

# QSC 系列 — 調速接頭

規格表、訂購稱呼代號、內部結構圖、零件材料表

## 規格表

| 項目     | 管徑                          | Ø4, Ø6, Ø8, Ø10, Ø12, 5/32", 1/4", 5/16", 3/8", 1/2" |
|--------|-----------------------------|------------------------------------------------------|
| 使用流體   |                             | 空氣                                                   |
| 使用壓力範圍 | kgf / cm <sup>2</sup> (kPa) | 0 ~ 9 (900)                                          |
| 最大使用壓力 | kgf / cm <sup>2</sup> (kPa) | 10 (1000)                                            |
| 使用溫度範圍 | °C                          | 0 ~ 60                                               |
| 螺桿回轉數  |                             | 10 (8) 轉                                             |
| 材料     | 主體                          | 黃銅 (鍍鎳)                                              |
|        | 塑膠                          | POM, PA                                              |
| 連接口徑   | Rc (PT/NPT)                 | M3x0.5p, M5x0.8p (10/32"), 1/8", 1/4", 3/8", 1/2"    |
| 牙部塗膠   |                             | 附塗膠                                                  |



## 訂購稱呼代號

**QSC - 6 - 01 - A**

1 2 3 4



2 管徑

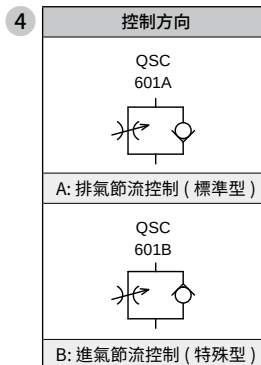
| 代號 | 公制 (mm) | 代號   | 英制 (mm) |
|----|---------|------|---------|
| 4  | Ø4      | 5/32 | Ø3.97   |
| 6  | Ø6      | 1/4  | Ø6.35   |
| 8  | Ø8      | 5/16 | Ø7.94   |
| 10 | Ø10     | 3/8  | Ø9.53   |
| 12 | Ø12     | 1/2  | Ø12.7   |

3 牙徑

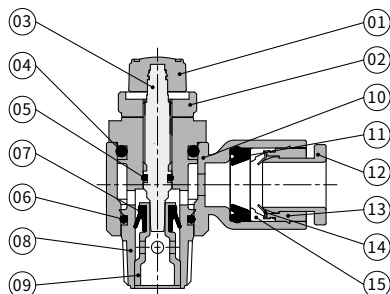
| 代號 | 公制       | 代號    | 英制        |
|----|----------|-------|-----------|
| M3 | M3x0.5p  | —     | —         |
| M5 | M5 x 0.8 | 10/32 | NR 10/32" |
| 01 | PT 1/8"  | 1/8   | NPT 1/8"  |
| 02 | PT 1/4"  | 1/4   | NPT 1/4"  |
| 03 | PT 3/8"  | 3/8   | NPT 3/8"  |
| 04 | PT 1/2"  | 1/2   | NPT 1/2"  |

● M3 規格為 QSM 限定規格選項

● 請參考實際尺寸選型



## 內部結構圖



## 零件材料表

| 編號 | 項目   | 材質   | 編號 | 項目   | 材質   |
|----|------|------|----|------|------|
| 01 | 調整螺帽 | 塑鋼   | 09 | 調整座  | 銅·鍍鎳 |
| 02 | 固定螺帽 | 銅·鍍鎳 | 10 | 調整螺帽 | 塑鋼   |
| 03 | 調速螺桿 | 銅·鍍鎳 | 11 | 迫緊   | 橡膠   |
| 04 | O 型環 | 橡膠   | 12 | 押環   | 塑鋼   |
| 05 | O 型環 | 橡膠   | 13 | 中環座  | 銅·鍍鎳 |
| 06 | O 型環 | 橡膠   | 14 | 爪片   | 不銹鋼  |
| 07 | 迫緊   | 橡膠   | 15 | 爪片座  | 上銅   |
| 08 | 接頭本體 | 銅·鍍鎳 |    |      |      |

# QSC 系列 — 調速接頭

製作規格、閥控制方向、特性曲線圖

## 製作規格

### 公制規格

單位: mm

| 型式         | 管徑  | 牙徑 (PT) |      |      |      |      |
|------------|-----|---------|------|------|------|------|
|            |     | M5      | 1/8" | 1/4" | 3/8" | 1/2" |
| QSC 4 - □  | Ø4  | ●       | ●    | ●    | —    | —    |
| QSC 6 - □  | Ø6  | ●       | ●    | ●    | ●    | —    |
| QSC 8 - □  | Ø8  | —       | ●    | ●    | ●    | —    |
| QSC 10 - □ | Ø10 | —       | —    | ●    | ●    | ●    |
| QSC 12 - □ | Ø12 | —       | —    | —    | ●    | ●    |

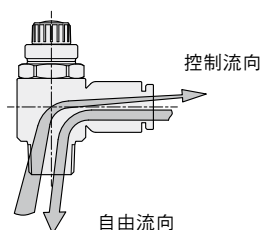
### 英制規格

單位: Inch

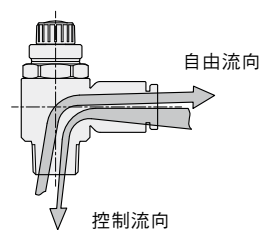
| 型式            | 管徑    | 牙徑 (NR/ NPT) |      |      |      |      |
|---------------|-------|--------------|------|------|------|------|
|               |       | 10/32"       | 1/8" | 1/4" | 3/8" | 1/2" |
| QSC 5/32" - □ | 5/32" | ●            | ●    | ●    | —    | —    |
| QSC 1/4" - □  | 1/4"  | ●            | ●    | ●    | ●    | —    |
| QSC 5/16" - □ | 5/16" | —            | ●    | ●    | ●    | —    |
| QSC 3/8" - □  | 3/8"  | —            | —    | ●    | ●    | ●    |
| QSC 1/2" - □  | 1/2"  | —            | —    | —    | ●    | ●    |

## 調速閥控制方向

### A 牙端輸入控制 - 標準

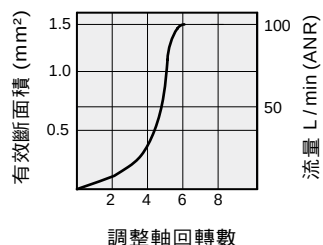


### B 孔端輸入控制

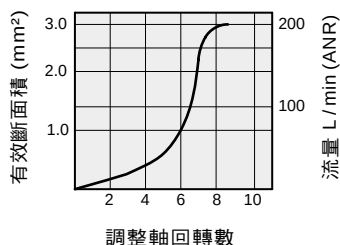


## 流量特性曲線圖

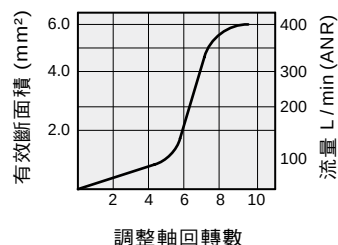
● QSC 4 - M5



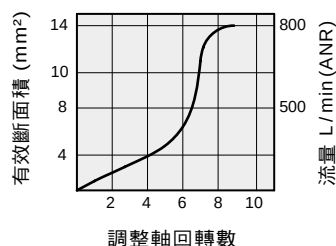
● QSC 6 - 01



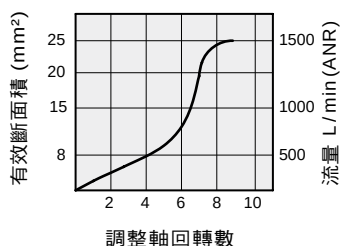
● QSC 8 - 02



● QSC 10 - 03



● QSC 12 - 04



# QSC 系列 — 調速接頭

## 外觀圖形尺寸

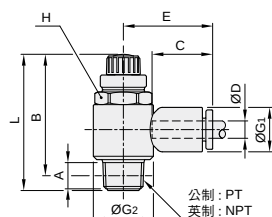
### QSC 系列 調速接頭

#### 公制規格

單位: mm



| 管徑<br>ØD | 牙徑<br>Rc (PT) | 型 式         | A   | B    |      | C    | E    | L    |      | ØG1  | ØG2  | 對邊<br>H | 有效斷面積<br>(mm <sup>2</sup> ) | 重量<br>(g) |
|----------|---------------|-------------|-----|------|------|------|------|------|------|------|------|---------|-----------------------------|-----------|
|          |               |             |     | max  | min  |      |      | max  | min  |      |      |         |                             |           |
| Ø4       | M5            | QSC 4 - M5  | 3.8 | 27.8 | 24.8 | 14.8 | 19.9 | 29.7 | 26.7 | 10.5 | 10   | 8       | 4                           | 10        |
|          | 1/8"          | QSC 4 - 01  | 6   | 35.4 | 31.6 | 14.6 | 21.6 | 38.4 | 34.6 | 10.5 | 14.2 | 12      | 5.5                         | 20        |
|          | 1/4"          | QSC 4 - 02  | 9   | 37   | 33.4 | 14.6 | 21.6 | 41.5 | 37.9 | 10.5 | 18.6 | 17      | 12.5                        | 34        |
| Ø6       | M5            | QSC 6 - M5  | 3.8 | 27.8 | 24.8 | 17.1 | 21.8 | 29.7 | 26.7 | 12.4 | 10   | 8       | 4                           | 10        |
|          | 1/8"          | QSC 6 - 01  | 6   | 35.4 | 31.6 | 17.1 | 23.7 | 38.4 | 34.6 | 12.4 | 14.2 | 12      | 5.5                         | 20        |
|          | 1/4"          | QSC 6 - 02  | 9   | 37   | 33.4 | 17.1 | 25.9 | 41.5 | 37.9 | 12.4 | 18.6 | 17      | 12.5                        | 36        |
|          | 3/8"          | QSC 6 - 03  | 10  | 45.3 | 40.2 | 17.1 | 28   | 50.3 | 45.2 | 12.4 | 23   | 19      | 20                          | 60        |
| Ø8       | 1/8"          | QSC 8 - 01  | 6   | 35.4 | 31.6 | 18.9 | 25.5 | 38.4 | 34.6 | 14.3 | 14.2 | 12      | 5.5                         | 20        |
|          | 1/4"          | QSC 8 - 02  | 9   | 37   | 33.4 | 18.9 | 27.7 | 41.5 | 37.9 | 14.3 | 18.6 | 17      | 12.5                        | 36        |
|          | 3/8"          | QSC 8 - 03  | 10  | 45.3 | 40.2 | 18.9 | 29.9 | 50.3 | 45.2 | 14.3 | 23   | 19      | 20                          | 60        |
| Ø10      | 1/4"          | QSC 10 - 02 | 9   | 37   | 33.4 | 20.4 | 29.6 | 41.5 | 37.9 | 17.8 | 18.6 | 17      | 12.5                        | 40        |
|          | 3/8"          | QSC 10 - 03 | 10  | 45.3 | 40.2 | 20.4 | 31.7 | 50.3 | 45.2 | 17.8 | 23   | 19      | 20                          | 64        |
|          | 1/2"          | QSC 10 - 04 | 14  | 55   | 46.6 | 20.3 | 34.6 | 62   | 53.6 | 17.8 | 28.8 | 24      | 35                          | 98        |
| Ø12      | 3/8"          | QSC 12 - 03 | 10  | 45.3 | 40.2 | 22.8 | 35   | 50.3 | 45.2 | 21.5 | 21.2 | 19      | 20                          | 68        |
|          | 1/2"          | QSC 12 - 04 | 14  | 55   | 46.6 | 22.8 | 37.2 | 62   | 53.6 | 21.5 | 28.8 | 24      | 35                          | 102       |



#### 英制規格

單位: mm

| 管徑<br>ØD | 牙徑<br>NR (NPT) | 型 式            | A   | B    |      | C    | E    | L    |      | ØG1  | ØG2  | 對邊<br>H | 有效斷面積<br>(mm <sup>2</sup> ) | 重量<br>(g) |
|----------|----------------|----------------|-----|------|------|------|------|------|------|------|------|---------|-----------------------------|-----------|
|          |                |                |     | max  | min  |      |      | max  | min  |      |      |         |                             |           |
| 5/32"    | NR10/32"       | QSC 5/32-10/32 | 3.8 | 27.8 | 24.8 | 14.8 | 19.9 | 29.7 | 26.7 | 10.5 | 10   | 8       | 4                           | 10        |
|          | 1/8"           | QSC 5/32 - 1/8 | 6   | 35.4 | 31.6 | 14.6 | 21.6 | 38.4 | 34.6 | 10.5 | 14.2 | 12      | 5.5                         | 20        |
|          | 1/4"           | QSC 5/32 - 1/4 | 9   | 37   | 33.4 | 14.6 | 21.6 | 41.5 | 37.9 | 10.5 | 18.6 | 17      | 12.5                        | 34        |
| 1/4"     | NR10/32"       | QSC 1/4-10/32  | 3.8 | 27.8 | 24.8 | 17.1 | 21.8 | 29.7 | 26.7 | 12.4 | 10   | 8       | 4                           | 10        |
|          | 1/8"           | QSC 1/4 - 1/8  | 6   | 35.4 | 31.6 | 17.1 | 23.7 | 38.4 | 34.6 | 12.4 | 14.2 | 12      | 5.5                         | 20        |
|          | 1/4"           | QSC 1/4 - 1/4  | 9   | 37   | 33.4 | 17.1 | 25.9 | 41.5 | 37.9 | 12.4 | 18.6 | 17      | 12.5                        | 36        |
|          | 3/8"           | QSC 1/4 - 3/8  | 10  | 45.3 | 40.2 | 17.1 | 28   | 50.3 | 45.2 | 12.4 | 23   | 19      | 20                          | 60        |
| 5/16"    | 1/8"           | QSC 5/16 - 1/8 | 6   | 35.4 | 31.6 | 18.9 | 25.5 | 38.4 | 34.6 | 14.3 | 14.2 | 12      | 5.5                         | 20        |
|          | 1/4"           | QSC 5/16 - 1/4 | 9   | 37   | 33.4 | 18.9 | 27.7 | 41.5 | 37.9 | 14.3 | 18.6 | 17      | 12.5                        | 36        |
|          | 3/8"           | QSC 5/16 - 3/8 | 10  | 45.3 | 40.2 | 18.9 | 29.9 | 50.3 | 45.2 | 14.3 | 23   | 19      | 20                          | 60        |
| 3/8"     | 1/4"           | QSC 3/8 - 1/4  | 9   | 37   | 33.4 | 20.4 | 29.6 | 41.5 | 37.9 | 17.8 | 18.6 | 17      | 12.5                        | 40        |
|          | 3/8"           | QSC 3/8 - 3/8  | 10  | 45.3 | 40.2 | 20.4 | 31.7 | 50.3 | 45.2 | 17.8 | 23   | 19      | 20                          | 64        |
|          | 1/2"           | QSC 3/8 - 1/2  | 14  | 55   | 46.6 | 20.3 | 34.6 | 62   | 53.6 | 17.8 | 28.8 | 24      | 35                          | 98        |
| 1/2"     | 3/8"           | QSC 1/2 - 3/8  | 10  | 45.3 | 40.2 | 22.8 | 35   | 50.3 | 45.2 | 21.5 | 21.2 | 19      | 20                          | 68        |
|          | 1/2"           | QSC 1/2 - 1/2  | 14  | 55   | 46.6 | 22.8 | 37.2 | 62   | 53.6 | 21.5 | 28.8 | 24      | 35                          | 102       |