

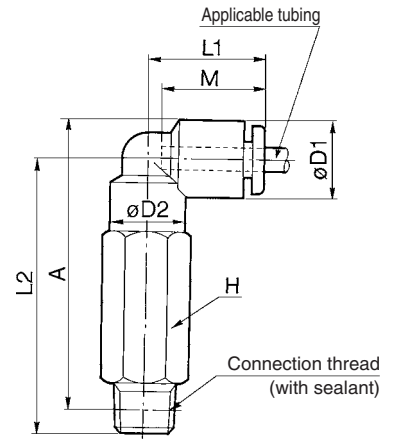
# Series KQ2

## Extended Male Elbow: KQ2W



| Applicable tubing O.D. (inch) | Connection thread NPT | Model      | H (Width across flats) | Note) øD1 | øD2 | L1   | L2   | A*   | M    | Min. port size | Mass (g) |
|-------------------------------|-----------------------|------------|------------------------|-----------|-----|------|------|------|------|----------------|----------|
| 1/8                           | 1/8                   | KQ2W01-34S | 11.11                  | 9.6       | 10  | 17.5 | 36.1 | 38   | 15.5 | 2.5            | 19       |
|                               | 1/4                   | KQ2W01-35S | 14.29                  |           |     |      | 42.5 | 42   |      |                | 41       |
| 5/32                          | 1/8                   | KQ2W03-34S | 11.11                  | 10.4      | 10  | 18   | 36.6 | 38.5 | 16   | 3              | 19       |
|                               | 1/4                   | KQ2W03-35S | 14.29                  |           |     |      | 43   | 42.5 |      |                | 41       |
| 3/16                          | 1/8                   | KQ2W05-34S | 11.11                  | 11.4      | 10  | 19.5 | 37.1 | 40   | 16.5 | 3.5            | 41       |
|                               | 1/4                   | KQ2W05-35S | 14.29                  |           |     |      | 43.5 | 43.5 |      |                | 19       |
| 1/4                           | 1/8                   | KQ2W07-34S | 11.11                  | 13.2      | 10  | 20.5 | 39.6 | 43   | 17   | 4.6            | 20       |
|                               | 1/4                   | KQ2W07-35S | 14.29                  |           |     |      | 46   | 47   |      |                | 42       |
|                               | 3/8                   | KQ2W07-36S | 17.46                  |           |     |      | 47.4 | 49   |      |                | 69       |
|                               | 1/2                   | KQ2W07-37S | 22.23                  |           |     |      | 50.4 | 53   |      |                | 74       |
| 5/16                          | 1/8                   | KQ2W09-34S | 12.7                   | 15.2      | 12  | 23.5 | 42.6 | 47   | 18.5 | 6              | 30       |
|                               | 1/4                   | KQ2W09-35S | 14.29                  |           |     |      | 49   | 51   |      |                | 47       |
|                               | 3/8                   | KQ2W09-36S | 17.46                  |           |     |      | 55.5 | 59   |      |                | 69       |
|                               | 1/2                   | KQ2W09-37S | 22.23                  |           |     |      | 56.9 | 61   |      |                | 76       |
| 3/8                           | 1/4                   | KQ2W11-35S | 17.46                  | 17.9      | 17  | 25.5 | 57.5 | 63   | 21   | 7              | 147      |
|                               | 3/8                   | KQ2W11-36S | 22.23                  |           |     |      | 58.9 | 64.5 |      |                | 78       |
|                               | 1/2                   | KQ2W11-37S | 22.23                  |           |     |      | 65.6 | 69   |      |                | 149      |
|                               | 3/4                   | KQ2W11-38S | 25.4                   |           |     |      |      |      |      |                |          |

\* Reference dimensions after NPT thread installation.  
Note) øD1: Max. diameter



## Male Branch Tee: KQ2T

<10-32 UNF>



<NPT>

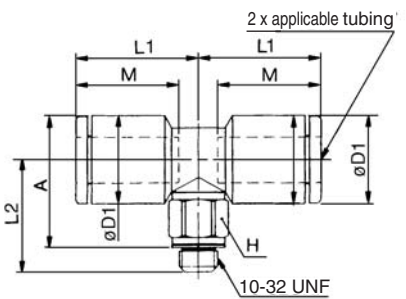


| Applicable tubing O.D. (inch) | Connection thread UNF NPT | Model      | H (Width across flats) | Note) øD1 | øD2 | L1   | L2   | A     | M    | Min. port size | Mass (g) |
|-------------------------------|---------------------------|------------|------------------------|-----------|-----|------|------|-------|------|----------------|----------|
| 1/8                           | 10-32 UNF                 | KQ2T01-32  | 7                      | 9.6       | 10  | 17.5 | 13.2 | 14.4  | 12.7 | 2.3            | 3.2      |
|                               | 1/16                      | KQ2T01-33S | 11.11                  |           |     |      | 21.5 | 22.5* |      |                | 10       |
|                               | 1/8                       | KQ2T01-34S | 14.29                  |           |     |      | 20.6 | 21.5* |      |                | 20       |
|                               | 1/4                       | KQ2T01-35S | 17.46                  |           |     |      | 25   | 24.5* |      |                | 20       |
| 5/32                          | 10-32 UNF                 | KQ2T03-32  | 7                      | 10.4      | 10  | 18   | 13.7 | 15.4  | 16   | 3              | 3.5      |
|                               | 1/16                      | KQ2T03-33S | 11.11                  |           |     |      | 22   | 23*   |      |                | 10       |
|                               | 1/8                       | KQ2T03-34S | 14.29                  |           |     |      | 21.1 | 22*   |      |                | 11       |
|                               | 1/4                       | KQ2T03-35S | 17.46                  |           |     |      | 25.5 | 25*   |      |                | 20       |
| 3/16                          | 1/8                       | KQ2T05-34S | 11.11                  | 11.4      | 10  | 19.5 | 21.6 | 24*   | 16.5 | 3.5            | 12       |
|                               | 1/4                       | KQ2T05-35S | 14.29                  |           |     |      | 26   | 26*   |      |                | 21       |
|                               | 5/16                      | KQ2T05-36S | 17.46                  |           |     |      | 28.4 | 30*   |      |                | 34       |
|                               | 3/4                       | KQ2T05-37S | 22.23                  |           |     |      | 30.4 | 31.5* |      |                | 35       |
| 1/4                           | 10-32 UNF                 | KQ2T07-32  | 7                      | 13.2      | 10  | 20.5 | 15.1 | 18.1  | 13.6 | 2.3            | 4.4      |
|                               | 1/8                       | KQ2T07-34S | 11.11                  |           |     |      | 22.6 | 26*   |      |                | 11       |
|                               | 1/4                       | KQ2T07-35S | 14.29                  |           |     |      | 27   | 28*   |      |                | 21       |
|                               | 3/8                       | KQ2T07-36S | 17.46                  |           |     |      | 28.4 | 30*   |      |                | 34       |
| 5/16                          | 1/8                       | KQ2T09-34S | 12.7                   | 15.2      | 12  | 23   | 23.6 | 28*   | 18.5 | 6              | 15       |
|                               | 1/4                       | KQ2T09-35S | 14.29                  |           |     |      | 28   | 30*   |      |                | 23       |
|                               | 3/8                       | KQ2T09-36S | 17.46                  |           |     |      | 29.4 | 31.5* |      |                | 35       |
|                               | 1/2                       | KQ2T09-37S | 22.23                  |           |     |      | 31.5 | 32.5* |      |                | 38       |
| 3/8                           | 1/8                       | KQ2T11-34S | 17.46                  | 17.9      | 17  | 25.5 | 25.6 | 31.5* | 21   | 7              | 31       |
|                               | 1/4                       | KQ2T11-35S | 22.23                  |           |     |      | 29   | 32.5* |      |                | 29       |
|                               | 3/8                       | KQ2T11-36S | 25.4                   |           |     |      | 30.4 | 34.5* |      |                | 38       |
|                               | 1/2                       | KQ2T11-37S | 28.6                   |           |     |      | 34.6 | 36.5* |      |                | 64       |
| 1/2                           | 1/4                       | KQ2T13-35S | 17.46                  | 21.7      | 17  | 28   | 31   | 36.5* | 22   | 9.6            | 34       |
|                               | 3/8                       | KQ2T13-36S | 22.23                  |           |     |      | 32.4 | 38.5* |      |                | 43       |
|                               | 1/2                       | KQ2T13-37S | 25.4                   |           |     |      | 36.6 | 40*   |      |                | 69       |
|                               | 3/4                       | KQ2T13-38S | 28.6                   |           |     |      |      |       |      |                |          |

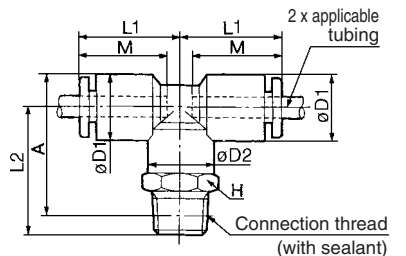
\* Reference dimensions after NPT thread installation.  
Note) øD1: Max. diameter



<10-32 UNF>



<NPT>



## Union Tee: KQ2T



| Applicable tubing O.D. (inch) | Model     | Note) øD | L    | Q   | M    | Min. port size | Mass (g) |
|-------------------------------|-----------|----------|------|-----|------|----------------|----------|
| 1/8                           | KQ2T01-00 | 9.6      | 17.5 | 4.3 | 15.5 | 2.5            | 5        |
| 5/32                          | KQ2T03-00 | 10.4     | 18   | 4.5 | 16   | 3              | 4        |
| 3/16                          | KQ2T05-00 | 11.4     | 19.5 | 4.8 | 16.5 | 3.5            | 7        |
| 1/4                           | KQ2T07-00 | 13.2     | 20.5 | 5.3 | 17   | 4.6            | 8        |
| 5/16                          | KQ2T09-00 | 15.2     | 23   | 6   | 18.5 | 6              | 11       |
| 3/8                           | KQ2T11-00 | 17.9     | 26   | 6.6 | 21   | 7              | 18       |
| 1/2                           | KQ2T13-00 | 21.7     | 29   | 7.8 | 22   | 9.6            | 26       |

Note) øD: Max. diameter

