

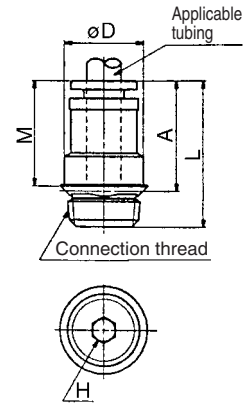
## Hexagon Socket Head Male Connector: KQ2S



| Applicable<br>tubing O.D.<br>(mm) | Connection<br>thread<br>Uni One-touch<br>fittings | Model      | H<br>(width<br>across<br>flats) | (Note) | L    | A*   | M    | Effective area<br>(mm²) |          | Mass<br>(g) |
|-----------------------------------|---------------------------------------------------|------------|---------------------------------|--------|------|------|------|-------------------------|----------|-------------|
|                                   |                                                   |            |                                 | øD1    |      |      |      | Nylon                   | Urethane |             |
| 4                                 | 1/8                                               | KQ2S04-U01 | 3                               | 10     | 23.5 | 18.5 | 16   | 4.1                     | 3.6      | 7           |
| 6                                 | 1/8                                               | KQ2S06-U01 | 4                               | 11.8   | 24   | 19   | 17   | 10.0                    | 9.9      | 9           |
|                                   | 1/4                                               | KQ2S06-U02 |                                 | 13.5   |      | 18   |      | 10.7                    | 10.0     | 12          |
| 8                                 | 1/8                                               | KQ2S08-U01 | 5                               | 14     | 27.5 | 22.5 | 18.5 | 17.2                    | 16.2     | 12          |
|                                   | 1/4                                               | KQ2S08-U02 | 6                               |        | 28   | 22   |      | 23.3                    |          | 14          |
|                                   | 3/8                                               | KQ2S08-U03 |                                 | 17     | 27.5 | 21.5 |      |                         |          | 24          |
| 10                                | 1/8                                               | KQ2S10-U01 | 5                               | 17     | 30   | 25   | 21   | 17.2                    | 10.0     | 18          |
|                                   | 1/4                                               | KQ2S10-U02 | 8                               |        | 29   | 23   |      | 39.0                    | 26.6     | 17          |
|                                   | 3/8                                               | KQ2S10-U03 |                                 | 28.5   | 22.5 | 19   |      |                         |          |             |
|                                   | 1/2                                               | KQ2S10-U04 |                                 | 21     | 29   | 21   |      |                         |          |             |
| 12                                | 1/4                                               | KQ2S12-U02 | 8                               | 19     | 30.5 | 25   | 22   | 46.0                    | 44.5     | 20          |
|                                   | 3/8                                               | KQ2S12-U03 | 9                               | 31     |      | 60.0 |      | 22                      |          |             |
|                                   | 1/2                                               | KQ2S12-U04 |                                 | 21     | 28.5 |      |      | 20.5                    |          | 30          |

\* Reference dimensions after Uni thread installation.

Note)  $\phi D$ : Max. diameter



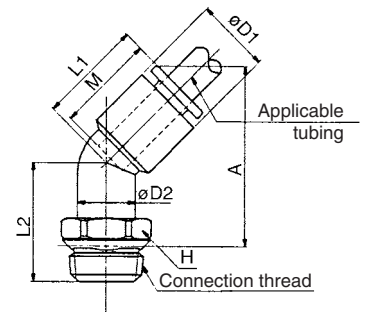
## 45° Male Elbow: KQ2K



| Applicable tubing O.D.<br>(mm) | Connection thread<br>Uni One-touch fittings | Model      | H<br>(width across flats) | (Note) | øD1 | øD2  | L1 | L2   | A*   | M    | Effective area<br>(mm²) |          | Mass<br>(g) |
|--------------------------------|---------------------------------------------|------------|---------------------------|--------|-----|------|----|------|------|------|-------------------------|----------|-------------|
|                                |                                             |            |                           |        |     |      |    |      |      |      | Nylon                   | Urethane |             |
| 4                              | 1/8                                         | KQ2K04-U01 | 10                        | 10.4   | 10  | 17   |    | 18.5 | 30   | 16   | 3.4                     | 3.4      | 6           |
|                                | 1/4                                         | KQ2K04-U02 | 14                        |        |     |      |    | 20.5 | 30.5 |      |                         |          | 13          |
| 6                              | 1/8                                         | KQ2K06-U01 | 10                        | 12.8   | 10  | 18   |    | 18.5 | 31   | 17   | 8.7                     | 8.7      | 7           |
|                                | 1/4                                         | KQ2K06-U02 | 14                        |        |     |      |    | 20.5 |      |      |                         |          | 13          |
|                                | 3/8                                         | KQ2K06-U03 | 17                        |        |     |      |    | 21.5 | 32   |      |                         |          | 23          |
| 8                              | 1/8                                         | KQ2K08-U01 | 12                        | 15.2   | 12  | 20.5 |    | 20   | 35   | 18.5 | 19.7                    | 13.6     | 11          |
|                                | 1/4                                         | KQ2K08-U02 | 14                        |        |     |      |    | 22   |      |      |                         |          | 15          |
|                                | 3/8                                         | KQ2K08-U03 | 17                        |        |     |      |    | 23   | 36   |      |                         |          | 24          |
| 10                             | 1/8                                         | KQ2K10-U01 | 17                        | 18.5   | 17  | 24   |    | 22   | 38   | 21   | 21.6                    | 14.9     | 24          |
|                                | 1/4                                         | KQ2K10-U02 |                           |        |     |      |    | 23.5 | 40.5 |      |                         |          | 21          |
|                                | 3/8                                         | KQ2K10-U03 |                           |        |     |      |    | 24   | 41   |      | 30.9                    | 23.2     | 25          |
|                                | 1/2                                         | KQ2K10-U04 |                           |        |     |      |    | 22   | 27   |      |                         |          | 42          |
| 12                             | 1/4                                         | KQ2K12-U02 | 17                        | 20.9   | 17  | 25   |    | 24   | 42   | 22   | 44.5                    | 35.1     | 23          |
|                                | 3/8                                         | KQ2K12-U03 |                           |        |     |      |    | 24.5 | 42.5 |      |                         |          | 27          |
|                                | 1/2                                         | KQ2K12-U04 |                           |        |     |      |    | 22   | 27.5 |      |                         |          | 43.5        |

\* Reference dimensions after Uni thread installation.

Note)  $\phi D1$ : Max. diameter



## Universal Male Elbow: KQ2V



| Applicable tubing O.D. (mm) | Connection thread<br>Uni One-touch fittings | Model      | H (width across flats) | (Note) | øD1  | øD2  | L1   | L2   | L3   | A*   | M    | Effective area (mm²) |          | Mass (g) |
|-----------------------------|---------------------------------------------|------------|------------------------|--------|------|------|------|------|------|------|------|----------------------|----------|----------|
|                             |                                             |            |                        |        |      |      |      |      |      |      |      | Nylon                | Urethane |          |
| 4                           | 1/8                                         | KQ2V04-U01 | 8                      | 10.4   | 13.4 | 22   | 13.5 | 25.5 | 20.5 | 16   |      | 2.9                  | 2.9      | 12       |
| 6                           | 1/8                                         | KQ2V06-U01 | 8                      | 12.8   | 13.4 | 24   | 13.5 | 25.5 | 20.5 | 17   |      | 7.5                  | 7.5      | 13       |
|                             | 1/4                                         | KQ2V06-U02 | 10                     |        | 15.4 | 23.5 | 15.5 | 28   | 22   |      |      |                      | 21       |          |
| 8                           | 1/8                                         | KQ2V08-U01 | 12                     | 15.2   | 17.6 | 28.5 | 14.5 | 27.5 | 22.5 | 18.5 | 11.2 | 24                   | 22       |          |
|                             | 1/4                                         | KQ2V08-U02 |                        |        | 16.5 | 29.5 | 16.5 | 29.5 | 23.5 |      |      | 30                   | 25       |          |
|                             | 3/8                                         | KQ2V08-U03 | 14                     |        | 20.6 | 27.5 | 18.5 | 34   | 28   |      |      | 14.3                 | 47       | 36       |
| 10                          | 1/4                                         | KQ2V10-U02 | 14                     | 18.5   | 20.6 | 31   | 18.5 | 34   | 28   | 21   | 27   | 20.3                 | 35       |          |
|                             | 3/8                                         | KQ2V10-U03 |                        |        |      |      |      |      |      |      |      |                      | 38       |          |
| 12                          | 3/8                                         | KQ2V12-U03 | 17                     | 20.9   | 25.2 | 34   | 20   | 36.5 | 30.5 | 22   | 39   | 30.8                 | 52       |          |
|                             | 1/2                                         | KQ2V12-U04 |                        |        |      |      |      |      |      |      |      |                      | 62       |          |

\* Reference dimensions after Uni thread installation.

Note)  $\phi D1$ : Max. diameter

