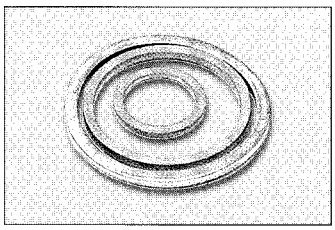
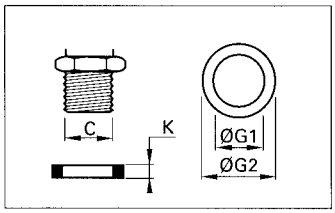
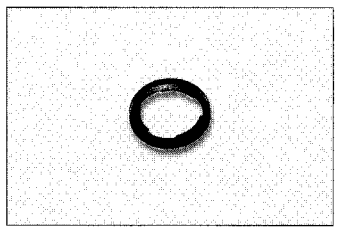
## 0138 copper washer



| C | | G1 | G2 | K |
|---|---|---|---|---|
| 10 | 0138 10 00 | 10,3 | 13,5 | 1 |
| 13 | 0138 13 00 | 13,5 | 18 | 1,5 |
| 17 | 0138 17 00 | 17,3 | 21 | 1,5 |
| 21 | 0138 21 00 | 21,3 | 26 | 1,5 |
| 27 | 0138 27 00 | 27,3 | 32 | 2 |
| 33 | 0138 33 00 | 33,5 | 39 | 2 |

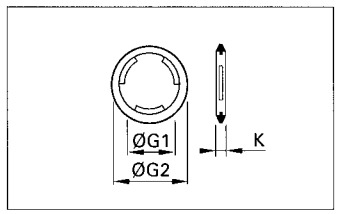



## 0602 captive sealing washer

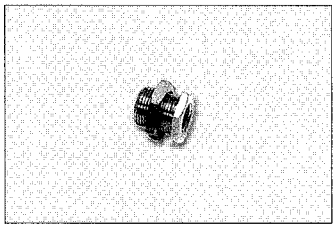


| C | | G1 | G2 | K |
|---|---|---|---|---|
| M5 | 0602 29 93 15 | 5,2 | 7,8 | 1,5 |
| 1/8 | 0602 23 10 20 | 10,3 | 14 | 2 |
| 1/4 | 0602 23 11 20 | 13,7 | 17,5 | 2 |
| 3/8 | 0602 23 12 20 | 17,2 | 21 | 2 |
| 1/2 | 0602 23 13 20 | 21,5 | 25,5 | 2,5 |
| 3/4 | 0602 27 32 20 | 27 | 32 | 2,5 |
| 1" | 0602 30 60 20 | 33,8 | 39 | 3 |

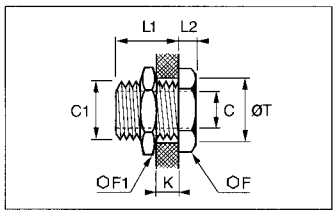
*plastic*



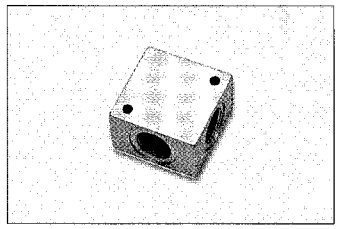

## 0920 female bulkhead connector BSPP and M5



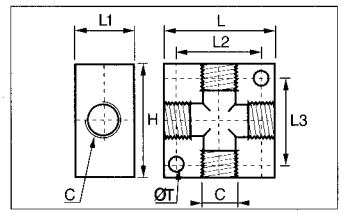
| C | C1 | | F | F1 | K maxi | L1 | L2 | T mini |
|---|---|---|---|---|---|---|---|---|
| M5 | M10x1 | 0920 00 19 | 14 | 14 | 7 | 10,5 | 3,5 | 10,5 |
| 1/8 | M16x1,5 | 0920 00 10 | 19 | 22 | 9 | 14 | 4 | 16,5 |
| 1/4 | M20x1,5 | 0920 00 13 | 24 | 27 | 15 | 21 | 4 | 20,5 |
| 3/8 | M26x1,5 | 0920 00 17 | 30 | 32 | 14 | 21 | 5 | 26,5 |
| 1/2 | M28x1,5 | 0920 00 21 | 32 | 36 | 20 | 27 | 6 | 28,5 |



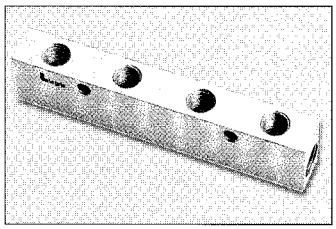

## 3312 female cross manifold BSPP

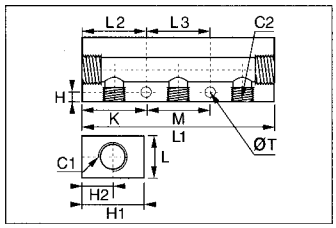


| C | | H | L | L1 | L2 | L3 | T |
|---|---|---|---|---|---|---|---|
| M5 | 3312 00 19 | 20 | 20 | 10 | 12 | 12 | 4,5 |
| 1/8 | 3312 00 10 | 30 | 30 | 16 | 23 | 22 | 4,5 |
| 1/4 | 3312 00 13 | 40 | 40 | 20 | 30 | 27 | 5,5 |
| 3/8 | 3312 00 17 | 50 | 50 | 25 | 38 | 39 | 6,5 |
| 1/2 | 3312 00 21 | 50 | 50 | 25 | 38 | 39 | 6,5 |



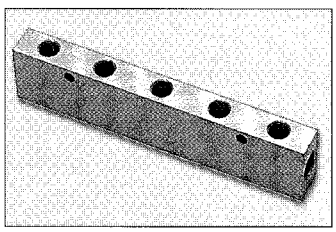

## 3311 female manifold BSPP

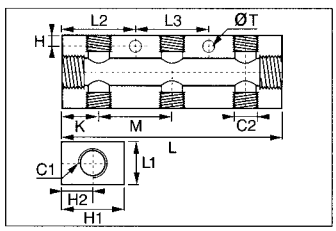





| C1 | C2 | | Number of outlets | H | H1 | H2 | K | L | L1 | L2 | L3 | M | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/8 | M5 | 3311 19 10 07 | 7 | 4 | 20 | 10 | 10,5 | 95 | 15 | 21,5 | 52,5 | 16 | 5 |
| 1/4 | 1/8 | 3311 10 13 02 | 2 | 4,5 | 30 | 15 | 15,5 | 61 | 20 | 5,5 | 50 | 30 | 5 |
| 1/4 | 1/8 | 3311 10 13 03 | 3 | 4,5 | 30 | 15 | 15,5 | 91 | 20 | 30,5 | 30 | 30 | 5 |
| 1/4 | 1/8 | 3311 10 13 04 | 4 | 4,5 | 30 | 15 | 15,5 | 121 | 20 | 30,5 | 60 | 30 | 5 |
| 1/4 | 1/8 | 3311 10 13 05 | 5 | 4,5 | 30 | 15 | 15,5 | 151 | 20 | 30,5 | 90 | 30 | 5 |
| 1/4 | 1/8 | 3311 10 13 06 | 6 | 4,5 | 30 | 15 | 15,5 | 181 | 20 | 30,5 | 120 | 30 | 5 |
| 3/8 | 1/4 | 3311 13 17 02 | 2 | 6 | 30 | 11 | 19 | 74 | 20 | 6,5 | 61 | 36 | 6,5 |
| 3/8 | 1/4 | 3311 13 17 03 | 3 | 6 | 30 | 11 | 19 | 110 | 20 | 37 | 36 | 36 | 6,5 |
| 3/8 | 1/4 | 3311 13 17 04 | 4 | 6 | 30 | 11 | 19 | 146 | 20 | 37 | 72 | 36 | 6,5 |
| 3/8 | 1/4 | 3311 13 17 05 | 5 | 6 | 30 | 11 | 19 | 182 | 20 | 37 | 108 | 36 | 6,5 |
| 3/8 | 1/4 | 3311 13 17 06 | 6 | 6 | 30 | 11 | 19 | 218 | 20 | 37 | 144 | 36 | 6,5 |

## 3313 double female manifold BSPP






| C1 | C2 | | Number of outlets | H | H1 | H2 | K | L | L1 | L2 | L3 | M | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/4 | 1/8 | 3313 10 13 02 | 2 x 2 | 4,5 | 30 | 15 | 15,5 | 61 | 20 | 5,5 | 50 | 30 | 5 |
| 1/4 | 1/8 | 3313 10 13 03 | 2 x 3 | 4,5 | 30 | 15 | 15,5 | 91 | 20 | 30,5 | 30 | 30 | 5 |
| 1/4 | 1/8 | 3313 10 13 04 | 2 x 4 | 4,5 | 30 | 15 | 15,5 | 121 | 20 | 30,5 | 60 | 30 | 5 |
| 1/4 | 1/8 | 3313 10 13 05 | 2 x 5 | 4,5 | 30 | 15 | 15,5 | 151 | 20 | 30,5 | 90 | 30 | 5 |
| 3/8 | 1/4 | 3313 13 17 02 | 2 x 2 | 6 | 40 | 20 | 19 | 74 | 20 | 6,5 | 61 | 36 | 6,5 |
| 3/8 | 1/4 | 3313 13 17 03 | 2 x 3 | 6 | 40 | 20 | 19 | 110 | 20 | 37 | 36 | 36 | 6,5 |
| 3/8 | 1/4 | 3313 13 17 04 | 2 x 4 | 6 | 40 | 20 | 19 | 146 | 20 | 37 | 72 | 36 | 6,5 |
| 3/8 | 1/4 | 3313 13 17 05 | 2 x 5 | 6 | 40 | 20 | 19 | 182 | 20 | 37 | 108 | 36 | 6,5 |
| 1/2 | 1/4 | 3313 13 21 03 | 2 x 3 | 6 | 40 | 20 | 22 | 116 | 28 | 40 | 36 | 36 | 6,5 |
| 1/2 | 1/4 | 3313 13 21 04 | 2 x 4 | 6 | 40 | 20 | 22 | 152 | 28 | 40 | 72 | 36 | 6,5 |
| 1/2 | 1/4 | 3313 13 21 05 | 2 x 5 | 6 | 40 | 20 | 22 | 188 | 28 | 40 | 108 | 36 | 6,5 |

**manifolds 3311, 3312 and 3313**
**Technical specification**

- **working pressure** : 20 bar maximum
- **thread characteristics** :
  - parallel : ISO 228.1 - NFE 03.005
  - metric : ISO 68.1 - NFE 03.001
- **working temperature** : -10 ° to + 80 ° C
- **constituent materials** : anodised 11S aluminium