

Quick Push-in fittings - QF series

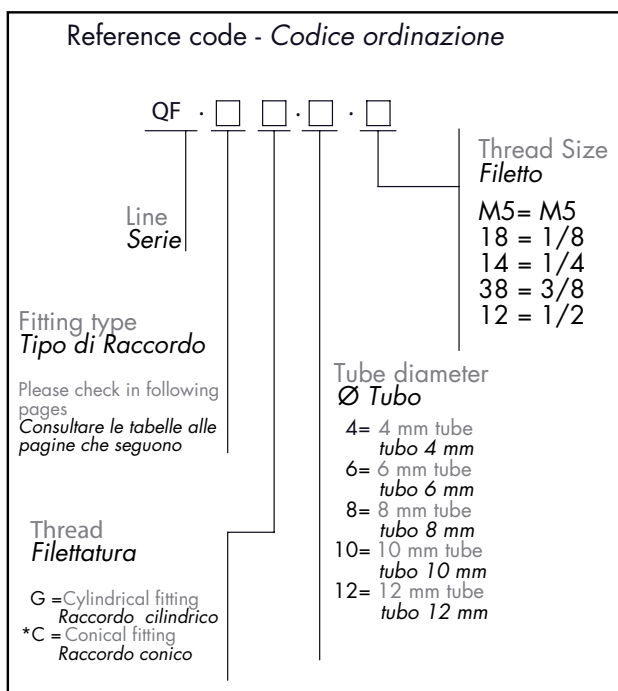
Raccordi di connessione rapida - Serie QF



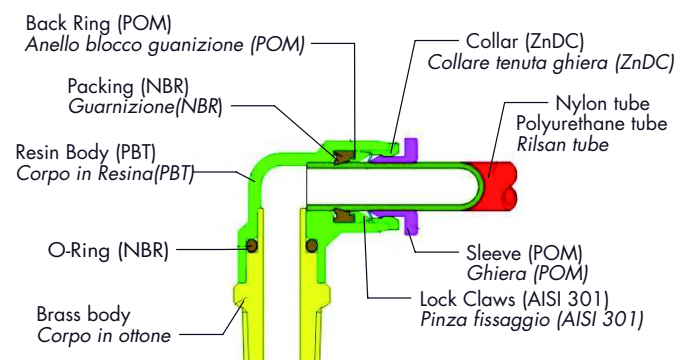
The quick push-in fittings QF series allows very fast and safe connections in pneumatic automation field. The wide range of models, versions and sizes available makes QF fittings very flexible in every application of valves and cylinders.

I raccordi ad innesto e disinnesto rapido del tubo permettono connessioni molto rapide e flessibili anche in situazioni e spazi limitati. La vasta gamma di figure e taglie Vesta consente il loro utilizzo in modo ottimale nel campo dell'automazione pneumatica in genere con collegamenti sicuri nei più svariati campi di impiego.

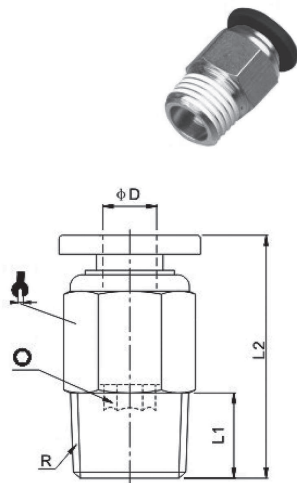
| TECHNICAL DATA - DATI TECNICI | |
|--|--|
| Applications - Applicazioni | compressed air/vacuum - Aria compressa /vuoto |
| Fluid - Fluido | Air (no other gases or liquids) - Aria (no altri fluidi) |
| Working pressure - Pressione di lavoro | 0 - 10 bar |
| Max Pressure - Massima pressione | 12 bar |
| Vacuum - Depressione | -1 bar |
| Operating Temperature - Range di temperatura | - 5 °C + 60 °C |
| Recommended hoses - Tubi consigliati | Nylon, Polyurethane, Rilsan - Nylon, Poliuretano, Rilsan |



*on request / a richiesta

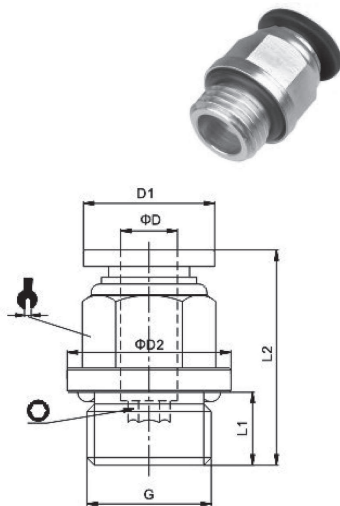


QF CC on request / a richiesta



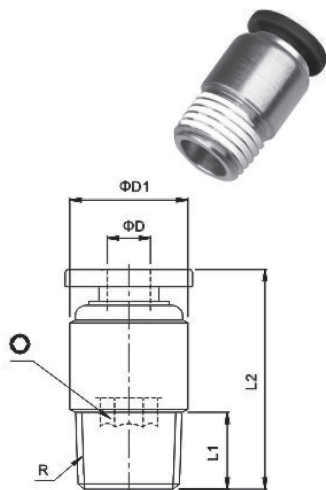
| MODEL | Ø D | R | L1 | L2 | ○ | ↗ |
|-------------|-----|------|------|------|---|----|
| QF CC 04 M5 | 4 | M5 | 3,5 | 20,3 | 2 | 10 |
| QF CC 04 18 | | R1/8 | 7,5 | 20 | 3 | 10 |
| QF CC 06 M5 | 6 | M5 | 3,5 | 21 | 2 | 12 |
| QF CC 06 18 | | R1/8 | 7,5 | 20,5 | 4 | 12 |
| QF CC 06 14 | | R1/4 | 9,5 | 22,5 | 4 | 14 |
| QF CC 08 18 | 8 | R1/8 | 7,5 | 25,5 | 5 | 14 |
| QF CC 08 14 | | R1/4 | 9,5 | 24,5 | 5 | 14 |
| QF CC 08 38 | | R3/8 | 10,5 | 21,5 | 6 | 17 |
| QF CC 10 14 | 10 | R1/4 | 9,5 | 31 | 6 | 17 |
| QF CC 10 38 | | R3/8 | 10,5 | 28,5 | 8 | 17 |
| QF CC 10 12 | | R1/2 | 13,5 | 26,5 | 8 | 21 |
| QF CC 12 38 | 12 | R3/8 | 10,5 | 30 | 8 | 21 |
| QF CC 12 12 | | R1/2 | 13,5 | 32,5 | 8 | 21 |

QF CG

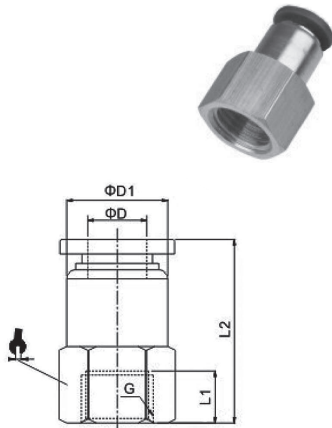


| MODEL | Ø D | G | Ø D1 | Ø D2 | L1 | L2 | ○ | ↗ |
|-------------|-----|------|------|------|-----|------|---|----|
| QF CG 04 18 | 4 | G1/8 | 12 | 14 | 5,5 | 19,5 | 3 | 10 |
| QF CG 06 18 | 6 | G1/8 | 14 | 14 | 5,5 | 22 | 4 | 12 |
| QF CG 06 14 | | G1/4 | 14 | 17 | 7,5 | 22,5 | 4 | 12 |
| QF CG 08 18 | 8 | G1/8 | 16 | 14 | 5,5 | 25 | 4 | 14 |
| QF CG 08 14 | | G1/4 | 16 | 17 | 7,5 | 24 | 5 | 14 |
| QF CG 08 38 | | G3/8 | 16 | 20 | 7,5 | 20,5 | 6 | 14 |
| QF CG 10 14 | 10 | G1/4 | 19,5 | 17 | 7,5 | 30,5 | 6 | 17 |
| QF CG 10 38 | | G3/8 | 19,5 | 20 | 7,5 | 27 | 8 | 17 |
| QF CG 10 12 | | G1/2 | 19,5 | 24 | 10 | 30 | 8 | 17 |
| QF CG 12 38 | 12 | G3/8 | 23 | 20 | 7,5 | 28 | 8 | 21 |
| QF CG 12 12 | | G1/2 | 23 | 24 | 10 | 30,5 | 8 | 21 |

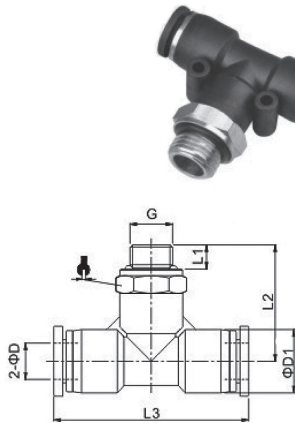
QF AC on request / a richiesta



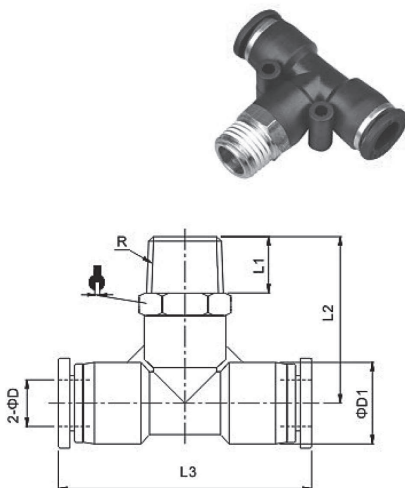
| MODEL | Ø D | R | L1 | L2 | Ø D1 | ○ |
|-------------|-----|------|------|------|------|---|
| QF AC 04 M5 | 4 | M5 | 3,5 | 20,3 | 10 | 2 |
| QF AC 04 18 | | R1/8 | 7,5 | 20 | 10 | 3 |
| QF AC 06 M5 | 6 | M5 | 3,5 | 21 | 12 | 2 |
| QF AC 06 18 | | R1/8 | 7,5 | 20,5 | 12 | 4 |
| QF AC 06 14 | | R1/4 | 9,5 | 22,5 | 14 | 4 |
| QF AC 08 18 | 8 | R1/8 | 7,5 | 25,5 | 14 | 5 |
| QF AC 08 14 | | R1/4 | 9,5 | 24,5 | 14 | 5 |
| QF AC 08 38 | | R3/8 | 10,5 | 21,5 | 17 | 6 |
| QF AC 10 14 | 10 | R1/4 | 9,5 | 31 | 17 | 6 |
| QF AC 10 38 | | R3/8 | 10,5 | 28,5 | 17 | 8 |
| QF AC 10 12 | | R1/2 | 13,5 | 26,5 | 21 | 8 |
| QF AC 12 38 | 12 | R3/8 | 10,5 | 30 | 21 | 8 |
| QF AC 12 12 | | R1/2 | 13,5 | 32,5 | 21 | 8 |

QF BG


| MODEL | Ø D | G | L1 | L2 | Ø D1 | ↻ |
|-------------|-----|------|-----|------|------|----|
| QF BG 04 18 | 4 | G1/8 | 8,5 | 24 | 10 | 14 |
| QF BG 06 18 | 6 | G1/8 | 8,5 | 24,5 | 12 | 14 |
| QF BG 06 14 | | G1/4 | 11 | 27 | 12 | 17 |
| QF BG 08 18 | 8 | G1/8 | 8,5 | 26 | 14 | 14 |
| QF BG 08 14 | | G1/4 | 11 | 28,5 | 14 | 17 |
| QF BG 08 38 | | G3/8 | 12 | 29,5 | 14 | 21 |
| QF BG 10 14 | 10 | G1/4 | 11 | 32,7 | 17 | 17 |
| QF BG 10 38 | | G3/8 | 12 | 33 | 17 | 21 |
| QF BG 10 12 | | G1/2 | 14 | 35,7 | 17 | 24 |
| QF BG 12 38 | 12 | G3/8 | 12 | 34,5 | 20 | 21 |
| QF BG 12 12 | | G1/2 | 14 | 36,5 | 20 | 24 |

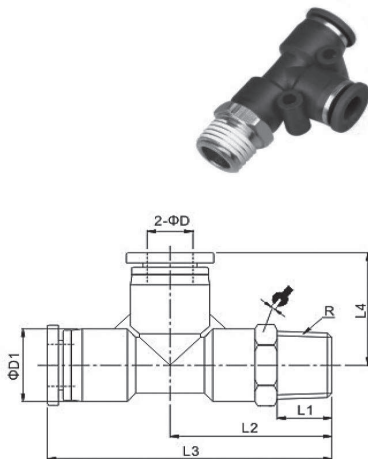
QF TG


| MODEL | Ø D | G | L1 | L2 | L3 | Ø D1 | ↻ |
|-------------|-----|------|-----|------|----|------|----|
| QF TG 04 18 | 4 | G1/8 | 5,5 | 25,5 | 38 | 11,5 | 14 |
| QF TG 06 18 | 6 | G1/8 | 5,5 | 26,7 | 39 | 13,5 | 14 |
| QF TG 06 14 | | G1/4 | 7,5 | 28,2 | 39 | 13,5 | 17 |
| QF TG 08 18 | 8 | G1/8 | 5,5 | 29 | 45 | 15 | 14 |
| QF TG 08 14 | | G1/4 | 7,5 | 31,5 | 45 | 15 | 17 |
| QF TG 08 38 | | G3/8 | 7,5 | 32 | 45 | 15 | 20 |
| QF TG 10 14 | 10 | G1/4 | 7,5 | 37 | 57 | 19 | 17 |
| QF TG 10 38 | | G3/8 | 7,5 | 37 | 57 | 19 | 20 |
| QF TG 10 12 | | G1/2 | 10 | 40,5 | 57 | 19 | 24 |
| QF TG 12 38 | 12 | G3/8 | 7,5 | 38,5 | 59 | 21,5 | 21 |
| QF TG 12 12 | | G1/2 | 10 | 41,5 | 59 | 21,5 | 24 |

QF TC on request / a richiesta


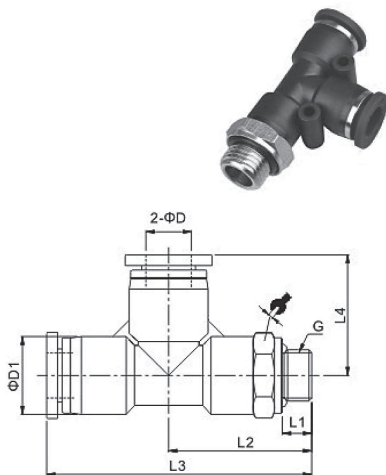
| MODEL | Ø D | R | L1 | L2 | L3 | Ø D1 | ↻ |
|-------------|-----|------|------|------|----|------|----|
| QF TC 04 M5 | 4 | M5 | 3,5 | 22,5 | 38 | 11,5 | 10 |
| QF TC 04 18 | | R1/8 | 7,5 | 25 | 38 | 11,5 | 10 |
| QF TC 06 M5 | 6 | M5 | 3,5 | 23,2 | 39 | 13,5 | 12 |
| QF TC 06 18 | | R1/8 | 7,5 | 25,7 | 39 | 13,5 | 12 |
| QF TC 06 14 | | R1/4 | 9,5 | 28,2 | 39 | 13,5 | 14 |
| QF TC 08 18 | 8 | R1/8 | 7,5 | 29,5 | 45 | 15 | 14 |
| QF TC 08 14 | | R1/4 | 9,5 | 31,5 | 45 | 15 | 14 |
| QF TC 08 38 | | R3/8 | 10,5 | 33 | 45 | 15 | 17 |
| QF TC 10 14 | 10 | R1/4 | 9,5 | 37 | 57 | 19 | 17 |
| QF TC 10 38 | | R3/8 | 10,5 | 38 | 57 | 19 | 17 |
| QF TC 10 12 | | R1/2 | 13,5 | 41,8 | 57 | 19 | 21 |
| QF TC 12 38 | 12 | R3/8 | 10,5 | 39,5 | 59 | 21,5 | 21 |
| QF TC 12 12 | | R1/2 | 13,5 | 42,5 | 59 | 21,5 | 21 |

QF DC on request / a richiesta



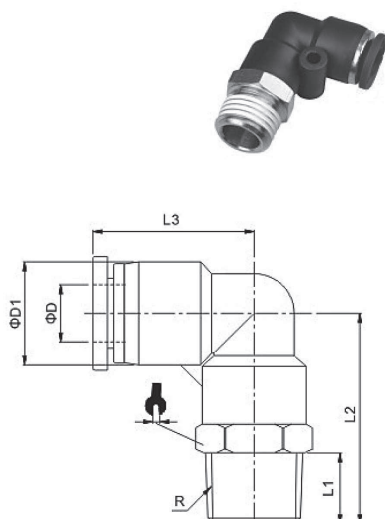
| MODEL | Ø D | R | L1 | L2 | L3 | L4 | Ø D1 | ↗ |
|-------------|-----|------|------|------|------|------|------|----|
| QF DC 04 M5 | 4 | M5 | 3,5 | 22,5 | 41,5 | 19 | 11,5 | 10 |
| QF DC 04 18 | | R1/8 | 7,5 | 25 | 44 | 19 | 11,5 | 10 |
| QF DC 06 18 | 6 | M5 | 3,5 | 23,2 | 42,4 | 19,2 | 13,5 | 12 |
| QF DC 06 18 | | R1/8 | 7,5 | 25,7 | 44,9 | 19,2 | 13,5 | 12 |
| QF DC 06 14 | | R1/4 | 9,5 | 28,2 | 47,5 | 19,2 | 13,5 | 14 |
| QF DC 08 18 | 8 | R1/8 | 7,5 | 29,5 | 52 | 22,5 | 15 | 14 |
| QF DC 08 14 | | R1/4 | 9,5 | 31,5 | 54 | 22,5 | 15 | 14 |
| QF DC 08 12 | | R3/8 | 10,5 | 33 | 55,5 | 22,5 | 15 | 17 |
| QF DC 10 14 | 10 | R1/4 | 9,5 | 37 | 65,5 | 27,8 | 19 | 17 |
| QF DC 10 38 | | R3/8 | 10,5 | 38 | 66,5 | 27,8 | 19 | 17 |
| QF DC 10 12 | | R1/2 | 13,5 | 41,5 | 70 | 27,8 | 19 | 21 |
| QF DC 12 38 | 12 | R3/8 | 10,5 | 39,5 | 69 | 29,5 | 21,5 | 21 |
| QF DC 12 12 | | R1/2 | 13,5 | 42,5 | 72 | 29,5 | 21,5 | 21 |

QF DG



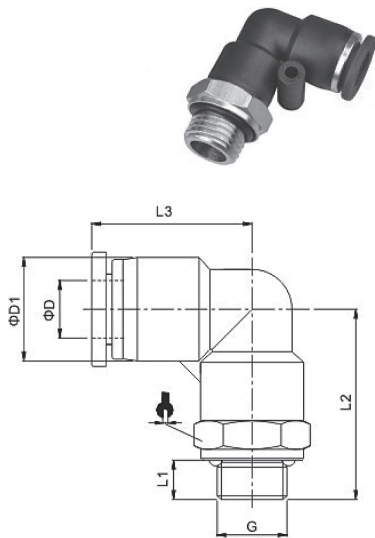
| MODEL | Ø D | G | L1 | L2 | L3 | L4 | Ø D1 | ↗ |
|-------------|-----|------|-----|------|------|------|------|----|
| QF DG 04 18 | 4 | G1/8 | 5,5 | 25,5 | 44,5 | 19 | 11,5 | 14 |
| QF DG 06 18 | 6 | G1/8 | 5,5 | 25,7 | 44,9 | 19,2 | 13,5 | 14 |
| QF DG 06 14 | | G1/4 | 7,5 | 28,2 | 47,5 | 19,2 | 13,5 | 17 |
| QF DG 08 18 | 8 | G1/8 | 5,5 | 29 | 51,5 | 22,5 | 15 | 14 |
| QF DG 08 14 | | G1/4 | 7,5 | 31,5 | 54 | 22,5 | 15 | 17 |
| QF DG 08 38 | | G3/8 | 7,5 | 32 | 54,5 | 22,5 | 15 | 20 |
| QF DG 10 14 | 10 | G1/4 | 7,5 | 37 | 65,5 | 27,8 | 19 | 17 |
| QF DG 10 38 | | G3/8 | 7,5 | 37 | 65,5 | 27,8 | 19 | 20 |
| QF DG 10 12 | | G1/2 | 10 | 40,5 | 69 | 27,8 | 19 | 24 |
| QF DG 12 38 | 12 | G3/8 | 7,5 | 38,5 | 68 | 29,5 | 21,5 | 21 |
| QF DG 12 12 | | G1/2 | 10 | 41,5 | 71 | 29,5 | 21,5 | 24 |

QF LC on request / a richiesta



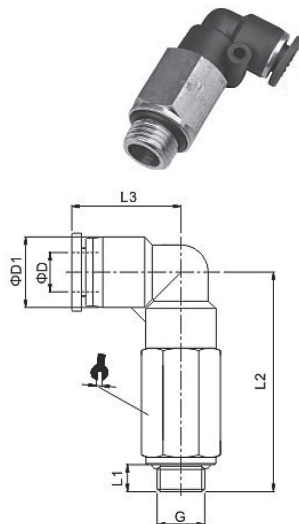
| MODEL | Ø D | R | L1 | L2 | L3 | Ø D1 | ↗ |
|-------------|-----|------|------|------|------|------|----|
| QF LC 04 M5 | 4 | M5 | 3,5 | 22,5 | 19 | 11,5 | 10 |
| QF LC 04 18 | | R1/8 | 7,5 | 25 | 19 | 11,5 | 10 |
| QF LC 06 M5 | 6 | M5 | 3,5 | 23,2 | 19,2 | 13,5 | 12 |
| QF LC 06 18 | | R1/8 | 7,5 | 25,7 | 19,2 | 13,5 | 12 |
| QF LC 06 14 | | R1/4 | 9,5 | 28,2 | 19,2 | 13,5 | 14 |
| QF LC 08 18 | 8 | R1/8 | 7,5 | 29 | 22,5 | 15 | 14 |
| QF LC 08 14 | | R1/4 | 9,5 | 31 | 22,5 | 15 | 14 |
| QF LC 08 38 | | R3/8 | 10,5 | 33 | 22,5 | 15 | 17 |
| QF LC 10 14 | 10 | R1/4 | 9,5 | 36,5 | 27,8 | 19 | 17 |
| QF LC 10 38 | | R3/8 | 10,5 | 37,5 | 27,8 | 19 | 17 |
| QF LC 10 12 | | R1/2 | 13,5 | 41 | 27,8 | 19 | 21 |
| QF LC 12 38 | 12 | R3/8 | 10,5 | 39,5 | 29,5 | 21,5 | 21 |
| QF LC 12 12 | | R1/2 | 13,5 | 42,5 | 29,5 | 21,5 | 21 |

QF LG



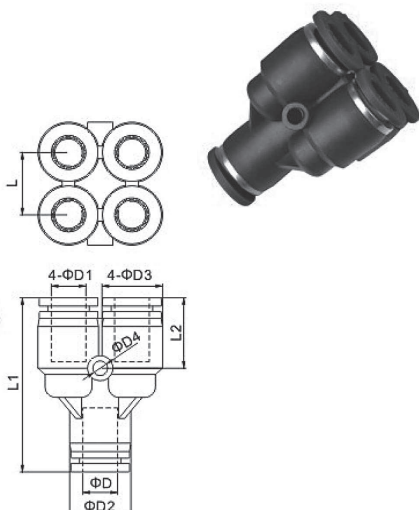
| MODEL | Ø D | G | L1 | L2 | L3 | Ø D1 | ↻ |
|-------------|-----|------|-----|------|------|------|----|
| QF LG 04 18 | 4 | G1/8 | 5,5 | 25,5 | 19 | 11,5 | 14 |
| QF LG 06 18 | 6 | G1/8 | 5,5 | 25,7 | 19,2 | 13,5 | 14 |
| QF LG 06 14 | | G1/4 | 7,5 | 28,2 | 19,2 | 13,5 | 17 |
| QF LG 08 18 | 8 | G1/8 | 5,5 | 29 | 22,5 | 15 | 14 |
| QF LG 08 14 | | G1/4 | 7,5 | 31,5 | 22,5 | 15 | 17 |
| QF LG 08 38 | 10 | G3/8 | 7,5 | 32 | 22,5 | 15 | 20 |
| QF LG 10 14 | | G1/4 | 7,5 | 36,5 | 27,8 | 19 | 17 |
| QF LG 10 38 | | G3/8 | 7,5 | 36,5 | 27,8 | 19 | 20 |
| QF LG 10 12 | 12 | G1/2 | 10 | 40 | 27,8 | 19 | 24 |
| QF LG 12 38 | | G3/8 | 7,5 | 38,5 | 29,5 | 21,5 | 21 |
| QF LG 12 12 | | G1/2 | 10 | 41,5 | 29,5 | 21,5 | 24 |

QF RG



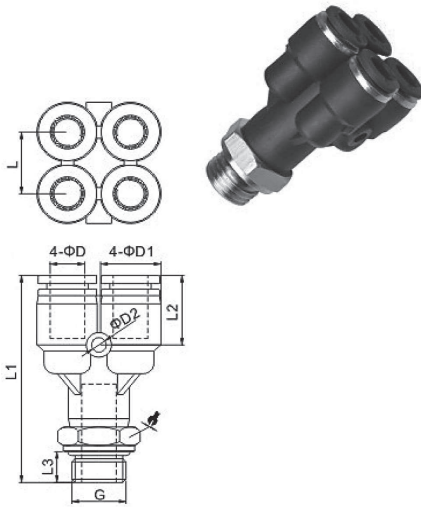
| MODEL | Ø D | G | L1 | L2 | L3 | Ø D1 | ↻ |
|-------------|-----|------|-----|------|------|------|----|
| QF RG 04 18 | 4 | G1/8 | 5,5 | 37,5 | 19 | 11,5 | 14 |
| QF RG 06 18 | 6 | G1/8 | 5,5 | 39,2 | 19,2 | 13,5 | 14 |
| QF RG 06 14 | | G1/4 | 7,5 | 41,7 | 19,2 | 13,5 | 17 |
| QF RG 08 18 | 8 | G1/8 | 5,5 | 44,3 | 22,5 | 15 | 17 |
| QF RG 08 14 | | G1/4 | 7,5 | 46,3 | 22,5 | 15 | 17 |
| QF RG 08 38 | 10 | G3/8 | 7,5 | 48 | 22,5 | 15 | 20 |
| QF RG 10 14 | | G1/4 | 7,5 | 56,5 | 27,8 | 19 | 17 |
| QF RG 10 38 | | G3/8 | 7,5 | 56,5 | 27,8 | 19 | 20 |
| QF RG 10 12 | 12 | G1/2 | 10 | 60 | 27,8 | 19 | 24 |
| QF RG 12 38 | | G3/8 | 7,5 | 62 | 29,5 | 21,5 | 21 |
| QF RG 12 12 | | G1/2 | 10 | 65 | 29,5 | 21,5 | 24 |

QF XG



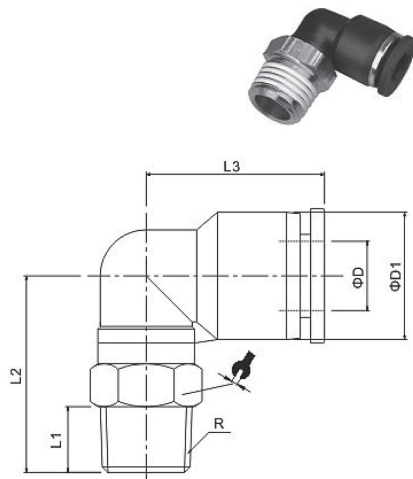
| MODEL | Ø D | Ø D1 | Ø D2 | Ø D3 | Ø D4 | L | L1 | L2 |
|-------------|-----|------|------|------|------|----|------|------|
| QF XG 06 04 | 6 | 4 | 13,3 | 11,3 | 3,2 | 11 | 36,5 | 15 |
| QF XG 08 08 | 8 | 8 | 14,8 | 14,8 | 3,2 | 15 | 41 | 16,5 |
| QF XG 08 04 | 8 | 4 | 14,8 | 11,3 | 3,2 | 11 | 38,5 | 15 |
| QF XG 08 06 | 8 | 6 | 14,8 | 13,3 | 3,2 | 13 | 40 | 15,5 |

QF IG



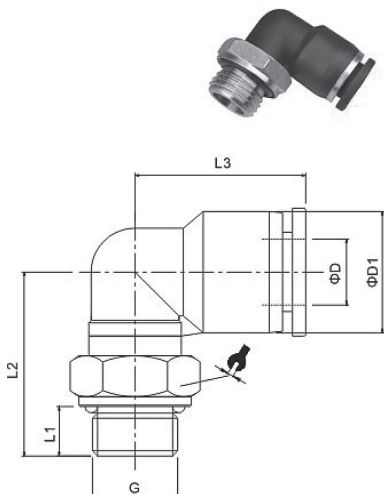
| MODEL | Ø D | G | L3 | Ø D1 | Ø D2 | L | L1 | L2 | ↻ |
|-------------|-----|------|-----|------|------|----|------|------|----|
| QF IG 04 18 | 4 | G1/8 | 5,5 | 11,3 | 3,2 | 11 | 43 | 15 | 14 |
| QF IG 04 14 | | G1/4 | 7,5 | 11,3 | 3,2 | 11 | 45,5 | 15 | 17 |
| QF IG 06 18 | 6 | G1/8 | 5,5 | 13,3 | 3,2 | 13 | 46,5 | 15,5 | 14 |
| QF IG 06 14 | | G1/4 | 7,5 | 13,3 | 3,2 | 13 | 49 | 15,5 | 17 |
| QF IG 06 38 | | G3/8 | 7,5 | 13,3 | 3,2 | 13 | 49,5 | 15,5 | 20 |
| QF IG 08 18 | 8 | G1/8 | 5,5 | 14,8 | 3,2 | 15 | 47,5 | 16,5 | 14 |
| QF IG 08 14 | | G1/4 | 7,5 | 14,8 | 3,2 | 15 | 50 | 16,5 | 17 |
| QF IG 08 38 | | G3/8 | 7,5 | 14,8 | 3,2 | 15 | 50,5 | 16,5 | 20 |

QF NC on request / a richiesta



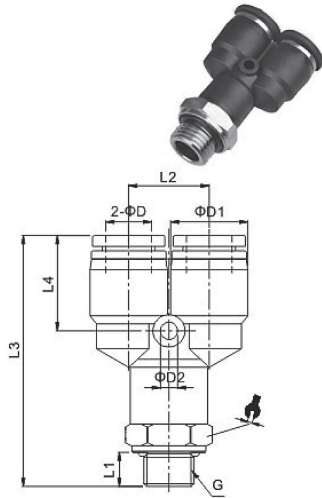
| MODEL | Ø D | R | L1 | L2 | L3 | Ø D1 | ↻ |
|-------------|-----|------|------|------|------|------|----|
| QF NC 04 M5 | 4 | M5 | 3,5 | 20 | 19 | 11,5 | 10 |
| QF NC 04 18 | | R1/8 | 7,5 | 20,5 | 19 | 11,5 | 10 |
| QF NC 06 M5 | 6 | M5 | 3,5 | 21 | 19,2 | 13,5 | 10 |
| QF NC 06 18 | | R1/8 | 7,5 | 21,5 | 19,2 | 13,5 | 10 |
| QF NC 06 14 | | R1/4 | 9,5 | 21 | 19,2 | 13,5 | 14 |
| QF NC 08 18 | 8 | R1/8 | 7,5 | 22,2 | 22,5 | 15 | 12 |
| QF NC 08 14 | | R1/4 | 9,5 | 21,7 | 22,5 | 15 | 17 |
| QF NC 08 38 | | R3/8 | 10,5 | 22,7 | 22,5 | 15 | 17 |
| QF NC 10 14 | 10 | R1/4 | 9,5 | 28,4 | 27,8 | 19 | 14 |
| QF NC 10 38 | | R3/8 | 10,5 | 24,7 | 27,8 | 19 | 17 |
| QF NC 10 12 | | R1/2 | 13,5 | 28,2 | 27,8 | 19 | 21 |
| QF NC 12 38 | 12 | R3/8 | 10,5 | 26 | 29,5 | 21,5 | 17 |
| QF NC 12 12 | | R1/2 | 13,5 | 29,5 | 29,5 | 21,5 | 21 |

QF NG



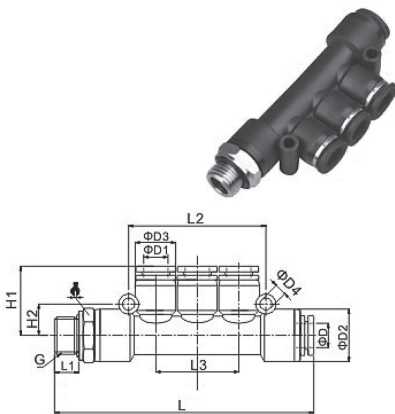
| MODEL | Ø D | G | L1 | L2 | L3 | Ø D1 | ↻ |
|-------------|-----|------|-----|------|------|------|----|
| QF NG 04 M5 | 4 | G1/8 | 5,5 | 22 | 19 | 11,5 | 14 |
| QF NG 06 18 | 6 | G1/8 | 5,5 | 23 | 19,2 | 13,5 | 14 |
| QF NG 06 14 | | G1/4 | 7,5 | 20,5 | 19,2 | 13,5 | 17 |
| QF NG 08 18 | 8 | G1/8 | 5,5 | 23,7 | 22,5 | 15 | 14 |
| QF NG 08 14 | | G1/4 | 7,5 | 21,2 | 22,5 | 15 | 17 |
| QF NG 08 38 | | G3/8 | 7,5 | 21,7 | 22,5 | 15 | 20 |
| QF NG 10 14 | 10 | G1/4 | 7,5 | 28 | 27,8 | 19 | 17 |
| QF NG 10 38 | | G3/8 | 7,5 | 23,7 | 27,8 | 19 | 20 |
| QF NG 10 12 | | G1/2 | 10 | 26,2 | 27,8 | 19 | 24 |
| QF NG 12 38 | 12 | G3/8 | 7,5 | 25 | 29,5 | 21,5 | 20 |
| QF NG 12 12 | | G1/2 | 10 | 27,5 | 29,5 | 21,5 | 24 |

QF WG



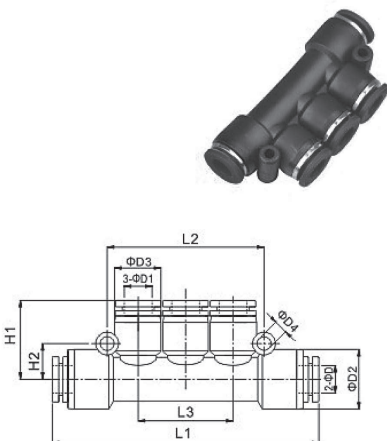
| MODEL | Ø D | G | L1 | L2 | L3 | L4 | Ø D1 | Ø D2 | ↻ |
|-------------|-----|------|-----|----|------|------|------|------|----|
| QF WG 04 18 | 4 | G1/8 | 5,5 | 11 | 43 | 14,5 | 11,5 | 3,2 | 14 |
| QF WG 06 18 | 6 | G1/8 | 5,5 | 13 | 44 | 15 | 13,5 | 3,2 | 14 |
| QF WG 06 14 | | G1/4 | 7,5 | 13 | 46,5 | 15 | 13,5 | 3,2 | 17 |
| QF WG 08 18 | 8 | G1/8 | 5,5 | 15 | 46,3 | 18 | 15 | 3,2 | 14 |
| QF WG 08 14 | | G1/4 | 7,5 | 15 | 48,8 | 18 | 15 | 3,2 | 17 |
| QF WG 08 38 | | G3/8 | 7,5 | 15 | 49,3 | 18 | 15 | 3,2 | 20 |
| QF WG 10 14 | 10 | G1/4 | 7,5 | 18 | 58,5 | 21 | 19 | 4,2 | 17 |
| QF WG 10 38 | | G3/8 | 7,5 | 18 | 58,5 | 21 | 19 | 4,2 | 20 |
| QF WG 10 12 | | G1/2 | 10 | 18 | 62 | 21 | 19 | 4,2 | 24 |
| QF WG 12 38 | 12 | G3/8 | 7,5 | 21 | 62 | 21,5 | 21,5 | 4,2 | 21 |
| QF WG 12 12 | | G1/2 | 10 | 21 | 65 | 21,5 | 21,5 | 4,2 | 24 |

QF SG



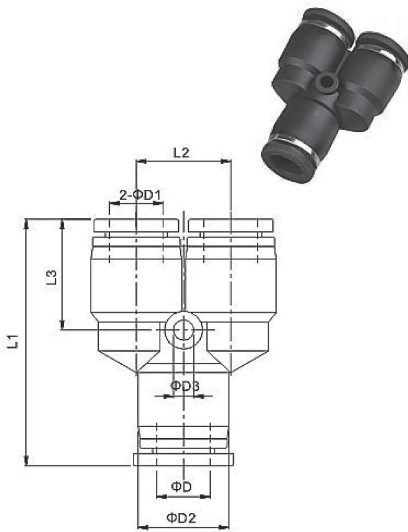
| MODEL | Ø D | G | Ø D1 | Ø D2 | Ø D3 | Ø D4 | H1 | H2 | L | L1 | L2 | L3 | ↻ |
|-------------|-----|------|------|------|------|------|------|----|------|-----|------|----|----|
| QF SG 04 18 | 4 | G1/8 | 4 | 14,5 | 13 | 3,2 | 19 | 9 | 68 | 5,5 | 42 | 26 | 14 |
| QF SG 04 14 | | G1/4 | 4 | 14,5 | 13 | 3,2 | 19 | 9 | 70 | 7,5 | 42 | 26 | 17 |
| QF SG 06 14 | 6 | G1/4 | 6 | 14,5 | 13 | 3,2 | 20,5 | 9 | 70 | 7,5 | 42 | 26 | 17 |
| QF SG 06 38 | | G3/8 | 6 | 14,5 | 13 | 3,2 | 20,5 | 9 | 70,5 | 7,5 | 42 | 26 | 20 |
| QF SG 08 14 | 8 | G1/4 | 8 | 18,4 | 14,5 | 3,2 | 24 | 11 | 89 | 7,5 | 48 | 29 | 17 |
| QF SG 08 38 | | G3/8 | 8 | 18,4 | 14,5 | 3,2 | 24 | 11 | 89,5 | 7,5 | 48 | 29 | 20 |
| QF SG 08 12 | | G1/2 | 8 | 18,4 | 14,5 | 3,2 | 24 | 11 | 92,5 | 10 | 48 | 29 | 24 |
| QF SG 10 38 | 10 | G3/8 | 10 | 18,4 | 18,4 | 4,2 | 27,5 | 12 | 98,5 | 7,5 | 60,8 | 37 | 20 |
| QF SG 10 12 | | G1/2 | 10 | 18,4 | 18,4 | 4,2 | 27,5 | 12 | 102 | 10 | 60,8 | 37 | 24 |

QF K



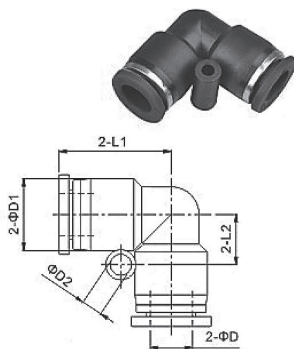
| MODEL | Ø D | Ø D1 | Ø D2 | Ø D3 | Ø D4 | L1 | L2 | L3 | H1 | H2 |
|------------|-----|------|------|------|------|----|----|----|------|------|
| QF K 04 04 | 4 | 4 | 14,5 | 13 | 3,2 | 57 | 36 | 22 | 19 | 8 |
| QF K 06 06 | 6 | 6 | 14,5 | 13 | 3,2 | 58 | 36 | 22 | 19,5 | 8 |
| QF K 08 08 | 8 | 8 | 19 | 14,5 | 4,2 | 84 | 61 | 29 | 24,5 | 11,5 |
| QF K 10 10 | 10 | 10 | 19 | 14,5 | 4,2 | 87 | 61 | 29 | 26 | 11,5 |
| QF K 06 04 | 6 | 4 | 14,5 | 13 | 3,2 | 58 | 36 | 22 | 19 | 8 |
| QF K 08 04 | 8 | 4 | 18,4 | 14,5 | 3,2 | 62 | 42 | 26 | 20,5 | 9 |
| QF K 08 06 | 8 | 6 | 18,4 | 14,5 | 3,2 | 81 | 48 | 29 | 24,5 | 9 |
| QF K 10 06 | 10 | 6 | 19 | 14,5 | 4,2 | 87 | 61 | 29 | 24,5 | 11,5 |
| QF K 10 08 | 10 | 8 | 19 | 14,5 | 4,2 | 87 | 61 | 29 | 24,5 | 11,5 |

QF Y



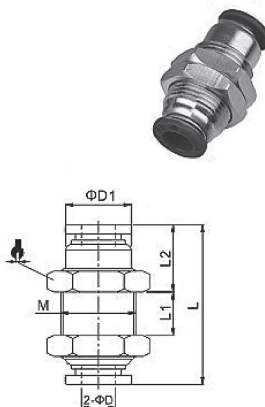
| MODEL | Ø D | Ø D1 | Ø D2 | Ø D3 | L1 | L2 | L3 |
|------------|-----|------|------|------|------|----|------|
| QF Y 04 04 | 4 | 4 | 11,5 | 3,2 | 36,5 | 11 | 14,5 |
| QF Y 06 06 | 6 | 6 | 13,5 | 3,2 | 37,5 | 13 | 15 |
| QF Y 08 08 | 8 | 8 | 15 | 3,2 | 39,8 | 15 | 18 |
| QF Y 10 10 | 10 | 10 | 19 | 4,2 | 50 | 18 | 21 |
| QF Y 12 12 | 12 | 12 | 21,5 | 4,2 | 53 | 21 | 21,5 |
| QF Y 06 04 | 6 | 4 | 13,5 | 3,2 | 37,5 | 13 | 15 |
| QF Y 08 04 | 8 | 4 | 15 | 3,2 | 39,8 | 15 | 18 |
| QF Y 08 06 | 8 | 6 | 15 | 3,2 | 39,8 | 15 | 18 |
| QF Y 10 06 | 10 | 6 | 19 | 4,2 | 39,8 | 18 | 21 |
| QF Y 10 08 | 10 | 8 | 19 | 4,2 | 50 | 18 | 21 |
| QF Y 12 08 | 12 | 8 | 21,5 | 4,2 | 53 | 21 | 21,5 |
| QF Y 12 10 | 12 | 10 | 21,5 | 4,2 | 53 | 21 | 21,5 |

QF V



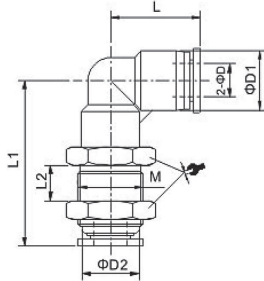
| MODEL | Ø D | Ø D1 | Ø D2 | L1 | L2 |
|---------|-----|------|------|------|-----|
| QF V 04 | 4 | 11,5 | 3,2 | 19 | 7 |
| QF V 06 | 6 | 13,5 | 3,2 | 19,2 | 8 |
| QF V 08 | 8 | 15 | 3,2 | 22,5 | 9,5 |
| QF V 10 | 10 | 19 | 4,2 | 27,8 | 12 |
| QF V 12 | 12 | 21,5 | 4,2 | 29,5 | 13 |

QF M



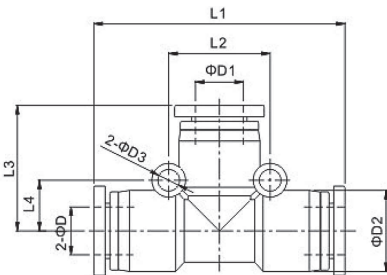
| MODEL | Ø D | Ø D1 | M | L | L1 | L2 | ↻ |
|---------|-----|------|-------|------|------|------|----|
| QF M 04 | 4 | 10 | M12x1 | 30,5 | 9,5 | 10 | 14 |
| QF M 06 | 6 | 12 | M14x1 | 31 | 7,5 | 10,6 | 17 |
| QF M 08 | 8 | 14 | M16x1 | 34,5 | 6,5 | 12 | 19 |
| QF M 10 | 10 | 17 | M20x1 | 41,5 | 11,5 | 12 | 24 |
| QF M 12 | 12 | 20 | M22x1 | 44,5 | 12,5 | 13,5 | 26 |

QF LM



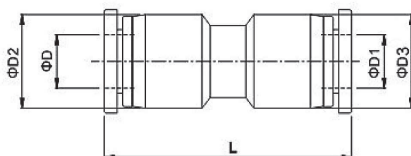
| MODEL | Ø D | Ø D1 | Ø D2 | L | L1 | L2 | M | ↻ |
|----------|-----|------|------|------|------|-----|-------|----|
| QF LM 04 | 4 | 11,5 | 10 | 19 | 31 | 6 | M12x1 | 14 |
| QF LM 06 | 6 | 13,5 | 12 | 19,2 | 34,5 | 7 | M14x1 | 17 |
| QF LM 08 | 8 | 15 | 14 | 22,5 | 41 | 7,5 | M16x1 | 19 |
| QF LM 10 | 10 | 19 | 17 | 28,5 | 47 | 9,5 | M20x1 | 24 |
| QF LM 12 | 12 | 21,5 | 20 | 29,5 | 49 | 10 | M22x1 | 26 |

QF E



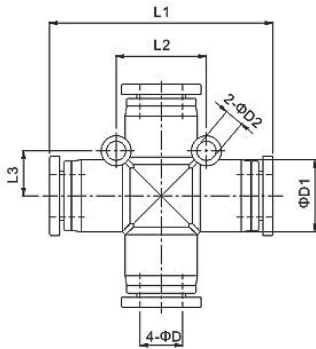
| MODEL | Ø D | Ø D1 | Ø D2 | Ø D3 | L1 | L2 | L3 | L4 |
|------------|-----|------|------|------|----|----|------|-----|
| QF E 04 04 | 4 | 4 | 11,5 | 3,2 | 38 | 14 | 19 | 7 |
| QF E 06 06 | 6 | 6 | 13,5 | 3,2 | 39 | 16 | 19,2 | 8 |
| QF E 08 08 | 8 | 8 | 15 | 3,2 | 45 | 19 | 22,5 | 9,5 |
| QF E 10 10 | 10 | 10 | 19 | 4,2 | 57 | 24 | 27,8 | 12 |
| QF E 12 12 | 12 | 12 | 21,5 | 4,3 | 59 | 26 | 29,5 | 13 |
| QF E 06 04 | 6 | 4 | 13,5 | 3,2 | 39 | 16 | 19,2 | 8 |
| QF E 08 04 | 8 | 4 | 15 | 3,2 | 45 | 19 | 22,5 | 9,5 |
| QF E 08 06 | 8 | 6 | 15 | 3,2 | 45 | 19 | 22,5 | 9,5 |
| QF E 10 06 | 10 | 6 | 19 | 4,2 | 57 | 24 | 26,3 | 12 |
| QF E 10 08 | 10 | 8 | 19 | 4,2 | 57 | 24 | 26,8 | 12 |
| QF E 12 08 | 12 | 8 | 21,5 | 4,3 | 59 | 26 | 28,5 | 13 |
| QF E 12 10 | 12 | 10 | 21,5 | 4,3 | 59 | 26 | 29,5 | 13 |

QF U



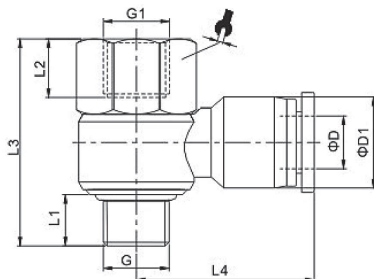
| MODEL | Ø D | Ø D1 | Ø D2 | Ø D3 | L |
|------------|-----|------|------|------|------|
| QF U 04 04 | 4 | 4 | 11,5 | 11,5 | 34 |
| QF U 06 06 | 6 | 6 | 13,5 | 13,5 | 35,5 |
| QF U 08 08 | 8 | 8 | 15 | 15 | 38,5 |
| QF U 10 10 | 10 | 10 | 19 | 19 | 48 |
| QF U 12 12 | 12 | 12 | 21,5 | 21,5 | 49 |
| QF U 06 04 | 6 | 4 | 13,5 | 11,5 | 34,5 |
| QF U 08 04 | 8 | 4 | 15 | 13,5 | 36,5 |
| QF U 08 06 | 8 | 6 | 15 | 13,5 | 36,5 |
| QF U 10 06 | 10 | 6 | 19 | 15 | 44 |
| QF U 10 08 | 10 | 8 | 19 | 15 | 44 |
| QF U 12 08 | 12 | 8 | 21,5 | 19 | 48 |
| QF U 12 10 | 12 | 10 | 21,5 | 19 | 49 |

QF Z



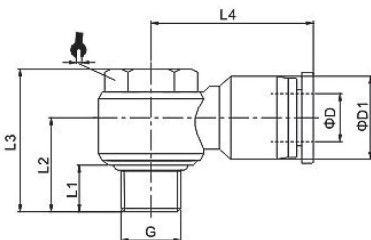
| MODEL | Ø D | Ø D1 | Ø D2 | L1 | L2 | L3 |
|---------|-----|------|------|----|----|-----|
| QF Z 04 | 4 | 11,5 | 3,2 | 38 | 14 | 7 |
| QF Z 06 | 6 | 13,5 | 3,2 | 39 | 16 | 8 |
| QF Z 08 | 8 | 15 | 3,2 | 45 | 19 | 9,5 |
| QF Z 10 | 10 | 19 | 4,2 | 57 | 24 | 12 |
| QF Z 12 | 12 | 21,5 | 4,3 | 59 | 26 | 13 |

QF HG



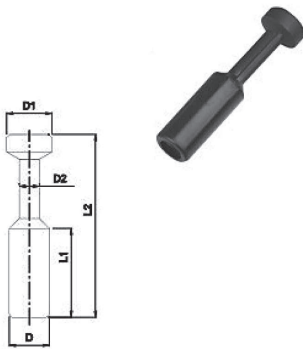
| MODEL | Ø D | G | G1 | L1 | L2 | L3 | L4 | Ø D1 | ↻ |
|-------------|-----|------|------|-----|-----|------|------|------|----|
| QF HG 04 18 | 4 | G1/8 | G1/8 | 5,5 | 8,5 | 29 | 23,5 | 11,5 | 14 |
| QF HG 06 18 | 6 | G1/8 | G1/8 | 5,5 | 8,5 | 29 | 23,5 | 13,5 | 14 |
| QF HG 06 14 | | G1/4 | G1/4 | 7,5 | 11 | 35 | 25,4 | 13,5 | 17 |
| QF HG 08 18 | 8 | G1/8 | G1/8 | 5,5 | 8,5 | 29 | 26,5 | 15 | 14 |
| QF HG 08 14 | | G1/4 | G1/4 | 7,5 | 11 | 35 | 28,9 | 15 | 17 |
| QF HG 08 38 | | G3/8 | G3/8 | 7,5 | 12 | 41 | 29,8 | 15 | 21 |
| QF HG 10 14 | 10 | G1/4 | G1/4 | 7,5 | 11 | 36 | 32,6 | 19 | 17 |
| QF HG 10 38 | | G3/8 | G3/8 | 7,5 | 12 | 41 | 33 | 19 | 21 |
| QF HG 10 12 | 12 | G1/2 | G1/2 | 10 | 14 | 47,5 | 36 | 19 | 24 |
| QF HG 12 38 | | G3/8 | G3/8 | 7,5 | 12 | 41 | 35,5 | 21,5 | 21 |
| QF HG 12 12 | | G1/2 | G1/2 | 10 | 14 | 47,5 | 36,5 | 21,5 | 24 |

QF QG



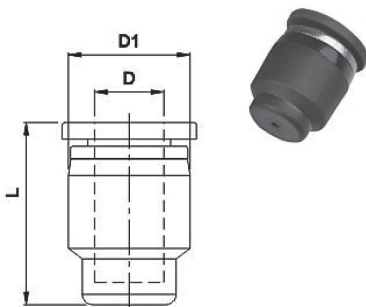
| MODEL | Ø D | G | L1 | L2 | L3 | L4 | Ø D1 | ↻ |
|-------------|-----|------|-----|------|------|------|------|----|
| QF QG 04 18 | 4 | G1/8 | 5,5 | 14,5 | 23 | 23,5 | 11,5 | 12 |
| QF QG 06 18 | 6 | G1/8 | 5,5 | 14,5 | 23 | 23,5 | 13,5 | 12 |
| QF QG 06 14 | | G1/4 | 7,5 | 16,7 | 26,3 | 25,4 | 13,5 | 14 |
| QF QG 08 18 | 8 | G1/8 | 5,5 | 15,2 | 23 | 26,5 | 15 | 12 |
| QF QG 08 14 | | G1/4 | 7,5 | 18 | 26,3 | 28,9 | 15 | 14 |
| QF QG 08 38 | | G3/8 | 7,5 | 19 | 32 | 29,8 | 15 | 19 |
| QF QG 10 14 | 10 | G1/4 | 7,5 | 20 | 26,3 | 32,6 | 19 | 14 |
| QF QG 10 38 | | G3/8 | 7,5 | 21 | 32 | 33 | 19 | 19 |
| QF QG 10 12 | 12 | G1/2 | 10 | 24,7 | 39 | 36 | 19 | 24 |
| QF QG 12 38 | | G3/8 | 7,5 | 22,2 | 32 | 35,5 | 21,5 | 19 |
| QF QG 12 12 | | G1/2 | 10 | 26 | 39 | 36,5 | 21,5 | 24 |

QF P



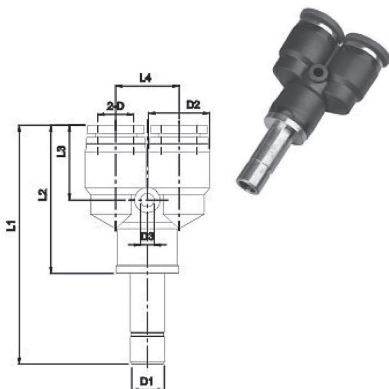
| MODEL | Ø D | Ø D1 | Ø D2 | L1 | L2 |
|---------|-----|------|------|------|----|
| QF P 04 | 4 | 5 | 3 | 15 | 28 |
| QF P 06 | 6 | 7 | 3 | 17 | 33 |
| QF P 08 | 8 | 9 | 4 | 18 | 37 |
| QF P 10 | 10 | 11 | 5 | 20,5 | 42 |
| QF P 12 | 12 | 13 | 6 | 23 | 44 |

QF PF



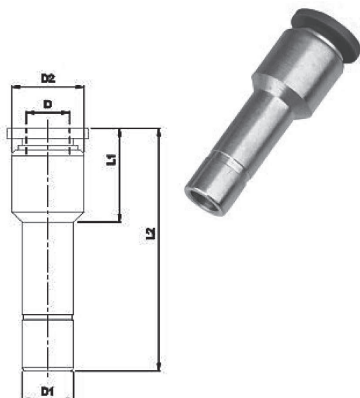
| MODEL | Ø D | Ø D1 | L |
|----------|-----|------|------|
| QF PF 04 | 4 | 11,5 | 17,5 |
| QF PF 06 | 6 | 13,5 | 17,7 |
| QF PF 08 | 8 | 15 | 21,3 |
| QF PF 10 | 10 | 19 | 25 |
| QF PF 12 | 12 | 21,5 | 26 |

QF YJ



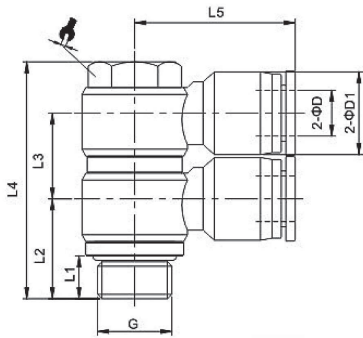
| MODEL | Ø D | Ø D1 | Ø D2 | Ø D3 | L1 | L2 | L3 | L4 |
|-------------|-----|------|------|------|------|------|------|----|
| QF YJ 04 04 | 4 | 4 | 11,5 | 3,2 | 52,5 | 33,5 | 14,5 | 11 |
| QF YJ 06 06 | 6 | 6 | 13,5 | 3,2 | 53,8 | 34,8 | 15 | 13 |
| QF YJ 08 08 | 8 | 8 | 15 | 3,2 | 57,8 | 37,3 | 18 | 15 |
| QF YJ 10 10 | 10 | 10 | 19 | 4,2 | 71 | 46,5 | 21 | 18 |
| QF YJ 12 12 | 12 | 12 | 21,5 | 4,2 | 75,5 | 49,5 | 21,5 | 21 |
| QF YJ 04 06 | 4 | 6 | 11,5 | 3,2 | 52,8 | 33,8 | 14,5 | 11 |
| QF YJ 06 08 | 6 | 8 | 13,5 | 3,2 | 55,5 | 35 | 15 | 13 |
| QF YJ 08 10 | 8 | 10 | 15 | 3,2 | 62 | 37,3 | 18 | 15 |
| QF YJ 10 12 | 10 | 12 | 19 | 4,2 | 72,5 | 46,5 | 21 | 18 |

QF GJ



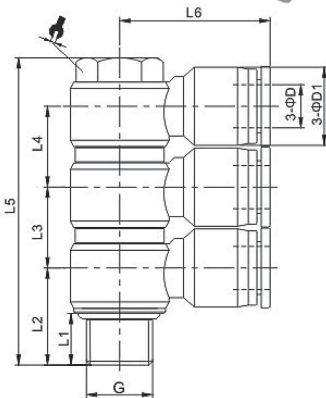
| MODEL | Ø D | Ø D1 | Ø D2 | L1 | L2 |
|-------------|-----|------|------|------|------|
| QF GJ 04 06 | 4 | 6 | 10 | 16 | 35 |
| QF GJ 04 08 | 4 | 8 | 10 | 13 | 34 |
| QF GJ 06 08 | 6 | 8 | 12 | 15,5 | 36 |
| QF GJ 06 10 | 6 | 10 | 12 | 16,8 | 41 |
| QF GJ 08 10 | 8 | 10 | 14 | 17,5 | 42 |
| QF GJ 08 12 | 8 | 12 | 14 | 17,5 | 42,5 |
| QF GJ 10 12 | 10 | 12 | 17 | 21 | 46 |

QF OG



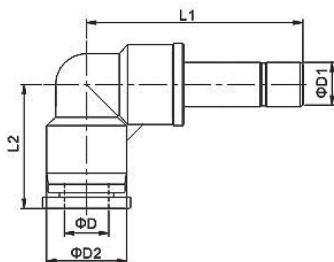
| MODEL | Ø D | G | L1 | L2 | L3 | L4 | L5 | Ø D1 | ↗ |
|-------------|-----|------|-----|------|------|------|------|------|----|
| QF OG 04 18 | 4 | G1/8 | 5,5 | 14 | 15 | 38 | 23,5 | 11,5 | 12 |
| QF OG 06 18 | 6 | G1/8 | 5,5 | 14 | 15 | 38 | 23,5 | 13,5 | 12 |
| QF OG 06 14 | | G1/4 | 7,5 | 17,3 | 15 | 41,5 | 25,4 | 13,5 | 14 |
| QF OG 08 14 | 8 | G1/4 | 7,5 | 18,3 | 15 | 41,5 | 29 | 15 | 14 |
| QF OG 08 38 | | G3/8 | 7,5 | 19 | 15,7 | 49,5 | 30 | 15 | 19 |
| QF OG 10 14 | 10 | G1/4 | 7,5 | 20 | 21,5 | 44,8 | 32,5 | 19 | 14 |
| QF OG 10 38 | | G3/8 | 7,5 | 21 | 21,5 | 53 | 33 | 19 | 19 |
| QF OG 10 12 | | G1/2 | 10 | 25 | 21,5 | 60 | 36 | 19 | 24 |
| QF OG 12 38 | 12 | G3/8 | 7,5 | 22 | 21,5 | 53 | 35,5 | 21,5 | 19 |
| QF OG 12 12 | | G1/2 | 10 | 26 | 21,5 | 60,5 | 36,5 | 21,5 | 24 |

QF GG



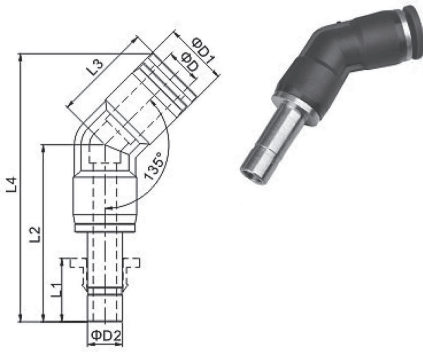
| MODEL | Ø D | G | L1 | L2 | L3 | L4 | L5 | L6 | Ø D1 | ↗ |
|-------------|-----|------|-----|----|------|------|------|------|------|----|
| QF GG 04 18 | 4 | G1/8 | 5,5 | 14 | 15 | 15 | 53 | 23,5 | 11,5 | 12 |
| QF GG 06 18 | 6 | G1/8 | 5,5 | 14 | 15 | 15 | 53 | 23,5 | 13,5 | 12 |
| QF GG 06 14 | | G1/4 | 7,5 | 17 | 15 | 15 | 56,3 | 25,4 | 13,5 | 14 |
| QF GG 08 14 | 8 | G1/4 | 7,5 | 18 | 15 | 15 | 56,3 | 29 | 15 | 14 |
| QF GG 08 38 | | G3/8 | 7,5 | 19 | 15,7 | 15,7 | 64,4 | 30 | 15 | 19 |
| QF GG 10 14 | 10 | G1/4 | 7,5 | 20 | 21,5 | 21,5 | 69,3 | 32,5 | 19 | 14 |
| QF GG 10 38 | | G3/8 | 7,5 | 21 | 21,2 | 21,2 | 75,4 | 33 | 19 | 19 |
| QF GG 10 12 | | G1/2 | 10 | 25 | 21,5 | 21,5 | 82 | 36 | 19 | 24 |
| QF GG 12 38 | 12 | G3/8 | 7,5 | 22 | 21,2 | 21,2 | 75,4 | 35,5 | 21,5 | 19 |
| QF GG 12 12 | | G1/2 | 10 | 26 | 21,5 | 21,5 | 82 | 36,5 | 21,5 | 24 |

QF LJ



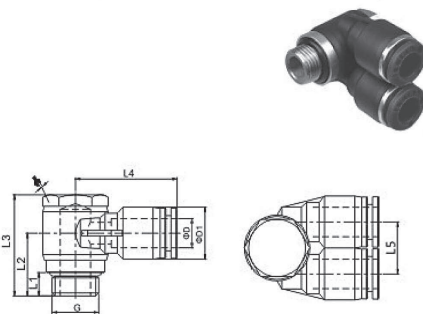
| MODEL | Ø D | ØD1 | ØD2 | L1 | L2 |
|-------------|-----|-----|------|------|------|
| QF LJ 04 04 | 4 | 4 | 11,5 | 33,7 | 19 |
| QF LJ 04 06 | 6 | 6 | 13,5 | 34 | 19,2 |
| QF LJ 08 08 | 8 | 8 | 15 | 38,5 | 22,5 |
| QF LJ 10 10 | 10 | 10 | 19 | 46,8 | 27,8 |
| QF LJ 12 12 | 12 | 12 | 21,5 | 49,5 | 29,5 |
| QF LJ 04 06 | 4 | 6 | 11,5 | 34 | 19 |
| QF LJ 06 08 | 6 | 8 | 13,5 | 35,7 | 19,2 |
| QF LJ 08 10 | 8 | 10 | 15 | 42,5 | 22,5 |
| QF LJ 10 12 | 10 | 12 | 19 | 48,3 | 27,8 |

QF 45



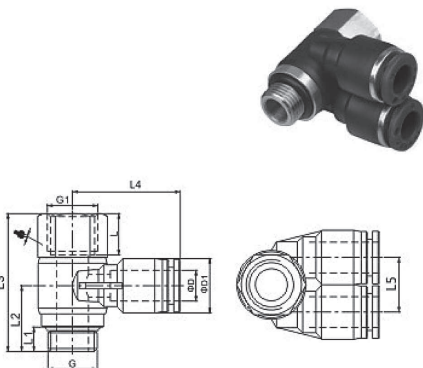
| MODEL | Ø D | ØD2 | L1 | L2 | L3 | L4 | ØD1 |
|-------------|-----|-----|------|------|------|------|------|
| QF 45 04 04 | 4 | 4 | 12,5 | 35 | 19 | 52 | 11,3 |
| QF 45 06 06 | 6 | 6 | 13 | 35,5 | 19,2 | 53,5 | 13,3 |
| QF 45 08 08 | 8 | 8 | 14 | 40,5 | 22,5 | 61 | 14,8 |
| QF 45 10 10 | 10 | 10 | 18 | 48,5 | 27,8 | 75 | 18,7 |
| QF 45 12 12 | 12 | 12 | 19 | 52 | 29,5 | 80 | 21,3 |
| QF 45 04 06 | 4 | 6 | 13 | 35 | 19 | 52 | 11,3 |
| QF 45 06 08 | 6 | 8 | 14 | 37 | 19,2 | 55 | 13,3 |
| QF 45 08 10 | 8 | 10 | 18 | 44,5 | 22,5 | 65 | 14,8 |
| QF 45 10 12 | 10 | 12 | 19 | 50 | 27,8 | 76,5 | 18,7 |

QF FG



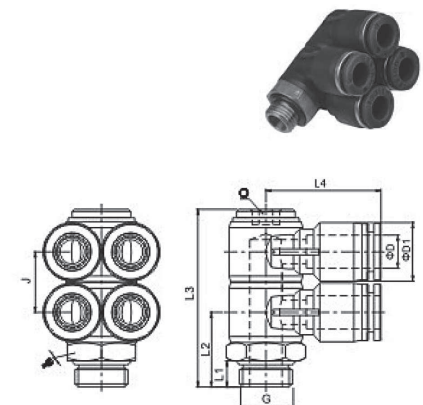
| MODEL | Ø D | G | L1 | L2 | L3 | L4 | L5 | ØD1 | ↗ |
|-------------|-----|------|-----|------|------|------|------|------|----|
| QF FG 04 18 | 4 | G1/8 | 5,5 | 15,2 | 25,2 | 24 | 13 | 13 | 12 |
| QF FG 06 18 | 6 | G1/8 | 5,5 | 15,2 | 25,2 | 24 | 13 | 13 | 12 |
| QF FG 08 14 | 8 | G1/4 | 6,5 | 17,2 | 28,2 | 28,6 | 14,5 | 14,5 | 16 |

QF 2G



| MODEL | Ø D | G | G1 | L | L1 | L2 | L3 | L4 | L5 | ØD1 | ↗ |
|-------------|-----|------|------|-----|-----|----|----|----|----|-----|----|
| QF 2G 04 18 | 4 | G1/8 | G1/8 | 8,5 | 5,5 | 15 | 31 | 24 | 13 | 13 | 13 |
| QF 2G 06 18 | 6 | G1/8 | G1/8 | 8,5 | 5,5 | 15 | 31 | 24 | 13 | 13 | 13 |
| QF 2G 08 14 | 8 | G1/4 | G1/4 | 11 | 6,5 | 18 | 37 | 29 | 15 | 15 | 16 |

QF JG



| MODEL | Ø D | G | L1 | L2 | L3 | L4 | J | ØD1 | ↗ | ○ |
|-------------|-----|------|-----|------|------|------|----|------|----|---|
| QF JG 04 18 | 4 | G1/8 | 5,5 | 16,5 | 40 | 24 | 14 | 13 | 14 | 5 |
| QF JG 04 14 | | G1/4 | 6,5 | 18 | 41,5 | 24 | 14 | 13 | 16 | 5 |
| QF JG 06 18 | 6 | G1/8 | 5,5 | 16,5 | 40 | 24 | 14 | 13 | 14 | 5 |
| QF JG 06 14 | | G1/4 | 6,5 | 18 | 41,5 | 24 | 14 | 13 | 16 | 5 |
| QF JG 06 38 | | G3/8 | 7,5 | 19 | 42,5 | 24 | 14 | 13 | 20 | 5 |
| QF JG 08 18 | 8 | G1/8 | 5,5 | 18 | 43,5 | 28,6 | 15 | 14,5 | 17 | 6 |
| QF JG 08 14 | | G1/4 | 6,5 | 18,5 | 44 | 28,6 | 15 | 14,5 | 17 | 6 |
| QF JG 08 38 | | G3/8 | 7,5 | 19,5 | 45 | 28,6 | 15 | 14,5 | 20 | 6 |
| QF JG 08 12 | | G1/2 | 9 | 21,5 | 47 | 28,6 | 15 | 14,5 | 24 | 6 |