

Product range

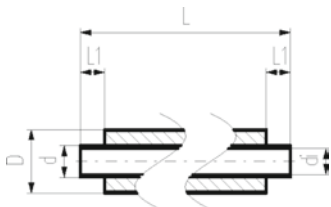
# COOL-FIT 2.0



# Table of contents

|   |    |
|---|----|
| COOL-FIT 2.0 Pipes and Fittings             | 22 |
| COOL-FIT 2.0 Transition Fittings            | 30 |
| COOL-FIT 2.0 Weld-in port                   | 46 |
| COOL-FIT 2.0 Flexible Hoses                 | 48 |
| COOL-FIT 2.0 Valves                         | 49 |
| COOL-FIT 2.0 Accessories                    | 64 |
| COOL-FIT 2.0 Spare parts                    | 74 |
| COOL-FIT 2.0 Push System Pipes and Fittings | 78 |
| COOL-FIT 2.0 Push System Valves             | 82 |
| COOL-FIT 2.0 Push System Accessories        | 84 |
| COOL-FIT 2.0 Push System Tools              | 87 |

# COOL-FIT 2.0 Pipes and Fittings



## COOL-FIT 2.0 Pipe

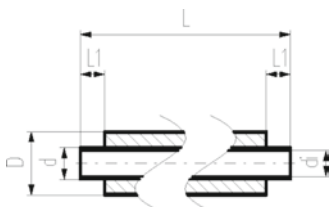
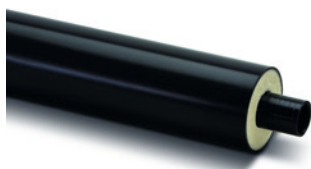
### Model:

- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- With free ends for electrofusion

### Note:

bigger dimensions available via COOL-FIT 4.0 product range

| d<br>(mm) | d/D<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg/m) | di<br>(mm) | L<br>(mm) | L1<br>(mm) | closest inch<br>(inch) |
|-----------|-------------|------------|-----|-------------|--------------------|------------------|------------|-----------|------------|------------------------|
| 32        | 32/75       | 25         | 11  | 16          | <b>738 174 108</b> | 1.140            | 26.2       | 5000      | 36         | 1                      |
| 40        | 40/90       | 32         | 11  | 16          | <b>738 174 109</b> | 1.534            | 32.6       | 5000      | 40         | 1 ¼                    |
| 50        | 50/90       | 40         | 11  | 16          | <b>738 174 110</b> | 1.722            | 40.8       | 5000      | 44         | 1 ½                    |
| 63        | 63/110      | 50         | 11  | 16          | <b>738 174 111</b> | 2.711            | 51.4       | 5000      | 48         | 2                      |
| 75        | 75/125      | 65         | 11  | 16          | <b>738 174 112</b> | 3.405            | 61.4       | 5000      | 55         | 2 ½                    |
| 90        | 90/140      | 80         | 11  | 16          | <b>738 174 113</b> | 4.320            | 73.5       | 5000      | 62         | 3                      |
| 110       | 110/160     | 100        | 11  | 16          | <b>738 174 114</b> | 5.692            | 90.0       | 5000      | 72         | 4                      |
| 140       | 140/200     | 125        | 11  | 16          | <b>738 174 116</b> | 9.021            | 114.6      | 5000      | 84         | 5                      |



## COOL-FIT 2.0F Pipe Fire retardant

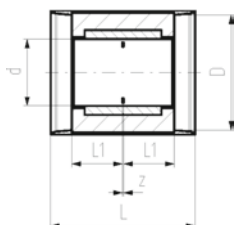
### Model:

- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Fire retardant jacket. Color: black
- With free ends for electrofusion

### Note:

Bigger dimensions available via COOL-FIT 4.0F product range

| d<br>(mm) | d/D<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg/m) | di<br>(mm) | L<br>(mm) | L1<br>(mm) | closest inch<br>(inch) |
|-----------|-------------|------------|-----|-------------|--------------------|------------------|------------|-----------|------------|------------------------|
| 32        | 32/75       | 25         | 11  | 16          | <b>738 174 308</b> | 1.140            | 26.2       | 5000      | 36         | 1                      |
| 40        | 40/90       | 32         | 11  | 16          | <b>738 174 309</b> | 1.534            | 32.6       | 5000      | 40         | 1 ¼                    |
| 50        | 50/90       | 40         | 11  | 16          | <b>738 174 310</b> | 1.722            | 40.8       | 5000      | 44         | 1 ½                    |
| 63        | 63/110      | 50         | 11  | 16          | <b>738 174 311</b> | 2.711            | 51.4       | 5000      | 48         | 2                      |
| 75        | 75/125      | 65         | 11  | 16          | <b>738 174 312</b> | 3.405            | 61.4       | 5000      | 55         | 2 ½                    |
| 90        | 90/140      | 80         | 11  | 16          | <b>738 174 313</b> | 4.320            | 73.5       | 5000      | 62         | 3                      |
| 110       | 110/160     | 100        | 11  | 16          | <b>738 174 314</b> | 5.692            | 90.0       | 5000      | 72         | 4                      |
| 140       | 140/200     | 125        | 11  | 16          | <b>738 174 316</b> | 9.021            | 114.6      | 5000      | 84         | 5                      |



## COOL-FIT 2.0 Coupler

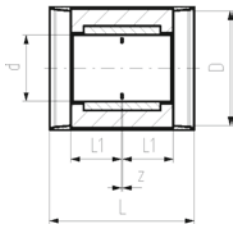
### Model:

- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- Integrated sealing lip, for a moisture-proof and vapour tight sealing

### Note:

bigger dimensions available via COOL-FIT 4.0 product range

| d<br>(mm) | d/D<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) | closest inch<br>(inch) |
|-----------|-------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|------------------------|
| 32        | 32/75       | 25         | 11  | 16          | <b>738 914 108</b> | 0.092          | 113       | 36         | 5         | 1                      |
| 40        | 40/90       | 32         | 11  | 16          | <b>738 914 109</b> | 0.126          | 121       | 40         | 3         | 1 ¼                    |
| 50        | 50/90       | 40         | 11  | 16          | <b>738 914 110</b> | 0.160          | 129       | 44         | 3         | 1 ½                    |



| d<br>(mm) | d/D<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) | closest inch<br>(inch) |
|-----------|-------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|------------------------|
| 63        | 63/110      | 50         | 11  | 16          | <b>738 914 111</b> | 0.237          | 137       | 48         | 3         | 2                      |
| 75        | 75/125      | 65         | 11  | 16          | <b>738 914 112</b> | 0.339          | 152       | 55         | 3         | 2 ½                    |
| 90        | 90/140      | 80         | 11  | 16          | <b>738 914 113</b> | 0.476          | 166       | 62         | 4         | 3                      |
| 110       | 110/160     | 100        | 11  | 16          | <b>738 914 114</b> | 0.778          | 188       | 72         | 4         | 4                      |
| 140       | 140/200     | 125        | 11  | 16          | <b>738 914 116</b> | 1.097          | 210       | 84         | 3         | 5                      |



A



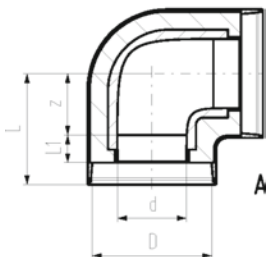
B

### COOL-FIT 2.0 Elbow 90°

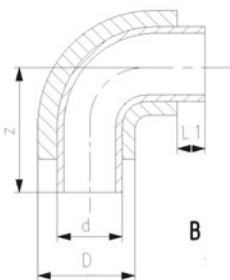
#### Model:

- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- A: Electrofusion Fitting with integrated sealing lip, for a moisture-proof and vapour tight sealing
- B: Spigot Fitting with free end (separate electrofusion fitting needed for joining)
- Availability: 738 104 166 from July 2023

| d<br>(mm) | d/D<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) | closest inch<br>(inch) | Type |
|-----------|-------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|------------------------|------|
| 32        | 32/75       | 25         | 11  | 16          | <b>738 104 108</b> | 0.127          | 75        | 36         | 20        | 1                      | A    |
| 40        | 40/90       | 32         | 11  | 16          | <b>738 104 109</b> | 0.185          | 82        | 40         | 23        | 1 ¼                    | A    |
| 50        | 50/90       | 40         | 11  | 16          | <b>738 104 110</b> | 0.242          | 93        | 44         | 30        | 1 ½                    | A    |
| 63        | 63/110      | 50         | 11  | 16          | <b>738 104 111</b> | 0.384          | 101       | 48         | 34        | 2                      | A    |
| 75        | 75/125      | 65         | 11  | 16          | <b>738 104 112</b> | 0.510          | 114       | 55         | 40        | 2 ½                    | A    |
| 90        | 90/140      | 80         | 11  | 16          | <b>738 104 113</b> | 0.960          | 144       | 62         | 63        | 3                      | A    |
| 110       | 110/160     | 90         | 11  | 16          | <b>738 104 114</b> | 1.406          | 168       | 72         | 77        | 4                      | A    |
| 140       | 140/200     | 125        | 11  | 16          | <b>738 104 166</b> | 3.447          | 190       | 84         | 87        | 5                      | A    |
| 140       | 140/200     | 125        | 11  | 16          | <b>738 104 116</b> | 2.690          |           | 84         | 221       | 5                      | B    |



A



B

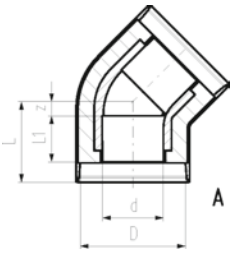
## COOL-FIT 2.0 Elbow 45°



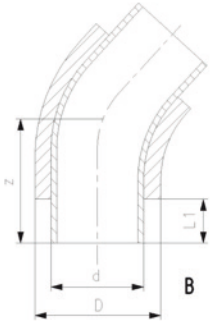
A



B



A



B

### Model:

- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- A: Electrofusion Fitting with integrated sealing lip, for a moisture-proof and vapour tight sealing
- B: Spigot Fitting with free end (separate electrofusion fitting needed for joining)
- Availability: 738 154 166 from July 2023

| d<br>(mm) | d/D<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) | closest inch<br>(inch) | Type |
|-----------|-------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|------------------------|------|
| 32        | 32/75       | 25         | 11  | 16          | <b>738 154 108</b> | 0.101          | 66        | 36         | 11        | 1                      | A    |
| 40        | 40/90       | 32         | 11  | 16          | <b>738 154 109</b> | 0.143          | 70        | 40         | 11        | 1 ¼                    | A    |
| 50        | 50/90       | 40         | 11  | 16          | <b>738 154 110</b> | 0.206          | 76        | 44         | 13        | 1 ½                    | A    |
| 63        | 63/110      | 50         | 11  | 16          | <b>738 154 111</b> | 0.307          | 83        | 48         | 16        | 2                      | A    |
| 75        | 75/125      | 65         | 11  | 16          | <b>738 154 112</b> | 0.407          | 92        | 55         | 18        | 2 ½                    | A    |
| 90        | 90/140      | 80         | 11  | 16          | <b>738 154 113</b> | 0.686          | 111       | 62         | 30        | 3                      | A    |
| 110       | 110/160     | 90         | 11  | 16          | <b>738 154 114</b> | 1.123          | 132       | 72         | 41        | 4                      | A    |
| 140       | 140/200     | 125        | 11  | 16          | <b>738 154 166</b> | 2.813          | 151       | 84         | 48        | 5                      | A    |
| 140       | 140/200     | 125        | 11  | 16          | <b>738 154 116</b> | 1.967          |           | 84         | 164       | 5                      | B    |

## COOL-FIT 2.0 Tee 90° equal

### Model:

- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- A: Electrofusion Fitting with integrated sealing lip, for a moisture-proof and vapour tight sealing
- B: Spigot Fitting with free end (separate electrofusion fitting needed for joining)
- Availability: 738 204 166 from July 2023

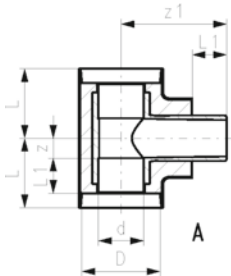


A

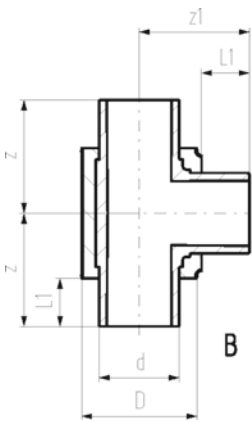


B

| d<br>(mm) | d/D<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) |
|-----------|-------------|------------|-----|-------------|--------------------|----------------|
| 32        | 32/75       | 25         | 11  | 16          | <b>738 204 108</b> | 0.154          |
| 40        | 40/90       | 32         | 11  | 16          | <b>738 204 109</b> | 0.230          |
| 50        | 50/90       | 40         | 11  | 16          | <b>738 204 110</b> | 0.306          |
| 63        | 63/110      | 50         | 11  | 16          | <b>738 204 111</b> | 0.492          |
| 75        | 75/125      | 65         | 11  | 16          | <b>738 204 112</b> | 0.673          |
| 90        | 90/140      | 80         | 11  | 16          | <b>738 204 113</b> | 1.022          |
| 110       | 110/160     | 100        | 11  | 16          | <b>738 204 114</b> | 1.751          |
| 140       | 140/200     | 125        | 11  | 16          | <b>738 204 166</b> | 4.433          |
| 140       | 140/200     | 125        | 11  | 16          | <b>738 204 116</b> | 3.317          |



A



B

| d<br>(mm) | d/D<br>(mm) | L<br>(mm) | L1<br>(mm) | z<br>(mm) | z1<br>(mm) | closest inch<br>(inch) | Type |
|-----------|-------------|-----------|------------|-----------|------------|------------------------|------|
| 32        | 32/75       | 73        | 36         | 18        | 98.0       | 1                      | A    |
| 40        | 40/90       | 81        | 40         | 22        | 112.0      | 1 ¼                    | A    |
| 50        | 50/90       | 88        | 44         | 25        | 125.0      | 1 ½                    | A    |
| 63        | 63/110      | 97        | 48         | 30        | 147.0      | 2                      | A    |
| 75        | 75/125      | 110       | 55         | 36        | 140.0      | 2 ½                    | A    |
| 90        | 90/140      | 124       | 62         | 43        | 161.0      | 3                      | A    |
| 110       | 110/160     | 148       | 72         | 57        | 184.0      | 4                      | A    |
| 140       | 140/200     | 169       | 84         | 66        | 257.3      | 5                      | A    |
| 140       | 140/200     |           | 84         | 198       | 193.0      | 5                      | B    |

## COOL-FIT 2.0 Tee 90° reduced

### Model:

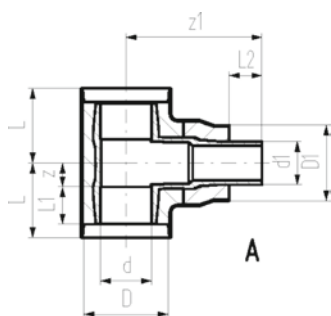
- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- A: Electrofusion Fitting with integrated sealing lip, for a moisture-proof and vapour tight sealing. Branch with free pipe end.
- B: Spigot Fitting with free end (separate electrofusion fitting needed for joining)
- Availability: 738 204 240, 738 204 241, 738 204 242, 738 204 243 from July 2023



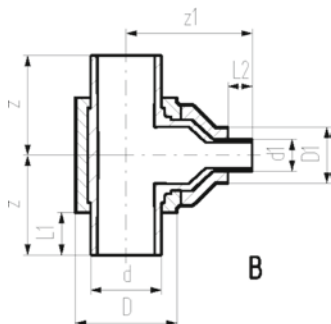
**A**



**B**



**A**



**B**

| d<br>(mm) | d/D<br>(mm) | d1/D1<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) |
|-----------|-------------|---------------|------------|-----|-------------|--------------------|----------------|
| 75        | 75/125      | 63/110        | 65         | 11  | 16          | <b>738 204 218</b> | 0.746          |
| 90        | 90/140      | 63/110        | 80         | 11  | 16          | <b>738 204 222</b> | 1.096          |
| 90        | 90/140      | 75/125        | 80         | 11  | 16          | <b>738 204 223</b> | 1.133          |
| 110       | 110/160     | 63/110        | 100        | 11  | 16          | <b>738 204 227</b> | 1.746          |
| 110       | 110/160     | 75/125        | 100        | 11  | 16          | <b>738 204 228</b> | 1.782          |
| 110       | 110/160     | 90/140        | 100        | 11  | 16          | <b>738 204 229</b> | 1.848          |
| 140       | 140/200     | 63/110        | 125        | 11  | 16          | <b>738 204 240</b> | 3.599          |
| 140       | 140/200     | 75/125        | 125        | 11  | 16          | <b>738 204 241</b> | 3.669          |
| 140       | 140/200     | 90/140        | 125        | 11  | 16          | <b>738 204 242</b> | 3.779          |
| 140       | 140/200     | 110/160       | 125        | 11  | 16          | <b>738 204 243</b> | 3.981          |
| 140       | 140/200     | 63/110        | 125        | 11  | 16          | <b>738 204 340</b> | 3.599          |
| 140       | 140/200     | 75/125        | 125        | 11  | 16          | <b>738 204 341</b> | 3.504          |
| 140       | 140/200     | 90/140        | 125        | 11  | 16          | <b>738 204 342</b> | 3.569          |
| 140       | 140/200     | 110/160       | 125        | 11  | 16          | <b>738 204 343</b> | 3.620          |

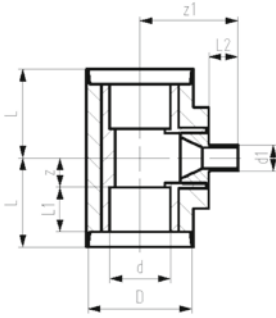
| d<br>(mm) | d/D<br>(mm) | d1/D1<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) | z<br>(mm) | z1<br>(mm) | Closest inch<br>(inch) | Type |
|-----------|-------------|---------------|-----------|------------|------------|-----------|------------|------------------------|------|
| 75        | 75/125      | 63/110        | 110       | 55         | 48         | 36        | 200        | 2 ½ - 2                | A    |
| 90        | 90/140      | 63/110        | 124       | 62         | 48         | 42        | 227        | 3 - 2                  | A    |
| 90        | 90/140      | 75/125        | 124       | 62         | 55         | 42        | 227        | 3 - 2 ½                | A    |
| 110       | 110/160     | 63/110        | 148       | 72         | 48         | 57        | 245        | 4 - 2                  | A    |
| 110       | 110/160     | 75/125        | 148       | 72         | 55         | 57        | 245        | 4 - 2 ½                | A    |
| 110       | 110/160     | 90/140        | 148       | 72         | 62         | 57        | 245        | 4 - 3                  | A    |
| 140       | 140/200     | 63/110        | 169       | 84         | 48         | 66        | 221        | 5 - 2                  | A    |
| 140       | 140/200     | 75/125        | 169       | 84         | 55         | 66        | 231        | 5 - 2 ½                | A    |
| 140       | 140/200     | 90/140        | 169       | 84         | 62         | 66        | 234        | 5 - 3                  | A    |
| 140       | 140/200     | 110/160       | 169       | 84         | 72         | 66        | 243        | 5 - 4                  | A    |
| 140       | 140/200     | 63/110        |           | 84         | 48         | 198       | 250        | 5 - 2                  | B    |
| 140       | 140/200     | 75/125        |           | 84         | 55         | 198       | 262        | 5 - 2 ½                | B    |
| 140       | 140/200     | 90/140        |           | 84         | 62         | 198       | 263        | 5 - 3                  | B    |
| 140       | 140/200     | 110/160       |           | 84         | 72         | 198       | 258        | 5 - 4                  | B    |



### COOL-FIT 2.0 Tee 90° reduced, short

**Model:**

- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- A: Electrofusion Fitting with integrated sealing lip, for a water and vapour tight sealing
- Space-optimized branch: sealing lip of Fitting Typ A that joins to the branch, needs to be cut and adhesive ring be use



| d<br>(mm) | d/D<br>(mm) | d1<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) |
|-----------|-------------|------------|------------|-----|-------------|--------------------|----------------|
| 40        | 40/90       | 32         | 32         | 11  | 16          | <b>738 204 506</b> | 0.250          |
| 50        | 50/90       | 32         | 40         | 11  | 16          | <b>738 204 509</b> | 0.340          |
| 63        | 63/110      | 32         | 50         | 11  | 16          | <b>738 204 512</b> | 0.550          |
| 75        | 75/125      | 32         | 65         | 11  | 16          | <b>738 204 515</b> | 0.750          |
| 90        | 90/140      | 32         | 80         | 11  | 16          | <b>738 204 519</b> | 1.150          |
| 110       | 110/160     | 32         | 100        | 11  | 16          | <b>738 204 524</b> | 2.000          |

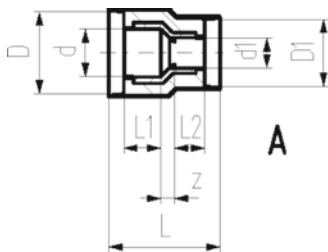
| d<br>(mm) | d/D<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) | z<br>(mm) | z1<br>(mm) | Closest inch<br>(inch) | Type |
|-----------|-------------|-----------|------------|------------|-----------|------------|------------------------|------|
| 40        | 40/90       | 81        | 40         | 36         | 22        | 108        | 1 ¼ - 1                | A    |
| 50        | 50/90       | 88        | 44         | 36         | 25        | 117        | 1 ½ - 1                | A    |
| 63        | 63/110      | 97        | 48         | 36         | 30        | 135        | 2 - 1                  | A    |
| 75        | 75/125      | 110       | 55         | 36         | 36        | 121        | 2 ½ - 1                | A    |
| 90        | 90/140      | 124       | 62         | 36         | 43        | 135        | 3 - 1                  | A    |
| 110       | 110/160     | 148       | 72         | 36         | 57        | 148        | 4 - 1                  | A    |



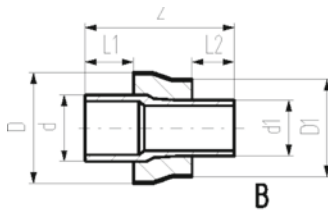
A



B



A



B

### COOL-FIT 2.0 Reducer

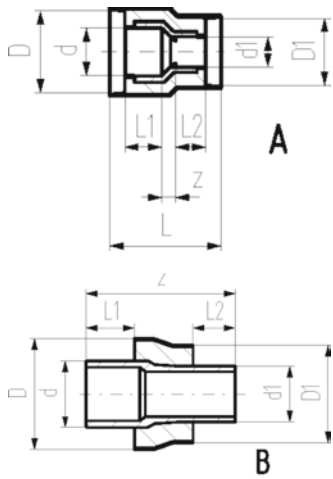
**Model:**

- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- A: Electrofusion Fitting with integrated sealing lip, for a moisture-proof and vapour tight sealing
- B: Spigot Fitting with free end (separate electrofusion fitting needed for joining)

| d<br>(mm) | d/D<br>(mm) | d1/D1<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) |
|-----------|-------------|---------------|------------|-----|-------------|--------------------|----------------|
| 40        | 40/90       | 32/75         | 32         | 11  | 16          | <b>738 904 206</b> | 0.125          |
| 50        | 50/90       | 32/75         | 40         | 11  | 16          | <b>738 904 209</b> | 0.154          |
| 50        | 50/90       | 40/90         | 40         | 11  | 16          | <b>738 904 210</b> | 0.153          |
| 63        | 63/110      | 32/75         | 50         | 11  | 16          | <b>738 904 212</b> | 0.198          |
| 63        | 63/110      | 40/90         | 50         | 11  | 16          | <b>738 904 213</b> | 0.221          |
| 63        | 63/110      | 50/90         | 50         | 11  | 16          | <b>738 904 214</b> | 0.219          |
| 90        | 90/140      | 63/110        | 80         | 11  | 16          | <b>738 904 222</b> | 0.464          |
| 110       | 110/160     | 90/140        | 100        | 11  | 16          | <b>738 904 229</b> | 0.799          |
| 75        | 75/125      | 63/110        | 65         | 11  | 16          | <b>738 904 318</b> | 0.244          |
| 90        | 90/140      | 63/110        | 80         | 11  | 16          | <b>738 904 322</b> | 0.360          |
| 90        | 90/140      | 75/125        | 80         | 11  | 16          | <b>738 904 323</b> | 0.395          |
| 110       | 110/160     | 63/110        | 100        | 11  | 16          | <b>738 904 327</b> | 0.523          |
| 110       | 110/160     | 75/125        | 100        | 11  | 16          | <b>738 904 328</b> | 0.553          |
| 110       | 110/160     | 90/140        | 100        | 11  | 16          | <b>738 904 329</b> | 0.599          |
| 140       | 140/200     | 63/110        | 125        | 11  | 16          | <b>738 904 340</b> | 0.917          |
| 140       | 140/200     | 75/125        | 125        | 11  | 16          | <b>738 904 341</b> | 0.997          |
| 140       | 140/200     | 90/140        | 125        | 11  | 16          | <b>738 904 342</b> | 1.039          |
| 140       | 140/200     | 110/160       | 125        | 11  | 16          | <b>738 904 343</b> | 1.051          |

| d<br>(mm) | d/D<br>(mm) | d1/D1<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) | z<br>(mm) | Closest inch<br>(inch) | Type |
|-----------|-------------|---------------|-----------|------------|------------|-----------|------------------------|------|
| 40        | 40/90       | 32/75         | 131       | 40         | 36         | 17        | 1 ¼ - 1                | A    |
| 50        | 50/90       | 32/75         | 139       | 44         | 36         | 21        | 1 ½ - 1                | A    |
| 50        | 50/90       | 40/90         | 137       | 44         | 40         | 15        | 1 ½ - 1 ¼              | A    |



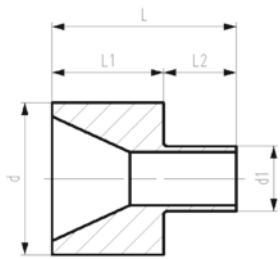


| d<br>(mm) | d/D<br>(mm) | d1/D1<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) | z<br>(mm) | Closest inch<br>(inch) | Type |
|-----------|-------------|---------------|-----------|------------|------------|-----------|------------------------|------|
| 63        | 63/110      | 32/75         | 148       | 48         | 36         | 26        | 2 - 1                  | A    |
| 63        | 63/110      | 40/90         | 147       | 48         | 40         | 21        | 2 - 1 ¼                | A    |
| 63        | 63/110      | 50/90         | 147       | 48         | 44         | 17        | 2 - 1 ½                | A    |
| 90        | 90/140      | 63/110        | 187       | 62         | 48         | 39        | 3 - 2                  | A    |
| 110       | 110/160     | 90/140        | 214       | 72         | 62         | 42        | 4 - 3                  | A    |
| 75        | 75/125      | 63/110        |           | 55         | 48         | 170       | 2 ½ - 2                | B    |
| 90        | 90/140      | 63/110        |           | 62         | 48         | 190       | 3 - 2                  | B    |
| 90        | 90/140      | 75/125        |           | 62         | 55         | 190       | 3 - 2 ½                | B    |
| 110       | 110/160     | 63/110        |           | 72         | 48         | 205       | 4 - 2                  | B    |
| 110       | 110/160     | 75/125        |           | 72         | 55         | 205       | 4 - 2 ½                | B    |
| 110       | 110/160     | 90/140        |           | 72         | 62         | 205       | 4 - 3                  | B    |
| 140       | 140/200     | 63/110        |           | 84         | 48         | 225       | 5 - 2                  | B    |
| 140       | 140/200     | 75/125        |           | 84         | 55         | 237       | 5 - 2 ½                | B    |
| 140       | 140/200     | 90/140        |           | 84         | 62         | 238       | 5 - 3                  | B    |
| 140       | 140/200     | 110/160       |           | 84         | 72         | 233       | 5 - 4                  | B    |

### COOL-FIT 2.0 Reducer short

#### Model:

- Spigot fitting PE100 SDR11, metric with free end
- Space-optimized branch: sealing lip of Fitting Typ A that joins to the branch, needs to be cut and adhesive ring be use



| d<br>(mm) | d1<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) |
|-----------|------------|------------|-----|-------------|--------------------|----------------|-----------|------------|------------|
| 40        | 32         | 32         | 11  | 16          | <b>738 900 506</b> | 0.030          | 76        | 40         | 36         |
| 50        | 32         | 40         | 11  | 16          | <b>738 900 509</b> | 0.060          | 80        | 44         | 36         |
| 50        | 40         | 40         | 11  | 16          | <b>738 900 510</b> | 0.060          | 84        | 44         | 40         |
| 63        | 32         | 50         | 11  | 16          | <b>738 900 512</b> | 0.100          | 84        | 48         | 36         |
| 63        | 40         | 50         | 11  | 16          | <b>738 900 513</b> | 0.100          | 88        | 48         | 40         |
| 63        | 50         | 50         | 11  | 16          | <b>738 900 514</b> | 0.100          | 92        | 48         | 44         |
| 75        | 32         | 65         | 11  | 16          | <b>738 900 515</b> | 0.170          | 91        | 55         | 36         |
| 90        | 32         | 80         | 11  | 16          | <b>738 900 519</b> | 0.280          | 98        | 62         | 36         |
| 110       | 32         | 100        | 11  | 16          | <b>738 900 524</b> | 0.500          | 108       | 72         | 36         |

## COOL-FIT 2.0 Installation fitting type 313 Rp

### Model:

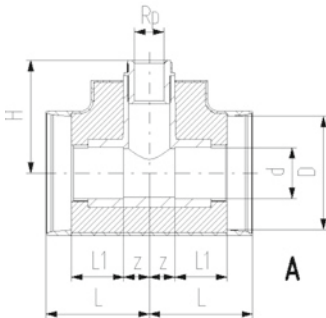
- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- With threaded branch for sensors (i.e temperature, pressure)
- A: Electrofusion Fitting with integrated sealing lip, for a moisture-proof and vapour tight sealing
- B: Spigot Fitting with free end (separate electrofusion fitting needed for joining)
- Availability: 738 313 436, 738 313 486 from July 2023



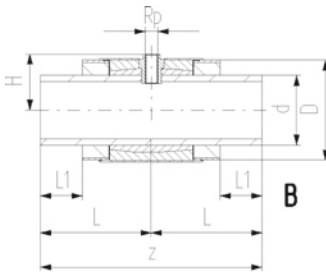
A



B



A



B

| d<br>(mm) | d/D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) |
|-----------|-------------|-------------|----------------|------------|-----|-------------|--------------------|----------------|
| 32        | 32/75       | Rp          | ½              | 25         | 11  | 16          | <b>738 313 408</b> | 0.138          |
| 40        | 40/90       | Rp          | ½              | 32         | 11  | 16          | <b>738 313 409</b> | 0.216          |
| 40        | 40/90       | Rp          | ¾              | 32         | 11  | 16          | <b>738 313 459</b> | 0.216          |
| 50        | 50/90       | Rp          | ½              | 40         | 11  | 16          | <b>738 313 410</b> | 0.308          |
| 50        | 50/90       | Rp          | ¾              | 40         | 11  | 16          | <b>738 313 460</b> | 0.307          |
| 63        | 63/110      | Rp          | ½              | 50         | 11  | 16          | <b>738 313 411</b> | 0.493          |
| 63        | 63/110      | Rp          | ¾              | 50         | 11  | 16          | <b>738 313 461</b> | 0.492          |
| 75        | 75/125      | Rp          | ½              | 65         | 11  | 16          | <b>738 313 412</b> | 0.678          |
| 75        | 75/125      | Rp          | ¾              | 65         | 11  | 16          | <b>738 313 462</b> | 0.677          |
| 90        | 90/140      | Rp          | ½              | 80         | 11  | 16          | <b>738 313 413</b> | 1.025          |
| 90        | 90/140      | Rp          | ¾              | 80         | 11  | 16          | <b>738 313 463</b> | 1.023          |
| 110       | 110/160     | Rp          | ½              | 100        | 11  | 16          | <b>738 313 414</b> | 1.765          |
| 110       | 110/160     | Rp          | ¾              | 100        | 11  | 16          | <b>738 313 464</b> | 1.763          |
| 140       | 140/200     | Rp          | ½              | 125        | 11  | 16          | <b>738 313 436</b> | 3.661          |
| 140       | 140/200     | Rp          | ¾              | 125        | 11  | 16          | <b>738 313 486</b> | 3.660          |
| 140       | 140/200     | Rp          | ½              | 125        | 11  | 16          | <b>738 313 416</b> | 3.406          |
| 140       | 140/200     | Rp          | ¾              | 125        | 11  | 16          | <b>738 313 466</b> | 3.401          |

| d<br>(mm) | L<br>(mm) | L1<br>(mm) | z<br>(mm) | H<br>(mm) | Closest inch<br>(inch) | Type |
|-----------|-----------|------------|-----------|-----------|------------------------|------|
| 32        | 73        | 36         | 16        | 75        | 1                      | A    |
| 40        | 81        | 40         | 21        | 85        | 1 ¼                    | A    |
| 40        | 81        | 40         | 21        | 88        | 1 ¼                    | A    |
| 50        | 88        | 44         | 24        | 94        | 1 ½                    | A    |
| 50        | 88        | 44         | 24        | 97        | 1 ½                    | A    |
| 63        | 97        | 48         | 29        | 113       | 2                      | A    |
| 63        | 97        | 48         | 29        | 116       | 2                      | A    |
| 75        | 110       | 55         | 35        | 99        | 2 ½                    | A    |
| 75        | 110       | 55         | 35        | 102       | 2 ½                    | A    |
| 90        | 123       | 62         | 42        | 113       | 3                      | A    |
| 90        | 123       | 62         | 42        | 116       | 3                      | A    |
| 110       | 148       | 72         | 56        | 128       | 4                      | A    |
| 110       | 148       | 72         | 56        | 131       | 4                      | A    |
| 140       | 169       | 84         | 66        | 190       | 5                      | A    |
| 140       | 169       | 84         | 66        | 190       | 5                      | A    |
| 140       | 224       | 84         | 447       | 110       | 5                      | B    |
| 140       | 224       | 84         | 447       | 113       | 5                      | B    |

# COOL-FIT 2.0 Transition Fittings



A



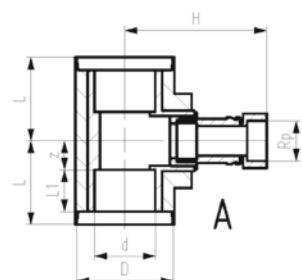
B

## COOL-FIT 2.0 Transition Tee90° PE/brass With female thread Rp

### Model:

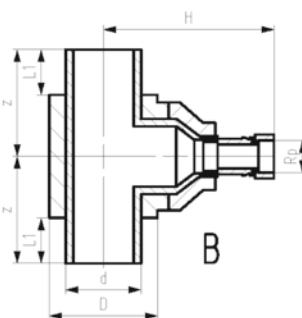
- Pre-insulated, PE100, SDR11, metric
- Brass CuZn40Pb2 with female thread Rp
- Insulation made from GF HE foam
- Impact resistant. Color: black
- A: Electrofusion Fitting with integrated sealing lip, for a water and vapour tight sealing
- B: Spigot Fitting with free end (separate electrofusion fitting needed for joining)

| d<br>(mm) | d/D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) |
|-----------|-------------|-------------|----------------|------------|-----|-------------|--------------------|----------------|
| 63        | 63/110      | Rp          | 2              | 50         | 11  | 16          | <b>738 954 061</b> | 1.700          |
| 75        | 75/125      | Rp          | 2              | 65         | 11  | 16          | <b>738 954 062</b> | 1.900          |
| 90        | 90/140      | Rp          | 2              | 80         | 11  | 16          | <b>738 954 063</b> | 2.300          |
| 110       | 110/160     | Rp          | 2              | 100        | 11  | 16          | <b>738 954 064</b> | 3.100          |
| 140       | 140/200     | Rp          | 2              | 125        | 11  | 16          | <b>738 954 066</b> | 4.700          |

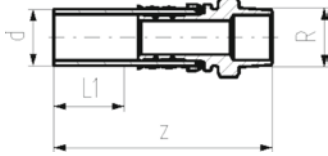


A

| d<br>(mm) | L<br>(mm) | L1<br>(mm) | z<br>(mm) | H<br>(mm) | closest inch<br>(inch) | Type |
|-----------|-----------|------------|-----------|-----------|------------------------|------|
| 63        | 97        | 48         | 29        | 212       | 2                      | A    |
| 75        | 110       | 55         | 36        | 193       | 2 ½                    | A    |
| 90        | 124       | 62         | 43        | 210       | 3                      | A    |
| 110       | 148       | 72         | 57        | 223       | 4                      | A    |
| 140       |           | 84         | 447       | 316       | 5                      | B    |



B

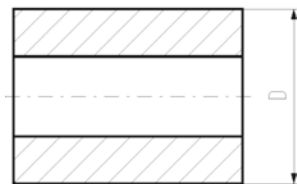
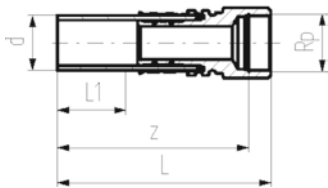


### COOL-FIT 2.0 Adaptor fitting PE/stainless steel With male thread R

#### Model:

- Spigot fitting PE100 SDR11, metric with free end
- Stainless steel 1.4404 / 316L with male thread R
- Gasket: O-ring EPDM
- Including Insulation made from NBR foam

| d<br>(mm) | D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L1<br>(mm) | z<br>(mm) |
|-----------|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|------------|-----------|
| 32        | 70        | R           | ½              | 25         | 11  | 16          | <b>738 944 508</b> | 0.194          | 36         | 130       |
| 32        | 70        | R           | ¾              | 25         | 11  | 16          | <b>738 944 518</b> | 0.202          | 36         | 134       |
| 32        | 70        | R           | 1              | 25         | 11  | 16          | <b>738 944 528</b> | 0.211          | 36         | 134       |
| 40        | 78        | R           | 1 ¼            | 32         | 11  | 16          | <b>738 944 509</b> | 0.595          | 40         | 156       |
| 50        | 88        | R           | 1 ½            | 40         | 11  | 16          | <b>738 944 510</b> | 0.954          | 44         | 168       |
| 63        | 101       | R           | 2              | 50         | 11  | 16          | <b>738 944 511</b> | 1.381          | 48         | 179       |



### COOL-FIT 2.0 Adaptor fitting PE/stainless steel With female thread Rp

#### Model:

- Spigot fitting PE100 SDR11, metric with free end
- Stainless steel 1.4404 / 316L with femal thread Rp
- Gasket: O-ring EPDM
- Including Insulation made from NBR foam

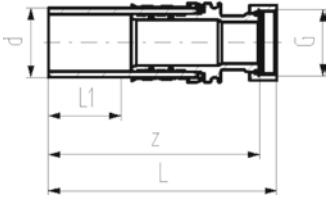
| d<br>(mm) | D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) |
|-----------|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|
| 32        | 70        | Rp          | ½              | 25         | 11  | 16          | <b>738 944 008</b> | 0.201          | 132       | 36         | 118       |
| 32        | 70        | Rp          | ¾              | 25         | 11  | 16          | <b>738 944 018</b> | 0.226          | 132       | 36         | 116       |
| 32        | 70        | Rp          | 1              | 25         | 11  | 16          | <b>738 944 028</b> | 0.251          | 132       | 36         | 115       |
| 40        | 78        | Rp          | 1 ¼            | 32         | 11  | 16          | <b>738 944 009</b> | 0.626          | 157       | 40         | 141       |
| 50        | 88        | Rp          | 1 ½            | 40         | 11  | 16          | <b>738 944 010</b> | 0.670          | 150       | 44         | 128       |
| 63        | 101       | Rp          | 2              | 50         | 11  | 16          | <b>738 944 011</b> | 1.170          | 164       | 48         | 140       |



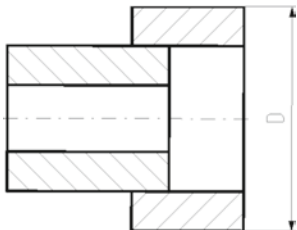
### COOL-FIT 2.0 Adaptor fitting PE/stainless steel With loose union nut G

#### Model:

- Spigot fitting PE100 SDR11, metric with free end
- Stainless steel 1.4404 / 316L with female thread G
- Including flat seal EPDM
- Including Insulation made from NBR foam



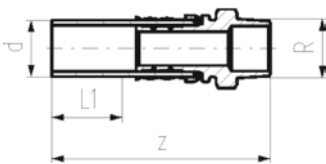
| d<br>(mm) | D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) |
|-----------|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|
| 32        | 70        | G           | ½              | 25         | 11  | 16          | <b>738 944 308</b> | 0.204          | 135       | 36         | 126       |
| 32        | 70        | G           | ¾              | 25         | 11  | 16          | <b>738 944 318</b> | 0.219          | 135       | 36         | 129       |
| 32        | 70        | G           | 1              | 25         | 11  | 16          | <b>738 944 328</b> | 0.317          | 135       | 36         | 129       |
| 40        | 78        | G           | 1 ¼            | 32         | 11  | 16          | <b>738 944 309</b> | 0.538          | 155       | 40         | 148       |
| 40        | 116       | G           | 1 ½            | 32         | 11  | 16          | <b>738 944 319</b> | 0.615          | 157       | 40         | 148       |
| 50        | 88        | G           | 1 ½            | 40         | 11  | 16          | <b>738 944 310</b> | 0.758          | 164       | 44         | 154       |
| 63        | 101       | G           | 2              | 50         | 11  | 16          | <b>738 944 311</b> | 1.237          | 186       | 48         | 170       |



### COOL-FIT 2.0 Adaptor fitting PE/brass With male thread R

#### Model:

- Spigot fitting PE100 SDR11, metric with free end
- Brass CuZn40Pb2 with male thread R
- Gasket: O-ring EPDM
- Including Insulation made from NBR foam



| d<br>(mm) | D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L1<br>(mm) | z<br>(mm) |
|-----------|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|------------|-----------|
| 32        | 70        | R           | ½              | 25         | 11  | 16          | <b>738 954 508</b> | 0.203          | 36         | 130       |
| 32        | 70        | R           | ¾              | 25         | 11  | 16          | <b>738 954 518</b> | 0.211          | 36         | 134       |
| 32        | 70        | R           | 1              | 25         | 11  | 16          | <b>738 954 528</b> | 0.221          | 36         | 134       |
| 40        | 78        | R           | 1 ¼            | 32         | 11  | 16          | <b>738 954 509</b> | 0.631          | 40         | 156       |
| 50        | 88        | R           | 1 ½            | 40         | 11  | 16          | <b>738 954 510</b> | 1.013          | 44         | 168       |
| 63        | 101       | R           | 2              | 50         | 11  | 16          | <b>738 954 511</b> | 1.467          | 48         | 179       |

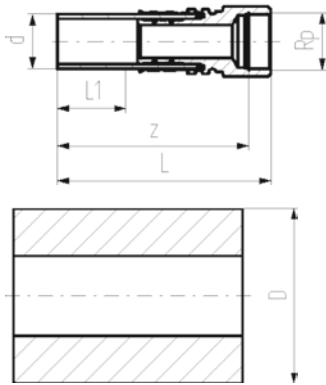




**COOL-FIT 2.0 Adaptor fitting PE/brass**  
With female thread Rp

**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Brass CuZn40Pb2 with female thread Rp
- Gasket: O-ring EPDM
- Including Insulation made from NBR foam



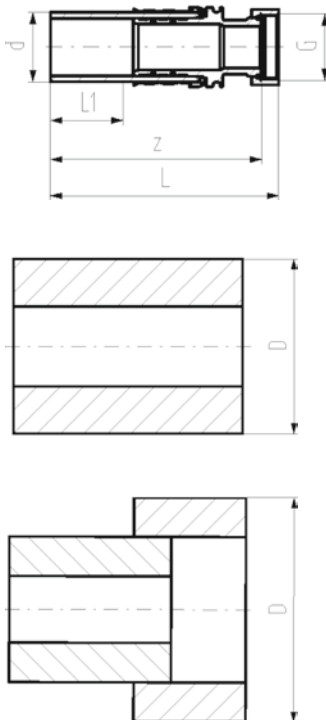
| d<br>(mm) | D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) |
|-----------|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|
| 32        | 70        | Rp          | ½              | 25         | 11  | 16          | <b>738 954 008</b> | 0.210          | 132       | 36         | 118       |
| 32        | 70        | Rp          | ¾              | 25         | 11  | 16          | <b>738 954 018</b> | 0.237          | 132       | 36         | 116       |
| 32        | 70        | Rp          | 1              | 25         | 11  | 16          | <b>738 954 028</b> | 0.264          | 132       | 36         | 115       |
| 40        | 78        | Rp          | 1 ¼            | 32         | 11  | 16          | <b>738 954 009</b> | 0.667          | 157       | 40         | 141       |
| 50        | 88        | Rp          | 1 ½            | 40         | 11  | 16          | <b>738 954 010</b> | 0.713          | 150       | 44         | 128       |
| 63        | 101       | Rp          | 2              | 50         | 11  | 16          | <b>738 954 011</b> | 1.246          | 164       | 48         | 140       |



**COOL-FIT 2.0 Adaptor fitting PE/brass**  
With loose union nut G

**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Brass CuZn40Pb2 with female thread G
- Including flat seal EPDM
- Including Insulation made from NBR foam



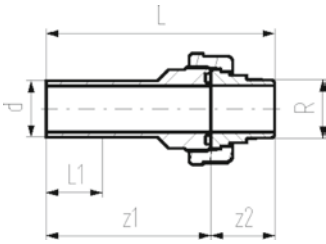
| d<br>(mm) | D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) |
|-----------|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|
| 32        | 70        | G           | ¾              | 25         | 11  | 16          | <b>738 954 318</b> | 0.224          | 135       | 36         | 126       |
| 32        | 70        | G           | 1              | 25         | 11  | 16          | <b>738 954 328</b> | 0.263          | 135       | 36         | 129       |
| 32        | 108       | G           | 1 ¼            | 25         | 11  | 16          | <b>738 954 338</b> | 0.335          | 137       | 36         | 129       |
| 40        | 78        | G           | 1 ¼            | 32         | 11  | 16          | <b>738 954 309</b> | 0.569          | 155       | 40         | 148       |
| 40        | 116       | G           | 1 ½            | 32         | 11  | 16          | <b>738 954 319</b> | 0.650          | 157       | 40         | 148       |
| 50        | 88        | G           | 1 ½            | 40         | 11  | 16          | <b>738 954 310</b> | 0.801          | 164       | 44         | 154       |
| 63        | 101       | G           | 2              | 50         | 11  | 16          | <b>738 954 311</b> | 1.310          | 186       | 48         | 170       |



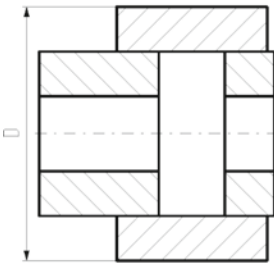
### COOL-FIT 2.0 Adaptor union PE/stainless steel With male thread R

#### Model:

- Union bush: Spigot fitting PE100 SDR11, metric with free end
- Union End: Stainless steel 1.4404 / 316L with male thread R
- Gasket: O-ring EPDM No. 748 410 008-011
- Union Nut: PEGF25
- Including Insulation made from NBR foam



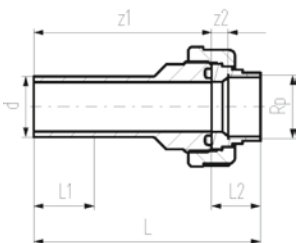
| d<br>(mm) | D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z1<br>(mm) | z2<br>(mm) |
|-----------|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|-----------|------------|------------|------------|
| 32        | 108       | R           | 1              | 25         | 11  | 16          | <b>738 544 708</b> | 0.310          | 147       | 36         | 107        | 40         |
| 40        | 116       | R           | 1 ¼            | 32         | 11  | 16          | <b>738 544 709</b> | 0.538          | 163       | 40         | 117        | 46         |
| 50        | 126       | R           | 1 ½            | 40         | 11  | 16          | <b>738 544 710</b> | 0.660          | 172       | 44         | 124        | 48         |
| 63        | 139       | R           | 2              | 50         | 11  | 16          | <b>738 544 711</b> | 1.073          | 191       | 48         | 136        | 55         |



### COOL-FIT 2.0 Adaptor union PE/stainless steel With female thread Rp

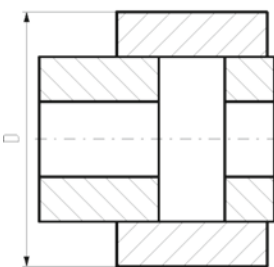
#### Model:

- Union bush: Spigot fitting PE100 SDR11, metric with free end
- Union End: Stainless steel 1.4404 / 316L with female thread Rp
- Gasket: O-ring EPDM No. 748 410 008-011
- Union Nut: PEGF25
- Including Insulation made from NBR foam



| d<br>(mm) | D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) |
|-----------|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|
| 32        | 108       | Rp          | 1              | 25         | 11  | 16          | <b>738 544 208</b> | 0.270          |
| 40        | 116       | Rp          | 1 ¼            | 32         | 11  | 16          | <b>738 544 209</b> | 0.433          |
| 50        | 126       | Rp          | 1 ½            | 40         | 11  | 16          | <b>738 544 210</b> | 0.587          |
| 63        | 139       | Rp          | 2              | 50         | 11  | 16          | <b>738 544 211</b> | 0.883          |

| d<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) | z1<br>(mm) | z2<br>(mm) |
|-----------|-----------|------------|------------|------------|------------|
| 32        | 136       | 36         | 29         | 107        | 10         |
| 40        | 150       | 40         | 33         | 118        | 11         |
| 50        | 158       | 44         | 34         | 124        | 13         |
| 63        | 175       | 48         | 39         | 136        | 14         |

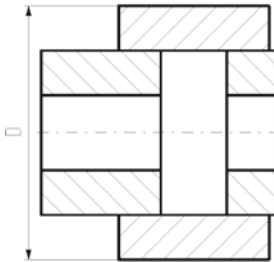
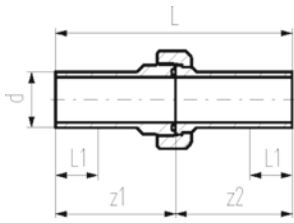




### COOL-FIT 2.0 Union PE/PE

#### Model:

- Union bush: Spigot fitting PE100 SDR11, metric with free end
- Union End: Spigot fitting PE100 SDR11, metric with free end
- Gasket: O-ring EPDM No. 748 410 008-014
- Union Nut: PEGF25
- Including Insulation made from NBR foam



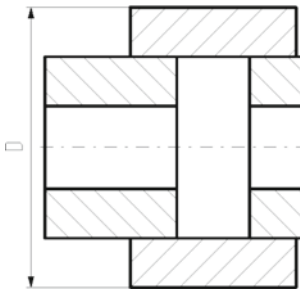
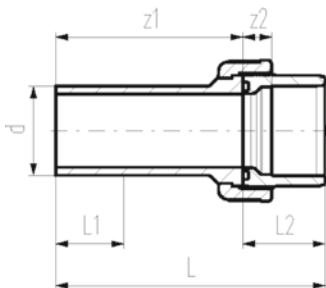
| d<br>(mm) | D<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | L<br>(mm) | L1<br>(mm) | z1<br>(mm) | z2<br>(mm) |
|-----------|-----------|------------|-----|-------------|--------------------|-----------|------------|------------|------------|
| 32        | 108       | 25         | 11  | 16          | <b>738 514 608</b> | 211       | 36         | 107        | 104        |
| 40        | 116       | 32         | 11  | 16          | <b>738 514 609</b> | 234       | 40         | 118        | 117        |
| 50        | 126       | 40         | 11  | 16          | <b>738 514 610</b> | 247       | 44         | 124        | 123        |
| 63        | 139       | 50         | 11  | 16          | <b>738 514 611</b> | 268       | 48         | 136        | 132        |
| 75        | 151       | 65         | 11  | 10          | <b>738 514 612</b> | 303       | 55         | 154        | 149        |
| 90        | 166       | 80         | 11  | 10          | <b>738 514 613</b> | 293       | 62         | 149        | 144        |
| 110       | 186       | 100        | 11  | 10          | <b>738 514 614</b> | 321       | 72         | 162        | 159        |



### COOL-FIT 2.0 Adaptor Union PE/ABS

#### Model:

- Union bush: ABS Solvent cement socket
- Union End: Spigot fitting PE100 SDR11, metric with free end
- Gasket: O-ring EPDM No. 748 410 008-014
- Union Nut: ABS
- Including Insulation made from NBR foam



| d<br>(mm) | D<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) | z1<br>(mm) | z2<br>(mm) |
|-----------|-----------|------------|-----|-------------|--------------------|----------------|-----------|------------|------------|------------|------------|
| 32        | 108       | 25         | 11  | 10          | <b>738 514 708</b> | 0.117          | 137       | 36         | 33         | 104        | 11         |
| 40        | 116       | 32         | 11  | 10          | <b>738 514 709</b> | 0.196          | 156       | 40         | 39         | 117        | 13         |
| 50        | 126       | 40         | 11  | 10          | <b>738 514 710</b> | 0.268          | 169       | 44         | 46         | 123        | 15         |
| 63        | 139       | 50         | 11  | 10          | <b>738 514 711</b> | 0.427          | 190       | 48         | 58         | 132        | 21         |
| 75        | 151       | 65         | 11  | 10          | <b>738 514 712</b> | 0.730          | 211       | 55         | 62         | 149        | 18         |
| 90        | 166       | 80         | 11  | 10          | <b>738 514 713</b> | 0.974          | 215       | 62         | 69         | 146        | 19         |
| 110       | 186       | 100        | 11  | 10          | <b>738 514 714</b> | 1.478          | 235       | 72         | 72         | 163        | 11         |



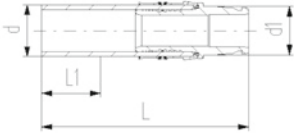
### COOL-FIT 2.0 Adaptor fitting PE/iFIT



**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- iFIT module stainless steel 1.4404 / 316L
- Including insulation half shells

| d    | D    | d1    | DN   | SDR | PN    | Code               | Weight | L    | L1   | L2   |
|------|------|-------|------|-----|-------|--------------------|--------|------|------|------|
| (mm) | (mm) | (mm)  | (mm) |     | (bar) |                    | (kg)   | (mm) | (mm) | (mm) |
| 32   | 70   | 25-32 | 25   | 11  | 10    | <b>738 944 108</b> | 0.229  | 132  | 36   | 80   |



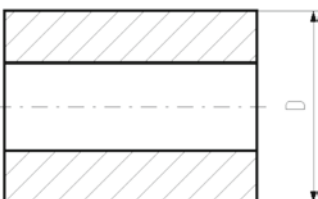
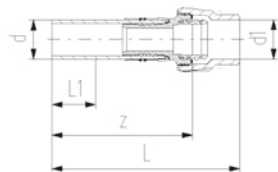
### COOL-FIT 2.0 Adaptor fitting PE/Sanipex MT



**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Sanipex MT adaptor brass CuZn40Pb2
- Including Insulation made from NBR foam

| d    | D    | DN   | PN    | SDR | d1   | Code               | Weight | L    | L1   | L2   | z    |
|------|------|------|-------|-----|------|--------------------|--------|------|------|------|------|
| (mm) | (mm) | (mm) | (bar) |     | (mm) |                    | (kg)   | (mm) | (mm) | (mm) | (mm) |
| 32   | 86   | 25   | 10    | 11  | 32   | <b>738 954 118</b> | 0.441  | 174  | 36   | 101  | 135  |

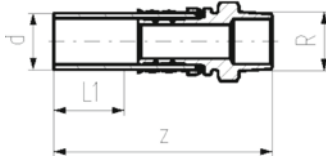


**COOL-FIT 2.0/4.0 Adaptor fitting PE/stainless steel  
With male thread R**



**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Stainless steel 1.4404 / 316L with male thread R
- Gasket: O-ring EPDM



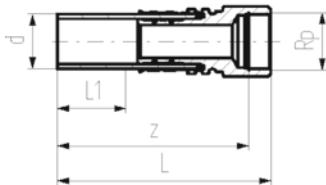
| d<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L1<br>(mm) | z<br>(mm) |
|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|------------|-----------|
| 32        | R           | ½              | 25         | 11  | 16          | <b>738 940 508</b> | 0.179          | 36         | 130       |
| 32        | R           | ¾              | 25         | 11  | 16          | <b>738 940 518</b> | 0.187          | 36         | 134       |
| 32        | R           | 1              | 25         | 11  | 16          | <b>738 940 528</b> | 0.196          | 36         | 134       |
| 40        | R           | 1 ¼            | 32         | 11  | 16          | <b>738 940 509</b> | 0.572          | 40         | 156       |
| 50        | R           | 1 ½            | 40         | 11  | 16          | <b>738 940 510</b> | 0.927          | 44         | 168       |
| 63        | R           | 2              | 50         | 11  | 16          | <b>738 940 511</b> | 1.347          | 48         | 179       |

**COOL-FIT 2.0/4.0 Adaptor fitting PE/stainless steel  
With female thread Rp**



**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Stainless steel 1.4404 / 316L with female thread Rp
- Gasket: O-ring EPDM



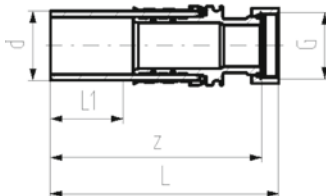
| d<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) |
|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|
| 32        | Rp          | ½              | 25         | 11  | 16          | <b>738 940 008</b> | 0.183          | 132       | 36         | 118       |
| 32        | Rp          | ¾              | 25         | 11  | 16          | <b>738 940 018</b> | 0.208          | 132       | 36         | 116       |
| 32        | Rp          | 1              | 25         | 11  | 16          | <b>738 940 028</b> | 0.233          | 132       | 36         | 115       |
| 40        | Rp          | 1 ¼            | 32         | 11  | 16          | <b>738 940 009</b> | 0.600          | 157       | 40         | 141       |
| 50        | Rp          | 1 ½            | 40         | 11  | 16          | <b>738 940 010</b> | 0.641          | 150       | 44         | 128       |
| 63        | Rp          | 2              | 50         | 11  | 16          | <b>738 940 011</b> | 1.133          | 164       | 48         | 140       |

**COOL-FIT 2.0/4.0 Adaptor fitting PE/stainless steel  
With loose union nut G**



**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Stainless steel 1.4404 / 316L with loose union nut G
- Including flat seal EPDM



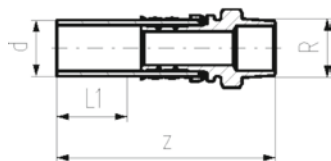
| d<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) |
|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|
| 32        | G           | ½              | 25         | 11  | 16          | <b>738 940 308</b> | 0.186          | 133       | 36         | 126       |
| 32        | G           | ¾              | 25         | 11  | 16          | <b>738 940 318</b> | 0.201          | 135       | 36         | 129       |
| 32        | G           | 1              | 25         | 11  | 16          | <b>738 940 328</b> | 0.232          | 135       | 36         | 129       |
| 40        | G           | 1 ¼            | 32         | 11  | 16          | <b>738 940 309</b> | 0.512          | 155       | 40         | 148       |
| 40        | G           | 1 ½            | 32         | 11  | 16          | <b>738 940 319</b> | 0.572          | 157       | 40         | 148       |
| 50        | G           | 1 ½            | 40         | 11  | 16          | <b>738 940 310</b> | 0.726          | 164       | 44         | 154       |
| 63        | G           | 2              | 50         | 11  | 16          | <b>738 940 311</b> | 1.195          | 186       | 48         | 170       |

**COOL-FIT 2.0/4.0 Adaptor fitting PE/brass  
With male thread R**



**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Brass CuZn40Pb2 with male thread R
- Gasket: O-ring EPDM



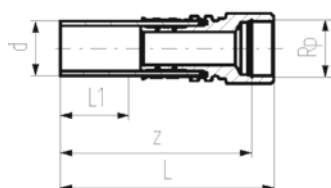
| d<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L1<br>(mm) | z<br>(mm) |
|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|------------|-----------|
| 32        | R           | ½              | 25         | 11  | 16          | <b>738 950 508</b> | 0.188          | 36         | 130       |
| 32        | R           | ¾              | 25         | 11  | 16          | <b>738 950 518</b> | 0.196          | 36         | 134       |
| 32        | R           | 1              | 25         | 11  | 16          | <b>738 950 528</b> | 0.206          | 36         | 134       |
| 40        | R           | 1 ¼            | 32         | 11  | 16          | <b>738 950 519</b> | 0.608          | 40         | 156       |
| 50        | R           | 1 ½            | 40         | 11  | 16          | <b>738 950 510</b> | 0.986          | 44         | 168       |
| 63        | R           | 2              | 50         | 11  | 16          | <b>738 950 511</b> | 1.433          | 48         | 179       |

**COOL-FIT 2.0/4.0 Adaptor fitting PE/brass  
With female thread Rp**



**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Brass CuZn40Pb2 with female tread Rp
- Gasket: O-ring EPDM



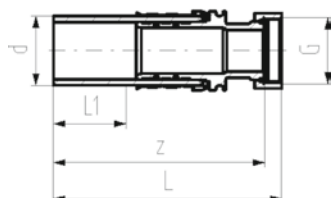
| d<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) |
|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|
| 32        | Rp          | ½              | 25         | 11  | 16          | <b>738 950 008</b> | 0.192          | 132       | 36         | 118       |
| 32        | Rp          | ¾              | 25         | 11  | 16          | <b>738 950 018</b> | 0.219          | 132       | 36         | 116       |
| 32        | Rp          | 1              | 25         | 11  | 16          | <b>738 950 028</b> | 0.246          | 132       | 36         | 115       |
| 40        | Rp          | 1 ¼            | 32         | 11  | 16          | <b>738 950 019</b> | 0.641          | 157       | 40         | 141       |
| 50        | Rp          | 1 ½            | 40         | 11  | 16          | <b>738 950 010</b> | 0.684          | 150       | 44         | 128       |
| 63        | Rp          | 2              | 50         | 11  | 16          | <b>738 950 011</b> | 1.209          | 164       | 48         | 140       |

**COOL-FIT 2.0/4.0 Adaptor fitting PE/brass  
With loose union nut G**



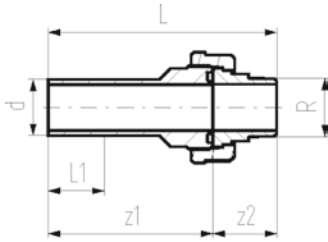
**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Brass CuZn40Pb2 with loose union nut G
- Including flat seal EPDM



| d<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z<br>(mm) |
|-----------|-------------|----------------|------------|-----|-------------|--------------------|----------------|-----------|------------|-----------|
| 32        | G           | ¾              | 25         | 11  | 16          | <b>738 950 318</b> | 0.206          | 135       | 36         | 129       |
| 32        | G           | 1              | 25         | 11  | 16          | <b>738 950 328</b> | 0.244          | 135       | 36         | 129       |
| 32        | G           | 1 ¼            | 25         | 11  | 16          | <b>738 950 338</b> | 0.301          | 137       | 36         | 131       |
| 40        | G           | 1 ¼            | 32         | 11  | 16          | <b>738 950 309</b> | 0.543          | 155       | 40         | 148       |
| 40        | G           | 1 ½            | 32         | 11  | 16          | <b>738 950 319</b> | 0.607          | 157       | 40         | 148       |
| 50        | G           | 1 ½            | 40         | 11  | 16          | <b>738 950 310</b> | 0.769          | 164       | 44         | 154       |
| 63        | G           | 2              | 50         | 11  | 16          | <b>738 950 311</b> | 1.268          | 186       | 48         | 170       |

**COOL-FIT 2.0/4.0 Adaptor union PE/stainless steel  
With male thread R**

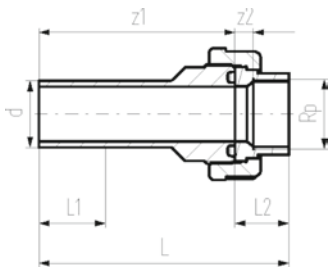


**Model:**

- Union bush: Spigot fitting PE100 SDR11, metric with free end
- Union End: Stainless steel 1.4404 / 316L with male thread R
- Gasket: O-ring EPDM No. 748 410 008-011
- Union Nut: PEGF25

| d<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | z1<br>(mm) | z2<br>(mm) |
|-----------|-------------|----------------|------------|-----|----|--------------------|----------------|-----------|------------|------------|------------|
| 32        | R           | 1              | 25         | 11  | 16 | <b>738 540 708</b> | 0.276          | 147       | 36         | 107        | 40         |
| 40        | R           | 1 ¼            | 32         | 11  | 16 | <b>738 540 709</b> | 0.495          | 163       | 40         | 117        | 46         |
| 50        | R           | 1 ½            | 40         | 11  | 16 | <b>738 540 710</b> | 0.606          | 172       | 44         | 124        | 48         |
| 63        | R           | 2              | 50         | 11  | 16 | <b>738 540 711</b> | 1.000          | 191       | 48         | 136        | 55         |

**COOL-FIT 2.0/4.0 Adaptor union PE/stainless steel  
With female thread Rp**



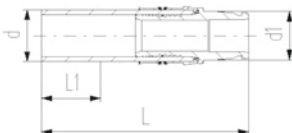
**Model:**

- Union bush: Spigot fitting PE100 SDR11, metric with free end
- Union End: Stainless steel 1.4404 / 316L with female thread Rp
- Gasket: O-ring EPDM No. 748 410 008-011
- Union Nut: PEGF25

| d<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | SDR | PN | Code               | Weight<br>(kg) |
|-----------|-------------|----------------|------------|-----|----|--------------------|----------------|
| 32        | Rp          | 1              | 25         | 11  | 16 | <b>738 540 208</b> | 0.234          |
| 40        | Rp          | 1 ¼            | 32         | 11  | 16 | <b>738 540 209</b> | 0.387          |
| 50        | Rp          | 1 ½            | 40         | 11  | 16 | <b>738 540 210</b> | 0.530          |
| 63        | Rp          | 2              | 50         | 11  | 16 | <b>738 540 211</b> | 0.807          |

| L<br>(mm) | L1<br>(mm) | L2<br>(mm) | z1<br>(mm) | z2<br>(mm) |
|-----------|------------|------------|------------|------------|
| 136.0     | 36         | 29         | 107.0      | 10.0       |
| 150.0     | 40         | 33         | 117.5      | 11.0       |
| 158.5     | 44         | 34         | 124.5      | 12.5       |
| 175.0     | 48         | 39         | 136.0      | 13.5       |

**COOL-FIT 2.0/4.0 Adaptor Fitting PE/iFIT**



**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- iFIT module stainless steel 1.4404 / 316L

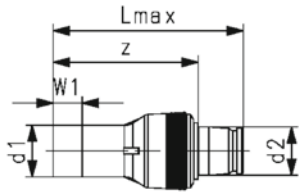
| d<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) |
|-----------|------------|-----|-------------|--------------------|----------------|-----------|------------|------------|
| 32        | 25         | 11  | 10          | <b>738 940 108</b> | 0.211          | 132       | 36         | 80         |



### COOL-FIT 2.0/4.0 Adaptor fitting PE/iFIT

**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Push system module brass

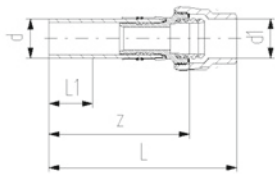


| d1<br>(mm) | d2<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | W1<br>(mm) | z<br>(mm) |
|------------|------------|------------|-----|-------------|--------------------|----|----------------|--------------|------------|-----------|
| 32         | 25/32      | 25         | 11  | 16          | <b>738 950 058</b> | 1  | 0.219          | 115          | 36         | 87        |

### COOL-FIT 2.0/4.0 Adaptor fitting PE/Sanipex MT

**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Sanipex MT adaptor brass CuZn40Pb2

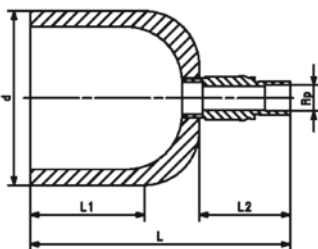


| d<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | d1<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) | z<br>(mm) |
|-----------|------------|-----|-------------|--------------------|----------------|------------|-----------|------------|------------|-----------|
| 32        | 25         | 11  | 10          | <b>738 950 118</b> | 0.412          | 32         | 174       | 36         | 101        | 135       |

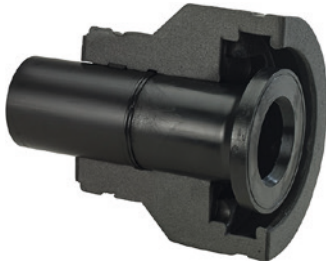
### COOL-FIT 2.0/4.0 Transition cap PE/brass With female thread Rp

**Model:**

- Spigot fitting PE100 SDR11, metric with free end
- Brass CuZn40Pb2 with female tread Rp
- Gasket: O-ring EPDM



| d<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | Thread<br>Size | L<br>(mm) | L1<br>(mm) | L2<br>(mm) |
|-----------|------------|-----|-------------|--------------------|----------------|----------------|-----------|------------|------------|
| 32        | 25         | 11  | 16          | <b>738 960 008</b> | 0.192          | Rp ½           | 107       | 36         | 69         |
| 40        | 32         | 11  | 16          | <b>738 960 009</b> | 0.210          | Rp ½           | 113       | 40         | 73         |
| 50        | 40         | 11  | 16          | <b>738 960 010</b> | 0.250          | Rp ½           | 117       | 44         | 73         |
| 63        | 50         | 11  | 16          | <b>738 960 011</b> | 0.300          | Rp ½           | 121       | 48         | 73         |
| 75        | 65         | 11  | 16          | <b>738 960 012</b> | 0.400          | Rp ½           | 128       | 55         | 73         |
| 90        | 80         | 11  | 16          | <b>738 960 013</b> | 0.476          | Rp ½           | 135       | 62         | 73         |
| 110       | 100        | 11  | 16          | <b>738 960 014</b> | 0.695          | Rp ½           | 145       | 72         | 73         |
| 140       | 125        | 11  | 16          | <b>738 960 016</b> | 0.954          | Rp ½           | 209       | 84         | 73         |
| 160       | 150        | 11  | 16          | <b>738 960 017</b> | 1.300          | Rp ½           | 193       | 90         | 73         |
| 225       | 200        | 11  | 16          | <b>738 960 020</b> | 2.532          | Rp ½           | 221       | 110        | 73         |



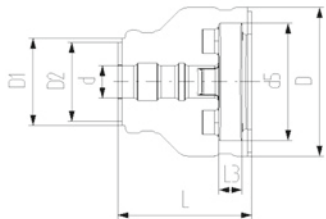
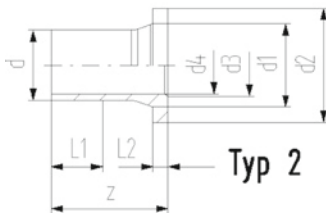
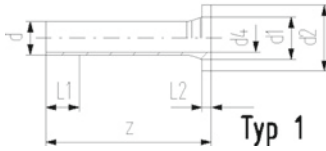
## COOL-FIT 2.0/4.0 Flange adaptor

### Model:

- PE100 SDR11, metric
- Suitable for flange connections to metric and/or ANSI/ASME B16.5
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- Type 1 without chamfer, Type 2 with chamfer
- Separate Fittings type A needed for joining

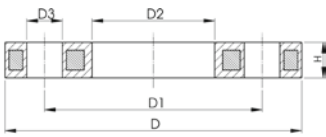
### Note:

Backing ring and gasket not included



| d<br>(mm) | D<br>(mm) | d1<br>(mm) | D1<br>(mm) | d2<br>(mm) | D2<br>(mm) | DN<br>(mm) | SDR | PN | Code               | Weight<br>(kg) |
|-----------|-----------|------------|------------|------------|------------|------------|-----|----|--------------------|----------------|
| 32        | 135       | 40         | 90         | 68         |            | 25         | 11  | 16 | <b>738 710 008</b> | 0.051          |
| 32        | 135       | 40         | 90         | 63         | 63         | 25         | 11  | 16 | <b>738 710 108</b> | 0.051          |
| 40        | 170       | 50         | 110        | 78         | 90         | 32         | 11  | 16 | <b>738 710 009</b> | 0.075          |
| 40        | 170       | 50         | 110        | 73         | 73         | 32         | 11  | 16 | <b>738 710 109</b> | 0.075          |
| 50        | 180       | 61         | 110        | 88         | 90         | 40         | 11  | 16 | <b>738 710 010</b> | 0.630          |
| 50        | 180       | 61         | 110        | 82         | 82         | 40         | 11  | 16 | <b>738 710 110</b> | 0.110          |
| 63        | 200       | 75         | 125        | 102        | 110        | 50         | 11  | 16 | <b>738 710 011</b> | 0.173          |
| 75        | 220       | 89         | 140        | 122        | 125        | 65         | 11  | 16 | <b>738 710 012</b> | 1.210          |
| 90        | 240       | 105        | 160        | 138        | 140        | 80         | 11  | 16 | <b>738 710 013</b> | 1.193          |
| 90        | 240       | 105        | 160        | 133        | 133        | 80         | 11  | 16 | <b>738 710 113</b> | 0.439          |
| 110       | 270       | 125        | 180        | 158        | 160        | 100        | 11  | 16 | <b>738 710 014</b> | 1.574          |
| 140       | 300       | 155        | 225        | 188        | 200        | 125        | 11  | 16 | <b>738 710 016</b> | 2.412          |
| 160       | 358       | 174        | 259        | 213        | 213        | 150        | 11  | 16 | <b>738 710 017</b> | 1.748          |
| 225       | 423       | 233        | 325        | 268        | 268        | 200        | 11  | 16 | <b>738 710 020</b> | 10.440         |

| d<br>(mm) | D<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | z<br>(mm) | d3<br>(mm) | d4<br>(mm) | d5<br>(mm) | Type | Standard     |
|-----------|-----------|-----------|------------|------------|------------|-----------|------------|------------|------------|------|--------------|
| 32        | 135       | 162       | 36         | 10         | 26         | 190       |            | 26         | 121        | 1    | Metric       |
| 32        | 135       | 162       | 36         | 10         | 26         | 190       |            | 26         | 121        | 1    | ANSI         |
| 40        | 170       | 165       | 40         | 11         | 28         | 197       |            | 32         | 146        | 1    | Metric       |
| 40        | 170       | 165       | 40         | 11         | 28         | 197       |            | 32         | 146        | 1    | ANSI         |
| 50        | 180       | 178       | 44         | 12         | 30         | 214       |            | 40         | 156        | 1    | Metric       |
| 50        | 180       | 178       | 44         | 12         | 30         | 214       |            | 40         | 156        | 1    | ANSI         |
| 63        | 200       | 230       | 48         | 14         | 32         | 270       |            | 51         | 171        | 1    | Metric, ANSI |
| 75        | 220       | 232       | 55         | 16         | 34         | 279       |            | 61         | 191        | 2    | Metric, ANSI |
| 90        | 240       | 245       | 62         | 17         | 35         | 299       | 78         | 73         | 206        | 2    | Metric       |
| 90        | 240       | 245       | 62         | 17         | 35         | 299       | 78         | 73         | 206        | 2    | ANSI         |
| 110       | 270       | 254       | 72         | 18         | 36         | 320       | 100        | 90         | 235        | 2    | Metric, ANSI |
| 140       | 300       | 299       | 84         | 25         | 38         | 383       | 127        | 127        | 256        | 2    | Metric, ANSI |
| 160       | 358       | 332       | 90         | 25         | 34         | 412       | 151        | 131        | 295        | 2    | Metric, ANSI |
| 225       | 423       | 383       | 110        | 32         | 37         | 483       | 209        | 184        | 354        | 2    | Metric, ANSI |



## Flanges PP-Steel

### Model:

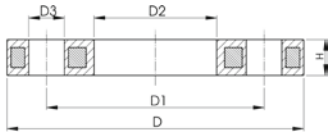
- Material: PP (30% glass-fibre reinforced) with steel ring
- Metric: ISO 7005, EN 1092, ISO 9624
- ASME: ANSI/ASME B 16.5 class 150, ASTM D2024, BS 1560, BS EN 1759
- Special flange adapter ANSI for d25 - d50 and d90 required

AL: number of holes

<sup>1)</sup> FM 1613 approved – 15 bar

<sup>2)</sup> Profiled loose flange

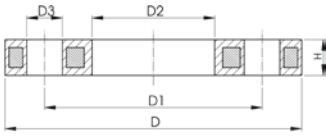
|      | d<br>(mm) | DN<br>(mm) | D<br>(mm) | PN<br>(bar) | Standard    | Bolt /<br>circle   | Design      | Code               | Weight<br>(kg) |
|------|-----------|------------|-----------|-------------|-------------|--------------------|-------------|--------------------|----------------|
|      | 20        | 15         | 95        | 16          | Metric      | PN10               | Butt/Socket | <b>727 700 206</b> | 0.216          |
|      | 20        | 15         | 95        | 16          | ASME        | class 150          | Butt/Socket | <b>727 701 206</b> | 0.213          |
|      | 25        | 20         | 105       | 16          | Metric      | PN10               | Butt/Socket | <b>727 700 207</b> | 0.279          |
|      | 25        | 20         | 105       | 16          | ASME        | class 150          | Butt/Socket | <b>727 701 207</b> | 0.260          |
|      | 32        | 25         | 115       | 16          | Metric      | PN10               | Butt/Socket | <b>727 700 208</b> | 0.429          |
|      | 32        | 25         | 115       | 16          | ASME        | class 150          | Butt/Socket | <b>727 701 208</b> | 0.416          |
|      | 40        | 32         | 140       | 16          | Metric      | PN10               | Butt/Socket | <b>727 700 209</b> | 0.621          |
|      | 40        | 32         | 140       | 16          | ASME        | class 150          | Butt/Socket | <b>727 701 209</b> | 0.730          |
|      | 50        | 40         | 150       | 16          | Metric      | PN10               | Butt/Socket | <b>727 700 210</b> | 0.722          |
|      | 50        | 40         | 150       | 16          | ASME        | class 150          | Butt/Socket | <b>727 701 210</b> | 0.809          |
|      | 63        | 50         | 165       | 16          | Metric      | PN10               | Butt/Socket | <b>727 700 211</b> | 0.900          |
|      | 63        | 50         | 165       | 16          | ASME        | class 150          | Butt/Socket | <b>727 701 211</b> | 0.866          |
|      | 75        | 65         | 185       | 16          | Metric      | PN10               | Butt/Socket | <b>727 700 212</b> | 1.110          |
|      | 75        | 65         | 185       | 16          | ASME        | class 150          | Butt/Socket | <b>727 701 212</b> | 1.117          |
| 1    | 90        | 80         | 200       | 16          | Metric      | PN10               | Butt        | <b>724 700 313</b> | 1.390          |
|      | 90        | 80         | 200       | 16          | Metric      | PN10               | Socket      | <b>727 700 213</b> | 1.369          |
|      | 90        | 80         | 200       | 16          | Metric      | PN10               | Butt        | <b>727 700 313</b> | 1.390          |
|      | 90        | 80         | 200       | 16          | ASME        | class 150          | Socket      | <b>727 701 213</b> | 1.492          |
|      | 90        | 80         | 200       | 16          | ASME        | class 150          | Butt        | <b>727 701 313</b> | 1.499          |
| 1    | 110       | 100        | 223       | 16          | Metric      | PN10               | Butt        | <b>724 700 314</b> | 1.407          |
|      | 110       | 100        | 220       | 16          | Metric      | PN10               | Socket      | <b>727 700 214</b> | 1.522          |
|      | 110       | 100        | 220       | 16          | Metric      | PN10               | Butt        | <b>727 700 314</b> | 1.407          |
|      | 110       | 100        | 229       | 16          | ASME        | class 150          | Socket      | <b>727 701 214</b> | 1.695          |
|      | 110       | 100        | 229       | 16          | ASME        | class 150          | Butt        | <b>727 701 314</b> | 1.739          |
| 1    | 125       | 100        | 223       | 16          | Metric      | PN10               | Butt        | <b>724 700 315</b> | 1.408          |
|      | 125       | 100        | 220       | 16          | Metric      | PN10               | Butt        | <b>727 700 315</b> | 1.408          |
|      | 125       | 125        | 250       | 16          | Metric      | PN10               | Socket      | <b>727 700 815</b> | 2.475          |
| 1    | 140       | 125        | 250       | 16          | Metric      | PN10               | Butt        | <b>724 700 316</b> | 2.300          |
|      | 140       | 125        | 250       | 16          | Metric      | PN10               | Butt        | <b>727 700 716</b> | 2.318          |
|      | 140       | 125        | 250       | 16          | Metric      | PN10               | Socket      | <b>727 700 816</b> | 2.033          |
| 1    | 160       | 150        | 285       | 16          | Metric      | PN10               | Butt        | <b>724 700 317</b> | 3.500          |
|      | 160       | 150        | 285       | 16          | Metric/ASME | PN10/<br>class 150 | Butt        | <b>727 700 717</b> | 3.491          |
|      | 160       | 150        | 285       | 16          | Metric/ASME | PN10/<br>class 150 | Socket      | <b>727 700 817</b> | 3.167          |
| 1    | 180       | 150        | 285       | 16          | Metric      | PN10               | Butt        | <b>724 700 318</b> | 3.100          |
|      | 180       | 150        | 285       | 16          | Metric      | PN10               | Butt        | <b>727 700 718</b> | 3.108          |
| 1, 2 | 200       | 200        | 344       | 16          | Metric      | PN16               | Butt        | <b>724 700 319</b> | 3.549          |
|      | 200       | 200        | 340       | 16          | Metric/ASME | PN10/<br>class 150 | Butt        | <b>727 700 719</b> | 5.600          |
|      | 200       | 200        | 340       | 16          | Metric/ASME | PN10/<br>class 150 | Socket      | <b>727 700 819</b> | 6.143          |
| 1, 2 | 225       | 200        | 344       | 16          | Metric      | PN16               | Butt        | <b>724 700 320</b> | 3.380          |
|      | 225       | 200        | 340       | 16          | Metric/ASME | PN10/<br>class 150 | Butt        | <b>727 700 720</b> | 5.533          |
|      | 225       | 200        | 340       | 16          | Metric/ASME | PN10/<br>class 150 | Socket      | <b>727 700 820</b> | 4.448          |
| 1, 2 | 250       | 250        | 410       | 16          | Metric      | PN16               | Butt        | <b>724 700 321</b> | 6.390          |
|      | 250       | 225        | 395       | 16          | Metric      | PN10               | Socket      | <b>727 700 031</b> | 8.340          |
|      | 250       | 250        | 395       | 16          | Metric      | PN10               | Butt        | <b>727 700 721</b> | 6.632          |
|      | 250       | 250        | 395       | 16          | Metric      | PN10               | Socket      | <b>727 700 821</b> | 7.179          |
| 1, 2 | 280       | 250        | 410       | 16          | Metric      | PN16               | Butt        | <b>724 700 322</b> | 6.310          |
|      | 280       | 250        | 395       | 16          | Metric      | PN10               | Butt        | <b>727 700 722</b> | 6.573          |
|      | 280       | 250        | 395       | 16          | Metric      | PN10               | Socket      | <b>727 700 822</b> | 5.547          |
| 1, 2 | 315       | 300        | 455       | 16          | Metric      | PN16               | Butt        | <b>724 700 323</b> | 9.740          |



|      | <b>d</b><br>(mm) | <b>DN</b><br>(mm) | <b>D</b><br>(mm) | <b>PN</b><br>(bar) | <b>Standard</b> | <b>Bolt /<br/>circle</b> | <b>Design</b> | <b>Code</b>        | <b>Weight</b><br>(kg) |
|------|------------------|-------------------|------------------|--------------------|-----------------|--------------------------|---------------|--------------------|-----------------------|
|      | 315              | 300               | 445              | 16                 | Metric          | PN10                     | Butt          | <b>727 700 723</b> | 7.903                 |
|      | 315              | 300               | 445              | 16                 | Metric          | PN10                     | Socket        | <b>727 700 823</b> | 6.980                 |
| 2    | 315              | 300               | 483              | 10                 | ASME            | class 150                | Butt          | <b>727 701 322</b> | 11.800                |
| 1, 2 | 355              | 350               | 521              | 16                 | Metric          | PN16                     | Butt          | <b>724 700 324</b> | 15.203                |
|      | 355              | 350               | 515              | 16                 | Metric          | PN10                     | Butt          | <b>727 700 724</b> | 14.587                |
|      | 355              | 350               | 515              | 16                 | Metric          | PN10                     | Socket        | <b>727 700 824</b> | 12.465                |
| 2    | 355              | 350               | 540              | 10                 | ASME            | class 150                | Butt          | <b>727 701 323</b> | 17.900                |
| 1, 2 | 400              | 400               | 582              | 16                 | Metric          | PN16                     | Butt          | <b>724 700 325</b> | 20.600                |
|      | 400              | 400               | 574              | 16                 | Metric          | PN10                     | Butt          | <b>727 700 725</b> | 20.034                |
|      | 400              | 400               | 574              | 16                 | Metric          | PN10                     | Socket        | <b>727 700 825</b> | 17.607                |
| 2    | 400              | 400               | 597              | 10                 | ASME            | class 150                | Butt          | <b>727 701 324</b> | 24.500                |
| 1, 2 | 450              | 500               | 685              | 10                 | Metric          | PN10                     | Butt          | <b>724 700 426</b> | 25.600                |
| 1, 2 | 500              | 500               | 685              | 10                 | Metric          | PN10                     | Butt          | <b>724 700 427</b> | 21.061                |
| 2    | 560              | 600               | 796              | 10                 | Metric          | PN10                     | Butt          | <b>724 700 428</b> | 35.000                |
| 2    | 630              | 600               | 800              | 10                 | Metric          | PN10                     | Butt          | <b>724 700 429</b> | 28.500                |
| 2    | 710              | 700               | 912              | 6                  | Metric          | PN10                     | Butt          | <b>724 700 430</b> | 25.500                |
| 2    | 800              | 800               | 1026             | 6                  | Metric          | PN10                     | Butt          | <b>724 700 431</b> | 39.300                |
| 2    | 900              | 900               | 1129             | 6                  | Metric          | PN10                     | Butt          | <b>724 700 432</b> | 48.500                |
| 2    | 250              | 250               | 406              | 10                 | ASME            | class 150                | Butt          | <b>727 701 321</b> | 6.000                 |
| 2    | 450              | 500               | 712              | 10                 | ASME            | class 150                | Butt          | <b>727 701 325</b> | 33.600                |

|      | <b>d</b><br>(mm) | <b>DN</b><br>(mm) | <b>D1</b><br>(mm) | <b>D2</b><br>(mm) | <b>D3</b><br>(mm) | <b>H max.</b><br>(mm) | <b>AL</b> | <b>SC</b> |
|------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|-----------|-----------|
|      | 20               | 15                | 65                | 28                | 14                | 12                    | 4         | M12       |
|      | 20               | 15                | 60                | 28                | 16                | 12                    | 4         | M12       |
|      | 25               | 20                | 75                | 34                | 14                | 12                    | 4         | M12       |
|      | 25               | 20                | 70                | 34                | 16                | 12                    | 4         | M12       |
|      | 32               | 25                | 85                | 42                | 14                | 16                    | 4         | M12       |
|      | 32               | 25                | 79                | 42                | 16                | 16                    | 4         | M12       |
|      | 40               | 32                | 100               | 51                | 18                | 16                    | 4         | M16       |
|      | 40               | 32                | 89                | 51                | 16                | 16                    | 4         | M16       |
|      | 50               | 40                | 110               | 62                | 18                | 20                    | 4         | M16       |
|      | 50               | 40                | 98                | 62                | 16                | 18                    | 4         | M16       |
|      | 63               | 50                | 125               | 78                | 18                | 20                    | 4         | M16       |
|      | 63               | 50                | 121               | 78                | 19                | 18                    | 4         | M16       |
|      | 75               | 65                | 145               | 92                | 18                | 20                    | 4         | M16       |
|      | 75               | 65                | 140               | 92                | 19                | 18                    | 4         | M16       |
| 1    | 90               | 80                | 160               | 108               | 18                | 20                    | 8         | M16       |
|      | 90               | 80                | 160               | 110               | 18                | 20                    | 8         | M16       |
|      | 90               | 80                | 160               | 108               | 18                | 20                    | 8         | M16       |
|      | 90               | 80                | 152               | 110               | 19                | 20                    | 4         | M16       |
|      | 90               | 80                | 152               | 108               | 19                | 20                    | 4         | M16       |
| 1    | 110              | 100               | 180               | 128               | 18                | 20                    | 8         | M16       |
|      | 110              | 100               | 180               | 133               | 18                | 20                    | 8         | M16       |
|      | 110              | 100               | 180               | 128               | 18                | 20                    | 8         | M16       |
|      | 110              | 100               | 190               | 133               | 19                | 20                    | 8         | M16       |
|      | 110              | 100               | 190               | 128               | 19                | 20                    | 8         | M16       |
| 1    | 125              | 100               | 180               | 135               | 18                | 20                    | 8         | M16       |
|      | 125              | 100               | 180               | 135               | 18                | 20                    | 8         | M16       |
|      | 125              | 125               | 210               | 150               | 18                | 26                    | 8         | M16       |
| 1    | 140              | 125               | 210               | 158               | 18                | 24                    | 8         | M16       |
|      | 140              | 125               | 210               | 158               | 18                | 24                    | 8         | M16       |
|      | 140              | 125               | 210               | 167               | 18                | 26                    | 8         | M16       |
| 1    | 160              | 150               | 240               | 178               | 22                | 28                    | 8         | M20       |
|      | 160              | 150               | 240               | 178               | 22                | 24                    | 8         | M20       |
|      | 160              | 150               | 240               | 190               | 22                | 26                    | 8         | M20       |
| 1    | 180              | 150               | 240               | 188               | 22                | 28                    | 8         | M20       |
|      | 180              | 150               | 240               | 188               | 22                | 24                    | 8         | M20       |
| 1, 2 | 200              | 200               | 295               | 235               | 22                | 31                    | 12        | M20       |
|      | 200              | 200               | 295               | 235               | 22                | 27                    | 8         | M20       |
|      | 200              | 200               | 295               | 226               | 22                | 29                    | 8         | M20       |
| 1, 2 | 225              | 200               | 295               | 238               | 22                | 31                    | 12        | M20       |
|      | 225              | 200               | 295               | 238               | 22                | 27                    | 8         | M20       |





|      | d    | DN   | D1   | D2   | D3   | H max. | AL | SC  |
|------|------|------|------|------|------|--------|----|-----|
|      | (mm) | (mm) | (mm) | (mm) | (mm) | (mm)   |    |     |
|      | 225  | 200  | 295  | 250  | 22   | 29     | 8  | M20 |
| 1, 2 | 250  | 250  | 355  | 288  | 26   | 35     | 12 | M24 |
|      | 250  | 225  | 325  | 277  | 22   | 32     | 8  | M20 |
|      | 250  | 250  | 350  | 288  | 22   | 30     | 12 | M20 |
|      | 250  | 250  | 350  | 277  | 22   | 32     | 12 | M20 |
| 1, 2 | 280  | 250  | 355  | 294  | 26   | 36     | 12 | M24 |
|      | 280  | 250  | 350  | 294  | 22   | 30     | 12 | M20 |
|      | 280  | 250  | 350  | 310  | 22   | 32     | 12 | M20 |
| 1, 2 | 315  | 300  | 410  | 338  | 26   | 43     | 12 | M24 |
|      | 315  | 300  | 400  | 338  | 22   | 34     | 12 | M20 |
|      | 315  | 300  | 400  | 348  | 22   | 36     | 12 | M20 |
| 2    | 315  | 300  | 432  | 338  | 25   | 34     | 12 | M24 |
| 1, 2 | 355  | 350  | 470  | 376  | 26   | 55     | 16 | M24 |
|      | 355  | 350  | 460  | 376  | 23   | 40     | 16 | M20 |
|      | 355  | 350  | 460  | 388  | 23   | 42     | 16 | M20 |
| 2    | 355  | 350  | 476  | 376  | 29   | 42     | 12 | M27 |
| 1, 2 | 400  | 400  | 525  | 430  | 30   | 56     | 28 | M27 |
|      | 400  | 400  | 515  | 430  | 26   | 40     | 16 | M24 |
|      | 400  | 400  | 515  | 442  | 26   | 42     | 16 | M24 |
| 2    | 400  | 400  | 539  | 429  | 29   | 44     | 16 | M27 |
| 1, 2 | 450  | 500  | 620  | 517  | 26   | 56     | 20 | M24 |
| 1, 2 | 500  | 500  | 620  | 533  | 26   | 56     | 20 | M24 |
| 2    | 560  | 600  | 725  | 618  | 30   | 68     | 20 | M27 |
| 2    | 630  | 600  | 725  | 645  | 30   | 68     | 20 | M27 |
| 2    | 710  | 700  | 840  | 740  | 30   | 49     | 24 | M27 |
| 2    | 800  | 800  | 950  | 843  | 33   | 58     | 24 | M30 |
| 2    | 900  | 900  | 1050 | 947  | 33   | 62     | 28 | M30 |
| 2    | 250  | 250  | 362  | 293  | 25   | 30     | 12 | M24 |
| 2    | 450  | 500  | 635  | 540  | 32   | 53     | 20 | M30 |

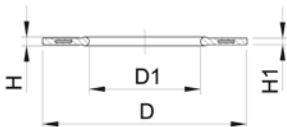


### Profile Flange Gasket EPDM/FKM metric

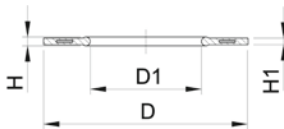
#### Model:

- For all metric GF Flange Adaptors
- Hardness: 70° Shore EPDM, 75° Shore FKM
- EPDM: approved acc. to DVGW Water W 270, KTW recommendation
- Centering on the inner diameter of the screw crown
- material steel insert: carbon steel
- Rubber-steel body combined with rubber profile cord ring up to d630
- Rubber-steel body ideal for big dimensions (d710 - d1000)

di FA are the suitable inner diameters of flanges adaptors



| d         | D    | di FA     | D1   | DN   | PN    | EPDM Code   | FKM Code    | Weight (kg) | H (mm) | H1 (mm) |
|-----------|------|-----------|------|------|-------|-------------|-------------|-------------|--------|---------|
| (mm)      | (mm) | (mm)      | (mm) | (mm) | (bar) |             |             |             |        |         |
| 16        | 46   | 6 - 16    | 16   | 10   | 16    | 748 440 705 | 749 440 705 | 0.012       | 4      | 3       |
| 20        | 51   | 10 - 20   | 20   | 15   | 16    | 748 440 706 | 749 440 706 | 0.013       | 4      | 3       |
| 25        | 61   | 12 - 22   | 22   | 20   | 16    | 748 440 707 | 749 440 707 | 0.014       | 4      | 3       |
| 32        | 71   | 18 - 28   | 28   | 25   | 16    | 748 440 708 | 749 440 708 | 0.019       | 4      | 3       |
| 40        | 82   | 30 - 40   | 40   | 32   | 16    | 748 440 709 | 749 440 709 | 0.026       | 4      | 3       |
| 50        | 92   | 36 - 46   | 46   | 40   | 16    | 748 440 710 | 749 440 710 | 0.039       | 4      | 3       |
| 63        | 107  | 48 - 58   | 58   | 50   | 16    | 748 440 711 | 749 440 711 | 0.050       | 5      | 4       |
| 75        | 127  | 59 - 69   | 69   | 65   | 16    | 748 440 712 | 749 440 712 | 0.082       | 5      | 4       |
| 90        | 142  | 73 - 84   | 84   | 80   | 16    | 748 440 713 | 749 440 713 | 0.083       | 5      | 4       |
| 110       | 162  | 94 - 104  | 104  | 100  | 16    | 748 440 714 | 749 440 714 | 0.127       | 6      | 5       |
| 125       | 162  | 113 - 123 | 123  | 100  | 16    | 748 440 715 | 749 440 715 | 0.105       | 6      | 5       |
| 140       | 192  | 127 - 137 | 137  | 125  | 16    | 748 440 716 | 749 440 716 | 0.173       | 6      | 5       |
| 160 - 180 | 218  | 150 - 160 | 160  | 150  | 16    | 748 440 717 | 749 440 717 | 0.207       | 8      | 6       |
| 200       | 273  | 192 - 203 | 203  | 200  | 16    | 748 440 719 | 749 440 719 | 0.263       | 8      | 6       |
| 225       | 273  | 207 - 220 | 220  | 200  | 16    | 748 440 720 | 749 440 720 | 0.255       | 8      | 6       |
| 250       | 328  | 238 - 252 | 252  | 250  | 16    | 748 440 721 | 749 440 721 | 0.462       | 8      | 6       |



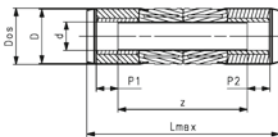
| d<br>(mm) | D<br>(mm) | di FA<br>(mm) | D1<br>(mm) | DN<br>(mm) | PN<br>(bar) | EPDM<br>Code       | FKM<br>Code        | Weight<br>(kg) | H<br>(mm) | H1<br>(mm) |
|-----------|-----------|---------------|------------|------------|-------------|--------------------|--------------------|----------------|-----------|------------|
| 280       | 328       | 264 - 274     | 274        | 250        | 16          | <b>748 440 722</b> | <b>749 440 722</b> | 0.323          | 8         | 6          |
| 315       | 378       | 296 - 306     | 306        | 300        | 16          | <b>748 440 723</b> | <b>749 440 723</b> | 0.549          | 8         | 6          |
| 355       | 438       | 340 - 355     | 355        | 350        | 16          | <b>748 440 724</b> | <b>749 440 724</b> | 0.870          | 10        | 7          |
| 400       | 489       | 385 - 400     | 400        | 400        | 16          | <b>748 440 725</b> | <b>749 440 725</b> | 1.088          | 10        | 7          |
| 450       | 594       | 393 - 403     | 403        | 500        | 10          | <b>748 440 726</b> | <b>749 440 726</b> | 0.718          | 10        | 7          |
| 500       | 594       | 437 - 447     | 447        | 500        | 10          | <b>748 440 727</b> | <b>749 440 727</b> | 0.718          | 10        | 7          |
| 560       | 695       | 484 - 494     | 494        | 600        | 10          | <b>748 440 728</b> | <b>749 440 728</b> | 0.923          | 10        | 7          |
| 630       | 695       | 545 - 555     | 555        | 600        | 10          | <b>748 440 729</b> | <b>749 440 729</b> | 0.923          | 10        | 7          |
| 710       | 810       | 562 - 712     | 712        | 700        | 6           | <b>748 440 730</b> |                    | 0.890          | 6         | 3          |
| 800       | 917       | 663 - 813     | 813        | 800        | 6           | <b>748 440 731</b> |                    | 1.340          | 6         | 3          |
| 900       | 1017      | 765 - 915     | 915        | 900        | 6           | <b>748 440 732</b> |                    | 1.170          | 6         | 3          |
| 1000      | 1124      | 866 - 1016    | 1016       | 1000       | 6           | <b>748 440 733</b> |                    | 1.360          | 6         | 3          |



### COOL-FIT 2.0 Sliding coupler kit

#### Model:

- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Outer jacket impact resistant. Color: black
- Integrated sealing lip, for a moisture-proof and vapour tight sealing
- Including two couplers, pipe section and four insulation half shells



| d<br>(mm) | d/D<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | Lmax<br>(mm) | z<br>(mm) | P1<br>(mm) | P2<br>(mm) | Dos<br>(mm) |
|-----------|-------------|------------|-----|-------------|--------------------|----------------|--------------|-----------|------------|------------|-------------|
| 32        | 32/75       | 25         | 11  | 16          | <b>738 914 508</b> | 0.311          | 376          | 268       | 36         | 36         | 82          |
| 40        | 40/90       | 32         | 11  | 16          | <b>738 914 509</b> | 0.446          | 402          | 284       | 40         | 40         | 97          |
| 50        | 50/90       | 40         | 11  | 16          | <b>738 914 510</b> | 0.589          | 422          | 296       | 44         | 44         | 97          |
| 63        | 63/110      | 50         | 11  | 16          | <b>738 914 511</b> | 0.907          | 452          | 318       | 48         | 48         | 117         |
| 75        | 75/125      | 65         | 11  | 16          | <b>738 914 512</b> | 1.309          | 493          | 344       | 55         | 55         | 133         |
| 90        | 90/140      | 80         | 11  | 16          | <b>738 914 513</b> | 1.890          | 532          | 370       | 62         | 62         | 148         |
| 110       | 110/160     | 100        | 11  | 16          | <b>738 914 514</b> | 3.078          | 604          | 420       | 72         | 72         | 168         |
| 140       | 140/200     | 125        | 11  | 16          | <b>738 914 516</b> | 4.851          | 673          | 466       | 84         | 84         | 208         |

# COOL-FIT 2.0 Weld-in port



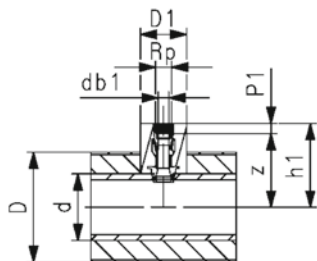
## COOL-FIT 2.0 Weld-in port PE/brass With female thread Rp

### Model:

- Material: PE100, brass with low lead content, dezincification resistant
- With Weld-in port cone (PE100) and female thread Rp (brass) for the installation of sensors, instruments, venting and draining
- Gasket: O-ring EPDM
- Including insulation made from EPDM foam

### Note:

For pipes COOL-FIT 2.0, COOL-FIT 2.0F, COOL-FIT 4.0 and COOL-FIT 4.0F



| Size<br>(inch) | Thread Type | PN<br>(bar) | Code               | Weight<br>(kg) |
|----------------|-------------|-------------|--------------------|----------------|
| ½              | Rp          | 16          | <b>738 114 106</b> | 0.140          |
| ¾              | Rp          | 16          | <b>738 114 107</b> | 0.183          |
| 1              | Rp          | 16          | <b>738 114 108</b> | 0.247          |

| z<br>(mm) | h1<br>(mm) | P1<br>(mm) | db1<br>(mm) | D1<br>(mm) | d COOL-FIT<br>2.0<br>(mm) |
|-----------|------------|------------|-------------|------------|---------------------------|
| 70 + d/2  | 85+d/2     | 15         | 11.8        | 73         | d63 - d140                |
| 69 + d/2  | 85+d/2     | 16         | 17.4        | 73         | d63 - d140                |
| 67 + d/2  | 86+d/2     | 19         | 23.1        | 73         | d63 - d140                |



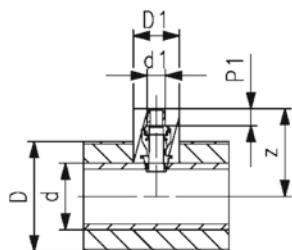
## COOL-FIT 2.0 Weld-in port PE/iFIT

### Model:

- Material: PE100, brass
- With Weld-in port cone (PE100) and iFIT module (brass) for the transition to COOL-FIT Push System or iFIT
- Gasket: O-ring EPDM
- Including insulation made from EPDM foam

### Note:

For pipes COOL-FIT 2.0, COOL-FIT 2.0F, COOL-FIT 4.0 and COOL-FIT 4.0F



| d1<br>(mm) | PN<br>(bar) | Code               | Weight<br>(kg) | z<br>(mm) | P1<br>(mm) | D1<br>(mm) | d COOL-FIT<br>2.0<br>(mm) |
|------------|-------------|--------------------|----------------|-----------|------------|------------|---------------------------|
| 16/20      | 16          | <b>738 114 406</b> | 0.143          | 84 + d/2  | 20         | 73         | d63 - d140                |



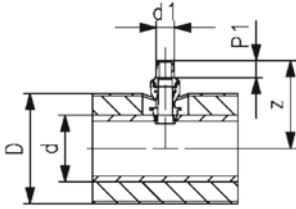
### COOL-FIT 2.0/4.0 Weld-in port PE/iFIT

**Model:**

- Material: PE100, brass
- With Weld-in port cone (PE100) and iFIT module (brass) for the transition to COOL-FIT Push System or iFIT
- Gasket: O-ring EPDM
- Including insulation made from EPDM foam

**Note:**

For pipes COOL-FIT 2.0, COOL-FIT 2.0F, COOL-FIT 4.0 and COOL-FIT 4.0F



| d1<br>(mm) | PN<br>(bar) | Code               | Weight<br>(kg) | z<br>(mm) | P1<br>(mm) | d COOL-FIT<br>2.0<br>(mm) | d COOL-FIT<br>4.0<br>(mm) |
|------------|-------------|--------------------|----------------|-----------|------------|---------------------------|---------------------------|
| 25/32      | 16          | <b>738 110 407</b> | 0.228          | 92 + d/2  | 28         | d63 - d140                | d63 - d225                |



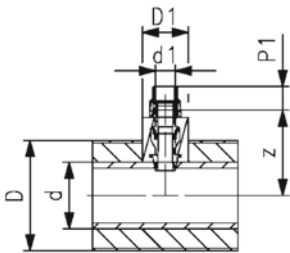
### COOL-FIT 2.0 Weld-in port PE/Sanipex MT

**Model:**

- Material: PE100, brass with low lead content, dezincification resistant
- With Weld-in port cone (PE100) and Sanipex MT adaptor (brass) for the transition to Sanipex MT
- Gasket: O-ring EPDM
- Including insulation made from EPDM foam

**Note:**

For pipes COOL-FIT 2.0, COOL-FIT 2.0F, COOL-FIT 4.0 and COOL-FIT 4.0F



| d<br>(mm) | PN<br>(bar) | Code               | Weight<br>(kg) | z<br>(mm) | P1<br>(mm) | db1<br>(mm) | D1<br>(mm) | d COOL-FIT<br>2.0<br>(mm) |
|-----------|-------------|--------------------|----------------|-----------|------------|-------------|------------|---------------------------|
| 32        | 16          | <b>738 114 508</b> | 0.240          | 49 + d/2  | 39         | 11.8        | 73         | d63 - d140                |



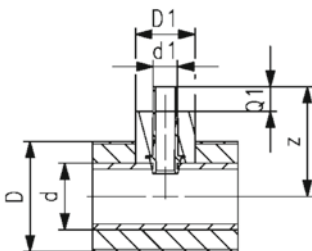
### COOL-FIT 2.0 Weld-in port PE spigot

**Model:**

- Material: PE100
- With Weld-in port cone (PE100) and metric spigot SDR11 for transitions to COOL-FIT 2.0 fittings type A or PE Fittings
- Including insulation made from EPDM foam

**Note:**

For pipes COOL-FIT 2.0, COOL-FIT 2.0F, COOL-FIT 4.0 and COOL-FIT 4.0F



| d1<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | z<br>(mm) | Q1<br>(mm) | D1<br>(mm) | d COOL-FIT<br>2.0<br>(mm) |
|------------|-----|-------------|--------------------|----------------|-----------|------------|------------|---------------------------|
| 32         | 11  | 16          | <b>738 114 608</b> | 0.070          | 125 + d/2 | 36         | 73         | d63 - d140                |
| 40         | 11  | 16          | <b>738 114 609</b> | 0.104          | 131 + d/2 | 40         | 86         | d75 - d140                |
| 50         | 11  | 16          | <b>738 114 610</b> | 0.152          | 140 + d/2 | 44         | 92         | d90 - d140                |

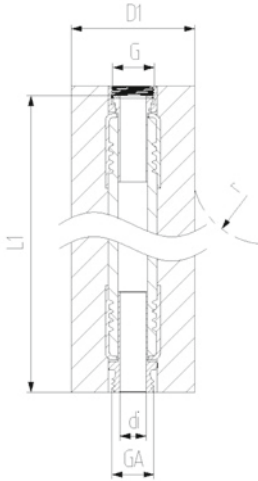
# COOL-FIT 2.0 Flexible Hoses

## COOL-FIT 2.0 Flexible hose



### Model:

- EPDM flexible hose with stainless steel protection
- Brass adaptors
- Pre-Insulation made from NBR foam with outer jacket impact resistant and tearproof
- With loose union nut G on one end and male thread GA on the other



| d<br>(mm) | D1<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | PN<br>(bar) | Code               | di<br>(mm) | L1<br>(mm) | r<br>(mm) |
|-----------|------------|-------------|----------------|------------|-------------|--------------------|------------|------------|-----------|
| 20        | 39         | G/GA        | 1/2"           | 15         | 10          | <b>738 924 206</b> | 15         | 1000       | 119       |
| 25        | 44         | G/GA        | 3/4"           | 20         | 10          | <b>738 924 207</b> | 19         | 1000       | 156       |
| 32        | 51         | G/GA        | 1"             | 25         | 10          | <b>738 924 208</b> | 25         | 1000       | 192       |
| 40        | 59         | G/GA        | 1 1/4"         | 32         | 8           | <b>738 924 209</b> | 32         | 1500       | 252       |
| 50        | 69         | G/GA        | 1 1/2"         | 40         | 6           | <b>738 924 210</b> | 38         | 2000       | 312       |
| 63        | 82         | G/GA        | 2"             | 50         | 6           | <b>738 924 211</b> | 52         | 2000       | 372       |

# COOL-FIT 2.0 Valves

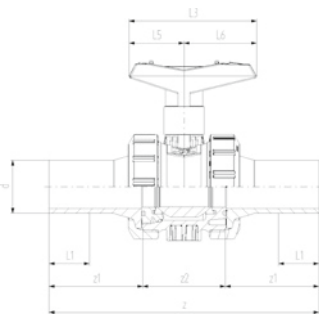
## COOL-FIT 2.0 Ball valve hand-operated



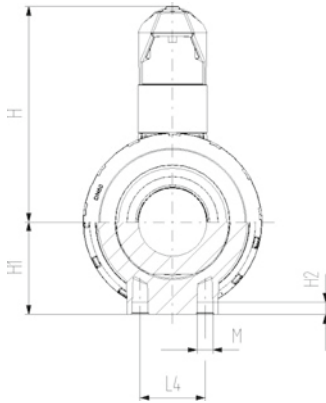
### Model:

- Material: PVC-U with spigot PE100 SDR11, metric
- Ball seals type 542-PE/ blue lever ; type 546 PTFE/ red lever
- Integrated stainless steel mounting inserts for type 546
- Including insulation half shells

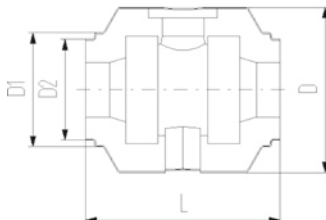
| d<br>(mm) | DN<br>(mm) | PN | kv-value<br>( $\Delta p=1$ bar)<br>(L/min) | Code               | Weight<br>(kg) |
|-----------|------------|----|--|--------------------|----------------|
| 32        | 25         | 16 | 700  | <b>138 541 308</b> | 0.550          |
| 40        | 32         | 16 | 1000                                       | <b>138 541 309</b> | 0.892          |
| 50        | 40         | 16 | 1600                                       | <b>138 541 310</b> | 1.187          |
| 63        | 50         | 16 | 3100                                       | <b>138 541 311</b> | 2.153          |
| 75        | 65         | 16 | 5000                                       | <b>138 546 312</b> | 5.550          |
| 90        | 80         | 16 | 7000                                       | <b>138 546 313</b> | 8.150          |



| d<br>(mm) | DN<br>(mm) | D   | D1  | D2  | L   | L1 | L3  | L4 | L5 | L6  | H   | H1  | H2 | z   | z1  |
|-----------|------------|-----|-----|-----|-----|----|-----|----|----|-----|-----|-----|----|-----|-----|
| 32        | 25         | 135 | 97  | 82  | 152 | 36 | 93  |    | 34 | 59  | 97  | 34  |    | 223 | 76  |
| 40        | 32         | 157 | 117 | 97  | 170 | 40 | 110 |    | 41 | 69  | 114 | 42  |    | 249 | 82  |
| 50        | 40         | 169 | 117 | 97  | 184 | 44 | 180 |    | 41 | 69  | 120 | 49  |    | 271 | 91  |
| 63        | 50         | 204 | 132 | 117 | 227 | 48 | 128 |    | 49 | 79  | 141 | 62  |    | 321 | 110 |
| 75        | 65         | 235 | 147 | 132 | 276 | 55 | 270 | 70 | 64 | 206 | 194 | 85  | 15 | 386 | 125 |
| 90        | 80         | 255 | 168 | 147 | 297 | 62 | 270 | 70 | 64 | 206 | 200 | 105 | 15 | 421 | 140 |



| d<br>(mm) | DN<br>(mm) | z2<br>(mm) | M  | Closest inch<br>(inch) | Type |
|-----------|------------|------------|----|------------------------|------|
| 32        | 25         | 71         |    | 1                      | 542  |
| 40        | 32         | 85         |    | 1 ¼                    | 542  |
| 50        | 40         | 89         |    | 1 ½                    | 542  |
| 63        | 50         | 101        |    | 2                      | 542  |
| 75        | 65         | 136        | M8 | 2 ½                    | 546  |
| 90        | 80         | 141        | M8 | 3                      | 546  |

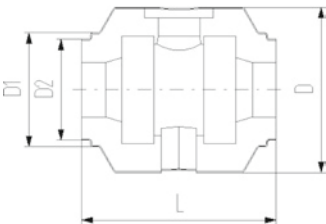
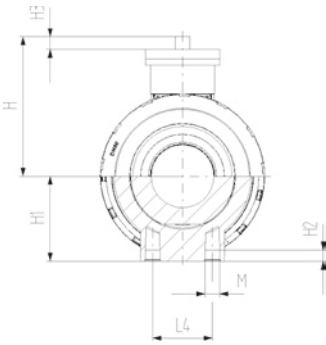
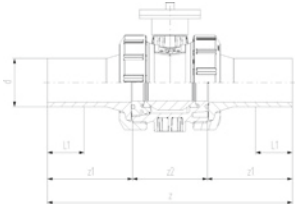




## COOL-FIT 2.0 Ball valve type 546 Pro bare shaft

### Model:

- Material: PVC-U with spigot PE100 SDR11, metric
- Ball seat PTFE
- Integrated stainless steel mounting inserts
- Interface according to DIN EN ISO 5211
- Including insulation half shells



| d<br>(mm) | DN<br>(mm) | PN | kv-value<br>( $\Delta p=1$ bar)<br>(l/min) | SDR | EPDM<br>Code       | Weight<br>(kg) |
|-----------|------------|----|--|-----|--------------------|----------------|
| 32        | 25         | 16 | 700  | 11  | <b>138 546 408</b> | 0.560          |
| 40        | 32         | 16 | 1000                                       | 11  | <b>138 546 409</b> | 0.900          |
| 50        | 40         | 16 | 1600                                       | 11  | <b>138 546 410</b> | 1.190          |
| 63        | 50         | 16 | 3100                                       | 11  | <b>138 546 411</b> | 0.100          |
| 75        | 65         | 16 | 5000                                       | 11  | <b>138 546 412</b> | 5.550          |
| 90        | 80         | 16 | 7000                                       | 11  | <b>138 546 413</b> | 8.150          |

| d<br>(mm) | DN<br>(mm) | D<br>(mm) | D1<br>(mm) | D2<br>(mm) | L<br>(mm) | L1<br>(mm) | H<br>(mm) | H1<br>(mm) | H2<br>(mm) | H3<br>(mm) | z<br>(mm) | z1<br>(mm) | z2<br>(mm) | M  |
|-----------|------------|-----------|------------|------------|-----------|------------|-----------|------------|------------|------------|-----------|------------|------------|----|
| 32        | 25         | 135       | 97         | 82         | 152       | 36         | 72        | 36         | 12         | 11         | 223       | 76         | 71         | M6 |
| 40        | 32         | 157       | 117        | 97         | 170       | 40         | 84        | 44         | 15         | 11         | 249       | 82         | 85         | M8 |
| 50        | 40         | 169       | 117        | 97         | 184       | 44         | 90        | 51         | 15         | 11         | 271       | 91         | 89         | M8 |
| 63        | 50         | 204       | 132        | 117        | 227       | 48         | 105       | 64         | 15         | 10         | 321       | 110        | 101        | M8 |
| 75        | 65         | 235       | 147        | 132        | 276       | 55         | 177       | 85         | 15         | 21         | 386       | 125        | 136        | M8 |
| 90        | 80         | 235       | 168        | 147        | 297       | 62         | 189       | 105        | 15         | 21         | 421       | 140        | 141        | M8 |

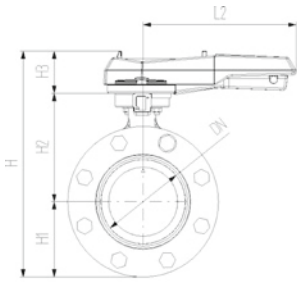
| d<br>(mm) | DN<br>(mm) | Closest inch | Hole pattern<br>(inch) |
|-----------|------------|--------------|------------------------|
| 32        | 25         | 1            | F05/F03                |
| 40        | 32         | 1 ¼          | F05/F03                |
| 50        | 40         | 1 ½          | F05/F03                |
| 63        | 50         | 2            | F05/F03                |
| 75        | 65         | 2 ½          | F07                    |
| 90        | 80         | 3            | F07                    |



### COOL-FIT 2.0 Wafer-style butterfly valve kit type 567 Hand lever with ratchet settings

**Model:**

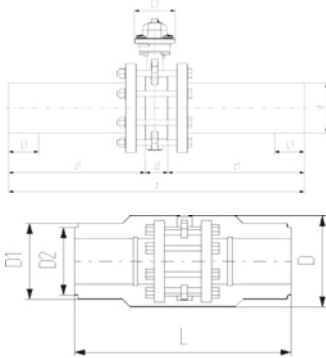
- Material: PVC-U with spigot PE100 SDR11, metric
- Including flange adaptors, backing flanges PP-Steel, bolts and insulation half shells



| d<br>(mm) | DN<br>(mm) | PN | kv-value<br>( $\Delta p=1$ bar)<br>(L/min) | EPDM<br>Code       | Weight<br>(kg) |
|-----------|------------|----|--|--------------------|----------------|
| 110       | 100        | 10 | 6500                                       | <b>138 567 314</b> | 3.500          |
| 140       | 125        | 10 | 11500                                      | <b>138 567 316</b> | 4.500          |

| d<br>(mm) | DN<br>(mm) | D<br>(mm) | D1<br>(mm) | D2<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) | L3<br>(mm) | z<br>(mm) | z1<br>(mm) | z2<br>(mm) | H<br>(mm) | H1<br>(mm) | H2<br>(mm) | H3<br>(mm) |
|-----------|------------|-----------|------------|------------|-----------|------------|------------|------------|-----------|------------|------------|-----------|------------|------------|------------|
| 110       | 100        | 260       | 188        | 168        | 552       | 72         | 255        | 106        | 696       | 320        | 56         | 325       | 104        | 167        | 55         |
| 140       | 125        | 287       | 233        | 208        | 662       | 84         | 255        | 106        | 830       | 383        | 64         | 352       | 117        | 181        | 55         |

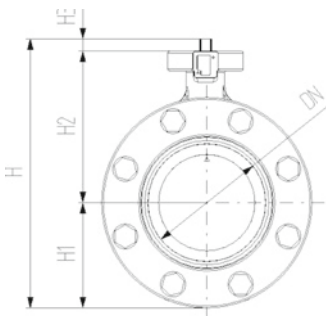
| d<br>(mm) | DN<br>(mm) | closest inch<br>(inch) |
|-----------|------------|------------------------|
| 110       | 100        | 4                      |
| 140       | 125        | 5                      |



### COOL-FIT 2.0 Butterfly valve kit type 567 PVC-U Bare shaft

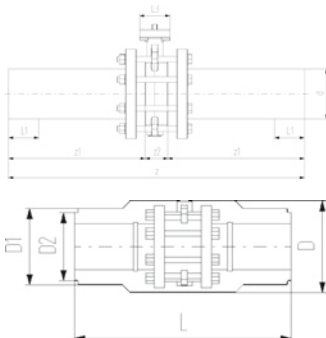
**Model:**

- Material: PVC-U with spigot PE100 SDR11, metric
- Interface F07 according to DIN/ISO 5211
- Including flange adaptors, backing flanges PP-Steel, bolts and insulation half shells



| d<br>(mm) | DN<br>(mm) | PN | kv-value<br>( $\Delta p=1$ bar)<br>(L/min) | EPDM<br>Code       |
|-----------|------------|----|--|--------------------|
| 110       | 100        | 10 | 6500                                       | <b>138 567 414</b> |
| 140       | 125        | 10 | 11500                                      | <b>138 567 416</b> |

| d<br>(mm) | DN<br>(mm) | D<br>(mm) | D1<br>(mm) | D2<br>(mm) | L<br>(mm) | L1<br>(mm) | L3<br>(mm) | z<br>(mm) | z1<br>(mm) | z2<br>(mm) | H1<br>(mm) | H2<br>(mm) | H3<br>(mm) | closest inch<br>(inch) |
|-----------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|------------|------------|------------|------------------------|
| 110       | 100        | 260       | 188        | 168        | 552       | 72         | 106        | 696       | 320        | 56         | 104        | 167        | 55         | 4                      |
| 140       | 125        | 287       | 233        | 208        | 662       | 84         | 106        | 830       | 383        | 64         | 117        | 181        | 55         | 5                      |







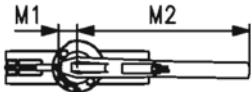
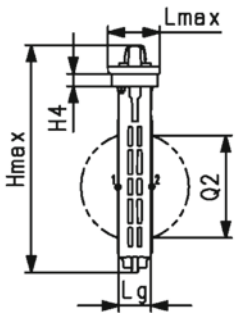
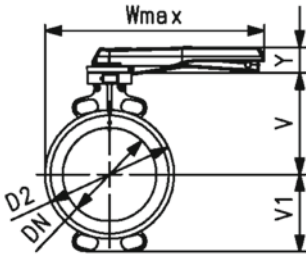
**Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF**  
**With hand lever**  
**Flange standard metric/ANSI/BS/JIS**  
**Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems**

**Model:**

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Lockable ergonomic lever
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

**Option:**

- Individual configuration of the valve possible
- Pneumatic or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback



| DN<br>(mm) | PN<br>(bar) | d<br>(mm) | Size<br>(inch) | kv-value<br>( $\Delta p=1$ bar)<br>(L/min) | EPDM<br>Code       | SP | Weight<br>(kg) | FKM<br>Code        | SP | Weight<br>(kg) |
|------------|-------------|-----------|----------------|--|--------------------|----|----------------|--------------------|----|----------------|
| 50         | 16          | 63        | 2              | 1445                                       | <b>199 565 000</b> | 1  | 1.3            | <b>199 565 020</b> | 1  | 1.4            |
| 65         | 16          | 75        | 2 ½            | 2530                                       | <b>199 565 001</b> | 1  | 1.5            | <b>199 565 021</b> | 1  | 1.6            |
| 80         | 16          | 90        | 3              | 4020                                       | <b>199 565 002</b> | 1  | 1.7            | <b>199 565 022</b> | 1  | 1.8            |
| 100        | 16          | 110       | 4              | 5850                                       | <b>199 565 003</b> | 1  | 2.5            | <b>199 565 023</b> | 1  | 2.7            |
| 125        | 16          | 140       | 5              | 11900                                      | <b>199 565 004</b> | 1  | 3.1            | <b>199 565 024</b> | 1  | 3.3            |
| 150        | 16          | 160       | 6              | 18050                                      | <b>199 565 005</b> | 1  | 4.0            | <b>199 565 025</b> | 1  | 4.3            |
| 200        | 10          | 225       | 8              | 43667                                      | <b>199 565 006</b> | 1  | 5.3            | <b>199 565 026</b> | 1  | 5.7            |

| DN<br>(mm) | D2<br>(mm) | Wmax<br>(mm) | Hmax<br>(mm) | Lmax<br>(mm) | H4<br>(mm) | V<br>(mm) | V1<br>(mm) | Lg<br>(mm) | M1<br>(mm) | M2<br>(mm) | Y<br>(mm) | Q2<br>(mm) |
|------------|------------|--------------|--------------|--------------|------------|-----------|------------|------------|------------|------------|-----------|------------|
| 50         | 100.0      | 264.0        | 249.5        | 96.0         | 23.0       | 133.5     | 63.0       | 43.0       | 35.5       | 204.5      | 53.0      | 28.5       |
| 65         | 121.0      | 271.0        | 275.5        | 96.0         | 23.0       | 140.0     | 82.0       | 46.0       | 35.5       | 204.5      | 53.0      | 44.0       |
| 80         | 138.0      | 273.5        | 288.0        | 96.0         | 23.0       | 146.0     | 89.0       | 46.0       | 35.5       | 204.5      | 53.0      | 63.5       |
| 100        | 158.5      | 334.0        | 324.0        | 96.0         | 23.0       | 166.5     | 104.0      | 52.0       | 35.5       | 254.5      | 53.0      | 84.0       |
| 125        | 187.0      | 348.0        | 351.0        | 96.0         | 23.0       | 180.0     | 118.0      | 56.0       | 35.5       | 254.5      | 53.0      | 110.5      |
| 150        | 213.0      | 426.0        | 372.5        | 96.0         | 23.0       | 189.0     | 130.5      | 56.0       | 35.5       | 319.5      | 53.0      | 137.5      |
| 200        | 267.0      | 453.0        | 422.0        | 96.0         | 23.0       | 209.5     | 159.0      | 60.0       | 35.5       | 319.5      | 53.0      | 190.5      |



**Wafer-style, intermediate installation butterfly valve type 565 PVDF/PA-GF**

**Bare shaft**

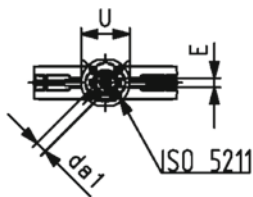
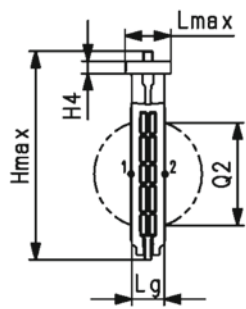
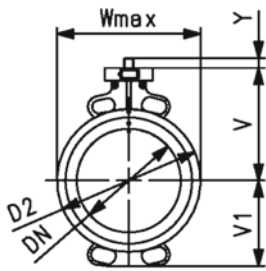
**Flange standard metric/ANSI/BS/JIS Suitable for ABS, PVC-U, PVC-C, ecoFIT, COOL-FIT and PROGEF Systems**

**Model:**

- Installation length: EN558 row 20, ISO 5752 row 20, API 609 table 2
- Flange standards: ISO 7005 PN10/16, EN 1092 PN10/16, DIN 2501 PN10/16, ANSI/ASME B 16.5 Class 150, BS 1560: 1989 Class 125/150; BS 4504 PN10/16, JIS B 2220 10K, JIS B 2239 10K
- For easy installation and removal
- Suitable for water and water treatment applications (e.g. sea water, drinking water and industrial water)

**Option:**

- Individual configuration of the valve possible
- Hand (lockable), pneumatic or electric actuators from GF
- Double sensor for electrical position feedback incl. LED feedback



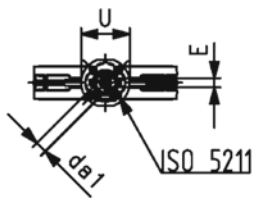
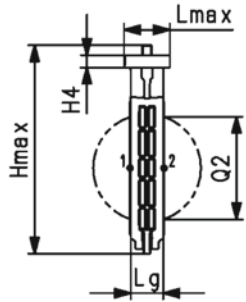
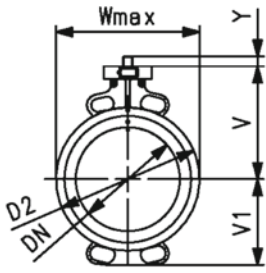
| d<br>(mm) | DN<br>(mm) | Size<br>(inch) | PN<br>(bar) | kv-value<br>( $\Delta p=1$ bar)<br>(L/min) | Acc.to ISO<br>5211 | EPDM<br>Code       | SP | Weight<br>(kg) |
|-----------|------------|----------------|-------------|--|--------------------|--------------------|----|----------------|
| 63        | 50         | 2              | 16          | 1445                                       | F07                | <b>199 565 100</b> | 1  | 0.9            |
| 75        | 65         | 2 ½            | 16          | 2530                                       | F07                | <b>199 565 101</b> | 1  | 1.1            |
| 90        | 80         | 3              | 16          | 4020                                       | F07                | <b>199 565 102</b> | 1  | 1.3            |
| 110       | 100        | 4              | 16          | 5850                                       | F07                | <b>199 565 103</b> | 1  | 2.0            |
| 140       | 125        | 5              | 16          | 11900                                      | F07                | <b>199 565 104</b> | 1  | 2.6            |
| 160       | 150        | 6              | 16          | 18050                                      | F07                | <b>199 565 105</b> | 1  | 3.7            |
| 225       | 200        | 8              | 10          | 43667                                      | F07                | <b>199 565 106</b> | 1  | 4.7            |
| 280       | 250        | 10             | 10          | 62333                                      | F10                | <b>199 565 107</b> | 1  | 8.8            |
| 315       | 300        | 12             | 6           | 94500                                      | F10                | <b>199 565 108</b> | 1  | 12.6           |

| d<br>(mm) | DN<br>(mm) | Size<br>(inch) | FKM<br>Code        | SP | Weight<br>(kg) |
|-----------|------------|----------------|--------------------|----|----------------|
| 63        | 50         | 2              | <b>199 565 120</b> | 1  | 1.0            |
| 75        | 65         | 2 ½            | <b>199 565 121</b> | 1  | 1.2            |
| 90        | 80         | 3              | <b>199 565 122</b> | 1  | 1.4            |
| 110       | 100        | 4              | <b>199 565 123</b> | 1  | 2.2            |
| 140       | 125        | 5              | <b>199 565 124</b> | 1  | 2.9            |
| 160       | 150        | 6              | <b>199 565 125</b> | 1  | 3.8            |
| 225       | 200        | 8              | <b>199 565 126</b> | 1  | 5.2            |
| 280       | 250        | 10             | <b>199 565 127</b> | 1  | 9.5            |
| 315       | 300        | 12             | <b>199 565 128</b> | 1  | 13.7           |

| d<br>(mm) | DN<br>(mm) | Size<br>(inch) | D2<br>(mm) | Wmax<br>(mm) | Lmax<br>(mm) | Hmax<br>(mm) | H4<br>(mm) | V<br>(mm) | V1<br>(mm) | Lg<br>(mm) | da1<br>(mm) | E<br>(mm) | U<br>(mm) | Y<br>(mm) |
|-----------|------------|----------------|------------|--------------|--------------|--------------|------------|-----------|------------|------------|-------------|-----------|-----------|-----------|
| 63        | 50         | 2              | 100.0      | 118.5        | 85.5         | 222.5        | 23.0       | 133.5     | 63.0       | 43.0       | 14.1        | 11.0      | 90.0      | 27.0      |
| 75        | 65         | 2 ½            | 121.0      | 132.5        | 85.5         | 248.5        | 23.0       | 140.0     | 82.0       | 46.0       | 14.1        | 11.0      | 90.0      | 27.0      |
| 90        | 80         | 3              | 138.0      | 138.0        | 85.5         | 261.0        | 23.0       | 146.0     | 89.0       | 46.0       | 14.1        | 11.0      | 90.0      | 27.0      |
| 110       | 100        | 4              | 158.5      | 158.5        | 85.5         | 286.0        | 23.0       | 166.5     | 104.0      | 52.0       | 18.1        | 14.0      | 90.0      | 16.0      |
| 140       | 125        | 5              | 187.0      | 187.0        | 85.5         | 313.5        | 23.0       | 180.0     | 118.0      | 56.0       | 18.1        | 14.0      | 90.0      | 16.0      |
| 160       | 150        | 6              | 213.0      | 213.0        | 85.5         | 337.5        | 23.0       | 189.0     | 130.5      | 56.0       | 22.2        | 17.0      | 90.0      | 19.0      |
| 225       | 200        | 8              | 267.0      | 267.0        | 85.5         | 387.0        | 23.0       | 209.5     | 159.0      | 60.0       | 22.2        | 17.0      | 90.0      | 18.5      |
| 280       | 250        | 10             | 325.5      | 325.5        | 125.0        | 498.5        | 23.0       | 262.5     | 195.5      | 68.0       | 28.2        | 22.0      | 125.0     | 40.5      |
| 315       | 300        | 12             | 380.0      | 380.0        | 125.0        | 555.0        | 23.0       | 284.5     | 230.5      | 78.0       | 28.2        | 22.0      | 125.0     | 40.5      |

| d<br>(mm) | DN<br>(mm) | Size<br>(inch) | Q2<br>(mm) |
|-----------|------------|----------------|------------|
| 63        | 50         | 2              | 28.5       |
| 75        | 65         | 2 ½            | 44.0       |
| 90        | 80         | 3              | 63.5       |
| 110       | 100        | 4              | 84.0       |
| 140       | 125        | 5              | 110.5      |

| d    | DN   | Size   | Q2    |
|------|------|--------|-------|
| (mm) | (mm) | (inch) | (mm)  |
| 160  | 150  | 6      | 137.5 |
| 225  | 200  | 8      | 190.5 |
| 280  | 250  | 10     | 239.0 |
| 315  | 300  | 12     | 285.5 |

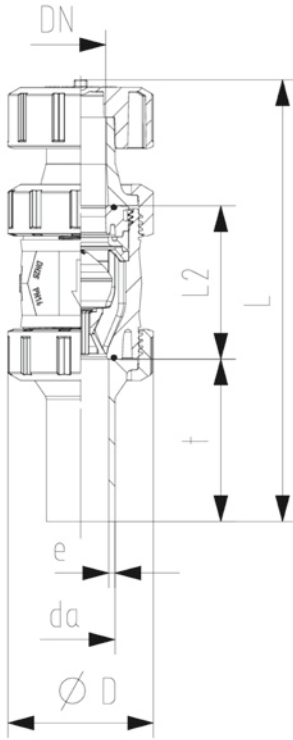




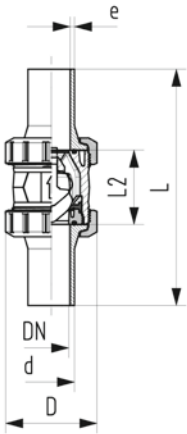
**ecoFIT Ventilating and bleed valve Type 591**  
**With butt fusion spigots long**  
**PE100 SDR11 metric**

**Model:**

- Material: PVC-U/PE
- With protection cap up to DN50 made of PP-GF, DN65-100 made of POM
- Floater made of PP-H
- Designed for easy installation and removal
- Compact installation length



| d    | DN   | PN    | EPDM        | FKM         | D    | L    | L2   | t    | e     | closest inch |
|------|------|-------|-------------|-------------|------|------|------|------|-------|--------------|
| (mm) | (mm) | (bar) | Code        | Code        | (mm) | (mm) | (mm) | (mm) | (mm)  | (inch)       |
| 20   | 15   | 16    | 161 591 121 | 161 591 130 | 50   | 175  | 56   | 69   | 2.25  | ½            |
| 25   | 20   | 16    | 161 591 122 | 161 591 131 | 58   | 195  | 65   | 76   | 2.30  | ¾            |
| 32   | 25   | 16    | 161 591 123 | 161 591 132 | 68   | 207  | 71   | 76   | 2.90  | 1            |
| 40   | 32   | 16    | 161 591 124 | 161 591 133 | 84   | 230  | 85   | 82   | 3.70  | 1 ¼          |
| 50   | 40   | 16    | 161 591 125 | 161 591 134 | 97   | 254  | 89   | 91   | 4.60  | 1 ½          |
| 63   | 50   | 16    | 161 591 126 | 161 591 135 | 124  | 298  | 101  | 110  | 5.80  | 2            |
| 75   | 65   | 16    | 161 591 127 | 161 591 136 | 166  | 334  | 136  | 125  | 6.80  | 2 ½          |
| 90   | 80   | 16    | 161 591 128 | 161 591 137 | 200  | 360  | 141  | 140  | 8.20  | 3            |
| 110  | 100  | 16    | 161 591 129 | 161 591 138 | 238  | 411  | 164  | 160  | 10.00 | 4            |



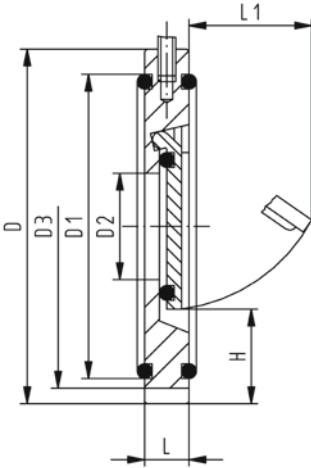
**ecoFIT Check valve type 561 PVC-U**  
**Without spring**  
**With butt fusion spigots long PE100 SDR11 metric**

**Model:**

- Material: PVC-U/PE
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

| d    | DN   | Size   | PN    | kv-value                     | SDR | EPDM               | Weight | FKM                | Weight |
|------|------|--------|-------|------------------------------|-----|--------------------|--------|--------------------|--------|
| (mm) | (mm) | (inch) | (bar) | ( $\Delta p=1 \text{ bar}$ ) |     | Code               | (kg)   | Code               | (kg)   |
| 20   | 15   | ½      | 16    | 180                          | 11  | <b>161 561 142</b> | 0.130  | <b>800 050 344</b> | 0.130  |
| 25   | 20   | ¾      | 16    | 380                          | 11  | <b>161 561 143</b> | 0.260  | <b>800 050 345</b> | 0.250  |
| 32   | 25   | 1      | 16    | 460                          | 11  | <b>161 561 144</b> | 0.300  | <b>800 050 346</b> | 0.320  |
| 40   | 32   | 1 ¼    | 16    | 850                          | 11  | <b>161 561 145</b> | 0.520  | <b>800 050 308</b> | 0.530  |
| 50   | 40   | 1 ½    | 16    | 1080                         | 11  | <b>161 561 146</b> | 0.780  | <b>800 050 347</b> | 0.810  |
| 63   | 50   | 2      | 16    | 1670                         | 11  | <b>161 561 147</b> | 1.410  | <b>800 050 348</b> | 1.530  |
| 75   | 65   | 2 ½    | 10    | 2950                         | 11  | <b>161 561 148</b> | 3.260  | <b>800 050 837</b> | 3.160  |
| 90   | 80   | 3      | 10    | 3600                         | 11  | <b>161 561 149</b> | 5.170  | <b>800 050 838</b> | 5.520  |
| 110  | 100  | 4      | 10    | 4150                         | 11  | <b>161 561 150</b> | 8.310  | <b>800 050 839</b> | 8.930  |

| d    | D    | L    | L2   | e    | closest |
|------|------|------|------|------|---------|
| (mm) | (mm) | (mm) | (mm) | (mm) | inch    |
| 20   | 50   | 193  | 56   | 2.3  | ½       |
| 25   | 58   | 216  | 65   | 2.3  | ¾       |
| 32   | 68   | 223  | 71   | 3.0  | 1       |
| 40   | 84   | 249  | 85   | 3.7  | 1 ¼     |
| 50   | 97   | 271  | 89   | 4.6  | 1 ½     |
| 63   | 124  | 321  | 101  | 5.8  | 2       |
| 75   | 166  | 386  | 136  |      | 2 ½     |
| 90   | 200  | 421  | 141  | 8.2  | 3       |
| 110  | 238  | 484  | 164  | 10.0 | 4       |



## Wafer check valve type 369 PVC-U Without spring

### Model:

- Supporting eyelets for simple fitting
- Suitable for vertical and horizontal mounting

### Installation instruction:

- Installation between ISO/DIN (all dimensions) and ANSI/BS flange adaptors (all except DN32 and DN125)
- Installation with ANSI/BS flange adaptor: for wafer check valves DN40 to DN80 you have to use ANSI/BS flange adaptors with the next bigger dimension (example DN40 wafer check valve between DN50 ANSI/BS flange adaptor)
- Centering by body diameter (ISO/DIN by D3, ANSI/BS by D)
- Sealing with special flange gasket (except DN32, o-ring)
- A stabilizing zone of at least 5 times nominal diameter (DN) should be provided before and after the wafer check valve (10 times DN is recommended)
- No direct installation on pump flange or following bend allowed
- The using of PVC-U pipe PN16 is only possible up to d63
- Wafer check valves without reset spring are not recommended for pulsating flows (production of noise)

| d<br>(mm) | DN<br>(mm) | Size<br>(inch) | PN<br>(bar) | EPDM<br>Code | SP<br>Weight<br>(kg) | FKM<br>Code | SP<br>Weight<br>(kg) |
|-----------|------------|----------------|-------------|--------------|----------------------|-------------|----------------------|
| 40        | 32         | 1 ¼            | 10          | 161 369 002  | 1                    | 161 369 022 | 1                    |
| 50        | 40         | 1 ½            | 10          | 161 369 003  | 1                    | 161 369 023 | 1                    |
| 63        | 50         | 2              | 10          | 161 369 004  | 1                    | 161 369 024 | 1                    |
| 75        | 65         | 2 ½            | 10          | 161 369 005  | 1                    | 161 369 025 | 1                    |
| 90        | 80         | 3              | 10          | 161 369 006  | 1                    | 161 369 026 | 1                    |
| 110       | 100        | 4              | 10          | 161 369 007  | 1                    | 161 369 027 | 1                    |
| 140       | 125        | 5              | 10          | 161 369 009  | 1                    | 161 369 029 | 1                    |
| 160       | 150        | 6              | 6           | 161 369 010  | 1                    | 161 369 030 | 1                    |
| 225       | 200        | 8              | 6           | 161 369 011  | 1                    | 161 369 031 | 1                    |
| 280       | 250        | 10             | 6           | 161 369 012  | 1                    | 161 369 032 | 1                    |
| 315       | 300        | 12             | 6           | 161 369 013  | 1                    | 161 369 033 | 1                    |

| d<br>(mm) | D<br>(mm) | D1<br>(mm) | D2<br>(mm) | D3<br>(mm) | L<br>(mm) | L1<br>(mm) | H<br>(mm) | Opening<br>pressure<br>vertical<br>(mbar) | Opening pres-<br>sure horizontal<br>(mbar) | Minimum<br>water col-<br>umn for seal-<br>ing<br>(m) |
|-----------|-----------|------------|------------|------------|-----------|------------|-----------|---|--|--|
| 40        | 85        | 59         | 18         |            | 15        | 22         | 25        | 10  | 1  | 2  |
| 50        | 105       | 77         | 22         | 95         | 16        | 27         | 27        | 10  | 1  | 2  |
| 63        | 124       | 92         | 32         | 109        | 18        | 40         | 29        | 10  | 1  | 2  |
| 75        | 137       | 111        | 40         | 129        | 20        | 55         | 31        | 10  | 1  | 2  |
| 90        | 175       | 131        | 54         | 144        | 20        | 67         | 32        | 10  | 1  | 2  |
| 110       | 175       | 153        | 70         | 164        | 23        | 77         | 31        | 10  | 1  | 2  |
| 140       | 195       | 185        | 92         |            | 23        | 94         | 35        | 10  | 1  | 2  |
| 160       | 222       | 198        | 105        | 220        | 26        | 100        | 41        | 10  | 1  | 2  |
| 225       | 279       | 259        | 154        | 275        | 34        | 152        | 38        | 18  | 1  | 2  |
| 280       | 340       | 311        | 192        | 330        | 40        | 180        | 41        | 18  | 1  | 2  |
| 315       | 410       | 347        | 227        | 380        | 45        | 215        | 41        | 18  | 1  | 2  |



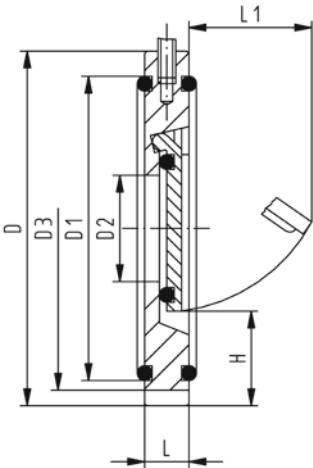
**Wafer check valve type 369 PVC-U  
With V4A spring (stainless steel 316)**

**Model:**

- Supporting eyelets for simple fitting
- Suitable for vertical and horizontal mounting

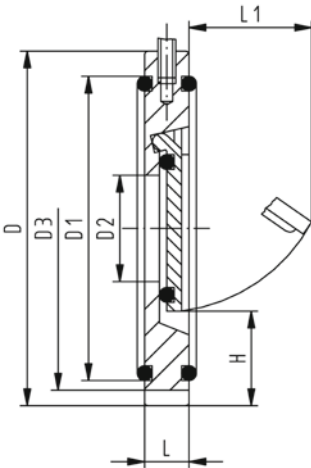
**Installation instruction:**

- Installation between ISO/DIN (all dimensions) and ANSI/BS flange adaptors (all except DN32 and DN125)
- Installation with ANSI/BS flange adaptor: for wafer check valves DN40 to DN80 you have to use ANSI/BS flange adaptors with the next bigger dimension (example DN40 wafer check valve between DN50 ANSI/BS flange adaptor)
- Centering by body diameter (ISO/DIN by D3, ANSI/BS by D)
- Sealing with special flange gasket (except DN32, o-ring)
- A stabilizing zone of at least 5 times nominal diameter (DN) should be provided before and after the wafer check valve (10 times DN is recommended)
- No direct installation on pump flange or following bend allowed
- The using of PVC-U pipe PN16 is only possible up to d63



| d<br>(mm) | DN<br>(mm) | Size<br>(inch) | PN<br>(bar) | EPDM<br>Code | SP | Weight<br>(kg) | FKM<br>Code | SP | Weight<br>(kg) |
|-----------|------------|----------------|-------------|--------------|----|----------------|-------------|----|----------------|
| 40        | 32         | 1 ¼            | 10          | 161 369 042  | 1  | 0.130          | 161 369 062 | 1  | 0.107          |
| 50        | 40         | 1 ½            | 10          | 161 369 043  | 1  | 0.160          | 161 369 063 | 1  | 0.206          |
| 63        | 50         | 2              | 10          | 161 369 044  | 1  | 0.273          | 161 369 064 | 1  | 0.250          |
| 75        | 65         | 2 ½            | 10          | 161 369 045  | 1  | 0.357          | 161 369 065 | 1  | 0.320          |
| 90        | 80         | 3              | 10          | 161 369 046  | 1  | 0.561          | 161 369 066 | 1  | 0.390          |
| 110       | 100        | 4              | 10          | 161 369 047  | 1  | 0.651          | 161 369 067 | 1  | 0.684          |
| 140       | 125        | 5              | 10          | 161 369 049  | 1  | 0.791          | 161 369 069 | 1  | 0.750          |
| 160       | 150        | 6              | 6           | 161 369 050  | 1  | 1.171          | 161 369 070 | 1  | 1.100          |
| 225       | 200        | 8              | 6           | 161 369 051  | 1  | 2.252          | 161 369 071 | 1  | 2.100          |
| 280       | 250        | 10             | 6           | 161 369 052  | 1  | 3.790          | 161 369 072 | 1  | 3.500          |
| 315       | 300        | 12             | 6           | 161 369 053  | 1  | 6.274          | 161 369 073 | 1  | 5.300          |

| d<br>(mm) | D<br>(mm) | D1<br>(mm) | D2<br>(mm) | D3<br>(mm) | L<br>(mm) | L1<br>(mm) | H<br>(mm) | Opening<br>pressure<br>vertical<br>(mbar) | Opening pres-<br>sure horizontal<br>(mbar) | Minimum<br>water col-<br>umn for seal-<br>ing<br>(m) |
|-----------|-----------|------------|------------|------------|-----------|------------|-----------|---|--|--|
| 40        | 85        | 59         | 18         |            | 15        | 22         | 25        | 30  | 20   | 2  |
| 50        | 105       | 77         | 22         | 95         | 16        | 27         | 27        | 30  | 20   | 2  |
| 63        | 124       | 92         | 32         | 109        | 18        | 40         | 29        | 30  | 20   | 2  |
| 75        | 137       | 111        | 40         | 129        | 20        | 55         | 31        | 30  | 20   | 2  |
| 90        | 175       | 131        | 54         | 144        | 20        | 67         | 32        | 30  | 20   | 2  |
| 110       | 175       | 153        | 70         | 164        | 23        | 77         | 31        | 30  | 20   | 2  |
| 140       | 195       | 185        | 92         |            | 23        | 94         | 35        | 30  | 20   | 2  |
| 160       | 222       | 198        | 105        | 220        | 26        | 100        | 41        | 30  | 20   | 2  |
| 225       | 279       | 259        | 154        | 275        | 34        | 152        | 38        | 38  | 20   | 2  |
| 280       | 340       | 311        | 192        | 330        | 40        | 180        | 41        | 38  | 20   | 2  |
| 315       | 410       | 347        | 227        | 380        | 45        | 215        | 41        | 38  | 20   | 2  |



## Wafer check valve type 369 PVC-U With Hastelloy C spring

### Model:

- Supporting eyelets for simple fitting
- Suitable for vertical and horizontal mounting

### Installation instruction:

- Installation between ISO/DIN (all dimensions) and ANSI/BS flange adaptors (all except DN32 and DN125)
- Installation with ANSI/BS flange adaptor: for wafer check valves DN40 to DN80 you have to use ANSI/BS flange adaptors with the next bigger dimension (example DN40 wafer check valve between DN50 ANSI/BS flange adaptor)
- Centering by body diameter (ISO/DIN by D3, ANSI/BS by D)
- Sealing with special flange gasket (except DN32, o-ring)
- A stabilizing zone of at least 5 times nominal diameter (DN) should be provided before and after the wafer check valve (10 times DN is recommended)
- No direct installation on pump flange or following bend allowed
- The using of PVC-U pipe PN16 is only possible up to d63

| d<br>(mm) | DN<br>(mm) | Size<br>(inch) | PN<br>(bar) | EPDM<br>Code | SP<br>Weight<br>(kg) | FKM<br>Code | SP<br>Weight<br>(kg) |
|-----------|------------|----------------|-------------|--------------|----------------------|-------------|----------------------|
| 40        | 32         | 1 ¼            | 10          | 161 369 082  | 1                    | 161 369 102 | 1                    |
| 50        | 40         | 1 ½            | 10          | 161 369 083  | 1                    | 161 369 103 | 1                    |
| 63        | 50         | 2              | 10          | 161 369 084  | 1                    | 161 369 104 | 1                    |
| 75        | 65         | 2 ½            | 10          | 161 369 085  | 1                    | 161 369 105 | 1                    |
| 90        | 80         | 3              | 10          | 161 369 086  | 1                    | 161 369 106 | 1                    |
| 110       | 100        | 4              | 10          | 161 369 087  | 1                    | 161 369 107 | 1                    |
| 140       | 125        | 5              | 10          | 161 369 089  | 1                    | 161 369 109 | 1                    |
| 160       | 150        | 6              | 6           | 161 369 090  | 1                    | 161 369 110 | 1                    |
| 225       | 200        | 8              | 6           | 161 369 091  | 1                    | 161 369 111 | 1                    |
| 280       | 250        | 10             | 6           | 161 369 092  | 1                    | 161 369 112 | 1                    |
| 315       | 300        | 12             | 6           | 161 369 093  | 1                    | 161 369 113 | 1                    |

| d<br>(mm) | D<br>(mm) | D1<br>(mm) | D2<br>(mm) | D3<br>(mm) | L<br>(mm) | L1<br>(mm) | H<br>(mm) | Opening<br>pressure<br>vertical<br>(mbar) | Opening pres-<br>sure horizontal<br>(mbar) | Minimum<br>water col-<br>umn for seal-<br>ing<br>(m) |
|-----------|-----------|------------|------------|------------|-----------|------------|-----------|---|--|--|
| 40        | 85        | 59         | 18         |            | 15        | 22         | 25        | 30  | 20   | 2  |
| 50        | 105       | 77         | 22         | 95         | 16        | 27         | 27        | 30  | 20   | 2  |
| 63        | 124       | 92         | 32         | 109        | 18        | 40         | 29        | 30  | 20   | 2  |
| 75        | 137       | 111        | 40         | 129        | 20        | 55         | 31        | 30  | 20   | 2  |
| 90        | 175       | 131        | 54         | 144        | 20        | 67         | 32        | 30  | 20   | 2  |
| 110       | 175       | 153        | 70         | 164        | 23        | 77         | 31        | 30  | 20   | 2  |
| 140       | 195       | 185        | 92         |            | 23        | 94         | 35        | 30  | 20   | 2  |
| 160       | 222       | 198        | 105        | 220        | 26        | 100        | 41        | 30  | 20   | 2  |
| 225       | 279       | 259        | 154        | 275        | 34        | 152        | 38        | 38  | 20   | 2  |
| 280       | 340       | 311        | 192        | 330        | 40        | 180        | 41        | 38  | 20   | 2  |
| 315       | 410       | 347        | 227        | 380        | 45        | 215        | 41        | 38  | 20   | 2  |





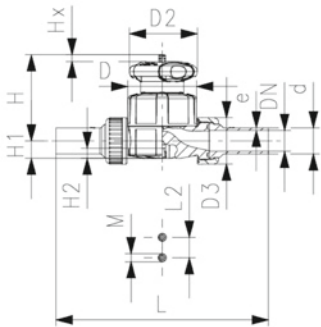
**ecoFIT Diaphragm valve type 514**  
**With butt and electro fusion ends PE100 SDR11 metric**

**Model:**

- Material: PVC-U/PE
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

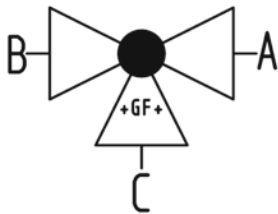
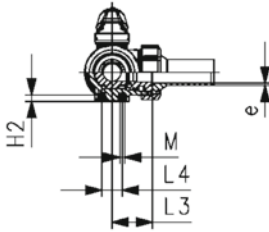
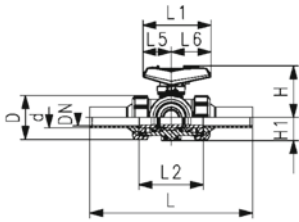
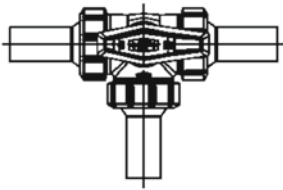
**Option:**

- Individual configuration of the valve
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



| d<br>(mm) | DN<br>(mm) | Size<br>(inch) | PN<br>(bar) | kv-value<br>( $\Delta p=1$ bar)<br>(l/min) | EPDM<br>Code       | Weight<br>(kg) |
|-----------|------------|----------------|-------------|--|--------------------|----------------|
| 20        | 15         | ½              | 10          | 125  | <b>161 514 312</b> | 0.357          |
| 25        | 20         | ¾              | 10          | 271  | <b>161 514 313</b> | 0.431          |
| 32        | 25         | 1              | 10          | 481  | <b>161 514 314</b> | 0.683          |
| 40        | 32         | 1 ¼            | 10          | 759  | <b>161 514 315</b> | 1.443          |
| 50        | 40         | 1 ½            | 10          | 1263                                       | <b>161 514 316</b> | 1.663          |
| 63        | 50         | 2              | 10          | 1728                                       | <b>161 514 317</b> | 2.568          |

| d<br>(mm) | D<br>(mm) | D2<br>(mm) | D3<br>(mm) | L<br>(mm) | L2<br>(mm) | H<br>(mm) | H1<br>(mm) | H2<br>(mm) | M  | Lift =<br>Hx<br>(mm) | e<br>(mm) | closest<br>inch<br>(inch) |
|-----------|-----------|------------|------------|-----------|------------|-----------|------------|------------|----|----------------------|-----------|---------------------------|
| 20        | 65        | 65         | 43         | 196       | 25         | 73        | 14         | 12         | M6 | 7                    | 1.9       | ½                         |
| 25        | 80        | 65         | 51         | 221       | 25         | 81        | 18         | 12         | M6 | 10                   | 2.3       | ¾                         |
| 32        | 88        | 87         | 58         | 234       | 25         | 107       | 22         | 12         | M6 | 13                   | 2.9       | 1                         |
| 40        | 101       | 87         | 72         | 260       | 45         | 115       | 26         | 15         | M8 | 15                   | 3.7       | 1 ¼                       |
| 50        | 117       | 135        | 83         | 284       | 45         | 148       | 32         | 15         | M8 | 19                   | 4.6       | 1 ½                       |
| 63        | 144       | 135        | 100        | 321       | 45         | 166       | 39         | 15         | M8 | 25                   | 5.8       | 2                         |



**ecoFIT 3-Way ball valve type 543 Pro PVC-U**  
**Horizontal/L-port**  
**With butt fusion spigots long PE100 SDR11 metric**

**Model:**

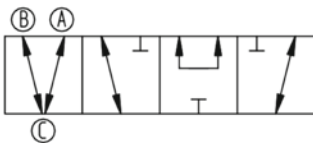
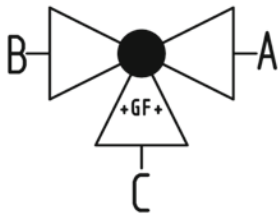
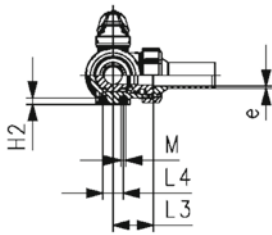
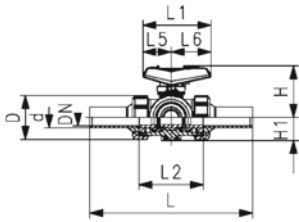
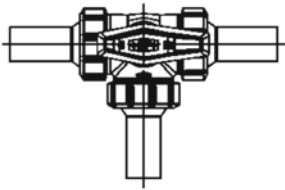
- Material: PVC-U/PE
- Lockable lever as standard (DN10-DN50)
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seat PTFE
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-C opened, see flow scheme
- Z-dimension, valve end and union nut are compatible with type 543 (1stGeneration)

**Option:**

- Interface-module with position feedback sensor, incl. LED feedback (DN10-50)
- Manual spring return lever ("Dead man") (DN10-25)
- Pneumatic or electric actuators from GF
- Individual configuration of the valve possible

| d    | DN   | Size   | PN    | kv-value            | EPDM               | Weight | FKM                | Weight |
|------|------|--------|-------|---------------------|--------------------|--------|--------------------|--------|
| (mm) | (mm) | (inch) | (bar) | ( $\Delta p=1$ bar) | Code               | (kg)   | Code               | (kg)   |
|      |      |        |       | (l/min)             |                    |        |                    |        |
| 20   | 15   | ½      | 10    | 75                  | <b>161 543 462</b> | 0.254  | <b>161 543 472</b> | 0.254  |
| 25   | 20   | ¾      | 10    | 150                 | <b>161 543 463</b> | 0.370  | <b>161 543 473</b> | 0.370  |
| 32   | 25   | 1      | 10    | 280                 | <b>161 543 464</b> | 0.563  | <b>161 543 474</b> | 0.563  |
| 40   | 32   | 1 ¼    | 10    | 480                 | <b>161 543 465</b> | 0.953  | <b>161 543 475</b> | 0.953  |
| 50   | 40   | 1 ½    | 10    | 620                 | <b>161 543 466</b> | 1.444  | <b>161 543 476</b> | 1.444  |
| 63   | 50   | 2      | 10    | 1230                | <b>161 543 467</b> | 3.141  | <b>161 543 477</b> | 3.141  |

| d    | D    | L    | L1   | L2   | L3   | L4   | L5   | L6   | H    | H1   | H2   | M    | e    | closest |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|
| (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | inch    |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      | (inch)  |
| 20   | 50   | 210  | 82   | 73   | 36   | 25   | 35   | 47   | 61   | 28   | 8    | 6    | 1.9  | ½       |
| 25   | 58   | 237  | 106  | 86   | 43   | 25   | 44   | 62   | 74   | 32   | 8    | 6    | 2.3  | ¾       |
| 32   | 68   | 251  | 106  | 99   | 50   | 25   | 44   | 62   | 80   | 36   | 8    | 6    | 2.9  | 1       |
| 40   | 84   | 283  | 131  | 120  | 60   | 45   | 57   | 74   | 95   | 45   | 9    | 8    | 3.7  | 1 ¼     |
| 50   | 97   | 319  | 131  | 137  | 69   | 45   | 57   | 74   | 102  | 51   | 9    | 8    | 4.6  | 1 ½     |
| 63   | 124  | 399  | 152  | 179  | 89   | 45   | 66   | 86   | 117  | 65   | 9    | 8    | 5.8  | 2       |



**ecoFIT 3-Way ball valve type 543 Pro PVC-U**  
**Horizontal/T-port**  
**With butt fusion spigots long PE100 SDR11 metric**

**Model:**

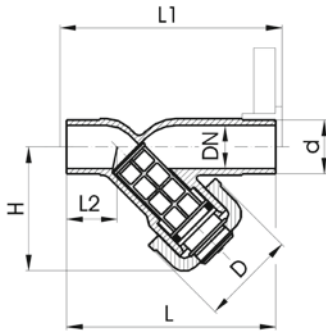
- Material: PVC-U/PE
- Lockable lever as standard (DN10-DN50)
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seat PTFE
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-B-C opened, see flow scheme
- Z-dimension, valve end and union nut are compatible with type 543 (1stGeneration)

**Option:**

- Interface-module with position feedback sensor, incl. LED feedback (DN10-50)
- Manual spring return lever ("Dead man") (DN10-25)
- Pneumatic or electric actuators from GF
- Individual configuration of the valve possible

| d    | DN   | Size   | PN    | kv-value            | EPDM               | Weight | FKM                | Weight |
|------|------|--------|-------|---------------------|--------------------|--------|--------------------|--------|
| (mm) | (mm) | (inch) | (bar) | ( $\Delta p=1$ bar) | Code               | (kg)   | Code               | (kg)   |
| 20   | 15   | ½      | 10    | 200                 | <b>161 543 482</b> | 0.253  | <b>161 543 492</b> | 0.253  |
| 25   | 20   | ¾      | 10    | 470                 | <b>161 543 483</b> | 0.368  | <b>161 543 493</b> | 0.368  |
| 32   | 25   |        | 10    | 793                 | <b>161 543 484</b> | 0.556  | <b>161 543 494</b> | 0.556  |
| 40   | 32   | 1 ¼    | 10    | 1290                | <b>161 543 485</b> | 0.942  | <b>161 543 495</b> | 0.942  |
| 50   | 40   | 1 ½    | 10    | 1910                | <b>161 543 486</b> | 1.423  | <b>161 543 496</b> | 1.423  |
| 63   | 50   | 2      | 10    | 3100                | <b>161 543 487</b> | 2.770  | <b>161 543 497</b> | 3.096  |

| d    | D    | L    | L1   | L2   | L3   | L4   | L5   | L6   | H    | H1   | H2   | M    | e    | closest |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|
| (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | inch    |
| 20   | 50   | 210  | 82   | 73   | 36   | 25   | 35   | 47   | 61   | 28   | 8    | 6    | 1.9  | ½       |
| 25   | 58   | 237  | 106  | 86   | 43   | 25   | 44   | 62   | 74   | 32   | 8    | 6    | 2.3  | ¾       |
| 32   | 68   | 251  | 106  | 99   | 50   | 25   | 44   | 62   | 80   | 36   | 8    | 6    | 2.9  | 1       |
| 40   | 84   | 283  | 131  | 120  | 60   | 45   | 57   | 74   | 95   | 45   | 9    | 8    | 3.7  | 1 ¼     |
| 50   | 97   | 319  | 131  | 137  | 69   | 45   | 57   | 74   | 102  | 51   | 9    | 8    | 4.6  | 1 ½     |
| 63   | 124  | 399  | 152  | 179  | 89   | 45   | 66   | 86   | 117  | 65   | 9    | 8    | 5.8  | 2       |



**Line strainer type 305 PVC-U**  
**With solvent cement spigots metric**

**Model:**

- Protects valves, pumps, etc. from becoming soiled
- Easy dismantling for cleaning the screens
- **Screen perforation need be ordered separately**
- Overall length according to EN 558

| d<br>(mm) | DN<br>(mm) | Size<br>(inch) | PN<br>(bar) | EPDM<br>Code       | SP | Weight<br>(kg) | FKM<br>Code        | SP | Weight<br>(kg) |
|-----------|------------|----------------|-------------|--------------------|----|----------------|--------------------|----|----------------|
| 20        | 15         | ½              | 10          | <b>161 305 300</b> | 1  | 0.101          | <b>161 305 349</b> | 1  | 0.134          |
| 25        | 20         | ¾              | 10          | <b>161 305 350</b> | 1  | 0.141          | <b>161 305 399</b> | 1  | 0.215          |
| 32        | 25         | 1              | 10          | <b>161 305 400</b> | 1  | 0.226          | <b>161 305 449</b> | 1  | 0.257          |
| 40        | 32         | 1 ¼            | 10          | <b>161 305 450</b> | 1  | 0.348          | <b>161 305 499</b> | 1  | 0.386          |
| 50        | 40         | 1 ½            | 10          | <b>161 305 500</b> | 1  | 0.600          | <b>161 305 549</b> | 1  | 0.632          |
| 63        | 50         | 2              | 10          | <b>161 305 550</b> | 1  | 0.985          | <b>161 305 599</b> | 1  | 1.045          |
| 75        | 65         | 2 ½            | 10          | <b>161 305 600</b> | 1  | 1.868          | <b>161 305 649</b> | 1  | 1.871          |
| 90        | 80         | 3              | 10          | <b>161 305 650</b> | 1  | 2.590          | <b>161 305 699</b> | 1  | 2.585          |

| d<br>(mm) | D<br>(mm) | H<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) | closest<br>inch<br>(inch) |
|-----------|-----------|-----------|-----------|------------|------------|---------------------------|
| 20        | 43        | 65        | 124       | 130        | 28         | ½                         |
| 25        | 47        | 76        | 144       | 150        | 37         | ¾                         |
| 32        | 56        | 90        | 154       | 160        | 37         | 1                         |
| 40        | 64        | 104       | 174       | 180        | 44         | 1 ¼                       |
| 50        | 82        | 124       | 194       | 200        | 48         | 1 ½                       |
| 63        | 95        | 148       | 224       | 230        | 60         | 2                         |
| 75        | 106       | 188       | 284       | 290        | 74         | 2 ½                       |
| 90        | 120       | 205       | 300       | 310        | 85         | 3                         |

# COOL-FIT 2.0 Accessories

## Tools



### COOL-FIT 2.0/4.0 Foam removal and peeling tool

**Model:**

- Tool for foam removal and peeling of COOL-FIT 2.0 and 4.0 pipes

| d<br>(mm) | Code               | Weight<br>(kg) | SDR                                       |
|-----------|--------------------|----------------|---|
| 32-90     | <b>799 738 001</b> | 10.500         | SDR11                                     |
| 110-225   | <b>799 738 003</b> | 16.500         | d110+d140<br>SDR11;<br>d160+d225<br>SDR17 |
| 250-450   | <b>799 738 004</b> | 71.000         | SDR17                                     |



### COOL-FIT 2.0/4.0 Upgrade kit foam removal and peeling tool d140-d225

**Model:**

- Upgrade for COOL-FIT 2.0/4.0 foam removal and peeling tool d110-d225 (799738003)
- For easier foam removal and peeling of COOL-FIT 2.0 and 4.0 pipes in the dimensions d140-d225

**Note:**

Spindle and clamping shoes are to be used of COOL-FIT 2.0/4.0 foam removal and peeling tool 799738003

| d<br>(mm) | Code               | Weight<br>(kg) |
|-----------|--------------------|----------------|
| 140-225   | <b>799 738 013</b> | 50.000         |

### MSA 2.1 Automatic Electrofusion Unit with protocols retrieval



The MSA 2.1 automatic electro fusion unit combines light weight and high efficiency, thanks to its inverter technology and furthermore provides fusion documentation in PDF. The unit is extremely fast and simple, with three basic operations required to operator: connect, scan, start the fusion. It is robust, safe and ergonomic.

All is meant to simplify the job: the barcode scanner, for long distance reading, the cooling system to joint in series, the icon system, to keep the interaction between user and machine intuitive. The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time.

The internal Bluetooth Low Energy device offers the possibility to enter data, monitor the fusion from remote and collect the data recorded via wireless with consumer smartphones, to send them to the headquarter even in real time.

The unit has 1000 protocols permanently stored in the internal memory. The user can copy the fusion reports in an USB stick to print them out in PDF format.

Scope of delivery includes: transport box, angle adapters (4.0 mm and 4.7 mm), operating instructions, START/STOP badge and USB memory stick with PC applications.

#### Technical Data:

- Operating temperature: -20°C to +50°C
- Mains voltage and frequency: 230V (190V - 265V), 50-60Hz
- Fusion voltage: 8-42 V (48 V)
- Fusion data input mode: bar code, manual
- Fusion current: 90 A (max)
- Suggested power generators: 3.5 kVA
- USB Port: Type A
- Protection factor: Class 1 / IP 65
- Mains cable: 4 m / Fusion cable: 4 m
- Weight: ca. 11.9 kg
- Display: Graphical LCD, adjustable contrast
- Independent from languages
- Bluetooth radio interface

|   | Type | Code               | Weight<br>(kg) |
|---|------|--------------------|----------------|
| Barcode scanner, transport case, mini Welding Book                  |      | <b>790 156 003</b> | 11.900         |
| Barcode scanner, transport case, mini Welding Book, Swiss plug      |      | <b>790 156 006</b> | 11.900         |
| Barcode scanner, transport case, mini Welding Book, 8m fusion cable |      | <b>790 156 010</b> | 12.900         |
| Barcode scanner, transport case, mini Welding Book, German version  |      | <b>790 156 009</b> | 19.500         |



### COOL-FIT 2.0/4.0 Installation tool weld-in port

#### Model:

- Tool for the installation of weld-in ports to COOL-FIT pipes
- Complete: toolcase equipped with all necessary tool components to install weld-in ports 1/2"-1" and d16-d50
- Basic: toolcase equipped with all necessary tool components to install weld-in ports 1/2"-1" and d16-d32 and the possibility to upgrade with d40+d50
- Upgrade kit: kit to upgrade basic tool to complete tool
- Version 230V with AC power plug CEE 7/4 (Schuko)
- Version 110V with AC power plug NEMA 5-15 grounded (Type B)

#### Note:

For pipes COOL-FIT 2.0, COOL-FIT 2.0F, COOL-FIT 4.0 and COOL-FIT 4.0F of the dimension d63-d225

| Description | Voltage | Code               | Weight<br>(kg) |
|-------------|---------|--------------------|----------------|
| Komplett    | 230 V   | <b>799 738 300</b> | 20.000         |
| Basis       | 230 V   | <b>799 738 301</b> | 14.100         |
| Komplett    | 110 V   | <b>799 738 302</b> | 20.000         |
| Basis       | 110 V   | <b>799 738 303</b> | 14.100         |
| upgrade kit |         | <b>799 738 310</b> | 6.600          |



### Clamping tool Double, multi size with universal link

- Recommended for the installation of fittings ELGEF Plus and ecoFIT d40 - 200 and d160 - 630mm
- Recommended for the installation of fittings COOL-FIT d32/D75 - d140/D200 and d160/D250 - d450/D630
- The clamping allows installation without tension and avoids movement during fusion and cooling time
- The centrally located adjustable universal link allows installation of electrofusion couplers, elbows and reducers
- Works above, below and alongside the joint
- Adaptor for use with Tee-pieces available (see accessories)

| d<br>(mm) | d1<br>(mm) | Code               | Weight<br>(kg) |
|-----------|------------|--------------------|----------------|
| 40        | 200        | <b>799 301 490</b> | 4.200          |
| 160       | 630        | <b>799 301 496</b> | 14.100         |

| d<br>(mm) | Description   | Length<br>(mm) | Width<br>(mm) | Height<br>(mm) |
|-----------|---|----------------|---------------|----------------|
| 40        | Scope of delivery: 2 x V-block, 2 x Straight bar, 1 x Universal link, Transport bag (600x380x250) | 900            | 290           | 230            |
| 160       | Scope of delivery: 2 x V-block, 2 x Straight bar, 1 x Universal link, Transport bag (780x780x580) | 1300           | 670           | 550            |



### Clamping tool Quadruple, multi size with universal link

- Recommended for the installation of fittings ELGEF Plus and ecoFIT d40 - 200 and d160 - 630mm
- Recommended for the installation of fittings COOL-FIT d32/D75 - d140/D200 and d160/D250 - d450/D630
- The clamping allows installation without tension and avoids movement during fusion and cooling time
- The centrally located adjustable universal link allows installation of electrofusion couplers, elbows and reducers
- Universal use; works above, below and alongside the joint
- Adaptor for use with Tee-pieces available (see accessories)

| d<br>(mm) | d1<br>(mm) | Code               | Weight<br>(kg) |
|-----------|------------|--------------------|----------------|
| 40        | 200        | <b>799 301 489</b> | 8.300          |
| 160       | 630        | <b>799 301 495</b> | 23.300         |

| d<br>(mm) | Description  | Length<br>(mm) | Width<br>(mm) | Height<br>(mm) |
|-----------|--|----------------|---------------|----------------|
| 40        | Scope of delivery: 4 x V-block, 2 x Straight bar, 1 x Universal link | 900            | 290           | 230            |
| 160       | Scope of delivery: 4 x V-block, 2 x Straight bar, 1 x Universal link | 1300           | 670           | 550            |



### Tee adaptor

- Suitable for clamping tool (799301495)

| d<br>(mm) | d1<br>(mm) | Code               | Weight<br>(kg) | Description | Length<br>(mm) | Width<br>(mm) | Height<br>(mm) |
|-----------|------------|--------------------|----------------|-------------|----------------|---------------|----------------|
| 40        | 200        | <b>799 301 491</b> | 0.610          | Tee adaptor | 600            | 50            | 40             |
| 160       | 630        | <b>799 301 497</b> | 3.500          | Tee adaptor | 1070           | 75            | 60             |



### V-block

- Suitable for clamping tool (799301495)

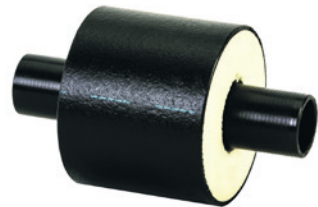
| d<br>(mm) | d1<br>(mm) | Code               | Weight<br>(kg) | Description      | Length<br>(mm) | Width<br>(mm) | Height<br>(mm) |
|-----------|------------|--------------------|----------------|------------------|----------------|---------------|----------------|
| 40        | 200        | <b>799 301 492</b> | 1.000          | V-block complete | 290            | 230           | 65             |
| 160       | 630        | <b>799 301 498</b> | 3.200          | V-block complete | 660            | 430           | 90             |



### Bar extension

- Suitable for clamping tool (799301495)

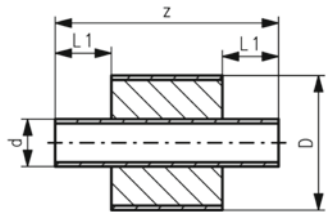
| d<br>(mm) | d1<br>(mm) | Code               | Weight<br>(kg) | Description   | Length<br>(mm) | Width<br>(mm) | Height<br>(mm) |
|-----------|------------|--------------------|----------------|---------------|----------------|---------------|----------------|
| 160       | 630        | <b>799 301 499</b> | 1.000          | Bar extension | 1000           | 40            | 40             |



### COOL-FIT 2.0 Barrel nipple with insulation, d32-d140

#### Model:

- Pre-insulated PE100 SDR11 metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- For short connections between COOL-FIT 2.0 Fittings Typ A



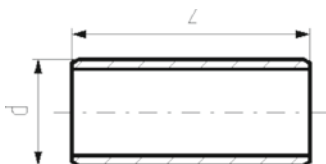
| d<br>(mm) | d/D<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) | L1<br>(mm) | z<br>(mm) | z closest<br>(inch) |
|-----------|-------------|-----|-------------|--------------------|----------------|------------|-----------|---------------------|
| 32        | 32/75       | 11  | 16          | <b>738 914 408</b> | 0.072          | 36         | 121       | 1                   |
| 40        | 40/90       | 11  | 16          | <b>738 914 409</b> | 0.104          | 40         | 125       | 1 ¼                 |
| 50        | 50/90       | 11  | 16          | <b>738 914 410</b> | 0.136          | 44         | 133       | 1 ½                 |
| 63        | 63/110      | 11  | 16          | <b>738 914 411</b> | 0.216          | 48         | 141       | 2                   |
| 75        | 75/125      | 11  | 16          | <b>738 914 412</b> | 0.313          | 55         | 155       | 2 ½                 |
| 90        | 90/140      | 11  | 16          | <b>738 914 413</b> | 0.459          | 62         | 169       | 3                   |
| 110       | 110/160     | 11  | 16          | <b>738 914 414</b> | 0.712          | 72         | 189       | 4                   |
| 140       | 140/200     | 11  | 16          | <b>738 914 416</b> | 1.226          | 90         | 213       | 6                   |



### COOL-FIT 2.0/4.0 Barrel nipple

#### Model:

- PE100, SDR11/17, metric
- For the shortest possible connection between fittings
- For media temperatures between 0°C up to 60°C
- COOL-FIT 4.0 Adhesive ring needed for joining



| d<br>(mm) | SDR | PN | Code               | Weight<br>(kg) | z<br>(mm) | z closest<br>(inch) |
|-----------|-----|----|--------------------|----------------|-----------|---------------------|
| 32        | 11  | 16 | <b>738 910 408</b> | 0.020          | 72        | 1                   |
| 40        | 11  | 16 | <b>738 910 409</b> | 0.034          | 80        | 1 ¼                 |
| 50        | 11  | 16 | <b>738 910 410</b> | 0.059          | 88        | 1 ½                 |
| 63        | 11  | 16 | <b>738 910 411</b> | 0.101          | 96        | 2                   |
| 75        | 11  | 16 | <b>738 910 412</b> | 0.162          | 110       | 2 ½                 |
| 90        | 11  | 16 | <b>738 910 413</b> | 0.264          | 124       | 3                   |
| 110       | 11  | 16 | <b>738 910 414</b> | 0.454          | 144       | 4                   |
| 140       | 11  | 16 | <b>738 910 416</b> | 0.855          | 168       | 5                   |
| 160       | 17  | 10 | <b>738 910 417</b> | 0.798          | 180       | 6                   |
| 225       | 17  | 10 | <b>738 910 420</b> | 1.885          | 220       | 8                   |





### COOL-FIT 2.0/4.0 adhesive ring

**Model:**

- Double sided, for sealing connections of fittings with barrel nipple

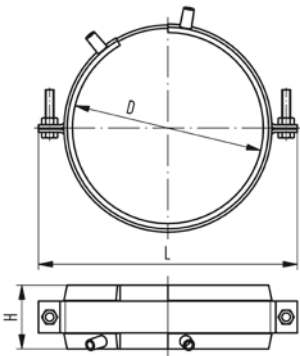
| D<br>(mm) | d<br>(mm) | d COOL-FIT<br>4.0<br>(mm) | d COOL-FIT<br>2.0<br>(mm) | Code        | Weight<br>(kg) |
|-----------|-----------|---------------------------|---------------------------|-------------|----------------|
| 75        | 32        |                           | 32                        | 738 010 012 | 0.002          |
| 90        | 32 - 50   | 32                        | 40 - 50                   | 738 010 013 | 0.002          |
| 110       | 40 - 63   | 40 - 50                   | 63                        | 738 010 014 | 0.003          |
| 125       | 63 - 75   | 63                        | 75                        | 738 010 015 | 0.003          |
| 140       | 75 - 90   | 75                        | 90                        | 738 010 016 | 0.003          |
| 160       | 90 - 110  | 90                        | 110                       | 738 010 017 | 0.005          |
| 180       | 110       | 110                       |                           | 738 010 018 | 0.005          |
| 200       | 140       |                           | 140                       | 738 010 019 | 0.006          |
| 225       | 140       | 140                       |                           | 738 010 020 | 0.009          |
| 250       | 160       | 160                       |                           | 738 010 021 | 0.009          |
| 315       | 225       | 225                       |                           | 738 010 023 | 0.027          |



### COOL-FIT 2.0/4.0 Fixed point

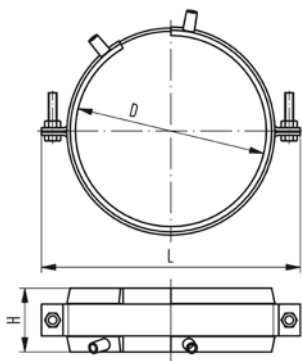
**Model:**

- The product consists of two components namely electrofusion tapes and pipe brackets.
- Electrofusion welded tape as permanent connection to transmit the forces that occur in the pipe to the fixed point.
- The delivered pipe brackets are needed to deliver welding pressure during installation and give stability during operation.
- For welding, use an MSA2.x, MSA4.x, MSA 250, 300, 350, 400 or commercially available 220 V fusion machines.
- If you use an MSA fusion machine from GF Piping Systems, use the 799 350 339 adapter or the 790 156 032 y-cable set.
- Please take note of the maximum allowed forces for this version in the table below.
- **Fixed point brackets and cross braces have to be calculated and obtained by the installer. They are not included in the fixed point set from GF.**



| D<br>(mm) | d<br>(mm) | d COOL-FIT<br>4.0<br>(mm) | d COOL-FIT<br>2.0<br>(mm) | Code        | Weight<br>(kg) |
|-----------|-----------|---------------------------|---------------------------|-------------|----------------|
| 75        | 32        |                           | 32                        | 738 912 012 | 0.750          |
| 90        | 32 - 50   | 32                        | 40 - 50                   | 738 912 013 | 0.895          |
| 110       | 40 - 63   | 40 - 50                   | 63                        | 738 912 014 | 0.904          |
| 125       | 63 - 75   | 63                        | 75                        | 738 912 015 | 1.103          |
| 140       | 75 - 90   | 75                        | 90                        | 738 912 016 | 1.188          |
| 160       | 90 - 110  | 90                        | 110                       | 738 912 017 | 1.177          |
| 180       | 110       | 110                       |                           | 738 912 018 | 1.530          |
| 200       | 140       |                           | 140                       | 738 912 019 | 1.600          |
| 225       | 140       | 140                       |                           | 738 912 020 | 1.813          |
| 250       | 160       | 160                       |                           | 738 912 021 | 1.957          |
| 315       | 225       | 225                       |                           | 738 912 023 | 2.388          |
| 355       | 250       | 250                       |                           | 738 912 024 | 2.388          |

| D<br>(mm) | d<br>(mm) | L<br>(mm) | H<br>(mm) | max Force<br>COOL-FIT 4.0<br>(kN) | max Force<br>COOL-FIT 2.0<br>(kN) |
|-----------|-----------|-----------|-----------|-----------------------------------|-----------------------------------|
| 75        | 32        | 150       | 60        |                                   | 2.0                               |
| 90        | 32 - 50   | 170       | 60        | 2.0                               | 3.0 / 5.0                         |
| 110       | 40 - 63   | 180       | 60        | 3.0 / 5.0                         | 8.0                               |
| 125       | 63 - 75   | 215       | 60        | 8.0                               | 10.0                              |
| 140       | 75 - 90   | 220       | 60        | 10.0                              | 10.0                              |
| 160       | 90 - 110  | 255       | 60        | 10.0                              | 10.0                              |
| 180       | 110       | 255       | 60        | 10.0                              |                                   |
| 200       | 140       | 310       | 60        |                                   | 10.0                              |



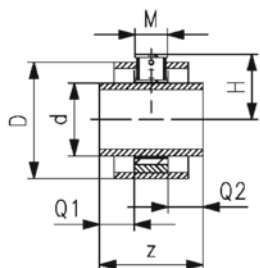
| D<br>(mm) | d<br>(mm) | L<br>(mm) | H<br>(mm) | max Force<br>COOL-FIT 4.0<br>(kN) | max Force<br>COOL-FIT 2.0<br>(kN) |
|-----------|-----------|-----------|-----------|-----------------------------------|-----------------------------------|
| 225       | 140       | 310       | 60        | 10.0                              |                                   |
| 250       | 160       | 335       | 60        | 10.0                              |                                   |
| 315       | 225       | 400       | 60        | 10.0                              |                                   |
| 355       | 250       | 420       | 60        | 10.0                              |                                   |



### COOL-FIT 2.0 Fixpoint kit for high forces

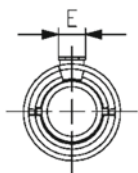
#### Model:

- The product consists of fixpoint, pipe section and insulation kit
- Fixed point for installation between two electrofusion fittings, transmits the forces emanating from the pipe to the fixed point
- Pipe section PE100 SDR11, metric
- Fixpoint with welding plate made from S235JR (1.0038). With corrosion protection coating
- Insulation made from EPDM soft foam. For outdoor application use additional protection
- Please take note of the maximum allowed forces for this version in the table below.
- A force calculation of the fixpoint clamp and the attachment point is required
- For the bonding, adhesive 738010060 is recommended
- Availability: From January 2023



| d<br>(mm) | D<br>(mm) | DN<br>(mm) | SDR | PN<br>(bar) | Code               | Weight<br>(kg) |
|-----------|-----------|------------|-----|-------------|--------------------|----------------|
| 140       | 200       | 125        | 11  | 16          | <b>738 914 816</b> | 7.950          |

| z<br>(mm) | Q1<br>(mm) | Q2<br>(mm) | Dos<br>(mm) | H<br>(mm) | M<br>(mm) | E<br>(mm) | Wrench size<br>(mm) | max. Force (kN) |
|-----------|------------|------------|-------------|-----------|-----------|-----------|---------------------|-----------------|
| 268       | 84         | 84         | 244         | 137       | 100       | 100       | 24                  | 35              |



### COOL-FIT Y cables kit

- The COOL-FIT Y cables are used to speed up the installation of the fixed points electrofusion tapes. The Y cables allow the welding in parallel of 2 E-Tapes, halving the total duration of the fusion process.
- Compatible with all MSA Units

| Type                                   | Code               | Weight<br>(kg) |
|--|--------------------|----------------|
| 4 leads cable with 2mm plugs in output | <b>790 156 032</b> | 0.385          |

## Hand scraper



- The Hand Scraper can be used to prepare the fusion zone on PE80 pipes.

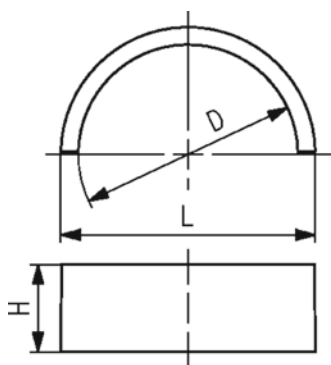
| Description                   | Code               | Weight<br>(kg) |
|-------------------------------|--------------------|----------------|
| Hand scraper with long handle | <b>799 198 094</b> | 0.143          |



## COOL-FIT 2.0F fixed point set

### Model:

- Four PVC-U half shells as permanent connection to transmit the forces that occur in the pipe to the fixed point.
- For cementing use Tangit RAPID, Tangit RAPID static mixer and Tangit RAPID dispenser
- Please take note of the maximum allowed forces for this version in the table below.
- Fixed point brackets and cross braces have to be calculated and obtained by the installer. They are not included in the fixed point set from GF.**



| D<br>(mm) | d<br>(mm) | Code               | Weight<br>(kg) | L<br>(mm) | H<br>(mm) | max. Force<br>(kN) | closest inch<br>(inch) |
|-----------|-----------|--------------------|----------------|-----------|-----------|--------------------|------------------------|
| 75        | 32        | <b>738 912 312</b> | 0.750          | 87        | 30        | 2.0                | 1                      |
| 90        | 40 - 50   | <b>738 912 313</b> | 0.895          | 105       | 35        | 3.0 / 5.0          | 1 ¼ / 1 ½              |
| 110       | 63        | <b>738 912 314</b> | 0.904          | 128       | 35        | 8.0                | 2                      |
| 125       | 75        | <b>738 912 315</b> | 1.103          | 142       | 35        | 10.0               | 2 1/2                  |
| 140       | 90        | <b>738 912 316</b> | 1.188          | 162       | 35        | 10.0               | 3                      |
| 160       | 110       | <b>738 912 317</b> | 1.177          | 183       | 35        | 10.0               | 4                      |
| 200       | 140       | <b>738 912 319</b> | 1.600          | 221       | 35        | 10.0               | 5                      |



## Tangit Rapid cartridges kit

- 2-Component-Adhesive
- For PVC-U and PVC-C
- Tangit Rapid Kit consists of 6 cartridges, 12 mixers and 2 plastic brushes
- Tool needed: Tangit Rapid dispenser and mixers
- Check chemical resistance list ([www.gfps.com](http://www.gfps.com))

| Language                   | description | Code               | Weight<br>(kg) |
|----------------------------|-------------|--------------------|----------------|
| DE, FR                     | 50 ml       | <b>799 302 005</b> | 0.566          |
| FR, NL                     | 50 ml       | <b>799 302 041</b> | 0.566          |
| DK, SE                     | 50 ml       | <b>799 302 042</b> | 0.566          |
| GB, IT                     | 50 ml       | <b>799 302 043</b> | 0.566          |
| FI, NO                     | 50 ml       | <b>799 302 044</b> | 0.566          |
| DE, ES, FR, GB, IT, NL, PT | 400 ml      | <b>799 302 007</b> | 3.700          |
| DK, FI, NO, SE             | 400 ml      | <b>799 302 047</b> | 3.700          |



## Tangit Rapid mixer set

- For Tangit Rapid cartridges
- Bag with 30 pieces for 50ml and 15 pieces for 400ml

| description | Code               | SP | Weight<br>(kg) |
|-------------|--------------------|----|----------------|
| 50ml        | <b>799 302 032</b> | 1  | 0.160          |
| 400ml       | <b>799 302 033</b> | 1  | 0.190          |



### Tangit Rapid dispenser

- For Tangit Rapid cartridges

| d-d (mm)  | description | Code               | SP | Weight (kg) |
|-----------|-------------|--------------------|----|-------------|
| 16 - 140  | 50ml        | <b>799 302 011</b> | 1  | 0.185       |
| 110 - 400 | 400ml       | <b>799 302 013</b> | 1  | 1.100       |

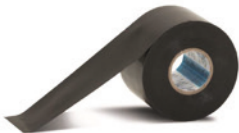


### COOL-FIT 2.0/4.0 Adhesive cement

#### Model:

- For the jointing of NBR foam insulations of flexible hoses and transition fittings

| Code               | SP | Weight (kg) |
|--------------------|----|-------------|
| <b>738 010 060</b> | 1  | 0.240       |



### COOL-FIT 2.0/4.0 Adhesive tape

#### Model:

- For the jointing of NBR foam insulations of flexible hoses and transition fittings
- 30m on a roll

| Code               | SP | Weight (kg) |
|--------------------|----|-------------|
| <b>738 010 065</b> | 1  | 0.400       |



### Tangit KS Cleaner

- Special cleaner for plastic fusion connections in the material of PE, PP, PB, PVDF, ECTFE and PVC-U
- Suitable for Tangit Rapid. Must not be used for solvent cementing
- DVGW approved
- DW 5290 BR 0464

| Size    | Code               | SP | Weight (kg) |
|---------|--------------------|----|-------------|
| 1 liter | <b>799 298 023</b> | 8  | 0.872       |

### Marker



| Type   | Code               | Weight (kg) |
|--------|--------------------|-------------|
| silver | <b>799 350 364</b> | 0.010       |

### Deburring tool

- Replacable blade



| Code               | SP | Weight<br>(kg) |
|--------------------|----|----------------|
| <b>790 205 082</b> | 1  | 0.058          |

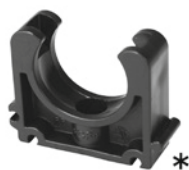
### Measuring tape (circumference and diameter)



- Circumference: 2 m / 79 inch
- Diameter: 630 mm / 25 inch

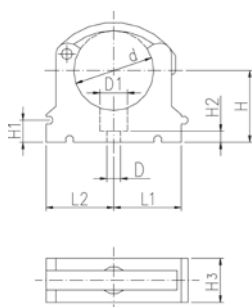
| Code               | SP | Weight<br>(kg) |
|--------------------|----|----------------|
| <b>790 205 087</b> | 1  | 0.045          |

### KLIP-IT pipe clip type 061 PP metric



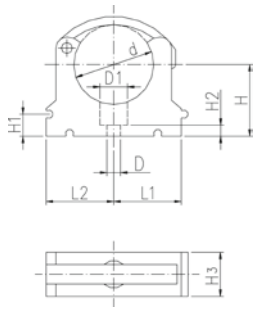
#### Model:

- Material: clip and safety clip PP black, UV resistant
- d16 - d63: height designed for ball valve type 546 and 543
- **Minimum order quantity: standard packagings SP**



|   | d<br>(mm) | D<br>(mm) | d<br>(inch) | D1<br>(mm) | Code               | SP | Weight<br>(kg) |
|---|-----------|-----------|-------------|------------|--------------------|----|----------------|
| * | 10        | 5         |             | 8          | <b>167 061 003</b> | 10 | 0.003          |
| * | 12        | 5         |             | 8          | <b>167 061 004</b> | 10 | 0.003          |
| * | 16        | 6         |             | 11         | <b>167 061 035</b> | 10 | 0.007          |
| * | 20        | 6         |             | 11         | <b>167 061 036</b> | 10 | 0.007          |
| * | 25        | 6         |             | 11         | <b>167 061 037</b> | 10 | 0.009          |
| * | 32        | 6         |             | 11         | <b>167 061 038</b> | 10 | 0.012          |
|   | 40        | 7         |             | 14         | <b>167 061 039</b> | 10 | 0.027          |
|   | 50        | 7         |             | 14         | <b>167 061 040</b> | 10 | 0.031          |
|   | 63        | 9         |             | 17         | <b>167 061 041</b> | 10 | 0.052          |
|   | 75        | 9         | 2 ½         | 17         | <b>167 061 012</b> | 10 | 0.057          |
|   | 90        | 9         | 3           | 17         | <b>167 061 013</b> | 10 | 0.092          |
|   | 110       | 9         | 4           | 17         | <b>167 061 014</b> | 10 | 0.117          |
|   | 125       | 9         |             | 17         | <b>167 061 015</b> | 10 | 0.180          |
|   | 140       | 9         | 5           | 17         | <b>167 061 016</b> | 10 | 0.224          |
|   | 160       | 9         |             | 17         | <b>167 061 017</b> | 10 | 0.242          |

|   | d<br>(mm) | H<br>(mm) | H1<br>(mm) | H2<br>(mm) | H3<br>(mm) | L1<br>(mm) | L2<br>(mm) | SC | closest<br>inch<br>(inch) |
|---|-----------|-----------|------------|------------|------------|------------|------------|----|---------------------------|
| * | 10        | 20        | 10         | 6          | 12         | 11         | 14         | M4 | ¼                         |
| * | 12        | 21        | 10         | 6          | 12         | 11         | 14         | M5 | ¼                         |
| * | 16        | 27        | 10         | 6          | 16         | 14         | 17         | M5 | ⅜                         |
| * | 20        | 27        | 10         | 6          | 16         | 17         | 19         | M5 | ½                         |
| * | 25        | 30        | 10         | 6          | 16         | 19         | 22         | M5 | ¾                         |
| * | 32        | 36        | 10         | 6          | 16         | 24         | 27         | M5 | 1                         |
|   | 40        | 44        | 10         | 7          | 22         | 34         | 34         | M6 | 1 ¼                       |
|   | 50        | 51        | 10         | 7          | 22         | 37         | 37         | M6 | 1 ½                       |
|   | 63        | 64        | 10         | 10         | 25         | 45         | 45         | M8 | 2                         |



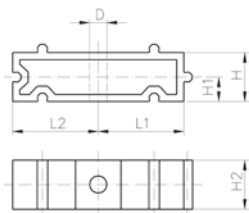
| d<br>(mm) | H<br>(mm) | H1<br>(mm) | H2<br>(mm) | H3<br>(mm) | L1<br>(mm) | L2<br>(mm) | SC | closest<br>inch<br>(inch) |
|-----------|-----------|------------|------------|------------|------------|------------|----|---------------------------|
| 75        | 58        | 10         | 10         | 25         | 52         | 52         | M8 | 2 ½                       |
| 90        | 65        | 10         | 10         | 28         | 65         | 65         | M8 | 3                         |
| 110       | 75        | 10         | 10         | 28         | 79         | 79         | M8 | 4                         |
| 125       | 90        | 10         | 10         | 32         | 88         | 88         | M8 |                           |
| 140       | 110       | 10         | 10         | 32         | 98         | 98         | M8 | 5                         |
| 160       | 108       | 10         | 10         | 32         | 109        | 109        | M8 | 6                         |



### KLIP-IT spacer type 061 PP

#### Model:

- For pipe clips type 061/061H, PP black, UV resistant
- **Minimum order quantity: standard packaging SP**



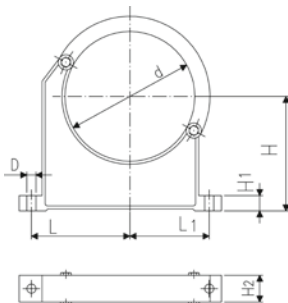
| d<br>(mm) | Inch<br>(inch) | Code               | SP | Weight<br>(kg) | D<br>(mm) | L1<br>(mm) | L2<br>(mm) | H<br>(mm) | H1<br>(mm) | H2<br>(mm) | SC |
|-----------|----------------|--------------------|----|----------------|-----------|------------|------------|-----------|------------|------------|----|
| 10 - 12   | ¼ - ½          | <b>167 061 153</b> | 10 | 0.003          | 5         | 11         | 14         | 20        | 10         | 12         | M4 |
| 16        | ⅝              | <b>167 061 155</b> | 10 | 0.005          | 6         | 14         | 17         | 20        | 10         | 16         | M5 |
| 20        | ½              | <b>167 061 156</b> | 10 | 0.005          | 6         | 17         | 19         | 20        | 10         | 16         | M5 |
| 25        | ¾              | <b>167 061 157</b> | 10 | 0.007          | 6         | 19         | 22         | 20        | 10         | 16         | M5 |
| 32        | 1              | <b>167 061 158</b> | 10 | 0.006          | 6         | 24         | 27         | 20        | 10         | 16         | M5 |
| 40        | 1 ¼            | <b>167 061 159</b> | 10 | 0.015          | 7         | 34         | 34         | 20        | 10         | 22         | M6 |
| 50        | 1 ½            | <b>167 061 160</b> | 10 | 0.017          | 7         | 37         | 37         | 20        | 10         | 22         | M6 |
| 63        | 2              | <b>167 061 161</b> | 10 | 0.020          | 9         | 45         | 45         | 20        | 10         | 25         | M8 |
| 75        | 2 ½            | <b>167 061 162</b> | 10 | 0.027          | 9         | 52         | 52         | 20        | 10         | 25         | M8 |
| 90        | 3              | <b>167 061 163</b> | 10 | 0.039          | 9         | 65         | 65         | 20        | 10         | 28         | M8 |
| 110       | 4              | <b>167 061 164</b> | 10 | 0.048          | 9         | 79         | 79         | 20        | 10         | 28         | M8 |
| 125       | 4 ½            | <b>167 061 165</b> | 10 | 0.059          | 9         | 88         | 88         | 20        | 10         | 32         | M8 |
| 140       | 5              | <b>167 061 166</b> | 10 | 0.065          | 9         | 98         | 98         | 20        | 10         | 32         | M8 |
| 160       | 6              | <b>167 061 167</b> | 10 | 0.071          | 9         | 109        | 109        | 20        | 10         | 32         | M8 |



### Pipe clip type 060 PP metric

#### Model:

- Material: clip and safety clip PP black, UV resistant
- **Minimum order quantity: standard packaging SP or gross packaging GP**
- Accidental opening of the safety clip is not possible
- Clip and safety clip are not assembled in the packaging.
- Pipes with flanges can be installed directly



| d<br>(mm) | D<br>(mm) | Code               | SP | Weight<br>(kg) | L<br>(mm) | L1<br>(mm) | H<br>(mm) | H1<br>(mm) | H2<br>(mm) | SC  | closest<br>inch<br>(inch) |
|-----------|-----------|--------------------|----|----------------|-----------|------------|-----------|------------|------------|-----|---------------------------|
| 90        | 9         | <b>167 060 038</b> | 10 | 0.144          | 89        | 71         | 105       | 15         | 33         | M 8 | 3                         |
| 110       | 9         | <b>167 060 039</b> | 10 | 0.158          | 94        | 80         | 115       | 15         | 33         | M 8 | 4                         |
| 125       | 11        | <b>167 060 040</b> | 10 | 0.249          | 116       | 91         | 130       | 20         | 35         | M10 |                           |
| 140       | 11        | <b>167 060 041</b> | 10 | 0.260          | 121       | 99         | 130       | 20         | 35         | M10 | 5                         |
| 160       | 11        | <b>167 060 042</b> | 10 | 0.296          | 131       | 107        | 148       | 20         | 35         | M10 | 6                         |
| 180       | 11        | <b>167 060 043</b> | 10 | 0.327          | 143       | 115        | 163       | 20         | 35         | M10 | 7                         |
| 200       | 13        | <b>167 060 019</b> | 5  | 0.539          | 151       | 120        | 175       | 25         | 39         | M12 | 8                         |
| 225       | 13        | <b>167 060 020</b> | 5  | 0.612          | 164       | 132        | 175       | 25         | 39         | M12 | 8                         |
| 250       | 13        | <b>167 060 021</b> | 5  | 0.657          | 183       | 143        | 200       | 25         | 39         | M12 | 9                         |
| 280       | 13        | <b>167 060 022</b> | 5  | 0.722          | 197       | 156        | 200       | 25         | 39         | M12 | 10                        |
| 315       | 13        | <b>167 060 023</b> | 5  | 0.805          | 219       | 171        | 225       | 25         | 39         | M12 | 12                        |
| 355       | 17        | <b>167 060 024</b> | 5  | 1.251          | 275       | 209        | 258       | 30         | 50         | M16 | 14                        |
| 400       | 17        | <b>167 060 025</b> | 4  | 1.031          | 300       | 228        | 288       | 30         | 50         | M16 | 16                        |

# COOL-FIT 2.0 Spare parts



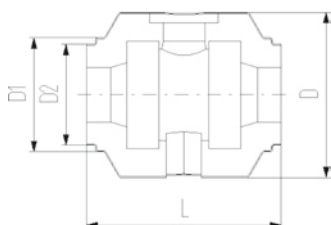
## COOL-FIT 2.0/4.0 Insulation for ball valve type 546 / 542

**Model:**

- Set consisting of half shells and clamps

**Note:**

Suitable for COOL-FIT ball valve only



| d<br>(mm) | D<br>(mm) | DN<br>(mm) | Code               | Weight<br>(kg) | D1<br>(mm) | D2<br>(mm) | L<br>(mm) |
|-----------|-----------|------------|--------------------|----------------|------------|------------|-----------|
| 32        | 135       | 25         | <b>738 990 308</b> | 0.160          | 97         | 82         | 152       |
| 40        | 157       | 32         | <b>738 990 309</b> | 0.228          | 117        | 97         | 170       |
| 50        | 169       | 40         | <b>738 990 310</b> | 0.282          | 117        | 97         | 184       |
| 63        | 204       | 50         | <b>738 990 311</b> | 0.498          | 132        | 117        | 227       |
| 75        | 235       | 65         | <b>738 990 312</b> | 0.935          | 147        | 132        | 276       |
| 90        | 255       | 80         | <b>738 990 313</b> | 1.033          | 168        | 147        | 297       |



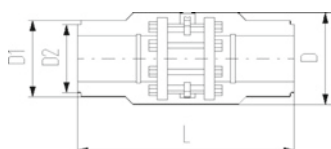
## COOL-FIT 2.0/4.0 Insulation for Butterfly Valve Type 567

**Model:**

- Set consisting of half shells and clamps

**Note:**

Suitable for COOL-FIT butterfly valve only



| d<br>(mm) | D<br>(mm) | DN<br>(mm) | Code               | Weight<br>(kg) | D1<br>(mm) | D2<br>(mm) | L<br>(mm) |
|-----------|-----------|------------|--------------------|----------------|------------|------------|-----------|
| 110       | 310       | 100        | <b>738 990 324</b> | 2.054          | 188        | 168        | 556       |
| 140       | 287       | 125        | <b>738 990 326</b> | 2.947          | 233        | 208        | 662       |
| 160       | 358       | 150        | <b>738 990 327</b> | 3.675          | 259        |            | 720       |
| 225       | 409       | 200        | <b>738 990 330</b> | 4.811          | 325        |            | 776       |

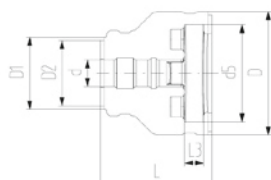
## COOL-FIT 2.0/4.0 Insulation for flange adaptor

**Model:**

- Set consisting of half shells and clamps

**Note:**

Suitable for COOL-FIT flange adaptor only



| d<br>(mm) | D<br>(mm) | DN<br>(mm) | Code               | Weight<br>(kg) | D1<br>(mm) | D2<br>(mm) | L<br>(mm) | L3<br>(mm) | d5<br>(mm) |
|-----------|-----------|------------|--------------------|----------------|------------|------------|-----------|------------|------------|
| 32        | 135       | 25         | <b>738 990 458</b> | 0.226          | 90         | 75         | 162       | 26         | 121        |
| 40        | 170       | 32         | <b>738 990 459</b> | 0.331          | 110        | 90         | 165       | 28         | 146        |
| 50        | 180       | 40         | <b>738 990 460</b> | 0.386          | 110        | 90         | 178       | 30         | 156        |
| 63        | 200       | 50         | <b>738 990 461</b> | 0.533          | 125        | 110        | 230       | 32         | 171        |
| 75        | 220       | 65         | <b>738 990 462</b> | 0.674          | 140        | 125        | 232       | 34         | 191        |
| 90        | 240       | 80         | <b>738 990 463</b> | 0.754          | 160        | 140        | 245       | 35         | 206        |
| 110       | 270       | 100        | <b>738 990 464</b> | 0.889          | 180        | 160        | 254       | 36         | 235        |
| 140       | 300       | 125        | <b>738 990 466</b> | 1.138          | 225        | 200        | 299       | 38         | 256        |
| 160       | 358       | 150        | <b>738 990 467</b> | 2.820          | 259        |            | 332       | 34         | 295        |
| 225       | 423       | 200        | <b>738 990 470</b> | 3.710          | 325        |            | 383       | 37         | 354        |



### COOL-FIT 2.0 Insulation for welding indicator

**Model:**

- Sales unit: Bag with 20 pieces
- Availability: 738 010 056 from July 2023

| Code               | Weight<br>(kg) |
|--------------------|----------------|
| <b>738 010 051</b> | 0.055          |
| <b>738 010 056</b> | 0.055          |



### Peeling blade d32-d90

- Suitable for COOL-FIT 2.0/4.0 foam removal and peeling tool (799 738 001)

| d<br>(mm) | Code               | Weight<br>(kg) |
|-----------|--------------------|----------------|
| 32        | <b>799 738 101</b> | 0.015          |
| 40        | <b>799 738 102</b> | 0.020          |
| 50        | <b>799 738 103</b> | 0.019          |
| 63        | <b>799 738 104</b> | 0.020          |
| 75        | <b>799 738 105</b> | 0.020          |
| 90        | <b>799 738 106</b> | 0.030          |



### Peeling blade d110-d225

- Suitable for COOL-FIT 2.0/4.0 foam removal and peeling tool (799 738 003)

| d<br>(mm) | Code               | Weight<br>(kg) |
|-----------|--------------------|----------------|
| 110       | <b>799 738 107</b> | 0.100          |
| 140       | <b>799 738 108</b> | 0.100          |
| 160       | <b>799 738 109</b> | 0.100          |
| 225       | <b>799 738 110</b> | 0.100          |



### Replacement blade foam separator

- Suitable for COOL-FIT 2.0/4.0 foam removal and peeling tool (799 738 004) and upgrade kit d140-d225 (799 738 013)

| Code               | Weight<br>(kg) | Suitable for |
|--------------------|----------------|--------------|
| <b>799 738 115</b> | 0.100          | 799 738 004  |
| <b>799 738 117</b> | 0.080          | 799 738 013  |



### O-Ring for clamping shoe

- Suitable for COOL-FIT 2.0/4.0 foam removal and peeling tool (799 738 001 and 799 738 003)

| d<br>(mm) | Code               | Weight<br>(kg) |
|-----------|--------------------|----------------|
| 32        | <b>799 738 050</b> | 0.003          |
| 110       | <b>799 738 051</b> | 0.010          |





### Clamping shoe d32-d90

- Suitable for COOL-FIT 2.0/4.0 foam removal and peeling tool (799 738 001)

| d<br>(mm) | Code               | Weight<br>(kg) | Colour     |
|-----------|--------------------|----------------|------------|
| 32        | <b>799 738 020</b> | 0.240          | silver     |
| 40        | <b>799 738 021</b> | 0.090          | red        |
| 50        | <b>799 738 022</b> | 0.210          | anthracite |
| 63        | <b>799 738 023</b> | 0.120          | gold       |
| 75        | <b>799 738 024</b> | 0.270          | blue       |
| 90        | <b>799 738 025</b> | 0.480          | black      |



### Clamping shoe d110-d225

- Suitable for COOL-FIT 2.0/4.0 foam removal and peeling tool (799 738 003)
- Type A: Spindle start
- Type B: With pipe stop

| d<br>(mm) | Code               | Weight<br>(kg) | Colour     | Type |
|-----------|--------------------|----------------|------------|------|
| 110       | <b>799 738 026</b> | 0.680          | silver     |      |
| 140       | <b>799 738 027</b> | 0.480          | red        | A    |
| 140       | <b>799 738 037</b> | 0.480          | red        | B    |
| 160       | <b>799 738 028</b> | 0.580          | anthracite | A    |
| 160       | <b>799 738 038</b> | 0.580          | anthracite | B    |
| 225       | <b>799 738 029</b> | 0.600          | gold       | A    |
| 225       | <b>799 738 039</b> | 0.600          | gold       | B    |



### Circular blade

- Suitable for COOL-FIT 2.0/4.0 foam removal and peeling tool (799 738 001 and 799 738 003)

| Code               | Weight<br>(kg) |
|--------------------|----------------|
| <b>799 738 040</b> | 0.008          |



### Circular blade-Set

- Suitable for COOL-FIT 2.0/4.0 foam removal and peeling tool (799738001 and 799738003)
- Consists of: Circular blade, holder and screw

| d<br>(mm) | Code               | Weight<br>(kg) |
|-----------|--------------------|----------------|
| 32 - 90   | <b>799 738 048</b> | 0.025          |
| 110 - 225 | <b>799 738 049</b> | 0.025          |



### Saw

- Suitable for COOL-FIT 2.0/4.0 foam removal and peeling tool (799 738 003)

| d<br>(mm) | Code               | Weight<br>(kg) |
|-----------|--------------------|----------------|
| 140 - 225 | <b>799 738 060</b> | 1.000          |



### Saw blade

- Suitable for COOL-FIT 2.0/4.0 foam removal and peeling tool (799 738 003)

| d<br>(mm) | Code               | Weight<br>(kg) |
|-----------|--------------------|----------------|
| 140 - 225 | <b>799 738 061</b> | 0.029          |



### Spare blades for deburring tool

- 10 pieces

| Code               | SP | Weight<br>(kg) |
|--------------------|----|----------------|
| <b>790 205 083</b> | 1  | 0.031          |

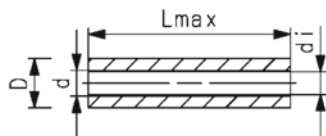
# COOL-FIT 2.0 Push System Pipes and Fittings

## COOL-FIT 2.0 Push System Pipe bar



### Model:

- Pre-insulated multilayer (PE-RT/AL/PE-RT) pipe, metric
- Closed cell insulation based EPDM with polyester wire mesh for mechanical protection
- Colour: black



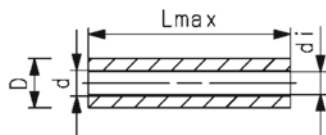
| d<br>(mm) | D<br>(mm) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | di<br>(mm) | L<br>(mm) | closest inch<br>(inch) |
|-----------|-----------|------------|-------------|--------------------|----|----------------|------------|-----------|------------------------|
| 16        | 44        | 12         | 16          | <b>738 174 005</b> | 8  | 0.299          | 12         | 5000      | 3/8                    |
| 20        | 48        | 15         | 16          | <b>738 174 006</b> | 7  | 0.354          | 16         | 5000      | 1/2                    |
| 25        | 54        | 20         | 16          | <b>738 174 007</b> | 7  | 0.521          | 20         | 5000      | 3/4                    |
| 32        | 61        | 25         | 16          | <b>738 174 008</b> | 6  | 0.621          | 26         | 5000      | 1                      |

## COOL-FIT 2.0 Push System, Pipe coiled



### Model:

- Pre-insulated multilayer (PE-RT/AL/PE-RT) pipe, metric
- Closed cell insulation based EPDM with polyester wire mesh for mechanical protection
- Colour: black



| d<br>(mm) | D<br>(mm) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | di<br>(mm) | L<br>(mm) | closest inch<br>(inch) |
|-----------|-----------|------------|-------------|--------------------|----|----------------|------------|-----------|------------------------|
| 16        | 44        | 12         | 16          | <b>738 174 055</b> | 1  | 0.299          | 12         | 25000     | 3/8                    |
| 20        | 48        | 15         | 16          | <b>738 174 056</b> | 1  | 0.354          | 16         | 25000     | 1/2                    |
| 25        | 54        | 20         | 16          | <b>738 174 057</b> | 1  | 0.521          | 20         | 25000     | 3/4                    |

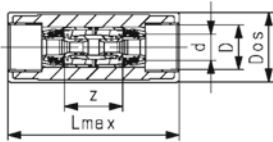


### COOL-FIT 2.0 Push System Coupler

**Model:**

- Push fitting made of high-performance plastic PPSU
- Insulation shell of EPP with TPE jacket
- Colour: black
- Package contents: 1x module, 2x adaptors, 2x compression rings, 1x insulation shell

| d<br>(mm) | D<br>(mm) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | z<br>(mm) | Dos<br>(mm) |
|-----------|-----------|------------|-------------|--------------------|----|----------------|--------------|-----------|-------------|
| 16        | 44        | 12         | 16          | <b>738 914 005</b> | 1  | 0.266          | 190          | 53        | 69          |
| 20        | 48        | 15         | 16          | <b>738 914 006</b> | 1  | 0.254          | 190          | 53        | 69          |
| 25        | 54        | 20         | 16          | <b>738 914 007</b> | 1  | 0.456          | 212          | 72        | 86          |
| 32        | 61        | 25         | 16          | <b>738 914 008</b> | 1  | 0.446          | 212          | 72        | 86          |

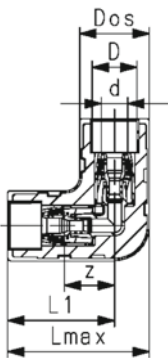


### COOL-FIT 2.0 Push System, Elbow 90°

**Model:**

- Push fitting made of high-performance plastic PPSU
- Insulation shell of EPP with TPE jacket
- Colour: black
- Package contents: 1x module, 2x adaptors, 2x compression rings, 1x insulation shell

| d<br>(mm) | D<br>(mm) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | L1<br>(mm) | z<br>(mm) | Dos<br>(mm) |
|-----------|-----------|------------|-------------|--------------------|----|----------------|--------------|------------|-----------|-------------|
| 16        | 44        | 12         | 16          | <b>738 104 005</b> | 1  | 0.294          | 145          | 110        | 41        | 69          |
| 20        | 48        | 15         | 16          | <b>738 104 006</b> | 1  | 0.282          | 145          | 110        | 41        | 69          |
| 25        | 54        | 20         | 16          | <b>738 104 007</b> | 1  | 0.550          | 175          | 132        | 62        | 86          |
| 32        | 61        | 25         | 16          | <b>738 104 008</b> | 1  | 0.540          | 175          | 132        | 62        | 86          |



### COOL-FIT 2.0 Push System T90° equal



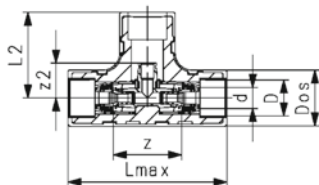
#### Model:

- Push fitting made of high-performance plastic PPSU
- Insulation shell of EPP with TPE jacket
- Colour: black
- Package contents: 1x module, 2x adaptors, 2x compression rings, 1x insulation shell

#### Note:

Additional COOL-FIT 2.0 Push System Adaptor kit needed for d16 and d20 738904055 or 73890456 for d25 and d32 738904057 or 73890458

| d<br>(mm) | d2<br>(mm) | D<br>(mm) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | z<br>(mm) | L2<br>(mm) | z2<br>(mm) | Dos<br>(mm) |
|-----------|------------|-----------|------------|-------------|--------------------|----|----------------|--------------|-----------|------------|------------|-------------|
| 16        | 16/20      | 44        | 12         | 16          | <b>738 204 005</b> | 1  | 0.344          | 207          | 72        | 110        | 37         | 69          |
| 20        | 16/20      | 48        | 15         | 16          | <b>738 204 006</b> | 1  | 0.332          | 207          | 72        | 110        | 37         | 69          |
| 25        | 25/32      | 54        | 20         | 16          | <b>738 204 007</b> | 1  | 0.648          | 246          | 106       | 132        | 54         | 86          |
| 32        | 25/32      | 61        | 25         | 16          | <b>738 204 008</b> | 1  | 0.638          | 246          | 106       | 132        | 54         | 86          |



### COOL-FIT 2.0 Push System T90° reduced



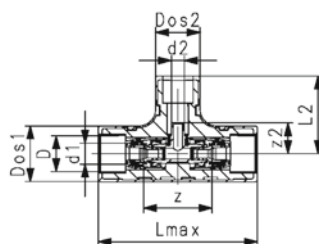
#### Model:

- Push fitting made of high-performance plastic PPSU
- Insulation shell of EPP with TPE jacket
- Colour: black
- Package contents: 1x module, 2x adaptors, 2x compression rings, 1x insulation shell

#### Note:

Additional COOL-FIT 2.0 Push System, Adaptor kit 738904055 and 73890456 needed

| d1<br>(mm) | d2<br>(mm) | D<br>(mm) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | z<br>(mm) | L2<br>(mm) | z2<br>(mm) | Dos1<br>(mm) | Dos2<br>(mm) |
|------------|------------|-----------|------------|-------------|--------------------|----|----------------|--------------|-----------|------------|------------|--------------|--------------|
| 25         | 16/20      | 54        | 20         | 16          | <b>738 204 017</b> | 1  | 0.597          | 246          | 106       | 121        | 48         | 86           | 69           |
| 32         | 16/20      | 61        | 25         | 16          | <b>738 204 018</b> | 1  | 0.587          | 246          | 106       | 121        | 48         | 86           | 69           |

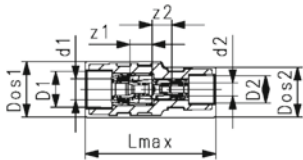




## COOL-FIT 2.0 Push System Reduction

### Model:

- Push fitting made of high-performance plastic PPSU
- Insulation shell of EPP with TPE jacket
- Colour: black
- Package contents: 1x module, 2x adaptors, 2x compression rings, 1x insulation shell



| d1<br>(mm) | d2<br>(mm) | D1<br>(mm) | D2<br>(mm) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | z1<br>(mm) | z2<br>(mm) | Dos1<br>(mm) | Dos2<br>(mm) |
|------------|------------|------------|------------|------------|-------------|--------------------|----|----------------|--------------|------------|------------|--------------|--------------|
| 25         | 16         | 54         | 44         | 20         | 16          | <b>738 904 015</b> | 1  | 0.395          | 203          | 34         | 31         | 86           | 69           |
| 25         | 20         | 54         | 48         | 20         | 16          | <b>738 904 016</b> | 1  | 0.389          | 203          | 34         | 31         | 86           | 69           |
| 32         | 16         | 61         | 44         | 25         | 16          | <b>738 904 017</b> | 1  | 0.390          | 203          | 34         | 31         | 86           | 69           |
| 32         | 20         | 61         | 48         | 25         | 16          | <b>738 904 018</b> | 1  | 0.384          | 203          | 34         | 31         | 86           | 69           |

# COOL-FIT 2.0 Push System Valves

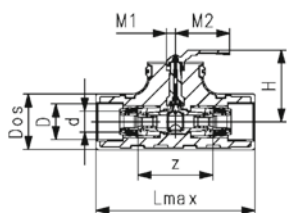


## COOL-FIT 2.0 Push System Ball valve

### Model:

- Ball valve with spindle extension
- Insulation shell of EPP with TPE jacket
- Colour: black
- Package contents: 1x ball valve, 2x adaptors, 2x compression rings, 1x insulation shell

| d<br>(mm) | D<br>(mm) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | z<br>(mm) | H<br>(mm) | M1<br>(mm) | M2<br>(mm) | Dos<br>(mm) |
|-----------|-----------|------------|-------------|--------------------|----|----------------|--------------|-----------|-----------|------------|------------|-------------|
| 16        | 44        | 12         | 16          | <b>138 984 005</b> | 1  | 0.739          | 232          | 97        | 108       | 14         | 84         | 69          |
| 20        | 48        | 15         | 16          | <b>138 984 006</b> | 1  | 0.732          | 232          | 97        | 108       | 14         | 84         | 69          |
| 25        | 54        | 20         | 16          | <b>138 984 007</b> | 1  | 1.155          | 246          | 116       | 111       | 14         | 84         | 86          |
| 32        | 61        | 25         | 16          | <b>138 984 008</b> | 1  | 1.145          | 246          | 116       | 111       | 14         | 84         | 86          |

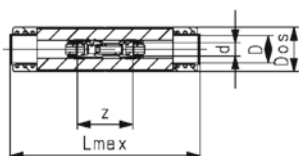


## COOL-FIT 2.0 Push System Flow control valve Both sides connection with Eurocone

### Model:

- Flow control valve made of brass, impact resistant plastic and EPDM seals
- Both sides connection to COOL-FIT 2.0 Push System
- Measuring accuracy:  $\pm 10\%$  of the displayed value
- Insulation made of NBR and shells of TPE
- Package contents: 1x valve, 2x adaptors, 2x compression rings, 1x insulation shell

| d<br>(mm) | D<br>(mm) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | z<br>(mm) | Dos<br>(mm) |
|-----------|-----------|------------|-------------|--------------------|----|----------------|--------------|-----------|-------------|
| 16        | 44        | 12         | 10          | <b>138 984 025</b> | 1  | 0.625          | 252          | 82        | 69          |
| 20        | 48        | 15         | 10          | <b>138 984 026</b> | 1  | 0.669          | 252          | 86        | 69          |

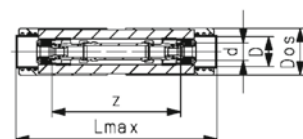


## COOL-FIT 2.0 Push System Flow control valve Both sides connection with iFIT

### Model:

- Flow control valve made of brass, impact resistant plastic and EPDM seals
- Both sides connection to COOL-FIT 2.0 Push System
- Measuring accuracy:  $\pm 10\%$  of the displayed value
- Insulation made of NBR and shells of TPE
- Package contents: 1x valve, 2x adaptors, 2x compression rings, 1x insulation shell

| d<br>(mm) | D<br>(mm) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | z<br>(mm) | Dos<br>(mm) |
|-----------|-----------|------------|-------------|--------------------|----|----------------|--------------|-----------|-------------|
| 25        | 54        | 20         | 10          | <b>138 984 027</b> | 1  | 1.338          | 332          | 238       | 86          |
| 32        | 61        | 25         | 10          | <b>138 984 028</b> | 1  | 1.328          | 332          | 238       | 86          |

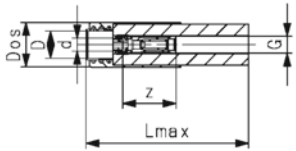




### COOL-FIT 2.0 Push System Flow control valve With Eurocone and G-thread connection

**Model:**

- Flow control valve made of brass, impact resistant plastic and EPDM seals
- One side connection to COOL-FIT 2.0 Push System
- One side connection with thread
- Measuring accuracy:  $\pm 10\%$  of the displayed value
- Insulation made of NBR and shells of TPE
- Package contents: 1x valve, 1x adaptor, 1x compression ring, 1x insulation shell



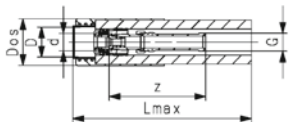
| d<br>(mm) | D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | z<br>(mm) | Dos<br>(mm) |
|-----------|-----------|-------------|----------------|------------|-------------|--------------------|----|----------------|--------------|-----------|-------------|
| 16        | 44        | G           | 3/4            | 12         | 10          | <b>138 984 015</b> | 1  | 0.426          | 252          | 72        | 69          |
| 20        | 48        | G           | 3/4            | 15         | 10          | <b>138 984 016</b> | 1  | 0.448          | 252          | 83        | 69          |



### COOL-FIT 2.0 Push System Flow control valve With iFIT and G-thread connection

**Model:**

- Flow control valve made of brass, impact resistant plastic and EPDM seals
- One side connection to COOL-FIT 2.0 Push System
- One side connection with thread
- Measuring accuracy:  $\pm 10\%$  of the displayed value
- Insulation made of NBR and shells of TPE
- Package contents: 1x valve, 1x adaptor, 1x compression ring, 1x insulation shell



| d<br>(mm) | D<br>(mm) | Thread Type | Size<br>(inch) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | z<br>(mm) | Dos<br>(mm) |
|-----------|-----------|-------------|----------------|------------|-------------|--------------------|----|----------------|--------------|-----------|-------------|
| 25        | 54        | G           | 1              | 20         | 10          | <b>138 984 017</b> | 1  | 0.887          | 332          | 179       | 86          |
| 32        | 61        | G           | 1              | 25         | 10          | <b>138 984 018</b> | 1  | 0.882          | 332          | 179       | 86          |



# COOL-FIT 2.0 Push System Accessories



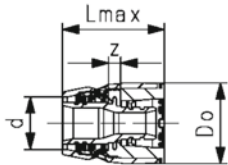
## COOL-FIT 2.0 Push System Adaptor kit

### Model:

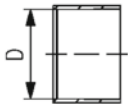
- Adapter made of high-performance plastic PPSU
- Compression ring made of PP-H
- Package contents: 1x adaptor, 1x compression ring

### Note:

Additionally needed for COOL-FIT 2.0 Push System, T 90° equal and T90° reduced

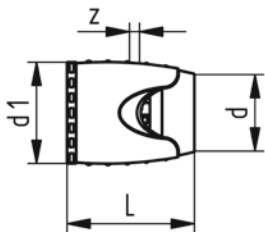


| d<br>(mm) | D<br>(mm) | DN<br>(mm) | PN<br>(bar) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) | z<br>(mm) | Do<br>(mm) |
|-----------|-----------|------------|-------------|--------------------|----|----------------|--------------|-----------|------------|
| 16        | 44        | 12         | 16          | <b>738 904 055</b> | 1  | 0.045          | 48           | 4.5       | 29         |
| 20        | 48        | 15         | 16          | <b>738 904 056</b> | 1  | 0.039          | 49           | 4.5       | 33         |
| 25        | 54        | 20         | 16          | <b>738 904 057</b> | 1  | 0.104          | 62           | 7.5       | 44         |
| 32        | 61        | 25         | 16          | <b>738 904 058</b> | 1  | 0.099          | 63           | 7.5       | 50         |



## iFIT Adaptor PPSU

- Material: PPSU, PA



| d<br>(mm) | d1<br>(mm) | Code               | SP | Weight<br>(kg) | L<br>(mm) | z<br>(mm) |
|-----------|------------|--------------------|----|----------------|-----------|-----------|
| 16        | 30         | <b>762 101 030</b> | 10 | 0.024          | 48        | 5         |
| 20        | 34         | <b>762 101 031</b> | 10 | 0.028          | 49        | 5         |
| 25        | 45         | <b>762 101 034</b> | 5  | 0.070          | 62        | 8         |
| 32        | 52         | <b>762 101 035</b> | 5  | 0.085          | 63        | 8         |

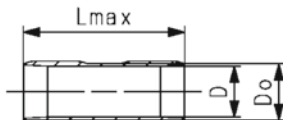


### COOL-FIT 2.0 Push System Pipe shell

**Model:**

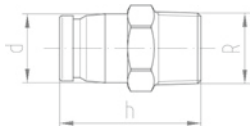
- Shell for easy installation in standard pipe clips

| d<br>(mm) | D<br>(mm) | Do<br>(mm) | Code               | SP | Weight<br>(kg) | Lmax<br>(mm) |
|-----------|-----------|------------|--------------------|----|----------------|--------------|
| 16        | 44        | 52         | <b>738 014 005</b> | 50 | 0.080          | 200          |
| 20        | 48        | 56         | <b>738 014 006</b> | 40 | 0.086          | 200          |
| 25        | 54        | 62         | <b>738 014 007</b> | 30 | 0.096          | 200          |
| 32        | 61        | 69         | <b>738 014 008</b> | 30 | 0.107          | 200          |



### iFIT Transition module brass With male thread

- Material: brass, dezincification resistant
- Connection: male thread
- \*as long as stock last

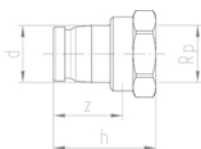


|   | d<br>(mm) | Thread Type | Size<br>(inch) | Code               | SP | Weight<br>(kg) | h<br>(mm) |
|---|-----------|-------------|----------------|--------------------|----|----------------|-----------|
| * | 16 - 20   | R           | 3/8            | <b>762 101 346</b> | 5  | 0.057          | 42        |
| * | 16 - 20   | R           | 1/2            | <b>762 101 265</b> | 10 | 0.060          | 42        |
| * | 16 - 20   | R           | 3/4            | <b>762 101 266</b> | 10 | 0.071          | 43        |
| * | 25 - 32   | R           | 3/4            | <b>762 101 277</b> | 2  | 0.135          | 51        |
| * | 25 - 32   | R           | 1              | <b>762 101 278</b> | 2  | 0.175          | 55        |

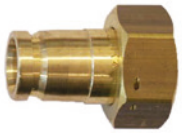


### iFIT Transition module brass With female thread

- Material: brass, dezincification resistant
- Connection: female thread
- \*as long as stock last

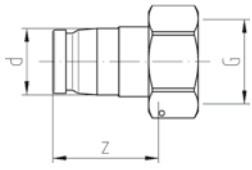


|   | d<br>(mm) | Thread Type | Size<br>(inch) | Code               | SP | Weight<br>(kg) | h<br>(mm) | z<br>(mm) |
|---|-----------|-------------|----------------|--------------------|----|----------------|-----------|-----------|
| * | 16 - 20   | Rp          | 1/2            | <b>762 101 267</b> | 10 | 0.065          | 36        | 23        |
| * | 16 - 20   | Rp          | 3/4            | <b>762 101 268</b> | 10 | 0.085          | 39        | 24        |
| * | 25 - 32   | Rp          | 3/4            | <b>762 101 279</b> | 2  | 0.127          | 45        | 31        |
| * | 25 - 32   | Rp          | 1              | <b>762 101 280</b> | 2  | 0.175          | 49        | 32        |



**iFIT Transition union module brass**  
**With flat sealed**

- Material: brass, dezincification resistant  
 Supplied with sealing



| <b>d</b><br>(mm) | <b>Thread Type</b> | <b>Size</b><br>(inch) | <b>Code</b>        | <b>SP</b> | <b>Weight</b><br>(kg) | <b>z</b><br>(mm) |
|------------------|--------------------|-----------------------|--------------------|-----------|-----------------------|------------------|
| 16 - 20          | G                  | ½                     | <b>762 101 276</b> | 2         | 0.070                 | 41               |
| 16 - 20          | G                  | ¾                     | <b>762 101 273</b> | 5         | 0.064                 | 35               |
| 25 - 32          | G                  | ¾                     | <b>762 101 281</b> | 2         | 0.155                 | 48               |
| 25 - 32          | G                  | 1                     | <b>762 101 282</b> | 1         | 0.179                 | 55               |
| 25 - 32          | G                  | 1 ¼                   | <b>762 101 283</b> | 1         | 0.251                 | 48               |
| 25 - 32          | G                  | 1 ½                   | <b>762 101 284</b> | 1         | 0.357                 | 50               |

# COOL-FIT 2.0 Push System Tools



## iFIT Tool set for ML- and PB pipes plastic

d16 / d20 with pipe scissor, d25 / d32 with pipe cutter

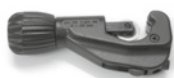
| d<br>(mm) | Code               | SP | Weight<br>(kg) |
|-----------|--------------------|----|----------------|
| 16 / 20   | <b>762 101 122</b> | 1  | 1.163          |
| 25 / 32   | <b>762 101 133</b> | 1  | 1.371          |



## iFIT Chamfering tool for ML- and PB pipes

- Material: steel, plastic

| d<br>(mm) | Code               | SP | Weight<br>(kg) |
|-----------|--------------------|----|----------------|
| 16        | <b>762 101 116</b> | 1  | 0.188          |
| 20        | <b>762 101 120</b> | 1  | 0.205          |
| 25        | <b>762 101 125</b> | 1  | 0.252          |
| 32        | <b>762 101 132</b> | 1  | 0.323          |



## iFIT plastic pipe cutter For ML- and PB pipes d16-d32

| d<br>(mm)    | Code               | SP | Weight<br>(kg) |
|--------------|--------------------|----|----------------|
| 16 - 32      | <b>762 101 117</b> | 1  | 0.386          |
| Spare blades | <b>762 101 118</b> | 1  | 0.005          |



## iFIT Chamfering tool to battery tools metal

| d<br>(mm) | Code               | SP | Weight<br>(kg) |
|-----------|--------------------|----|----------------|
| 16        | <b>762 101 351</b> | 1  | 0.188          |
| 20        | <b>762 101 352</b> | 1  | 0.205          |
| 25        | <b>762 101 353</b> | 1  | 0.252          |
| 32        | <b>762 101 354</b> | 1  | 0.323          |



## iFIT Grab rail set metal

| d<br>(mm) | Code               | SP | Weight<br>(kg) |
|-----------|--------------------|----|----------------|
| 16 - 32   | <b>762 101 361</b> | 1  | 0.050          |



**iFIT Quick-change insert metal**

| d<br>(mm) | Code               | SP | Weight<br>(kg) |
|-----------|--------------------|----|----------------|
| 16 - 32   | <b>762 101 362</b> | 1  | 0.039          |



**iFIT Tool case empty plastic  
For chamfering tool**

| d<br>(mm) | Code               | SP | Weight<br>(kg) |
|-----------|--------------------|----|----------------|
| 16 - 32   | <b>762 101 363</b> | 1  | 2.000          |



**iFIT Outside pipe bending tool metal  
For ML pipes**

- Material: metal

| d<br>(mm) | Code               | SP | Weight<br>(kg) | L<br>(mm) |
|-----------|--------------------|----|----------------|-----------|
| 16        | <b>762 101 112</b> | 1  | 0.442          | 500       |
| 20        | <b>762 101 113</b> | 1  | 0.541          | 500       |
| 25        | <b>762 101 114</b> | 1  | 0.636          | 500       |
| 32        | <b>762 101 115</b> | 1  | 0.798          | 500       |