

# ONE TOUCH FITTINGS

## Series WP2

Cat No WP2 - 01 - D

### ONE TOUCH FITTINGS - M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1"

#### Features

- ☐ Attractive design
- ☐ Compact size
- ☐ Threaded nipples of L, T & Y fittings enable plastic portion to turn by 360°
- ☐ Full area of the inner bore of the tubing is available for flow of fluid
- ☐ Bubble tight sealing of tubes
- ☐ Suitable for both Nylon and PU tubing
- ☐ Easy and quick push-in connection of tube / easy removal of tube by simple pressing of collet cap
- ☐ "New design" - Stainless steel collet
- ☐ Teflon pre-coated male taper threads
- ☐ Maintenance free and long life
- ☐ The fitment and function of tubes are not affected by vibrations due to positive gripping of the tube by the collet

#### Application

One-touch fittings can be effectively used in all compressed air applications

Some of the pneumatic applications include

- ☐ Pneumatic cylinders (all types)
- ☐ Directional control valves, solenoid valves and other valves
- ☐ Air preparation units like filter, regulator and lubricators
- ☐ Pneumatic control panels
- ☐ All compressed air lines, machinery of all kinds wherever pneumatic systems are used
- ☐ Pneumatic circuits in any industry

#### Technical Specifications

|                                             |                                                     |                |              |                |
|---------------------------------------------|-----------------------------------------------------|----------------|--------------|----------------|
| Medium                                      | Air #                                               |                |              |                |
| Max. operating pressure                     | 10 bar                                              |                |              |                |
| Ambient temperature                         | -10° to +60° C                                      |                |              |                |
| Medium temperature                          | +5° to +50° C                                       |                |              |                |
| Threaded connection                         | Male: R - Taper thread, Female: G - Parallel thread |                |              |                |
| Applicable tube material                    | Nylon, Polyurethane                                 |                |              |                |
| Applicable tube size (OD)                   | Ø4, 6, 8, 10, 12, 14 and 16 mm                      |                |              |                |
| Recommended tolerance for tube OD           | ± 0.1 mm                                            |                |              |                |
| Recommended minimum wall thickness of tubes | Nylon                                               |                | PU           |                |
|                                             | Tube OD (mm)                                        | Thickness (mm) | Tube OD (mm) | Thickness (mm) |
|                                             | Ø4                                                  | 1              | Ø4           | 1              |
|                                             | Ø6                                                  |                | Ø6           | 1              |
|                                             | Ø8                                                  |                | Ø8           | 1.5            |
|                                             | Ø10                                                 |                | Ø10          | 1.5            |
|                                             | Ø12                                                 |                | Ø12          | 2              |
|                                             | Ø14                                                 |                | Ø14          | 2              |
|                                             |                                                     |                | Ø16          | 2.5            |

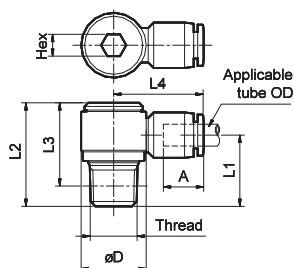
# - for other fluids, contact **JANATICS**

# ONE TOUCH FITTINGS

## Series WP2

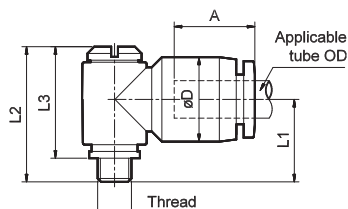
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### Single Swivel (Internal Hexagon Socket)



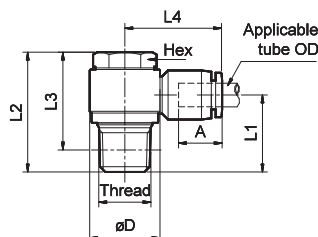
| Applicable Tube OD | Thread (R) | Hex | ØD   | L1   | L2   | L3   | L4   | A    | Ordering No |
|--------------------|------------|-----|------|------|------|------|------|------|-------------|
| 4                  | 1/8        | 5   | 13.5 | 15   | 22   | 18.5 | 22   | 14.5 | WS0210450   |
| 6                  | 1/8        | 5   | 13.5 | 15.5 | 22   | 18.5 | 23   | 15.5 | WS0210650   |
|                    | 1/4        | 6   | 18   | 20   | 28.5 | 23   | 25   | 15.5 | WS0210651   |
| 8                  | 1/8        | 5   | 13.5 | 17.5 | 22   | 18.5 | 27   | 17   | WS0210850   |
|                    | 1/4        | 6   | 18   | 20.5 | 28.5 | 23   | 27.5 | 17   | WS0210851   |
|                    | 3/8        | 8   | 22   | 23   | 32.5 | 26.5 | 29.5 | 17   | WS0210852   |
|                    | 1/2        | 10  | 28   | 26.5 | 38   | 30.5 | 32.5 | 17   | WS0210853   |
| 10                 | 1/4        | 6   | 18   | 22.5 | 28.5 | 23   | 32.5 | 20   | WS0211051   |
|                    | 3/8        | 8   | 22   | 24   | 32.5 | 26.5 | 34.5 | 20   | WS0211052   |
|                    | 1/2        | 10  | 28   | 27.5 | 38   | 30.5 | 36.5 | 20   | WS0211053   |
| 12                 | 3/8        | 8   | 22   | 25   | 32.5 | 26.5 | 36   | 20.5 | WS0211252   |
|                    | 1/2        | 10  | 28   | 28.5 | 38   | 30.5 | 37.5 | 20.5 | WS0211253   |

### Single Swivel (Slotted Head)



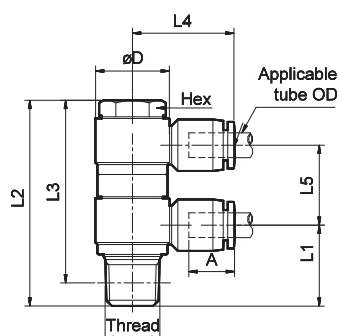
| Applicable Tube OD | Thread     | ØD   | L1   | L2 | L3   | A    | Ordering No |
|--------------------|------------|------|------|----|------|------|-------------|
| 4                  | * M5 x 0.8 | 10.5 | 12.5 | 20 | 16.5 | 14.5 | WS0010470   |
| 6                  | * M5 x 0.8 | 12.5 | 12.5 | 20 | 16.5 | 15.5 | WS0010670   |

### Single Swivel (Hexagon Head)



| Applicable Tube OD | Thread (R) | Hex | ØD   | L1   | L2   | L3   | L4   | A    | Ordering No |
|--------------------|------------|-----|------|------|------|------|------|------|-------------|
| 4                  | 1/8        | 12  | 13.5 | 15   | 24.5 | 21   | 22   | 14.5 | WS0110450   |
| 6                  | 1/8        | 12  | 13.5 | 15.5 | 24.5 | 21   | 23   | 15.5 | WS0110650   |
|                    | 1/4        | 14  | 18   | 20   | 30.5 | 25   | 25   | 15.5 | WS0110651   |
| 8                  | 1/8        | 12  | 13.5 | 17.5 | 24.5 | 21   | 27   | 17   | WS0110850   |
|                    | 1/4        | 14  | 18   | 20.5 | 30.5 | 25   | 27.5 | 17   | WS0110851   |
|                    | 3/8        | 19  | 22   | 23   | 36.5 | 30.5 | 29.5 | 17   | WS0110852   |
|                    | 1/2        | 24  | 28   | 26.5 | 42   | 34.5 | 32.5 | 17   | WS0110853   |
| 10                 | 1/4        | 14  | 18   | 22.5 | 30.5 | 25   | 32.5 | 20   | WS0111051   |
|                    | 3/8        | 19  | 22   | 24   | 36.5 | 30.5 | 34.5 | 20   | WS0111052   |
|                    | 1/2        | 24  | 28   | 27.5 | 42   | 34.5 | 36.5 | 20   | WS0111053   |
| 12                 | 3/8        | 19  | 22   | 25   | 36.5 | 30.5 | 36   | 20.5 | WS0111252   |
|                    | 1/2        | 24  | 28   | 28.5 | 42   | 34.5 | 37.5 | 20.5 | WS0111253   |

### Double Swivel



| Applicable Tube OD | Thread (R) | Hex | ØD   | L1   | L2   | L3   | L4   | L5   | A    | Ordering No |
|--------------------|------------|-----|------|------|------|------|------|------|------|-------------|
| 4                  | 1/8        | 12  | 13.5 | 15   | 40   | 36.5 | 22   | 15.5 | 14.5 | WS0120450   |
| 6                  | 1/8        | 12  | 13.5 | 15.5 | 40   | 36.5 | 23   | 15.5 | 15.5 | WS0120650   |
|                    | 1/4        | 14  | 18   | 20   | 50   | 44.5 | 25   | 19.4 | 15.5 | WS0120651   |
| 8                  | 1/8        | 12  | 13.5 | 17.5 | 40   | 36.5 | 27   | 15.5 | 17   | WS0120850   |
|                    | 1/4        | 14  | 18   | 20.5 | 50   | 44.5 | 27.5 | 19.4 | 17   | WS0120851   |
|                    | 3/8        | 19  | 22   | 23   | 58.5 | 52.5 | 29.5 | 21.6 | 17   | WS0120852   |
|                    | 1/2        | 24  | 28   | 26.5 | 63.5 | 56   | 32.5 | 21.5 | 17   | WS0120853   |
| 10                 | 1/4        | 14  | 18   | 22.5 | 50   | 44.5 | 32.5 | 19.4 | 20   | WS0121051   |
|                    | 3/8        | 19  | 22   | 24   | 58.5 | 52.5 | 34.5 | 21.6 | 20   | WS0121052   |
|                    | 1/2        | 24  | 28   | 27.5 | 63.5 | 56   | 36.5 | 21.5 | 20   | WS0121053   |
| 12                 | 3/8        | 19  | 22   | 25   | 58.5 | 52.5 | 36   | 21.6 | 20.5 | WS0121252   |
|                    | 1/2        | 24  | 28   | 28.5 | 63.5 | 56   | 37.5 | 21.5 | 20.5 | WS0121253   |

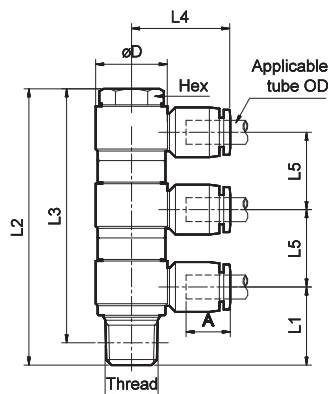
\* M5 threads are supplied with sealing washer  
A, A1, A2 - Tube insertion length

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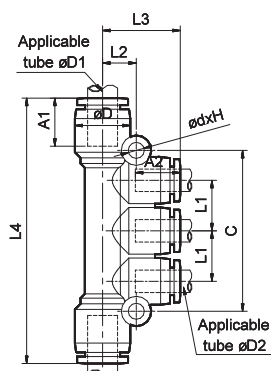
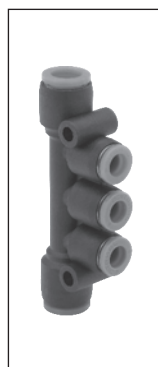
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### Triple Swivel



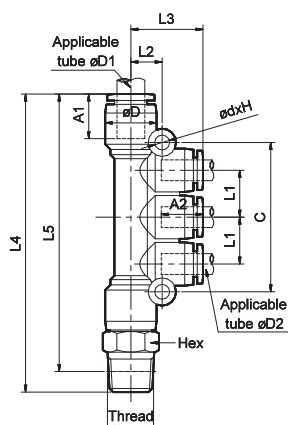
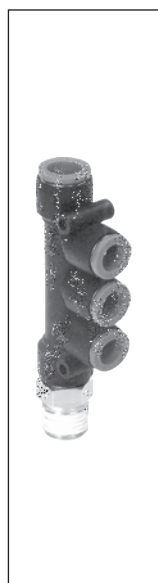
| Applicable Tube OD | Thread (R) | Hex | ØD   | L1   | L2   | L3   | L4   | L5   | A    | Ordering No |
|--------------------|------------|-----|------|------|------|------|------|------|------|-------------|
| 4                  | 1/8        | 12  | 13.5 | 15   | 55.5 | 52   | 22   | 15.5 | 14.5 | WS0130450   |
| 6                  | 1/8        | 12  | 13.5 | 15.5 | 55.5 | 52   | 23   | 15.5 | 15.5 | WS0130650   |
|                    | 1/4        | 14  | 18   | 20   | 69.5 | 64   | 25   | 19.4 | 15.5 | WS0130651   |
| 8                  | 1/8        | 12  | 13.5 | 17.5 | 55.5 | 52   | 27   | 15.5 | 17   | WS0130850   |
|                    | 1/4        | 14  | 18   | 20.5 | 69.5 | 64   | 27.5 | 19.4 | 17   | WS0130851   |
|                    | 3/8        | 19  | 22   | 23   | 80   | 74   | 29.5 | 21.6 | 17   | WS0130852   |
|                    | 1/2        | 24  | 28   | 26.5 | 85   | 77.5 | 32.5 | 21.5 | 17   | WS0130853   |
| 10                 | 1/4        | 14  | 18   | 22.5 | 69.5 | 64   | 32.5 | 19.4 | 20   | WS0131051   |
|                    | 3/8        | 19  | 22   | 24   | 80   | 74   | 34.5 | 21.6 | 20   | WS0131052   |
|                    | 1/2        | 24  | 28   | 27.5 | 85   | 77.5 | 36.5 | 21.5 | 20   | WS0131053   |
| 12                 | 3/8        | 19  | 22   | 25   | 80   | 74   | 36   | 21.6 | 20.5 | WS0131252   |
|                    | 1/2        | 24  | 28   | 28.5 | 85   | 77.5 | 37.5 | 21.5 | 20.5 | WS0131253   |

### Multi Distributor Union



| Applicable Tube OD |     | ØD   | L1   | L2 | L3   | L4   | C  | A1   | A2   | ØdxH     | Ordering No |
|--------------------|-----|------|------|----|------|------|----|------|------|----------|-------------|
| ØD1                | ØD2 |      |      |    |      |      |    |      |      |          |             |
| 6                  | 4   | 12.5 | 11.5 | 8  | 19   | 60.5 | 37 | 15.5 | 14.5 | 4.3x13   | WD2100604   |
| 8                  | 4   | 15   | 11.5 | 9  | 20   | 63   | 37 | 17   | 14.5 | 4.3x15.5 | WD2100804   |
| 8                  | 6   | 15   | 13.5 | 9  | 21   | 71   | 43 | 17   | 15.5 | 4.3x15.5 | WD2100806   |
| 10                 | 6   | 18.5 | 13.5 | 11 | 22   | 76   | 43 | 20   | 15.5 | 4.3x19   | WD2101006   |
| 10                 | 8   | 18.5 | 16   | 11 | 24   | 82   | 51 | 20   | 17   | 4.3x19   | WD2101008   |
| 12                 | 8   | 21   | 16   | 12 | 24   | 84.5 | 51 | 20.5 | 17   | 4.3x21.5 | WD2101208   |
| 12                 | 10  | 21   | 19.5 | 12 | 27.5 | 92.5 | 61 | 20.5 | 20   | 4.3x21.5 | WD2101210   |

### Multi Distributor Male



| Applicable Tube OD |     | Thread (R) | Hex | ØD   | L1   | L2 | L3   | L4    | L5   | C  | A1   | A2   | ØdxH     | Ordering No |
|--------------------|-----|------------|-----|------|------|----|------|-------|------|----|------|------|----------|-------------|
| ØD1                | ØD2 |            |     |      |      |    |      |       |      |    |      |      |          |             |
| 6                  | 4   | 1/8        | 12  | 12.5 | 11.5 | 8  | 19   | 72    | 68.5 | 37 | 15.5 | 14.5 | 4.3x13   | WD211060450 |
|                    |     | 1/4        | 14  | 12.5 | 11.5 | 8  | 19   | 74    | 68.5 | 37 | 15.5 | 14.5 | 4.3x13   | WD211060451 |
|                    |     | 3/8        | 17  | 12.5 | 11.5 | 8  | 19   | 75    | 69   | 37 | 15.5 | 14.5 | 4.3x13   | WD211060452 |
| 8                  | 4   | 1/8        | 14  | 15   | 11.5 | 9  | 20   | 74.5  | 71   | 37 | 17   | 14.5 | 4.3x15.5 | WD211080450 |
|                    |     | 1/4        | 14  | 15   | 11.5 | 9  | 20   | 78    | 72.5 | 37 | 17   | 14.5 | 4.3x15.5 | WD211080451 |
|                    |     | 3/8        | 17  | 15   | 11.5 | 9  | 20   | 77.5  | 71.5 | 37 | 17   | 14.5 | 4.3x15.5 | WD211080452 |
| 8                  | 6   | 1/8        | 14  | 15   | 13.5 | 9  | 21   | 82.5  | 79   | 43 | 17   | 15.5 | 4.3x15.5 | WD211080650 |
|                    |     | 1/4        | 14  | 15   | 13.5 | 9  | 21   | 86    | 80.5 | 43 | 17   | 15.5 | 4.3x15.5 | WD211080651 |
|                    |     | 3/8        | 17  | 15   | 13.5 | 9  | 21   | 85.5  | 79.5 | 43 | 17   | 15.5 | 4.3x15.5 | WD211080652 |
| 10                 | 6   | 1/4        | 17  | 18.5 | 13.5 | 11 | 22   | 91.5  | 86   | 43 | 20   | 15.5 | 4.3x19   | WD211100651 |
|                    |     | 3/8        | 17  | 18.5 | 13.5 | 11 | 22   | 92    | 86   | 43 | 20   | 15.5 | 4.3x19   | WD211100652 |
|                    |     | 1/2        | 22  | 18.5 | 13.5 | 11 | 22   | 95.5  | 88   | 43 | 20   | 15.5 | 4.3x19   | WD211100653 |
| 10                 | 8   | 1/4        | 17  | 18.5 | 16   | 11 | 24   | 97.5  | 92   | 51 | 20   | 17   | 4.3x19   | WD211100851 |
|                    |     | 3/8        | 17  | 18.5 | 16   | 11 | 24   | 98    | 92   | 51 | 20   | 17   | 4.3x19   | WD211100852 |
|                    |     | 1/2        | 22  | 18.5 | 16   | 11 | 24   | 101.5 | 94   | 51 | 20   | 17   | 4.3x19   | WD211100853 |
| 12                 | 8   | 3/8        | 19  | 21   | 16   | 12 | 24   | 101   | 95   | 51 | 20.5 | 17   | 4.3x21.5 | WD211120852 |
|                    |     | 1/2        | 22  | 21   | 16   | 12 | 24   | 103.5 | 96   | 51 | 20.5 | 17   | 4.3x21.5 | WD211120853 |
| 12                 | 10  | 3/8        | 19  | 21   | 19.5 | 12 | 27.5 | 109   | 103  | 61 | 20.5 | 20   | 4.3x21.5 | WD211121052 |
|                    |     | 1/2        | 22  | 21   | 19.5 | 12 | 27.5 | 111.5 | 104  | 61 | 20.5 | 20   | 4.3x21.5 | WD211121053 |

A, A1, A2 - Tube insertion length