5.5  |
| H15-LM303   | 3/8           | 3/8        | 9/16-18   | 15   | 28   | 21  | 7.2  |
| H15-LM303-1 | 3/8           | 3/8        | 5/8-18    | 15   | 28.5 | 21  | 7.2  |
| H15-LM403   | 1/2           | 3/8        | 9/16-18   | 18   | 30.5 | 24  | 7.2  |
| H15-LM403-1 | 1/2           | 3/8        | 5/8-18    | 18   | 31.5 | 24  | 7.2  |
| H15-LM404   | 1/2           | 1/2        | 3/4-16    | 18   | 33.5 | 24  | 10.3 |



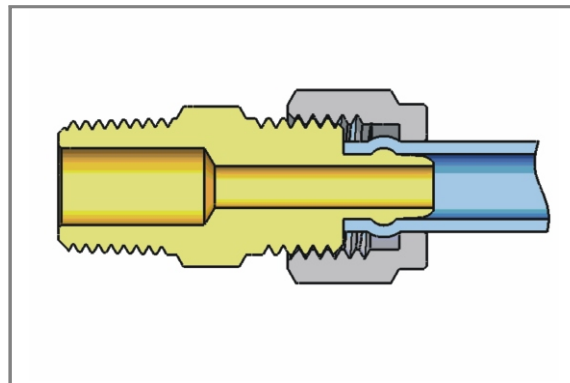
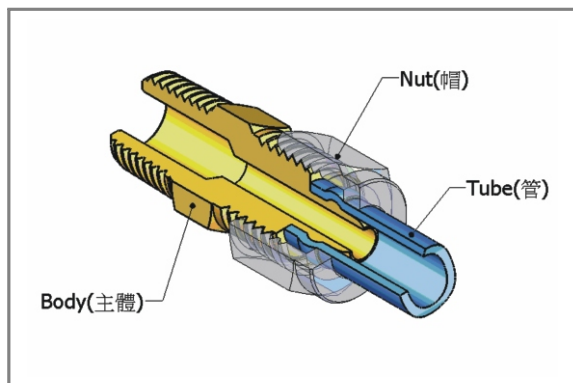


# N Fast-In Fittings

**N series**  
Fast-In Fittings  
尼龍管飛速系列



## N Fast-In Fittings 尼龍管飛速系列



### 特點

應用於低壓之氣體、水或油之傳遞。  
大多數使用於尼龍管、PE或PU管等熱塑軟管。  
主體與螺帽皆可重複拆裝使用。

### 材質

接頭、螺帽均採用黃銅JIS3604材質加工而成。  
彎頭、三通均採用黃銅JIS3771材質鍛造並加工而成。

### 工作溫度

空氣、油 -40°C~80°C  
水 0°C~70°C

### 工作壓力

根據軟管可使用的壓力而定。

### 組裝步驟

1. 正交的剪切管到所需長度。
2. 先將螺帽穿過管，螺帽的螺紋端要朝外側。
3. 插入軟管至接頭內底端。
4. 先用手旋緊螺帽與主體，然後再用板手順時鐘旋緊 1/2 ~1圈，即組裝完成。

### Characteristic

Use for air, water, oil in low pressure.  
Use with thermoplastic tubing, like nylon tubing, PE or PU tubing.  
Bodies and nuts can be assembled and disassembled repeatedly.

### Material

Connectors, nuts are machined from brass JIS3604  
Elbows, tees are forged and machined from brass JIS3771

### Working Temperature

From -40°F~176°F for air, oil  
From 32°F~158°F for water

### Working Pressure

Depending on the max.operation pressure of the tubing used.

### Assembly Instruction

1. Cut tubing squarely.
2. Slide nut onto tubing, the thread end of nut must face out.
3. Insert tubing into fitting until it bottoms on seat.
4. The nut should be screwed down finger tight, then the wrench-tightened 1/2~1 turns.



## Adapter

**N00**  
英制螺帽  
Inch Nut



Page N 3

**N00**  
公制螺帽  
Metric Nut



Page N 3

**N01**  
由任接頭  
Union



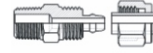
Page N 3

**N10**  
夾壁式由任接頭  
Bulkhead Union



Page N 11

**N03**  
外牙接頭  
Male Connector



Page N 5

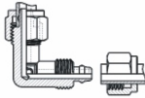
**N04**  
內牙接頭  
Female Connector



Page N 6

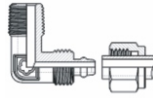
## Elbow

**N09**  
由任彎頭  
Union Elbow



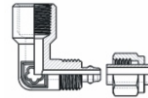
Page N 11

**N06**  
外牙彎頭  
Male Elbow



Page N 8

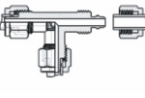
**N05**  
內牙彎頭  
Female Elbow



Page N 7

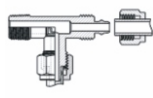
## Tee

**N02**  
由任三通  
Union Tee



Page N 4

**N07**  
牙邊三通  
Run Tee



Page N 9

**N08**  
牙中三通  
Branch Tee



Page N 10

A / E  
Pipe Fittings

A / E  
Hose Barb

H  
45° Flared

S  
Compression

S B  
Bite Type

N  
Fast-In Fittings

N F  
Ferrule Quick

P  
Push-In Fittings

V  
Valves

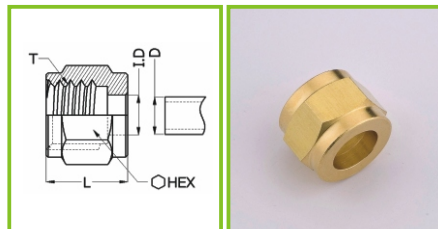


興力股份有限公司  
SIN LING CO., LTD.

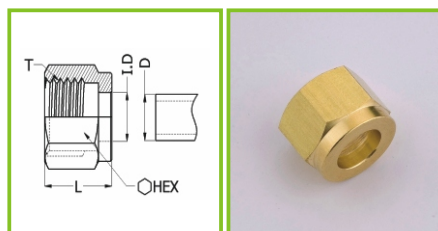
www.sinling.com  
In Taiwan

## N00

螺帽 Nut



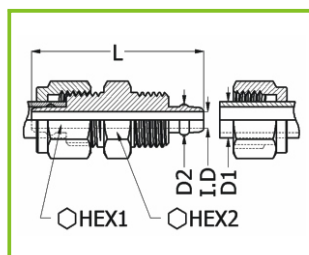
| 產品編號     | 適用管徑 D     | 直牙 T     | L  | HEX | I.D  |
|----------|------------|----------|----|-----|------|
| PART NO. | TubeSize D | Thread T |    |     |      |
| N00-04   | 4          | M7×1.0   | 8  | 9   | 4.2  |
| N00-06   | 6          | M10-24   | 10 | 12  | 6.2  |
| N00-25   | 8          | 7/16-24  | 11 | 14  | 8.2  |
| N00-10   | 10         | 1/2-24   | 12 | 15  | 10.2 |
| N00-12   | 12         | M17-24   | 14 | 19  | 12.2 |



| 產品編號     | 適用管徑 D     | 直牙 T     | L  | HEX | I.D  |
|----------|------------|----------|----|-----|------|
| PART NO. | TubeSize D | Thread T |    |     |      |
| N00-2    | 1/4        | M10-24   | 10 | 12  | 6.5  |
| N00-25   | 5/16       | 7/16-24  | 11 | 14  | 8.2  |
| N00-3    | 3/8        | 1/2-24   | 12 | 15  | 9.8  |
| N00-4    | 1/2        | M17-24   | 14 | 19  | 12.9 |

## N01

由任接頭 Union



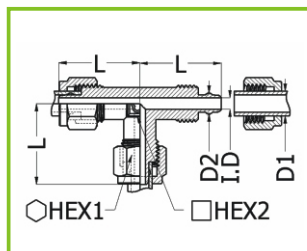
| 產品編號     | 適用管徑 D1     | 直牙      | D2   | L  | HEX1 | HEX2 | I.D |
|----------|-------------|---------|------|----|------|------|-----|
| PART NO. | TubeSize D1 | Thread  |      |    |      |      |     |
| N01-C04  | 4           | M7×1.0  | 3.8  | 27 | 9    | 8    | 1.8 |
| N01-C06  | 6           | M10-24  | 5.6  | 32 | 12   | 12   | 3   |
| N01-C25  | 8           | 7/16-24 | 6.9  | 34 | 14   | 12   | 4.5 |
| N01-C10  | 10          | 1/2-24  | 8.3  | 36 | 15   | 12.7 | 5.2 |
| N01-C12  | 12          | M17-24  | 10.3 | 40 | 19   | 17   | 7   |

| 產品編號     | 適用管徑 D1     | 直牙      | D2  | L  | HEX1 | HEX2 | I.D |
|----------|-------------|---------|-----|----|------|------|-----|
| PART NO. | TubeSize D1 | Thread  |     |    |      |      |     |
| N01-C2   | 1/4         | M10-24  | 5.6 | 32 | 12   | 12   | 3   |
| N01-C25  | 5/16        | 7/16-24 | 6.9 | 34 | 14   | 12   | 4.5 |
| N01-C3   | 3/8         | 1/2-24  | 8.3 | 36 | 15   | 12.7 | 5.2 |
| N01-C4   | 1/2         | M17-24  | 11  | 40 | 19   | 17   | 8   |



## N02

由任三通 Union Tee



| 產品編號     | 適用管徑 D1     | 直牙      | D2   | L    | HEX1 | HEX2 | I.D |
|----------|-------------|---------|------|------|------|------|-----|
| PART NO. | TubeSize D1 | Thread  |      |      |      |      |     |
| N02-T04  | 4           | M7×1.0  | 3.8  | 19.7 | 9    | 8.5  | 1.8 |
| N02-T06  | 6           | M10-24  | 5.6  | 21.5 | 12   | 8.5  | 3   |
| N02-T25  | 8           | 7/16-24 | 6.9  | 23   | 14   | 8.5  | 4.5 |
| N02-T10  | 10          | 1/2-24  | 8.3  | 24   | 15   | 8.5  | 5.2 |
| N02-T12  | 12          | M17-24  | 10.3 | 29.5 | 19   | 12   | 7   |

| 產品編號     | 適用管徑 D1     | 直牙      | D2  | L    | HEX1 | HEX2 | I.D |
|----------|-------------|---------|-----|------|------|------|-----|
| PART NO. | TubeSize D1 | Thread  |     |      |      |      |     |
| N02-T2   | 1/4         | M10-24  | 5.6 | 21.5 | 12   | 8.5  | 3   |
| N02-T25  | 5/16        | 7/16-24 | 6.9 | 23   | 14   | 8.5  | 4.5 |
| N02-T3   | 3/8         | 1/2-24  | 8.3 | 24   | 15   | 8.5  | 5.2 |
| N02-T4   | 1/2         | M17-24  | 11  | 29.5 | 19   | 12   | 8   |

A/E  
Pipe Fittings

A/E  
Hose Barb

H  
45° Flared

S  
Compression

S/B  
Bite Type

N  
Fast-In Fittings

NF  
Ferrule Quick

P  
Push-In Fittings

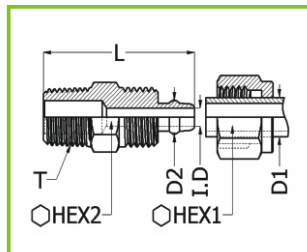
V  
Valves





## N03

外牙接頭 Male Connector



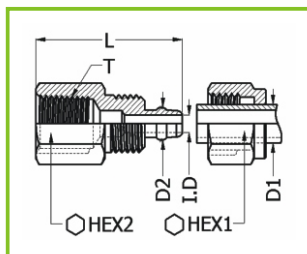
| 產品編號       | 管牙 T         | 適用管徑 D1     | 直牙      | D2   | L    | HEX1 | HEX2 | I.D |
|------------|--------------|-------------|---------|------|------|------|------|-----|
| PART NO.   | PipeThread T | TubeSize D1 | Thread  |      |      |      |      |     |
| N03-C05004 | 1/4-28UNF    | 4           | M7×1.0  | 3.8  | 22.5 | 9    | 8    | 1.8 |
| N03-C05006 | 1/4-28UNF    | 6           | M10-24  | 5.6  | 25.5 | 12   | 10   | 3   |
| N03-C1004  | 1/8          | 4           | M7×1.0  | 3.8  | 24.5 | 9    | 10   | 1.8 |
| N03-C1006  | 1/8          | 6           | M10-24  | 5.6  | 27   | 12   | 10   | 3   |
| N03-C1025  | 1/8          | 8           | 7/16-24 | 6.9  | 28   | 14   | 12   | 4.5 |
| N03-C1010  | 1/8          | 10          | 1/2-24  | 8.3  | 29   | 15   | 12.7 | 5.2 |
| N03-C2004  | 1/4          | 4           | M7×1.0  | 3.8  | 28   | 9    | 14   | 1.8 |
| N03-C2006  | 1/4          | 6           | M10-24  | 5.6  | 30.5 | 12   | 14   | 3   |
| N03-C2025  | 1/4          | 8           | 7/16-24 | 6.9  | 31.5 | 14   | 14   | 4.5 |
| N03-C2010  | 1/4          | 10          | 1/2-24  | 8.3  | 32.5 | 15   | 14   | 5.2 |
| N03-C2012  | 1/4          | 12          | M17-24  | 10.3 | 34   | 19   | 17   | 7   |
| N03-C3006  | 3/8          | 6           | M10-24  | 5.6  | 30.5 | 12   | 17   | 3   |
| N03-C3025  | 3/8          | 8           | 7/16-24 | 6.9  | 31.5 | 14   | 17   | 4.5 |
| N03-C3010  | 3/8          | 10          | 1/2-24  | 8.3  | 32.5 | 15   | 17   | 5.2 |
| N03-C3012  | 3/8          | 12          | M17-24  | 10.3 | 34   | 19   | 17   | 7   |
| N03-C4006  | 1/2          | 6           | M10-24  | 5.6  | 34   | 12   | 21   | 3   |
| N03-C4025  | 1/2          | 8           | 7/16-24 | 6.9  | 35   | 14   | 21   | 4.5 |
| N03-C4010  | 1/2          | 10          | 1/2-24  | 8.3  | 36   | 15   | 21   | 5.2 |
| N03-C4012  | 1/2          | 12          | M17-24  | 10.3 | 37.5 | 19   | 21   | 7   |

| 產品編號      | 管牙 T         | 適用管徑 D1     | 直牙      | D2  | L    | HEX1 | HEX2 | I.D |
|-----------|--------------|-------------|---------|-----|------|------|------|-----|
| PART NO.  | PipeThread T | TubeSize D1 | Thread  |     |      |      |      |     |
| N03-C0502 | 1/4-28UNF    | 1/4         | M10-24  | 5.6 | 25.5 | 12   | 10   | 3   |
| N03-C102  | 1/8          | 1/4         | M10-24  | 5.6 | 27   | 12   | 10   | 3   |
| N03-C1025 | 1/8          | 5/16        | 7/16-24 | 6.9 | 28   | 14   | 12   | 4.5 |
| N03-C103  | 1/8          | 3/8         | 1/2-24  | 8.3 | 29   | 15   | 12.7 | 5.2 |
| N03-C202  | 1/4          | 1/4         | M10-24  | 5.6 | 30.5 | 12   | 14   | 3   |
| N03-C2025 | 1/4          | 5/16        | 7/16-24 | 6.9 | 31.5 | 14   | 14   | 4.5 |
| N03-C203  | 1/4          | 3/8         | 1/2-24  | 8.3 | 32.5 | 15   | 14   | 5.2 |
| N03-C204  | 1/4          | 1/2         | M17-24  | 11  | 34   | 19   | 17   | 8   |
| N03-C302  | 3/8          | 1/4         | M10-24  | 5.6 | 30.5 | 12   | 17   | 3   |
| N03-C3025 | 3/8          | 5/16        | 7/16-24 | 6.9 | 31.5 | 14   | 17   | 4.5 |
| N03-C303  | 3/8          | 3/8         | 1/2-24  | 8.3 | 32.5 | 15   | 17   | 5.2 |
| N03-C304  | 3/8          | 1/2         | M17-24  | 11  | 34   | 19   | 17   | 8   |
| N03-C402  | 1/2          | 1/4         | M10-24  | 5.6 | 34   | 12   | 21   | 3   |
| N03-C4025 | 1/2          | 5/16        | 7/16-24 | 6.9 | 35   | 14   | 21   | 4.5 |
| N03-C403  | 1/2          | 3/8         | 1/2-24  | 8.3 | 36   | 15   | 21   | 5.2 |
| N03-C404  | 1/2          | 1/2         | M17-24  | 11  | 37.5 | 19   | 21   | 8   |



## N04

### 內牙接頭 Female Connector



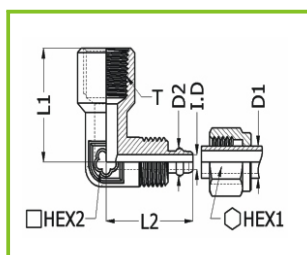
| 產品編號       | 內管牙 T        | 適用管徑 D1     | 直牙      | D2   | L    | HEX1 | HEX2 | I.D |
|------------|--------------|-------------|---------|------|------|------|------|-----|
| PART NO.   | PipeThread T | TubeSize D1 | Thread  |      |      |      |      |     |
| N04-CM1004 | 1/8          | 4           | M7×1.0  | 3.8  | 23   | 9    | 12   | 1.8 |
| N04-CM1006 | 1/8          | 6           | M10-24  | 5.6  | 25.5 | 12   | 12   | 3   |
| N04-CM1025 | 1/8          | 8           | 7/16-24 | 6.9  | 26.5 | 14   | 12   | 4.5 |
| N04-CM2006 | 1/4          | 6           | M10-24  | 5.6  | 28.5 | 12   | 17   | 3   |
| N04-CM2025 | 1/4          | 8           | 7/16-24 | 6.9  | 29.5 | 14   | 17   | 4.5 |
| N04-CM2010 | 1/4          | 10          | 1/2-24  | 8.3  | 30.5 | 15   | 17   | 5.2 |
| N04-CM2012 | 1/4          | 12          | M17-24  | 10.3 | 32   | 19   | 17   | 7   |
| N04-CM3006 | 3/8          | 6           | M10-24  | 5.6  | 28.5 | 12   | 21   | 3   |
| N04-CM3025 | 3/8          | 8           | 7/16-24 | 6.9  | 29.5 | 14   | 21   | 4.5 |
| N04-CM3010 | 3/8          | 10          | 1/2-24  | 8.3  | 30.5 | 15   | 21   | 5.2 |
| N04-CM3012 | 3/8          | 12          | M17-24  | 10.3 | 32   | 19   | 21   | 7   |
| N04-CM4006 | 1/2          | 6           | M10-24  | 5.6  | 32   | 12   | 24   | 3   |
| N04-CM4025 | 1/2          | 8           | 7/16-24 | 6.9  | 33   | 14   | 24   | 4.5 |
| N04-CM4010 | 1/2          | 10          | 1/2-24  | 8.3  | 34   | 15   | 24   | 5.2 |
| N04-CM4012 | 1/2          | 12          | M17-24  | 10.3 | 35.5 | 19   | 24   | 7   |

| 產品編號       | 內管牙 T        | 適用管徑 D1     | 直牙      | D2  | L    | HEX1 | HEX2 | I.D |
|------------|--------------|-------------|---------|-----|------|------|------|-----|
| PART NO.   | PipeThread T | TubeSize D1 | Thread  |     |      |      |      |     |
| N04-CM102  | 1/8          | 1/4         | M10-24  | 5.6 | 25.5 | 12   | 12   | 3   |
| N04-CM1025 | 1/8          | 5/16        | 7/16-24 | 6.9 | 26.5 | 14   | 12   | 4.5 |
| N04-CM202  | 1/4          | 1/4         | M10-24  | 5.6 | 28.5 | 12   | 17   | 3   |
| N04-CM2025 | 1/4          | 5/16        | 7/16-24 | 6.9 | 29.5 | 14   | 17   | 4.5 |
| N04-CM203  | 1/4          | 3/8         | 1/2-24  | 8.3 | 30.5 | 15   | 17   | 5.2 |
| N04-CM204  | 1/4          | 1/2         | M17-24  | 11  | 32   | 19   | 17   | 8   |
| N04-CM302  | 3/8          | 1/4         | M10-24  | 5.6 | 28.5 | 12   | 21   | 3   |
| N04-CM3025 | 3/8          | 5/16        | 7/16-24 | 6.9 | 29.5 | 14   | 21   | 4.5 |
| N04-CM303  | 3/8          | 3/8         | 1/2-24  | 8.3 | 30.5 | 15   | 21   | 5.2 |
| N04-CM304  | 3/8          | 1/2         | M17-24  | 11  | 32   | 19   | 21   | 8   |
| N04-CM402  | 1/2          | 1/4         | M10-24  | 5.6 | 32   | 12   | 24   | 3   |
| N04-CM4025 | 1/2          | 5/16        | 7/16-24 | 6.9 | 33   | 14   | 24   | 4.5 |
| N04-CM403  | 1/2          | 3/8         | 1/2-24  | 8.3 | 34   | 15   | 24   | 5.2 |
| N04-CM404  | 1/2          | 1/2         | M17-24  | 11  | 35.5 | 19   | 24   | 8   |



## N05

### 內牙彎頭 Female Elbow



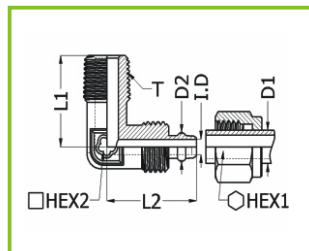
| 產品編號       | 內管牙 T        | 適用管徑 D1     | 直牙      | D2   | L1 | L2   | HEX1 | HEX2 | I.D |
|------------|--------------|-------------|---------|------|----|------|------|------|-----|
| PART NO.   | PipeThread T | TubeSize D1 | Thread  |      |    |      |      |      |     |
| N05-LM1006 | 1/8          | 6           | M10-24  | 5.6  | 23 | 21   | 12   | 10   | 3   |
| N05-LM1025 | 1/8          | 8           | 7/16-24 | 6.9  | 23 | 22   | 14   | 10   | 4.5 |
| N05-LM2006 | 1/4          | 6           | M10-24  | 5.6  | 26 | 22.5 | 12   | 10   | 3   |
| N05-LM2025 | 1/4          | 8           | 7/16-24 | 6.9  | 26 | 23.5 | 14   | 10   | 4.5 |
| N05-LM2010 | 1/4          | 10          | 1/2-24  | 8.3  | 26 | 24.5 | 15   | 10   | 5.2 |
| N05-LM2012 | 1/4          | 12          | M17-24  | 10.3 | 27 | 29   | 19   | 14   | 7   |
| N05-LM3006 | 3/8          | 6           | M10-24  | 5.6  | 28 | 25   | 12   | 14   | 3   |
| N05-LM3025 | 3/8          | 8           | 7/16-24 | 6.9  | 28 | 26   | 14   | 14   | 4.5 |
| N05-LM3010 | 3/8          | 10          | 1/2-24  | 8.3  | 28 | 27   | 15   | 14   | 5.2 |
| N05-LM3012 | 3/8          | 12          | M17-24  | 10.3 | 28 | 29   | 19   | 14   | 7   |

| 產品編號       | 內管牙 T        | 適用管徑 D1     | 直牙      | D2  | L1 | L2   | HEX1 | HEX2 | I.D |
|------------|--------------|-------------|---------|-----|----|------|------|------|-----|
| PART NO.   | PipeThread T | TubeSize D1 | Thread  |     |    |      |      |      |     |
| N05-LM102  | 1/8          | 1/4         | M10-24  | 5.6 | 23 | 21   | 12   | 10   | 3   |
| N05-LM1025 | 1/8          | 5/16        | 7/16-24 | 6.9 | 23 | 22   | 14   | 10   | 4.5 |
| N05-LM202  | 1/4          | 1/4         | M10-24  | 5.6 | 26 | 22.5 | 12   | 10   | 3   |
| N05-LM2025 | 1/4          | 5/16        | 7/16-24 | 6.9 | 26 | 23.5 | 14   | 10   | 4.5 |
| N05-LM203  | 1/4          | 3/8         | 1/2-24  | 8.3 | 26 | 24.5 | 15   | 10   | 5.2 |
| N05-LM204  | 1/4          | 1/2         | M17-24  | 11  | 27 | 29   | 19   | 14   | 8   |
| N05-LM302  | 3/8          | 1/4         | M10-24  | 5.6 | 28 | 25   | 12   | 14   | 3   |
| N05-LM3025 | 3/8          | 5/16        | 7/16-24 | 6.9 | 28 | 26   | 14   | 14   | 4.5 |
| N05-LM303  | 3/8          | 3/8         | 1/2-24  | 8.3 | 28 | 27   | 15   | 14   | 5.2 |
| N05-LM304  | 3/8          | 1/2         | M17-24  | 11  | 28 | 29   | 19   | 14   | 7   |



## N06

### 外牙彎頭 Male Elbow



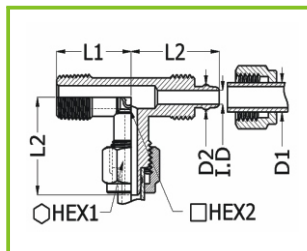
| 產品編號       | 管牙 T         | 適用管徑 D1     | 直牙      | D2   | L1   | L2   | HEX1 | HEX2 | I.D |
|------------|--------------|-------------|---------|------|------|------|------|------|-----|
| PART NO.   | PipeThread T | TubeSize D1 | Thread  |      |      |      |      |      |     |
| N06-L05004 | 1/4-28UNF    | 4           | M7×1.0  | 3.7  | 16.5 | 17.7 | 9    | 8.5  | 1.8 |
| N06-L05006 | 1/4-28UNF    | 6           | M10-24  | 5.6  | 16.5 | 19.2 | 12   | 8.5  | 3   |
| N06-L1004  | 1/8          | 4           | M7×1.0  | 3.7  | 17.9 | 17.7 | 9    | 8.5  | 1.8 |
| N06-L1006  | 1/8          | 6           | M10-24  | 5.6  | 17.9 | 19.2 | 12   | 8.5  | 3   |
| N06-L1025  | 1/8          | 8           | 7/16-24 | 6.9  | 17.9 | 20.7 | 14   | 8.5  | 4.5 |
| N06-L1010  | 1/8          | 10          | 1/2-24  | 8.3  | 17.9 | 22   | 15   | 8.5  | 5   |
| N06-L2004  | 1/4          | 4           | M7×1.0  | 3.7  | 23   | 19   | 9    | 10   | 1.8 |
| N06-L2006  | 1/4          | 6           | M10-24  | 5.6  | 23   | 21   | 12   | 10   | 3   |
| N06-L2025  | 1/4          | 8           | 7/16-24 | 6.9  | 23   | 22   | 14   | 10   | 4.5 |
| N06-L2010  | 1/4          | 10          | 1/2-24  | 8.3  | 23   | 23   | 15   | 10   | 5.2 |
| N06-L2012  | 1/4          | 12          | M17-24  | 10.3 | 24.5 | 26   | 19   | 12   | 7   |
| N06-L3006  | 3/8          | 6           | M10-24  | 5.6  | 23.3 | 22.5 | 12   | 10   | 3   |
| N06-L3025  | 3/8          | 8           | 7/16-24 | 6.9  | 23.3 | 23.5 | 14   | 10   | 4.5 |
| N06-L3010  | 3/8          | 10          | 1/2-24  | 8.3  | 23.3 | 24.5 | 15   | 10   | 5.2 |
| N06-L3012  | 3/8          | 12          | M17-24  | 10.3 | 24.3 | 28   | 19   | 12   | 7   |
| N06-L4006  | 1/2          | 6           | M10-24  | 5.6  | 28.5 | 25   | 12   | 14   | 3   |
| N06-L4025  | 1/2          | 8           | 7/16-24 | 6.9  | 28.5 | 26   | 14   | 14   | 4.5 |
| N06-L4010  | 1/2          | 10          | 1/2-24  | 8.25 | 28.5 | 27   | 15   | 14   | 5.2 |
| N06-L4012  | 1/2          | 12          | M17-24  | 10.3 | 28.5 | 29   | 19   | 14   | 7   |

| 產品編號      | 管牙 T         | 適用管徑 D1     | 直牙      | D2  | L1   | L2   | HEX1 | HEX2 | I.D |
|-----------|--------------|-------------|---------|-----|------|------|------|------|-----|
| PART NO.  | PipeThread T | TubeSize D1 | Thread  |     |      |      |      |      |     |
| N06-L0502 | 1/4-28UNF    | 1/4         | M10-24  | 5.6 | 16.5 | 19.2 | 12   | 8.5  | 3   |
| N06-L102  | 1/8          | 1/4         | M10-24  | 5.6 | 17.9 | 19.2 | 12   | 8.5  | 3   |
| N06-L1025 | 1/8          | 5/16        | 7/16-24 | 6.9 | 17.9 | 20.7 | 14   | 8.5  | 4.5 |
| N06-L103  | 1/8          | 3/8         | 1/2-24  | 8.3 | 17.9 | 22   | 15   | 8.5  | 5   |
| N06-L202  | 1/4          | 1/4         | M10-24  | 5.6 | 23   | 21   | 12   | 10   | 3   |
| N06-L2025 | 1/4          | 5/16        | 7/16-24 | 6.9 | 23   | 22   | 14   | 10   | 4.5 |
| N06-L203  | 1/4          | 3/8         | 1/2-24  | 8.3 | 23   | 23   | 15   | 10   | 5.2 |
| N06-L204  | 1/4          | 1/2         | M17-24  | 11  | 24.5 | 26   | 19   | 12   | 7   |
| N06-L302  | 3/8          | 1/4         | M10-24  | 5.6 | 23.3 | 22.5 | 12   | 10   | 3   |
| N06-L3025 | 3/8          | 5/16        | 7/16-24 | 6.9 | 23.3 | 23.5 | 14   | 10   | 4.5 |
| N06-L303  | 3/8          | 3/8         | 1/2-24  | 8.3 | 23.3 | 24.5 | 15   | 10   | 5.2 |
| N06-L304  | 3/8          | 1/2         | M17-24  | 11  | 24.3 | 28   | 19   | 12   | 7   |
| N06-L402  | 1/2          | 1/4         | M10-24  | 5.6 | 28.5 | 25   | 12   | 14   | 3   |
| N06-L4025 | 1/2          | 5/16        | 7/16-24 | 6.9 | 28.5 | 26   | 14   | 14   | 4.5 |
| N06-L403  | 1/2          | 3/8         | 1/2-24  | 8.3 | 28.5 | 27   | 15   | 14   | 5.2 |
| N06-L404  | 1/2          | 1/2         | M17-24  | 11  | 28.5 | 29   | 19   | 14   | 8   |



## N07

### 牙邊三通 Male Run Tee



| 產品編號      | 管牙 T         | 適用管徑 D1     | 直牙      | D2   | L1   | L2   | HEX1 | HEX2 | I.D |
|-----------|--------------|-------------|---------|------|------|------|------|------|-----|
| PART NO.  | PipeThread T | TubeSize D1 | Thread  |      |      |      |      |      |     |
| N07-T1004 | 1/8          | 4           | M7×1.0  | 3.7  | 18.2 | 19.5 | 9    | 8.5  | 1.8 |
| N07-T1006 | 1/8          | 6           | M10-24  | 5.6  | 18.2 | 21.5 | 12   | 8.5  | 3   |
| N07-T1025 | 1/8          | 8           | 7/16-24 | 6.9  | 18.2 | 23   | 14   | 8.5  | 4.5 |
| N07-T1010 | 1/8          | 10          | 1/2-24  | 8.3  | 18.2 | 24   | 15   | 8.5  | 5   |
| N07-T2006 | 1/4          | 6           | M10-24  | 5.6  | 22.5 | 22   | 12   | 10   | 3   |
| N07-T2025 | 1/4          | 8           | 7/16-24 | 6.9  | 22.5 | 23   | 14   | 10   | 4.5 |
| N07-T2010 | 1/4          | 10          | 1/2-24  | 8.3  | 22.5 | 24   | 15   | 10   | 5.2 |
| N07-T2012 | 1/4          | 12          | M17-24  | 10.3 | 24   | 29.5 | 19   | 12   | 7   |
| N07-T3006 | 3/8          | 6           | M10-24  | 5.6  | 22.3 | 22.5 | 12   | 10   | 3   |
| N07-T3025 | 3/8          | 8           | 7/16-24 | 6.9  | 22.3 | 23   | 14   | 10   | 4.5 |
| N07-T3010 | 3/8          | 10          | 1/2-24  | 8.3  | 22.3 | 24   | 15   | 10   | 5.2 |
| N07-T3012 | 3/8          | 12          | M17-24  | 10.3 | 24.7 | 29.5 | 19   | 12   | 7   |
| N07-T4006 | 1/2          | 6           | M10-24  | 5.6  | 27.5 | 25   | 12   | 14   | 3   |
| N07-T4025 | 1/2          | 8           | 7/16-24 | 6.9  | 27.5 | 26   | 14   | 14   | 4.5 |
| N07-T4010 | 1/2          | 10          | 1/2-24  | 8.3  | 27.5 | 27   | 15   | 14   | 5.2 |
| N07-T4012 | 1/2          | 12          | M17-24  | 10.3 | 29.5 | 29.5 | 19   | 14   | 7   |

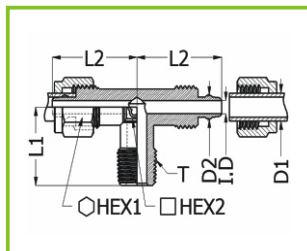
| 產品編號      | 管牙 T         | 適用管徑 D1     | 直牙      | D2  | L1   | L2   | HEX1 | HEX2 | I.D |
|-----------|--------------|-------------|---------|-----|------|------|------|------|-----|
| PART NO.  | PipeThread T | TubeSize D1 | Thread  |     |      |      |      |      |     |
| N07-T102  | 1/8          | 1/4         | M10-24  | 5.6 | 18.2 | 21.5 | 12   | 8.5  | 3   |
| N07-T1025 | 1/8          | 5/16        | 7/16-24 | 6.9 | 18.2 | 23   | 14   | 8.5  | 4.5 |
| N07-T103  | 1/8          | 3/8         | 1/2-24  | 8.3 | 18.2 | 24   | 15   | 8.5  | 5   |
| N07-T202  | 1/4          | 1/4         | M10-24  | 5.6 | 22.5 | 22   | 12   | 10   | 3   |
| N07-T2025 | 1/4          | 5/16        | 7/16-24 | 6.9 | 22.5 | 23   | 14   | 10   | 4.5 |
| N07-T203  | 1/4          | 3/8         | 1/2-24  | 8.3 | 22.5 | 24   | 15   | 10   | 5.2 |
| N07-T204  | 1/4          | 1/2         | M17-24  | 11  | 24   | 29.5 | 19   | 12   | 7   |
| N07-T302  | 3/8          | 1/4         | M10-24  | 5.6 | 22.3 | 22.5 | 12   | 10   | 3   |
| N07-T3025 | 3/8          | 5/16        | 7/16-24 | 6.9 | 22.3 | 23   | 14   | 10   | 4.5 |
| N07-T303  | 3/8          | 3/8         | 1/2-24  | 8.3 | 22.3 | 24   | 15   | 10   | 5.2 |
| N07-T304  | 3/8          | 1/2         | M17-24  | 11  | 24.7 | 29.5 | 19   | 12   | 7   |
| N07-T402  | 1/2          | 1/4         | M10-24  | 5.6 | 27.5 | 25   | 12   | 14   | 3   |
| N07-T4025 | 1/2          | 5/16        | 7/16-24 | 6.9 | 27.5 | 26   | 14   | 14   | 4.5 |
| N07-T403  | 1/2          | 3/8         | 1/2-24  | 8.3 | 27.5 | 27   | 15   | 14   | 5.2 |
| N07-T404  | 1/2          | 1/2         | M17-24  | 11  | 29.5 | 29.5 | 19   | 14   | 8   |





## N08

### 牙中三通 Male Branch Tee



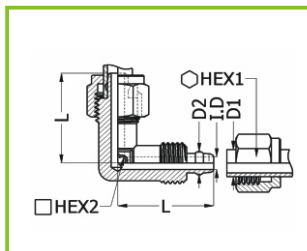
| 產品編號      | 管牙 T         | 適用管徑 D1     | 直牙      | D2   | L1   | L2   | HEX1 | HEX2 | I.D |
|-----------|--------------|-------------|---------|------|------|------|------|------|-----|
| PART NO.  | PipeThread T | TubeSize D1 | Thread  |      |      |      |      |      |     |
| N08-T1004 | 1/8          | 4           | M7×1.0  | 3.7  | 18.2 | 19.5 | 9    | 8.5  | 1.8 |
| N08-T1006 | 1/8          | 6           | M10-24  | 5.6  | 18.2 | 21.5 | 12   | 8.5  | 3   |
| N08-T1025 | 1/8          | 8           | 7/16-24 | 6.9  | 18.2 | 23   | 14   | 8.5  | 4.5 |
| N08-T1010 | 1/8          | 10          | 1/2-24  | 8.3  | 18.2 | 24   | 15   | 8.5  | 5   |
| N08-T2006 | 1/4          | 6           | M10-24  | 5.6  | 22.5 | 22   | 12   | 10   | 3   |
| N08-T2025 | 1/4          | 8           | 7/16-24 | 6.9  | 22.5 | 23   | 14   | 10   | 4.5 |
| N08-T2010 | 1/4          | 10          | 1/2-24  | 8.3  | 22.5 | 24   | 15   | 10   | 5.2 |
| N08-T2012 | 1/4          | 12          | M17-24  | 10.3 | 24   | 29.5 | 19   | 12   | 7   |
| N08-T3006 | 3/8          | 6           | M10-24  | 5.6  | 22.3 | 22   | 12   | 10   | 3   |
| N08-T3025 | 3/8          | 8           | 7/16-24 | 6.9  | 22.3 | 23   | 14   | 10   | 4.5 |
| N08-T3010 | 3/8          | 10          | 1/2-24  | 8.3  | 22.2 | 24   | 15   | 10   | 5.2 |
| N08-T3012 | 3/8          | 12          | M17-24  | 10.3 | 24.7 | 29.5 | 19   | 12   | 7   |
| N08-T4006 | 1/2          | 6           | M10-24  | 5.6  | 27.5 | 25.5 | 12   | 14   | 3   |
| N08-T4025 | 1/2          | 8           | 7/16-24 | 6.9  | 27.5 | 26   | 14   | 14   | 4.5 |
| N08-T4010 | 1/2          | 10          | 1/2-24  | 8.3  | 27.5 | 27   | 15   | 14   | 5.2 |
| N08-T4012 | 1/2          | 12          | M17-24  | 10.3 | 29.5 | 29.5 | 19   | 14   | 7   |

| 產品編號      | 管牙 T         | 適用管徑 D1     | 直牙      | D2  | L1   | L2   | HEX1 | HEX2 | I.D |
|-----------|--------------|-------------|---------|-----|------|------|------|------|-----|
| PART NO.  | PipeThread T | TubeSize D1 | Thread  |     |      |      |      |      |     |
| N08-T102  | 1/8          | 1/4         | M10-24  | 5.6 | 18.2 | 21.5 | 12   | 8.5  | 3   |
| N08-T1025 | 1/8          | 5/16        | 7/16-24 | 6.9 | 18.2 | 23   | 14   | 8.5  | 4.5 |
| N08-T103  | 1/8          | 3/8         | 1/2-24  | 8.3 | 18.2 | 24   | 15   | 8.5  | 5   |
| N08-T202  | 1/4          | 1/4         | M10-24  | 5.6 | 22.5 | 22   | 12   | 10   | 3   |
| N08-T2025 | 1/4          | 5/16        | 7/16-24 | 6.9 | 22.5 | 23   | 14   | 10   | 4.5 |
| N08-T203  | 1/4          | 3/8         | 1/2-24  | 8.3 | 22.5 | 24   | 15   | 10   | 5.2 |
| N08-T204  | 1/4          | 1/2         | M17-24  | 11  | 24   | 29.5 | 19   | 12   | 7   |
| N08-T302  | 3/8          | 1/4         | M10-24  | 5.6 | 22.3 | 22   | 12   | 10   | 3   |
| N08-T3025 | 3/8          | 5/16        | 7/16-24 | 6.9 | 22.3 | 23   | 14   | 10   | 4.5 |
| N08-T303  | 3/8          | 3/8         | 1/2-24  | 8.3 | 22.2 | 24   | 15   | 10   | 5.2 |
| N08-T304  | 3/8          | 1/2         | M17-24  | 11  | 24.7 | 29.5 | 19   | 12   | 7   |
| N08-T402  | 1/2          | 1/4         | M10-24  | 5.6 | 27.5 | 25.5 | 12   | 14   | 3   |
| N08-T4025 | 1/2          | 5/16        | 7/16-24 | 6.9 | 27.5 | 26   | 14   | 14   | 4.5 |
| N08-T403  | 1/2          | 3/8         | 1/2-24  | 8.3 | 27.5 | 27   | 15   | 14   | 5.2 |
| N08-T404  | 1/2          | 1/2         | M17-24  | 11  | 29.5 | 29.5 | 19   | 14   | 8   |



## N09

由任彎頭 Union Elbow

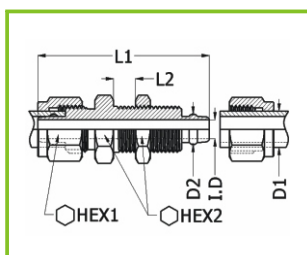


| 產品編號     | 適用管徑 D1     | 直牙      | D2   | L    | HEX1 | HEX2 | I.D |
|----------|-------------|---------|------|------|------|------|-----|
| PART NO. | TubeSize D1 | Thread  |      |      |      |      |     |
| N09-L04  | 4           | M7×1.0  | 3.7  | 20.2 | 9    | 8.5  | 1.8 |
| N09-L06  | 6           | M10-24  | 5.6  | 21.5 | 12   | 8.5  | 3   |
| N09-L25  | 8           | 7/16-24 | 6.9  | 23   | 14   | 8.5  | 4.5 |
| N09-L10  | 10          | 1/2-24  | 8.3  | 24   | 15   | 8.5  | 5.2 |
| N09-L12  | 12          | M17-24  | 10.3 | 29.5 | 19   | 12   | 7   |

| 產品編號     | 適用管徑 D1     | 直牙      | D2  | L    | HEX1 | HEX2 | I.D |
|----------|-------------|---------|-----|------|------|------|-----|
| PART NO. | TubeSize D1 | Thread  |     |      |      |      |     |
| N09-L2   | 1/4         | M10-24  | 5.6 | 21.5 | 12   | 8.5  | 3   |
| N09-L25  | 5/16        | 7/16-24 | 6.9 | 23   | 14   | 8.5  | 4.5 |
| N09-L3   | 3/8         | 1/2-24  | 8.3 | 24   | 15   | 8.5  | 5.2 |
| N09-L4   | 1/2         | M17-24  | 11  | 29.5 | 19   | 12   | 8   |

## N10

夾壁式由任接頭 Bulkhead Union



| 產品編號     | 適用管徑 D1     | 直牙      | D2  | L1   | L2 最小<br>L2 min | L2 最大<br>L2 max | HEX1 | HEX2 | I.D |
|----------|-------------|---------|-----|------|-----------------|-----------------|------|------|-----|
| PART NO. | TubeSize D1 | Thread  |     |      |                 |                 |      |      |     |
| N10-C06  | 6           | M10-24  | 5.6 | 43.5 | 2               | 7               | 12   | 16   | 3   |
| N10-C25  | 8           | 7/16-24 | 6.9 | 44.5 | 2               | 6               | 14   | 16   | 4.5 |
| N10-C10  | 10          | 1/2-24  | 8.3 | 46.5 | 2               | 6.5             | 15   | 16   | 5.2 |

| 產品編號     | 適用管徑 D1     | 直牙      | D2  | L1   | L2 最小<br>L2 min | L2 最大<br>L2 max | HEX1 | HEX2 | I.D |
|----------|-------------|---------|-----|------|-----------------|-----------------|------|------|-----|
| PART NO. | TubeSize D1 | Thread  |     |      |                 |                 |      |      |     |
| N10-C2   | 1/4         | M10-24  | 5.6 | 43.5 | 2               | 7               | 12   | 16   | 3   |
| N10-C25  | 5/16        | 7/16-24 | 6.9 | 44.5 | 2               | 6               | 14   | 16   | 4.5 |
| N10-C3   | 3/8         | 1/2-24  | 8.3 | 46.5 | 2               | 6.5             | 15   | 16   | 5.2 |



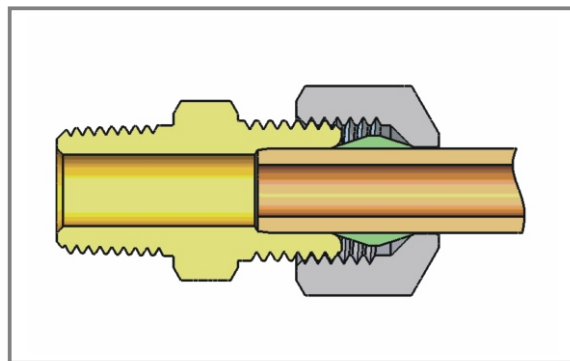
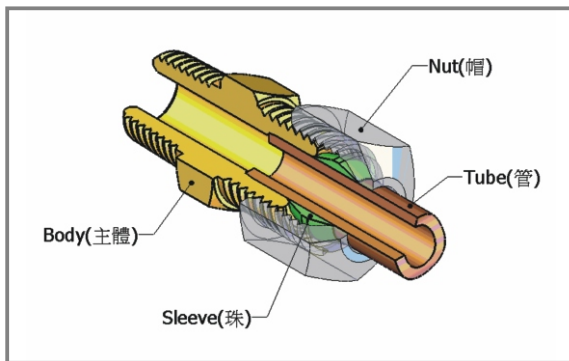
# S Compression Fittings

**S series**  
Compression Fittings  
銅珠套管系列





## S Compression Fittings 銅珠套管系列



### 特點

應用於液態流體或氣體之傳遞。  
不需擴孔, 焊接或做任何管子上的處理, 且容易組裝。  
用於紅銅, 黃銅, 鋁等金屬管, 不可用於鋼管。  
配合支撐插套則可使用於熱塑管 (或可參考NF系列產品)。  
此類接件是依據SAE-J512為參考標準而設計。

### 材質

接頭、銅珠、螺帽均採用黃銅JIS3604材質加工而成。  
彎頭、三通均採用黃銅JIS3771材質鍛造並加工而成。

### 工作溫度

金屬管使用於-54°C~ +121°C  
熱塑管則根據可使用之溫度而定。

### 工作壓力

使用金屬管  
100~140 Bar  
在室溫20°C的情況下使用熱塑管  
O.D. 1/8" 28Bar  
O.D. 1/4" 20Bar  
O.D. 3/8" 14Bar  
O.D. 1/2" 14Bar  
O.D. 5/8" 10Bar  
O.D. 3/4" 7Bar  
O.D. 7/8" 5Bar

### 組裝步驟

1. 正交的剪切管到所需長度, 並清除去管子毛邊。
2. 依序將螺帽與銅珠穿過管, 螺帽螺紋端要朝外側。
3. 將管子放入接件中, 確定碰觸到接件內孔底端。
4. 先用手旋緊螺帽與主體。
5. 再用板手順時鐘旋緊數圈, 旋緊圈數請依據下列表中數據進行。

### Characteristic

Use for liquids or air. No flaring, soldering or other preparation of tubing necessary to assemble.  
Use with copper, brass, aluminum and thermoplastic tubing.  
No recommended for steel tubing.

### Material

Connectors, nuts, sleeves are machined from brass JIS3604  
Elbows, tees are forged and machined from brass JIS3771

### Working Temperature

From -65°F~250°F with soft metal tubing.  
For thermoplastic tubing, see manufacturers recommendation.

### Working Pressure

With soft metal tubing  
1500PSI~2000PSI  
With thermoplastic tubing under 68° F temperature  
O.D. 1/8" 400PSI  
O.D. 1/4" 300PSI  
O.D. 3/8" 200PSI  
O.D. 1/2" 200PSI  
O.D. 5/8" 150PSI  
O.D. 3/4" 100PSI  
O.D. 7/8" 75PSI

### Assembly Instruction

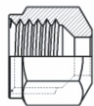
1. Cut tubing squarely and clean tube end to remove burrs.
2. Slide nut and sleeve onto tubing, place threaded end of nut face out.
3. Insert the tube into the fitting. Be sure the tube is bottomed on the fitting shoulder.
4. Assemble nut to body, and tighten "hand-tight".
5. Then follow the number of wrench turns as indicated in the following table.

| 管徑 TubeSize |        | 需要圈數 Turns required from hand-tight |                                  |
|-------------|--------|-------------------------------------|----------------------------------|
| Inch        | metric | 軟金屬管<br>With soft metal tubing      | 熱塑管<br>With thermoplastic tubing |
| 1/8"        | 4mm    | 1.5~2.5                             | -                                |
| 3/16"       | 5mm    | 1.5~2.5                             | -                                |
| 1/4"        | 6mm    | 1.5~2.5                             | 2.5                              |
| 5/16"       | 8mm    | 1.5~2.5                             | 2.5                              |
| 3/8"        | 10mm   | 2~3                                 | 3                                |
| 1/2"        | 12mm   | 2~3                                 | 3                                |
| 5/8"        | 15mm   | 2~3                                 | 3                                |
| 3/4"        | -      | 2~3                                 | 3                                |
| 7/8"        | -      | 2~3                                 | -                                |



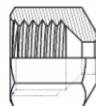
## Adapter

**S00**  
公制螺帽  
Metric Nut



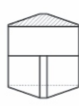
Page S 3

**S00**  
英制螺帽  
Inch Nut



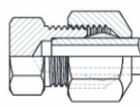
Page S 3

**S01**  
銅珠  
Sleeve



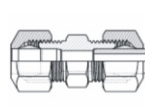
Page S 3

**S12**  
油塞  
Plug



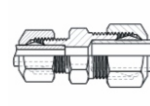
Page S 14

**S02**  
由任接頭  
Union



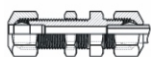
Page S 4

**S02**  
減壓由任接頭  
Union reducer



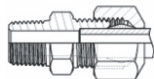
Page S 4

**S11**  
夾壁式由任接頭  
Bulkhead  
Union



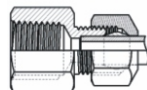
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**S05**  
外牙接頭  
Male  
Connector



Page S 6-S 7

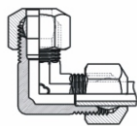
**S06**  
內牙接頭  
Female  
Connector



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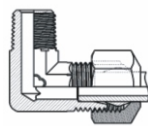
## Elbow

**S03**  
由任彎頭  
Union Elbow



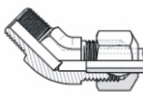
Page S 5

**S07**  
外牙彎頭  
Male Elbow



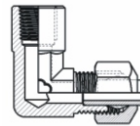
Page S 9-S 10

**S13**  
45° 外牙彎頭  
45° Male Elbow



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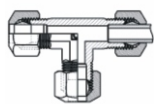
**S08**  
內牙彎頭  
Female Elbow



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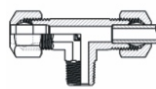
## Tee

**S04**  
由任三通  
Union Tee



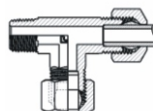
Page S 5

**S09**  
牙中三通  
Branch Tee



Page S 12

**S10**  
牙邊三通  
Run Tee



Page S 13

A / E  
Pipe Fittings

A / E  
Hose Barb

H  
45° Flared

S  
Compression

S B  
Bite Type

N  
Fast-In Fittings

N F  
Ferrule Quick

P  
Push-In Fittings

V  
Valves



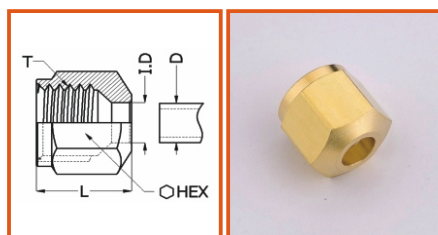
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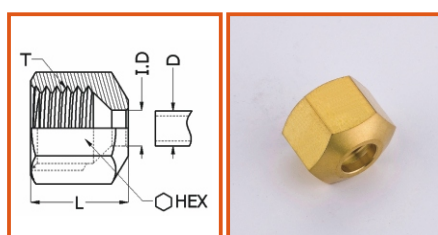


## S00

螺帽 Nut



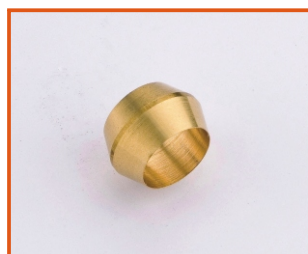
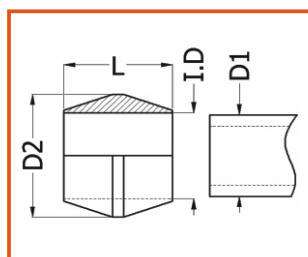
| 產品編號     | 適用管徑 D     | 直牙 T     | L    | HEX | I.D  |
|----------|------------|----------|------|-----|------|
| PART NO. | TubeSize D | Thread T |      |     |      |
| S00-04   | 4          | M8×1.0   | 9.3  | 9.5 | 4.3  |
| S00-05   | 5          | M10×1.0  | 10   | 12  | 5.3  |
| S00-2    | 6          | M11×1.0  | 11   | 14  | 6.7  |
| S00-25   | 8          | 1/2-24   | 12   | 16  | 8.3  |
| S00-10   | 10         | 9/16-24  | 12.5 | 17  | 10.3 |
| S00-12   | 12         | 11/16-20 | 14   | 21  | 12.3 |
| S00-M15  | 15         | 13/16-18 | 15   | 24  | 15.3 |



| 產品編號     | 適用管徑 D     | 直牙 T      | L    | HEX | I.D  |
|----------|------------|-----------|------|-----|------|
| PART NO. | TubeSize D | Thread T  |      |     |      |
| S00-1    | 1/8        | M8×1.0    | 9.3  | 9.5 | 3.5  |
| S00-05   | 3/16       | M10×1.0   | 10   | 12  | 5.3  |
| S00-2    | 1/4        | M11×1.0   | 11   | 14  | 6.7  |
| S00-25   | 5/16       | 1/2-24    | 12   | 16  | 8.3  |
| S00-3    | 3/8        | 9/16-24   | 12.5 | 17  | 9.9  |
| S00-4    | 1/2        | 11/16-20  | 14   | 21  | 13   |
| S00-5    | 5/8        | 13/16-18  | 15   | 24  | 16.2 |
| S00-6    | 3/4        | 1"-18     | 16.5 | 30  | 19.4 |
| S00-7    | 7/8        | 1 1/8"-18 | 17   | 32  | 22.5 |

## S01

銅珠 Sleeve



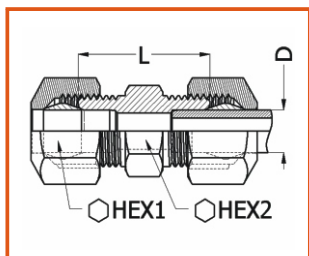
| 產品編號     | 適用管徑 D1     | L   | D2   | I.D  |
|----------|-------------|-----|------|------|
| PART NO. | TubeSize D1 |     |      |      |
| S01-04   | 4           | 5   | 6    | 4.2  |
| S01-05   | 5           | 6   | 7    | 5.2  |
| S01-06   | 6           | 6   | 8.5  | 6.2  |
| S01-10   | 10          | 8   | 12.5 | 10.2 |
| S01-12   | 12          | 8.5 | 15   | 12.2 |
| S01-M15  | 15          | 8   | 18   | 15.2 |

| 產品編號     | 適用管徑 D1     | L   | D2   | I.D  |
|----------|-------------|-----|------|------|
| PART NO. | TubeSize D1 |     |      |      |
| S01-1    | 1/8         | 5   | 5.5  | 3.3  |
| S01-15   | 3/16        | 6   | 7    | 4.9  |
| S01-2    | 1/4         | 6   | 8.5  | 6.5  |
| S01-25   | 5/16        | 7   | 11   | 8.2  |
| S01-3    | 3/8         | 8   | 12.5 | 9.7  |
| S01-4    | 1/2         | 8.5 | 15.9 | 12.9 |
| S01-5    | 5/8         | 8   | 19   | 16.1 |
| S01-6    | 3/4         | 8.5 | 22   | 19.3 |
| S01-7    | 7/8         | 9   | 25.4 | 22.4 |



## S02

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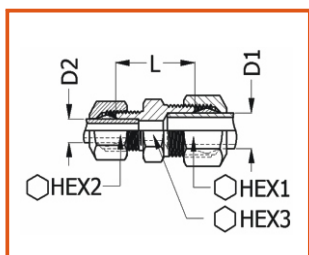


| 產品編號     | 適用管徑 D     | 直牙       | L  | HEX1 | HEX2 |
|----------|------------|----------|----|------|------|
| PART NO. | TubeSize D | Thread   |    |      |      |
| S02-C05  | 5          | M10×1.0  | 21 | 12   | 12   |
| S02-C06  | 6          | M11×1.0  | 22 | 14   | 12   |
| S02-C25  | 8          | 1/2-24   | 23 | 16   | 14   |
| S02-C10  | 10         | 9/16-24  | 24 | 17   | 15   |
| S02-C12  | 12         | 11/16-20 | 26 | 21   | 19   |
| S02-CM15 | 15         | 13/16-18 | 29 | 24   | 21   |

| 產品編號     | 適用管徑 D     | 直牙        | L  | HEX1 | HEX2 |
|----------|------------|-----------|----|------|------|
| PART NO. | TubeSize D | Thread    |    |      |      |
| S02-C1   | 1/8        | M8×1.0    | 20 | 9.5  | 12   |
| S02-C15  | 3/16       | M10×1.0   | 21 | 12   | 12   |
| S02-C2   | 1/4        | M11×1.0   | 22 | 14   | 12   |
| S02-C25  | 5/16       | 1/2-24    | 23 | 16   | 14   |
| S02-C3   | 3/8        | 9/16-24   | 24 | 17   | 15   |
| S02-C4   | 1/2        | 11/16-20  | 26 | 21   | 19   |
| S02-C5   | 5/8        | 13/16-18  | 29 | 24   | 21   |
| S02-C6   | 3/4        | 1"-18     | 31 | 30   | 26   |
| S02-C7   | 7/8        | 1 1/8"-18 | 32 | 32   | 30   |

## S02

減壓由任接頭 Union Reducer



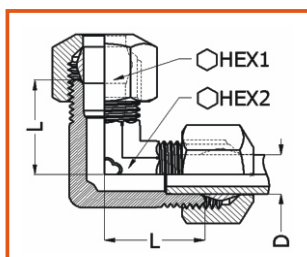
| 產品編號       | 適用管徑 D1     | D1 直牙     | 適用管徑 D2     | D2 直牙     | L    | HEX1 | HEX2 | HEX3 |
|------------|-------------|-----------|-------------|-----------|------|------|------|------|
| PART NO.   | TubeSize D1 | D1 Thread | TubeSize D2 | D2 Thread |      |      |      |      |
| S02-C06010 | 10          | 9/16-24   | 6           | M11×1.0   | 23   | 17   | 14   | 15   |
| S02-C10012 | 12          | 11/16-20  | 10          | 9/16-24   | 25.5 | 21   | 17   | 19   |

| 產品編號     | 適用管徑 D1     | D1 直牙     | 適用管徑 D2     | D2 直牙     | L    | HEX1 | HEX2 | HEX3 |
|----------|-------------|-----------|-------------|-----------|------|------|------|------|
| PART NO. | TubeSize D1 | D1 Thread | TubeSize D2 | D2 Thread |      |      |      |      |
| S02-C203 | 3/8         | 9/16-24   | 1/4         | M11×1.0   | 23   | 17   | 14   | 15   |
| S02-C304 | 1/2         | 11/16-20  | 3/8         | 9/16-24   | 25.5 | 21   | 17   | 19   |
| S02-C305 | 5/8         | 13/16-18  | 3/8         | 9/16-24   | 27   | 24   | 17   | 21   |



## S03

由任彎頭 Union Elbow

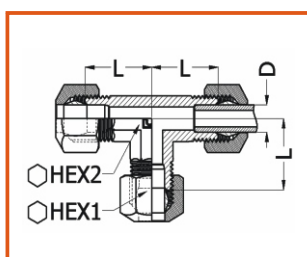


| 產品編號     | 適用管徑 D     | 直牙       | L    | HEX1 | HEX2 |
|----------|------------|----------|------|------|------|
| PART NO. | TubeSize D | Thread   |      |      |      |
| S03-L05  | 5          | M10×1.0  | 15.5 | 12   | 9.5  |
| S03-L06  | 6          | M11×1.0  | 16.5 | 14   | 9.5  |
| S03-L25  | 8          | 1/2-24   | 19.2 | 16   | 11   |
| S03-L10  | 10         | 9/16-24  | 21   | 17   | 13   |
| S03-L12  | 12         | 11/16-20 | 23   | 21   | 13   |
| S03-LM15 | 15         | 13/16-18 | 26   | 24   | 17   |

| 產品編號     | 適用管徑 D     | 直牙       | L    | HEX1 | HEX2 |
|----------|------------|----------|------|------|------|
| PART NO. | TubeSize D | Thread   |      |      |      |
| S03-L1   | 1/8        | M8×1.0   | 15   | 9.5  | 9.5  |
| S03-L15  | 3/16       | M10×1.0  | 15.5 | 12   | 9.5  |
| S03-L2   | 1/4        | M11×1.0  | 16.5 | 14   | 9.5  |
| S03-L25  | 5/16       | 1/2-24   | 19.2 | 16   | 11   |
| S03-L3   | 3/8        | 9/16-24  | 21   | 17   | 13   |
| S03-L4   | 1/2        | 11/16-20 | 23   | 21   | 13   |
| S03-L5   | 5/8        | 13/16-18 | 26   | 24   | 17   |
| S03-L6   | 3/4        | 1"-18    | 27.9 | 30   | 21   |

## S04

由任三通 Union Tee



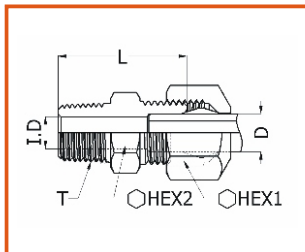
| 產品編號     | 適用管徑 D     | 直牙       | L    | HEX1 | HEX2 |
|----------|------------|----------|------|------|------|
| PART NO. | TubeSize D | Thread   |      |      |      |
| S04-T05  | 5          | M10×1.0  | 16.5 | 12   | 9.5  |
| S04-T06  | 6          | M11×1.0  | 18   | 14   | 9.5  |
| S04-T25  | 8          | 1/2-24   | 18.5 | 16   | 11   |
| S04-T10  | 10         | 9/16-24  | 21   | 17   | 12   |
| S04-T12  | 12         | 11/16-20 | 25   | 21   | 15   |

| 產品編號     | 適用管徑 D     | 直牙       | L    | HEX1 | HEX2 |
|----------|------------|----------|------|------|------|
| PART NO. | TubeSize D | Thread   |      |      |      |
| S04-T1   | 1/8        | M8×1.0   | 15.5 | 9.5  | 9.5  |
| S04-T15  | 3/16       | M10×1.0  | 16.5 | 12   | 9.5  |
| S04-T2   | 1/4        | M11×1.0  | 18   | 14   | 9.5  |
| S04-T25  | 5/16       | 1/2-24   | 18.5 | 16   | 11   |
| S04-T3   | 3/8        | 9/16-24  | 21   | 17   | 12   |
| S04-T4   | 1/2        | 11/16-20 | 25   | 21   | 15   |
| S04-T5   | 5/8        | 13/16-18 | 28   | 24   | 17   |



## S05

外牙接頭 Male Connector



| 產品編號       | 適用管徑 D     | 管牙 T         | 直 牙      | I.D  | L    | HEX1 | HEX2 |
|------------|------------|--------------|----------|------|------|------|------|
| PART NO.   | TubeSize D | PipeThread T | Thread   |      |      |      |      |
| S05-C1004  | 4          | 1/8          | M8×1.0   | 3.5  | 21   | 9.5  | 12   |
| S05-C1005  | 5          | 1/8          | M10×1.0  | 4    | 21.5 | 12   | 12   |
| S05-C1006  | 6          | 1/8          | M11×1.0  | 5.5  | 22   | 14   | 12   |
| S05-C1025  | 8          | 1/8          | 1/2-24   | 5.5  | 22.5 | 16   | 14   |
| S05-C1010  | 10         | 1/8          | 9/16-24  | 5.5  | 23   | 17   | 15   |
| S05-C2004  | 4          | 1/4          | M8×1.0   | 3.5  | 24   | 9.5  | 14   |
| S05-C2005  | 5          | 1/4          | M10×1.0  | 4    | 24.5 | 12   | 14   |
| S05-C2006  | 6          | 1/4          | M11×1.0  | 5.5  | 25   | 14   | 14   |
| S05-C2025  | 8          | 1/4          | 1/2-24   | 7    | 25.5 | 16   | 14   |
| S05-C2010  | 10         | 1/4          | 9/16-24  | 8    | 26   | 17   | 15   |
| S05-C2012  | 12         | 1/4          | 11/16-20 | 8    | 27.5 | 21   | 19   |
| S05-C3006  | 6          | 3/8          | M11×1.0  | 5.5  | 25   | 14   | 17   |
| S05-C3025  | 8          | 3/8          | 1/2-24   | 7    | 25.5 | 16   | 17   |
| S05-C3010  | 10         | 3/8          | 9/16-24  | 8    | 26   | 17   | 17   |
| S05-C3012  | 12         | 3/8          | 11/16-20 | 10.5 | 27.5 | 21   | 19   |
| S05-C30M15 | 15         | 3/8          | 13/16-18 | 10.5 | 29.5 | 24   | 21   |
| S05-C4006  | 6          | 1/2          | M11×1.0  | 5.5  | 28.5 | 14   | 21   |
| S05-C4025  | 8          | 1/2          | 1/2-24   | 7    | 29   | 16   | 21   |
| S05-C4010  | 10         | 1/2          | 9/16-24  | 8    | 29.5 | 17   | 21   |
| S05-C4012  | 12         | 1/2          | 11/16-20 | 11   | 30   | 21   | 21   |
| S05-C40M15 | 15         | 1/2          | 13/16-18 | 14   | 32   | 24   | 21   |

A / E  
Pipe Fittings

A / E  
Hose Barb

H  
45° Flared

S  
Compression

S B  
Bite Type

N  
Fast-In Fittings

N F  
Ferrule Quick

P  
Push-In Fittings

V  
Valves



## S05

外牙接頭 Male Connector

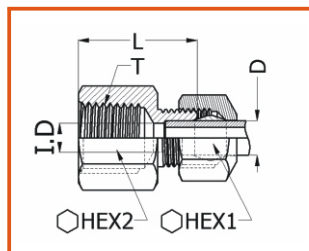
| 產品編號      | 適用管徑 D     | 管牙 T         | 直 牙      | I.D  | L    | HEX1 | HEX2 |
|-----------|------------|--------------|----------|------|------|------|------|
| PART NO.  | TubeSize D | PipeThread T | Thread   |      |      |      |      |
| S05-C101  | 1/8        | 1/8          | M8×1.0   | 3    | 21   | 9.5  | 12   |
| S05-C1015 | 3/16       | 1/8          | M10×1.0  | 4    | 21.5 | 12   | 12   |
| S05-C102  | 1/4        | 1/8          | M11×1.0  | 5.5  | 22   | 14   | 12   |
| S05-C1025 | 5/16       | 1/8          | 1/2-24   | 5.5  | 22.5 | 16   | 14   |
| S05-C103  | 3/8        | 1/8          | 9/16-24  | 5.5  | 23   | 17   | 15   |
| S05-C201  | 1/8        | 1/4          | M8×1.0   | 3    | 24   | 9.5  | 14   |
| S05-C2015 | 3/16       | 1/4          | M10×1.0  | 4    | 24.5 | 12   | 14   |
| S05-C202  | 1/4        | 1/4          | M11×1.0  | 5.5  | 25   | 14   | 14   |
| S05-C2025 | 5/16       | 1/4          | 1/2-24   | 7    | 25.5 | 16   | 14   |
| S05-C203  | 3/8        | 1/4          | 9/16-24  | 8    | 26   | 17   | 15   |
| S05-C204  | 1/2        | 1/4          | 11/16-20 | 8    | 27.5 | 21   | 19   |
| S05-C302  | 1/4        | 3/8          | M11×1.0  | 5.5  | 25   | 14   | 17   |
| S05-C3025 | 5/16       | 3/8          | 1/2-24   | 7    | 25.5 | 16   | 17   |
| S05-C303  | 3/8        | 3/8          | 9/16-24  | 8    | 26   | 17   | 17   |
| S05-C304  | 1/2        | 3/8          | 11/16-20 | 10.5 | 27.5 | 21   | 19   |
| S05-C305  | 5/8        | 3/8          | 13/16-18 | 10.5 | 29.5 | 24   | 21   |
| S05-C402  | 1/4        | 1/2          | M11×1.0  | 5.5  | 28.5 | 14   | 21   |
| S05-C4025 | 5/16       | 1/2          | 1/2-24   | 7    | 29   | 16   | 21   |
| S05-C403  | 3/8        | 1/2          | 9/16-24  | 8    | 29.5 | 17   | 21   |
| S05-C404  | 1/2        | 1/2          | 11/16-20 | 11   | 30   | 21   | 21   |
| S05-C405  | 5/8        | 1/2          | 13/16-18 | 14   | 32   | 24   | 21   |
| S05-C603  | 3/8        | 3/4          | 9/16-24  | 8    | 31   | 17   | 27   |
| S05-C604  | 1/2        | 3/4          | 11/16-20 | 11   | 31.5 | 21   | 27   |
| S05-C605  | 5/8        | 3/4          | 13/16-18 | 14   | 33.5 | 24   | 27   |
| S05-C606  | 3/4        | 3/4          | 1"-18    | 16   | 34.5 | 30   | 27   |





## S06

### 內牙接頭 Female Connector



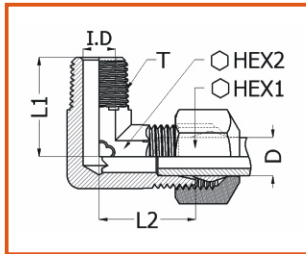
| 產品編號        | 適用管徑 D     | 內管牙 T        | 直牙       | I.D  | L    | HEX1 | HEX2 |
|-------------|------------|--------------|----------|------|------|------|------|
| PART NO.    | TubeSize D | PipeThread T | Thread   |      |      |      |      |
| S06-CM1004  | 4          | 1/8          | M8×1.0   | 3.5  | 19   | 9.5  | 12   |
| S06-CM1005  | 5          | 1/8          | M10×1.0  | 4    | 19.5 | 12   | 12   |
| S06-CM1006  | 6          | 1/8          | M11×1.0  | 5.5  | 20   | 14   | 12   |
| S06-CM1025  | 8          | 1/8          | 1/2-24   | 7    | 20   | 16   | 12.7 |
| S06-CM1010  | 10         | 1/8          | 9/16-24  | 8    | 20   | 17   | 15   |
| S06-CM2005  | 5          | 1/4          | M10×1.0  | 4    | 22.5 | 12   | 17   |
| S06-CM2006  | 6          | 1/4          | M11×1.0  | 5.5  | 23   | 14   | 17   |
| S06-CM2025  | 8          | 1/4          | 1/2-24   | 7    | 23.5 | 16   | 17   |
| S06-CM2010  | 10         | 1/4          | 9/16-24  | 8    | 24   | 17   | 17   |
| S06-CM2012  | 12         | 1/4          | 11/16-20 | 11.4 | 22.5 | 21   | 19   |
| S06-CM3006  | 6          | 3/8          | M11×1.0  | 5.5  | 23   | 14   | 21   |
| S06-CM3025  | 8          | 3/8          | 1/2-24   | 7    | 23.5 | 16   | 21   |
| S06-CM3010  | 10         | 3/8          | 9/16-24  | 8    | 24   | 17   | 21   |
| S06-CM3012  | 12         | 3/8          | 11/16-20 | 11   | 24.5 | 21   | 21   |
| S06-CM4006  | 6          | 1/2          | M11×1.0  | 5.5  | 26   | 14   | 24   |
| S06-CM4025  | 8          | 1/2          | 1/2-24   | 7    | 26.5 | 16   | 24   |
| S06-CM4010  | 10         | 1/2          | 9/16-24  | 8    | 27   | 17   | 24   |
| S06-CM4012  | 12         | 1/2          | 11/16-20 | 11   | 27.5 | 21   | 24   |
| S06-CM40M15 | 15         | 1/2          | 13/16-18 | 14   | 29.5 | 24   | 24   |

| 產品編號       | 適用管徑 D    | 內管牙 T        | 直牙       | I.D  | L    | HEX1 | HEX2 |
|------------|-----------|--------------|----------|------|------|------|------|
| PART NO.   | TubeSizeD | PipeThread T | Thread   |      |      |      |      |
| S06-CM101  | 1/8       | 1/8          | M8×1.0   | 3    | 19   | 9.5  | 12   |
| S06-CM1015 | 3/16      | 1/8          | M10×1.0  | 4    | 19.5 | 12   | 12   |
| S06-CM102  | 1/4       | 1/8          | M11×1.0  | 5.5  | 20   | 14   | 12   |
| S06-CM1025 | 5/16      | 1/8          | 1/2-24   | 7    | 20   | 16   | 12.7 |
| S06-CM103  | 3/8       | 1/8          | 9/16-24  | 8    | 20   | 17   | 15   |
| S06-CM2015 | 3/16      | 1/4          | M10×1.0  | 4    | 22.5 | 12   | 17   |
| S06-CM202  | 1/4       | 1/4          | M11×1.0  | 5.5  | 23   | 14   | 17   |
| S06-CM2025 | 5/16      | 1/4          | 1/2-24   | 7    | 23.5 | 16   | 17   |
| S06-CM203  | 3/8       | 1/4          | 9/16-24  | 8    | 24   | 17   | 17   |
| S06-CM204  | 1/2       | 1/4          | 11/16-20 | 11.4 | 22.5 | 21   | 19   |
| S06-CM302  | 1/4       | 3/8          | M11×1.0  | 5.5  | 23   | 14   | 21   |
| S06-CM3025 | 5/16      | 3/8          | 1/2-24   | 7    | 23.5 | 16   | 21   |
| S06-CM303  | 3/8       | 3/8          | 9/16-24  | 8    | 24   | 17   | 21   |
| S06-CM304  | 1/2       | 3/8          | 11/16-20 | 11   | 24.5 | 21   | 21   |
| S06-CM305  | 5/8       | 3/8          | 13/16-18 | 14   | 25.5 | 24   | 21   |
| S06-CM402  | 1/4       | 1/2          | M11×1.0  | 5.5  | 26   | 14   | 24   |
| S06-CM4025 | 5/16      | 1/2          | 1/2-24   | 7    | 26.5 | 16   | 24   |
| S06-CM403  | 3/8       | 1/2          | 9/16-24  | 8    | 27   | 17   | 24   |
| S06-CM404  | 1/2       | 1/2          | 11/16-20 | 11   | 27.5 | 21   | 24   |
| S06-CM405  | 5/8       | 1/2          | 13/16-18 | 14   | 29.5 | 24   | 24   |



## S07

### 外牙彎頭 Male Elbow



| 產品編號       | 適用管徑 D     | 管牙 T         | 直 牙      | I.D  | L1   | L2   | HEX1 | HEX2 |
|------------|------------|--------------|----------|------|------|------|------|------|
| PART NO.   | TubeSize D | PipeThread T | Thread   |      |      |      |      |      |
| S07-L1004  | 4          | 1/8          | M8×1.0   | 3.5  | 17   | 15   | 9.5  | 9.5  |
| S07-L1005  | 5          | 1/8          | M10×1.0  | 4    | 17   | 15.5 | 12   | 9.5  |
| S07-L1006  | 6          | 1/8          | M11×1.0  | 5.5  | 17   | 16.5 | 14   | 9.5  |
| S07-L1025  | 8          | 1/8          | 1/2-24   | 5.5  | 18.4 | 18.4 | 16   | 10.5 |
| S07-L1010  | 10         | 1/8          | 9/16-24  | 5.5  | 20   | 21   | 17   | 13   |
| S07-L2004  | 4          | 1/4          | M8×1.0   | 3.5  | 22.2 | 17.1 | 9.5  | 11   |
| S07-L2005  | 5          | 1/4          | M10×1.0  | 4    | 22.2 | 17.1 | 12   | 11   |
| S07-L2006  | 6          | 1/4          | M11×1.0  | 5.5  | 22.2 | 18.1 | 14   | 11   |
| S07-L2025  | 8          | 1/4          | 1/2-24   | 7    | 23.2 | 18.7 | 16   | 11   |
| S07-L2010  | 10         | 1/4          | 9/16-24  | 8    | 23   | 21   | 17   | 13   |
| S07-L2012  | 12         | 1/4          | 11/16-20 | 8    | 23   | 23   | 21   | 13   |
| S07-L3006  | 6          | 3/8          | M11×1.0  | 5.5  | 23.2 | 18.7 | 14   | 11   |
| S07-L3025  | 8          | 3/8          | 1/2-24   | 7    | 23.2 | 19.2 | 16   | 11   |
| S07-L3010  | 10         | 3/8          | 9/16-24  | 8    | 24   | 21   | 17   | 13   |
| S07-L3012  | 12         | 3/8          | 11/16-20 | 9    | 24   | 23   | 21   | 13   |
| S07-L30M15 | 15         | 3/8          | 13/16-18 | 10.5 | 26.8 | 25.8 | 24   | 15   |
| S07-L4006  | 6          | 1/2          | M11×1.0  | 5.5  | 29.3 | 22.3 | 14   | 15   |
| S07-L4025  | 8          | 1/2          | 1/2-24   | 7    | 29.3 | 22.8 | 16   | 15   |
| S07-L4010  | 10         | 1/2          | 9/16-24  | 8    | 28.8 | 22.3 | 17   | 15   |
| S07-L4012  | 12         | 1/2          | 11/16-20 | 11   | 29.3 | 25.3 | 21   | 15   |
| S07-L40M15 | 15         | 1/2          | 13/16-18 | 13   | 29.7 | 26.2 | 24   | 17   |



## S07

外牙彎頭 Male Elbow

| 產品編號      | 適用管徑 D     | 管牙 T         | 直 牙      | I.D  | L1   | L2   | HEX1 | HEX2 |
|-----------|------------|--------------|----------|------|------|------|------|------|
| PART NO.  | TubeSize D | PipeThread T | Thread   |      |      |      |      |      |
| S07-L101  | 1/8        | 1/8          | M8×1.0   | 3    | 17   | 15   | 9.5  | 9.5  |
| S07-L1015 | 3/16       | 1/8          | M10×1.0  | 4    | 17   | 15.5 | 12   | 9.5  |
| S07-L102  | 1/4        | 1/8          | M11×1.0  | 5.5  | 17   | 16.5 | 14   | 9.5  |
| S07-L1025 | 5/16       | 1/8          | 1/2-24   | 5.5  | 18.4 | 18.4 | 16   | 10.5 |
| S07-L103  | 3/8        | 1/8          | 9/16-24  | 5.5  | 20   | 21   | 17   | 13   |
| S07-L201  | 1/8        | 1/4          | M8×1.0   | 3    | 22.2 | 17.1 | 9.5  | 11   |
| S07-L2015 | 3/16       | 1/4          | M10×1.0  | 4    | 22.2 | 17.1 | 12   | 11   |
| S07-L202  | 1/4        | 1/4          | M11×1.0  | 5.5  | 22.2 | 18.1 | 14   | 11   |
| S07-L2025 | 5/16       | 1/4          | 1/2-24   | 7    | 23.2 | 18.7 | 16   | 11   |
| S07-L203  | 3/8        | 1/4          | 9/16-24  | 8    | 23   | 21   | 17   | 13   |
| S07-L204  | 1/2        | 1/4          | 11/16-20 | 8    | 23   | 23   | 21   | 13   |
| S07-L302  | 1/4        | 3/8          | M11×1.0  | 5.5  | 23.2 | 18.7 | 14   | 11   |
| S07-L3025 | 5/16       | 3/8          | 1/2-24   | 7    | 23.2 | 19.2 | 16   | 11   |
| S07-L303  | 3/8        | 3/8          | 9/16-24  | 8    | 24   | 21   | 17   | 13   |
| S07-L304  | 1/2        | 3/8          | 11/16-20 | 9    | 24   | 23   | 21   | 13   |
| S07-L305  | 5/8        | 3/8          | 13/16-18 | 10.5 | 26.8 | 25.8 | 24   | 15   |
| S07-L402  | 1/4        | 1/2          | M11×1.0  | 5.5  | 29.3 | 22.3 | 14   | 15   |
| S07-L4025 | 5/16       | 1/2          | 1/2-24   | 7    | 29.3 | 22.8 | 16   | 15   |
| S07-L403  | 3/8        | 1/2          | 9/16-24  | 8    | 29.3 | 23.3 | 17   | 15   |
| S07-L404  | 1/2        | 1/2          | 11/16-20 | 11   | 29.3 | 25.3 | 21   | 15   |
| S07-L405  | 5/8        | 1/2          | 13/16-18 | 13   | 29.7 | 26.2 | 24   | 17   |
| S07-L406  | 3/4        | 1/2          | 1"-18    | 13   | 33.5 | 28.5 | 30   | 17   |

A/E  
Pipe Fittings

A/E  
Hose Barb

H  
45° Flared

S  
Compression

S/B  
Bite Type

N  
Fast-In Fittings

N/F  
Ferrule Quick

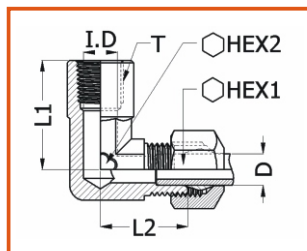
P  
Push-In Fittings

V  
Valves



## S08

### 內牙彎頭 Female Elbow



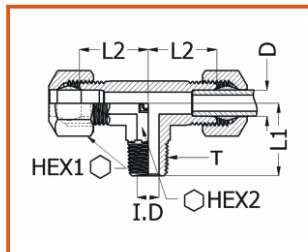
| 產品編號       | 適用管徑 D     | 內管牙 T         | 直 牙      | I.D | L1   | L2   | HEX1 | HEX2 |
|------------|------------|---------------|----------|-----|------|------|------|------|
| PART NO.   | TubeSize D | Pipe Thread T | Thread   |     |      |      |      |      |
| S08-LM1004 | 4          | 1/8           | M8×1.0   | 3.5 | 22.7 | 17.1 | 9.5  | 11   |
| S08-LM1005 | 5          | 1/8           | M10×1.0  | 4   | 22.7 | 17.1 | 12   | 11   |
| S08-LM1006 | 6          | 1/8           | M11×1.0  | 5.5 | 22.7 | 18.1 | 14   | 11   |
| S08-LM1025 | 8          | 1/8           | 1/2-24   | 7   | 23.2 | 18.7 | 16   | 11   |
| S08-LM1010 | 10         | 1/8           | 9/16-24  | 8   | 23.5 | 21   | 17   | 13   |
| S08-LM2006 | 6          | 1/4           | M11×1.0  | 5.5 | 26.1 | 18.7 | 14   | 11   |
| S08-LM2025 | 8          | 1/4           | 1/2-24   | 7   | 26.1 | 19.2 | 16   | 11   |
| S08-LM2010 | 10         | 1/4           | 9/16-24  | 8   | 26.5 | 21   | 17   | 13   |
| S08-LM2012 | 12         | 1/4           | 11/16-20 | 9   | 27.5 | 23   | 21   | 13   |
| S08-LM3006 | 6          | 3/8           | M11×1.0  | 5.5 | 28.8 | 22.3 | 14   | 15   |
| S08-LM3025 | 8          | 3/8           | 1/2-24   | 7   | 28.8 | 22.8 | 16   | 15   |
| S08-LM3010 | 10         | 3/8           | 9/16-24  | 8   | 28.8 | 23.3 | 17   | 15   |
| S08-LM3012 | 12         | 3/8           | 11/16-20 | 11  | 28.8 | 25.3 | 21   | 15   |

| 產品編號       | 適用管徑 D     | 內管牙 T         | 直 牙      | I.D | L1   | L2   | HEX1 | HEX2 |
|------------|------------|---------------|----------|-----|------|------|------|------|
| PART NO.   | TubeSize D | Pipe Thread T | Thread   |     |      |      |      |      |
| S08-LM1015 | 3/16       | 1/8           | M10×1.0  | 4   | 22.7 | 17.1 | 12   | 11   |
| S08-LM102  | 1/4        | 1/8           | M11×1.0  | 5.5 | 22.7 | 18.1 | 14   | 11   |
| S08-LM1025 | 5/16       | 1/8           | 1/2-24   | 7   | 23.2 | 18.7 | 16   | 11   |
| S08-LM103  | 3/8        | 1/8           | 9/16-24  | 8   | 23.5 | 21   | 17   | 13   |
| S08-LM202  | 1/4        | 1/4           | M11×1.0  | 5.5 | 26.1 | 18.7 | 14   | 11   |
| S08-LM2025 | 5/16       | 1/4           | 1/2-24   | 7   | 26.1 | 19.2 | 16   | 11   |
| S08-LM203  | 3/8        | 1/4           | 9/16-24  | 8   | 26.5 | 21   | 17   | 13   |
| S08-LM204  | 1/2        | 1/4           | 11/16-20 | 9   | 27.5 | 22   | 21   | 13   |
| S08-LM302  | 1/4        | 3/8           | M11×1.0  | 5.5 | 28.8 | 22.3 | 14   | 15   |
| S08-LM3025 | 5/16       | 3/8           | 1/2-24   | 7   | 28.8 | 22.8 | 16   | 15   |
| S08-LM303  | 3/8        | 3/8           | 9/16-24  | 8   | 28.8 | 23.3 | 17   | 15   |
| S08-LM304  | 1/2        | 3/8           | 11/16-20 | 11  | 28.8 | 25.3 | 21   | 15   |



## S09

### 牙中三通 Branch Tee



| 產品編號       | 適用管徑 D     | 管 牙 T         | 直 牙      | I.D  | L1   | L2   | HEX1 | HEX2 |
|------------|------------|---------------|----------|------|------|------|------|------|
| PART NO.   | TubeSize D | Pipe Thread T | Thread   |      |      |      |      |      |
| S09-T1006  | 6          | 1/8           | M11×1.0  | 5.5  | 18   | 18   | 14   | 9.5  |
| S09-T1025  | 8          | 1/8           | 1/2-24   | 5.5  | 18.5 | 18.5 | 16   | 11   |
| S09-T1010  | 10         | 1/8           | 9/16-24  | 5.5  | 20   | 21   | 17   | 12   |
| S09-T2006  | 6          | 1/4           | M11×1.0  | 5.5  | 21.5 | 18   | 14   | 11   |
| S09-T2025  | 8          | 1/4           | 1/2-24   | 7    | 21.5 | 18.5 | 16   | 11   |
| S09-T2010  | 10         | 1/4           | 9/16-24  | 8    | 23   | 21   | 17   | 12   |
| S09-T2012  | 12         | 1/4           | 11/16-20 | 8    | 25   | 25   | 21   | 15   |
| S09-T3006  | 6          | 3/8           | M11×1.0  | 5.5  | 23.5 | 19.5 | 14   | 12   |
| S09-T3025  | 8          | 3/8           | 1/2-24   | 7    | 23.5 | 20   | 16   | 12   |
| S09-T3010  | 10         | 3/8           | 9/16-24  | 8    | 23.5 | 21   | 17   | 12   |
| S09-T3012  | 12         | 3/8           | 11/16-20 | 10.5 | 26   | 25   | 21   | 15   |
| S09-T30M15 | 15         | 3/8           | 13/16-18 | 11   | 25.5 | 26   | 24   | 17   |
| S09-T4006  | 6          | 1/2           | M11×1.0  | 5.5  | 29.4 | 21.5 | 14   | 15   |
| S09-T4025  | 8          | 1/2           | 1/2-24   | 7    | 29.4 | 22   | 16   | 15   |
| S09-T4010  | 10         | 1/2           | 9/16-24  | 8    | 29.4 | 22.5 | 17   | 15   |
| S09-T4012  | 12         | 1/2           | 11/16-20 | 11   | 29.4 | 25   | 21   | 15   |
| S09-T40M15 | 15         | 1/2           | 13/16-18 | 13   | 29.5 | 26   | 24   | 17   |

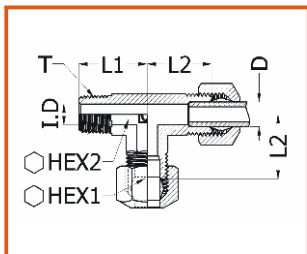
| 產品編號      | 適用管徑 D     | 管 牙 T         | 直 牙      | I.D  | L1   | L2   | HEX1 | HEX2 |
|-----------|------------|---------------|----------|------|------|------|------|------|
| PART NO.  | TubeSize D | Pipe Thread T | Thread   |      |      |      |      |      |
| S09-T102  | 1/4        | 1/8           | M11×1.0  | 5.5  | 18   | 18   | 14   | 9.5  |
| S09-T1025 | 5/16       | 1/8           | 1/2-24   | 5.5  | 18.5 | 18.5 | 16   | 11   |
| S09-T103  | 3/8        | 1/8           | 9/16-24  | 5.5  | 20   | 21   | 17   | 12   |
| S09-T202  | 1/4        | 1/4           | M11×1.0  | 5.5  | 21.5 | 18   | 14   | 11   |
| S09-T2025 | 5/16       | 1/4           | 1/2-24   | 7    | 21.5 | 18.5 | 16   | 11   |
| S09-T203  | 3/8        | 1/4           | 9/16-24  | 8    | 23   | 21   | 17   | 12   |
| S09-T204  | 1/2        | 1/4           | 11/16-20 | 8    | 25   | 25   | 21   | 15   |
| S09-T302  | 1/4        | 3/8           | M11×1.0  | 5.5  | 23.5 | 19.5 | 14   | 12   |
| S09-T3025 | 5/16       | 3/8           | 1/2-24   | 7    | 23.5 | 20   | 16   | 12   |
| S09-T303  | 3/8        | 3/8           | 9/16-24  | 8    | 23.5 | 21   | 17   | 12   |
| S09-T304  | 1/2        | 3/8           | 11/16-20 | 10.5 | 26   | 25   | 21   | 15   |
| S09-T305  | 5/8        | 3/8           | 13/16-18 | 11   | 25.5 | 26   | 24   | 17   |
| S09-T402  | 1/4        | 1/2           | M11×1.0  | 5.5  | 29.4 | 21.5 | 14   | 15   |
| S09-T4025 | 5/16       | 1/2           | 1/2-24   | 7    | 29.4 | 22   | 16   | 15   |
| S09-T403  | 3/8        | 1/2           | 9/16-24  | 8    | 29.4 | 22.5 | 17   | 15   |
| S09-T404  | 1/2        | 1/2           | 11/16-20 | 11   | 29.4 | 25   | 21   | 15   |
| S09-T405  | 5/8        | 1/2           | 13/16-18 | 13   | 29.5 | 26   | 24   | 17   |





## S10

### 牙邊三通 Run Tee



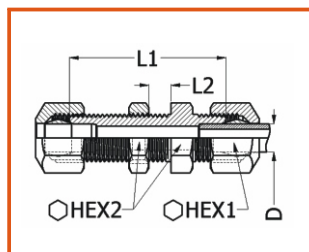
| 產品編號       | 適用管徑 D     | 管牙 T          | 直牙       | LD   | L1   | L2   | HEX1 | HEX2 |
|------------|------------|---------------|----------|------|------|------|------|------|
| PART NO.   | TubeSize D | Pipe Thread T | Thread   |      |      |      |      |      |
| S10-T1006  | 6          | 1/8           | M11×1.0  | 5.5  | 18   | 18   | 14   | 9.5  |
| S10-T1025  | 8          | 1/8           | 1/2-24   | 5.5  | 18.5 | 18.5 | 16   | 11   |
| S10-T1010  | 10         | 1/8           | 9/16-24  | 5.5  | 20   | 21   | 17   | 12   |
| S10-T2006  | 6          | 1/4           | M11×1.0  | 5.5  | 21.5 | 18   | 14   | 11   |
| S10-T2025  | 8          | 1/4           | 1/2-24   | 7    | 21.5 | 18.5 | 16   | 11   |
| S10-T2010  | 10         | 1/4           | 9/16-24  | 8    | 23   | 21   | 17   | 12   |
| S10-T2012  | 12         | 1/4           | 11/16-20 | 8    | 25   | 25   | 21   | 15   |
| S10-T3006  | 6          | 3/8           | M11×1.0  | 5.5  | 23.5 | 19.5 | 14   | 12   |
| S10-T3025  | 8          | 3/8           | 1/2-24   | 7    | 23.5 | 20   | 16   | 12   |
| S10-T3010  | 10         | 3/8           | 9/16-24  | 8    | 23.5 | 21   | 17   | 12   |
| S10-T3012  | 12         | 3/8           | 11/16-20 | 10.5 | 26   | 25   | 21   | 15   |
| S10-T30M15 | 15         | 3/8           | 13/16-18 | 11   | 25.5 | 26   | 24   | 17   |
| S10-T4006  | 6          | 1/2           | M11×1.0  | 5.5  | 29.4 | 21.5 | 14   | 15   |
| S10-T4025  | 8          | 1/2           | 1/2-24   | 7    | 29.4 | 22   | 16   | 15   |
| S10-T4010  | 10         | 1/2           | 9/16-24  | 8    | 29.4 | 22.5 | 17   | 15   |
| S10-T4012  | 12         | 1/2           | 11/16-20 | 11   | 29.4 | 25   | 21   | 15   |
| S10-T40M15 | 15         | 1/2           | 13/16-18 | 13   | 29.5 | 26   | 24   | 17   |

| 產品編號      | 適用管徑 D     | 管牙 T          | 直牙       | LD   | L1   | L2   | HEX1 | HEX2 |
|-----------|------------|---------------|----------|------|------|------|------|------|
| PART NO.  | TubeSize D | Pipe Thread T | Thread   |      |      |      |      |      |
| S10-T102  | 1/4        | 1/8           | M11×1.0  | 5.5  | 18   | 18   | 14   | 9.5  |
| S10-T1025 | 5/16       | 1/8           | 1/2-24   | 5.5  | 18.5 | 18.5 | 16   | 11   |
| S10-T103  | 3/8        | 1/8           | 9/16-24  | 5.5  | 20   | 21   | 17   | 12   |
| S10-T202  | 1/4        | 1/4           | M11×1.0  | 5.5  | 21.5 | 18   | 14   | 11   |
| S10-T2025 | 5/16       | 1/4           | 1/2-24   | 7    | 21.5 | 18.5 | 16   | 11   |
| S10-T203  | 3/8        | 1/4           | 9/16-24  | 8    | 23   | 21   | 17   | 12   |
| S10-T204  | 1/2        | 1/4           | 11/16-20 | 8    | 25   | 25   | 21   | 15   |
| S10-T302  | 1/4        | 3/8           | M11×1.0  | 5.5  | 23.5 | 19.5 | 14   | 12   |
| S10-T3025 | 5/16       | 3/8           | 1/2-24   | 7    | 23.5 | 20   | 16   | 12   |
| S10-T303  | 3/8        | 3/8           | 9/16-24  | 8    | 23.5 | 21   | 17   | 12   |
| S10-T304  | 1/2        | 3/8           | 11/16-20 | 10.5 | 26   | 25   | 21   | 15   |
| S10-T305  | 5/8        | 3/8           | 13/16-18 | 11   | 25.5 | 26   | 24   | 17   |
| S10-T402  | 1/4        | 1/2           | M11×1.0  | 5.5  | 29.4 | 21.5 | 14   | 15   |
| S10-T4025 | 5/16       | 1/2           | 1/2-24   | 7    | 29.4 | 22   | 16   | 15   |
| S10-T403  | 3/8        | 1/2           | 9/16-24  | 8    | 29.4 | 22.5 | 17   | 15   |
| S10-T404  | 1/2        | 1/2           | 11/16-20 | 11   | 29.4 | 25   | 21   | 15   |
| S10-T405  | 5/8        | 1/2           | 13/16-18 | 13   | 29.5 | 26   | 24   | 17   |



## S11

由任夾壁式接頭 Bulkhead Union



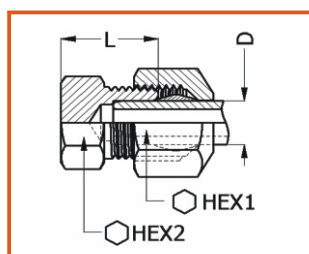
| 產品編號     | 適用管徑 D     | 直牙      | L1 | L2 最小  | L2 最大  | HEX1 | HEX2 |
|----------|------------|---------|----|--------|--------|------|------|
| PART NO. | TubeSize D | Thread  |    | L2 min | L2 max |      |      |
| S11-C06  | 6          | M11×1.0 | 45 | 2      | 19     | 14   | 17   |
| S11-C25  | 8          | 1/2-24  | 45 | 2      | 19     | 16   | 19   |
| S11-C10  | 10         | 9/16-24 | 45 | 2      | 19     | 17   | 19   |



| 產品編號     | 適用管徑 D     | 直牙      | L1 | L2 最小  | L2 最大  | HEX1 | HEX2 |
|----------|------------|---------|----|--------|--------|------|------|
| PART NO. | TubeSize D | Thread  |    | L2 min | L2 max |      |      |
| S11-C2   | 1/4        | M11×1.0 | 45 | 2      | 19     | 14   | 17   |
| S11-C25  | 5/16       | 1/2-24  | 45 | 2      | 19     | 16   | 19   |
| S11-C3   | 3/8        | 9/16-24 | 45 | 2      | 19     | 17   | 19   |

## S12

油塞 Plug



| 產品編號     | 適用管徑 D     | 直牙      | L  | HEX1 | HEX2 |
|----------|------------|---------|----|------|------|
| PART NO. | TubeSize D | Thread  |    |      |      |
| S12-C06  | 6          | M11×1.0 | 13 | 14   | 12   |
| S12-C25  | 8          | 1/2-24  | 14 | 16   | 14   |
| S12-C10  | 10         | 9/16-24 | 14 | 17   | 15   |

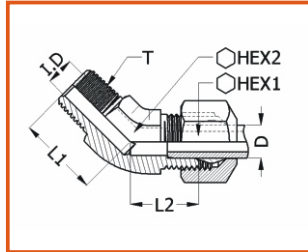


| 產品編號     | 適用管徑 D     | 直牙      | L  | HEX1 | HEX2 |
|----------|------------|---------|----|------|------|
| PART NO. | TubeSize D | Thread  |    |      |      |
| S12-C2   | 1/4        | M11×1.0 | 13 | 14   | 12   |
| S12-C25  | 5/16       | 1/2-24  | 14 | 16   | 14   |
| S12-C3   | 3/8        | 9/16-24 | 14 | 17   | 15   |



## S13

45°外牙彎頭 45° male Elbow



| 產品編號      | 適用管徑 D     | 管 牙 T         | 直 牙     | ID  | L1 | L2 | HEX1 | HEX2 |
|-----------|------------|---------------|---------|-----|----|----|------|------|
| PART NO.  | TubeSize D | Pipe Thread T | Thread  |     |    |    |      |      |
| S13-L1006 | 6          | 1/8           | M11×1.0 | 5.5 | 16 | 15 | 14   | 11   |
| S13-L1010 | 10         | 1/8           | 9/16-24 | 5.5 | 16 | 16 | 17   | 14   |
| S13-L2006 | 6          | 1/4           | M11×1.0 | 5.5 | 19 | 15 | 14   | 14   |
| S13-L2010 | 10         | 1/4           | 9/16-24 | 8   | 19 | 16 | 17   | 14   |

| 產品編號     | 適用管徑 D     | 管 牙 T         | 直 牙     | ID  | L1 | L2 | HEX1 | HEX2 |
|----------|------------|---------------|---------|-----|----|----|------|------|
| PART NO. | TubeSize D | Pipe Thread T | Thread  |     |    |    |      |      |
| S13-L102 | 1/4        | 1/8           | M11×1.0 | 5.5 | 16 | 15 | 14   | 11   |
| S13-L103 | 3/8        | 1/8           | 9/16-24 | 5.5 | 16 | 16 | 17   | 14   |
| S13-L202 | 1/4        | 1/4           | M11×1.0 | 5.5 | 19 | 15 | 14   | 14   |
| S13-L203 | 3/8        | 1/4           | 9/16-24 | 8   | 19 | 16 | 17   | 14   |

