

With **ecoFITTOM®**, the first **fittings** in the world in **PVC-O**, **Molecor** offers a continuous system in **PVC-O**; this material continuity guarantees the same hydraulic and mechanical properties in the different elements of the network, in the pipes as well as in the fittings. Moreover **ecoFITTOM PVC-O fittings** are fully compatible with PVC-U pipes (EN 1452) and with pipes of other materials.

These fittings are manufactured according to the Spanish Standard **UNE-CEN/TS 17176-3:2019** "Plastics piping systems for water supply and for buried and above ground drainage, sewerage and irrigation under pressure - Oriented unplasticized poly(vinyl chloride) (**PVC-O**) - Part 3: Fittings", based on the European specification **CEN/TS 17176-3** and can be used in networks for the transportation of drinking water, irrigation systems, industrial applications, sewage, infrastructure networks, fire protection nets, etc. among other applications.

AENOR Product certification nº 001/007103 according to **UNE-CEN/TS 17176-3:2019**.  Mark

ecoFITTOM® are provided with a proven watertightness seal that includes a polypropylene ring and a synthetic rubber lip which allows the seal to be integrated with the fitting, avoiding joint displacement or movement while the installation is taking place.

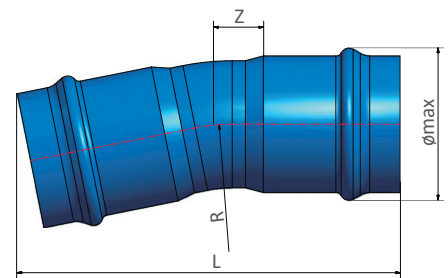
Technical specifications

| Body | Seal type | PN Classification (bar) |
|---|--------------------------------------|-------------------------|
| Oriented unplasticized poly(vinyl chloride) (PVC-O) | Elastomer EPDM with PP stiffner ring | 16 |
| | Standard: EN 681-1 | |

Product range

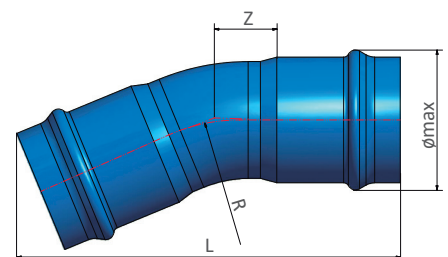
11,25° Socketed bend

| DN | PN | Reference | ømax | L (mm) | Z (mm) | Radius (mm) | Weight (Kg) |
|------|-------|------------|------|--------|--------|-------------|-------------|
| 110 | 10/16 | F110C1116B | 140 | 460 | 50 | 165 | 0.89 |
| 160 | 10/16 | F160C1116B | 200 | 540 | 65 | 240 | 2.11 |
| 200 | 10/16 | F200C1116B | 245 | 600 | 75 | 300 | 3.81 |
| 225* | 10/16 | F225C1116B | 270 | 645 | 85 | 340 | 5.00 |
| 250 | 10/16 | F250C1116B | 305 | 695 | 90 | 375 | 6.65 |
| 315 | 10/16 | F315C1116B | 375 | 815 | 110 | 475 | 12.50 |
| 400 | 10/16 | F400C1116B | 475 | 940 | 135 | 600 | 23.20 |



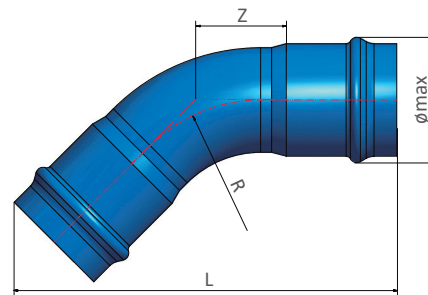
22,5° Socketed bend

| DN | PN | Reference | ømax | L (mm) | Z (mm) | Radius (mm) | Weight (Kg) |
|------|-------|------------|------|--------|--------|-------------|-------------|
| 110 | 10/16 | F110C2216B | 140 | 490 | 65 | 165 | 0.96 |
| 160 | 10/16 | F160C2216B | 200 | 585 | 90 | 240 | 2.37 |
| 200 | 10/16 | F200C2216B | 245 | 660 | 105 | 300 | 4.20 |
| 225* | 10/16 | F225C2216B | 270 | 710 | 120 | 340 | 5.60 |
| 250 | 10/16 | F250C2216B | 305 | 770 | 130 | 375 | 7.49 |
| 315 | 10/16 | F315C2216B | 375 | 915 | 155 | 475 | 14.04 |
| 400 | 10/16 | F400C2216B | 475 | 1070 | 195 | 600 | 26.35 |



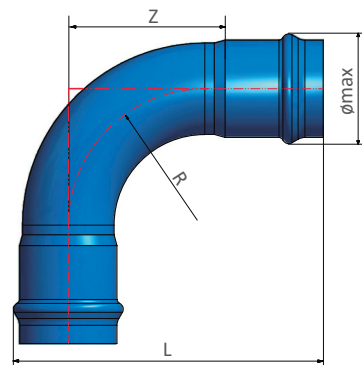
45° Socketed bend

| DN | PN | Reference | ømax | L (mm) | Z (mm) | Radius (mm) | Weight (Kg) |
|------|-------|------------|------|--------|--------|-------------|-------------|
| 110 | 10/16 | F110C4516B | 140 | 600 | 145 | 300 | 1.30 |
| 160 | 10/16 | F160C4516B | 200 | 640 | 140 | 240 | 2.71 |
| 200 | 10/16 | F200C4516B | 245 | 735 | 170 | 300 | 4.99 |
| 225* | 10/16 | F225C4516B | 270 | 840 | 195 | 340 | 7.00 |
| 250 | 10/16 | F250C4516B | 305 | 875 | 210 | 375 | 9.03 |
| 315 | 10/16 | F315C4516B | 375 | 940 | 140 | 300 | 14.87 |
| 400 | 10/16 | F400C4516B | 475 | 1250 | 330 | 600 | 32.64 |



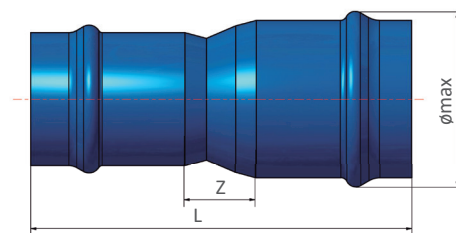
90° Socketed bend

| DN | PN | Reference | ømax | L (mm) | Z (mm) | Radius (mm) | Weight (Kg) |
|------|-------|------------|------|--------|--------|-------------|-------------|
| 110 | 10/16 | F110C9016B | 143 | 450 | 200 | 165 | 1.35 |
| 160 | 10/16 | F160C9016B | 198 | 565 | 275 | 240 | 3.52 |
| 200 | 10/16 | F200C9016B | 244 | 680 | 345 | 300 | 6.56 |
| 225* | 10/16 | F225C9016B | 270 | 750 | 370 | 340 | 9.00 |
| 250* | 10/16 | F250C9016B | 305 | 800 | 430 | 375 | 12.10 |
| 315* | 10/16 | F315C9016B | 375 | 850 | 380 | 315 | 19.16 |
| 400* | 10/16 | F400C9016B | 472 | 900 | 375 | 300 | 32.64 |



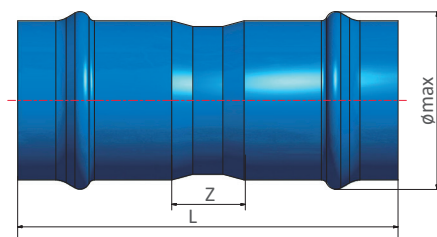
Socketed reducer

| DN/DN | PN | Reference | ømax | L (mm) | Z (mm) | Weight (Kg) |
|-----------|-------|-------------|------|--------|--------|-------------|
| 110 / 90 | 10/16 | F110R09016B | 140 | 385 | 55 | 0.78 |
| 160 / 110 | 10/16 | F160R11016B | 200 | 480 | 105 | 1.95 |
| 160 / 140 | 10/16 | F160R14016B | 200 | 455 | 60 | 1.78 |
| 200 / 160 | 10/16 | F200R16016B | 245 | 525 | 100 | 3.33 |
| 250 / 200 | 10/16 | F250R20016B | 305 | 585 | 120 | 5.95 |
| 315 / 250 | 10/16 | F315R25016B | 375 | 690 | 155 | 11.05 |
| 400 / 315 | 10/16 | F400R31516B | 475 | 790 | 155 | 19.39 |



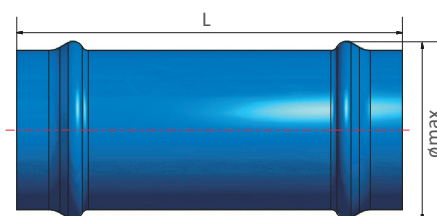
Coupler

| DN | PN | Reference | ømax | L (mm) | Z (mm) | Weight (Kg) |
|------|-------|-----------|------|--------|--------|-------------|
| 110 | 10/16 | F110M16B | 140 | 420 | 70 | 0.83 |
| 160 | 10/16 | F160M16B | 200 | 490 | 85 | 1.91 |
| 200 | 10/16 | F200M16B | 245 | 530 | 95 | 3.41 |
| 225* | 10/16 | F225M16B | 270 | 580 | 115 | 4.50 |
| 250 | 10/16 | F250M16B | 305 | 620 | 120 | 6.06 |
| 315 | 10/16 | F315M16B | 375 | 715 | 145 | 11.34 |
| 400 | 10/16 | F400M16B | 475 | 820 | 190 | 21.12 |



Sliding coupler

| DN | PN | Reference | ømax | L (mm) | Z (mm) | Weight (Kg) |
|------|-------|-----------|------|--------|--------|-------------|
| 110 | 10/16 | F110MR16B | 140 | 420 | - | 0.83 |
| 160 | 10/16 | F160MR16B | 200 | 490 | - | 1.91 |
| 200 | 10/16 | F200MR16B | 245 | 530 | - | 3.41 |
| 225* | 10/16 | F225MR16B | 270 | 580 | - | 4.50 |
| 250 | 10/16 | F250MR16B | 305 | 620 | - | 6.06 |
| 315 | 10/16 | F315MR16B | 375 | 715 | - | 11.34 |
| 400 | 10/16 | F400MR16B | 475 | 820 | - | 21.12 |



* Available under request

These data may be subject to variation according to manufacturing tolerances.

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