

Flexible bend

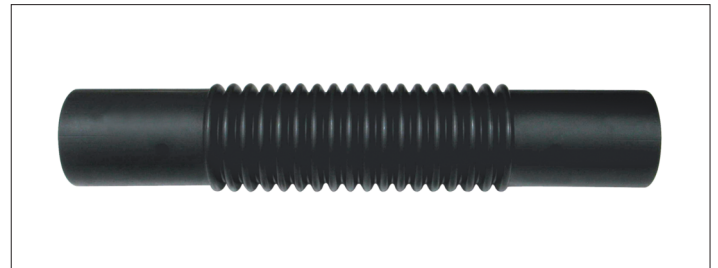
Flexible bend is designed for changing the direction of the preinsulated pipeline to any angle between 0°-90°. It is meant for jacket pipes of diam. 90 mm to - 250 mm. The change of the pipeline's direction is necessary during the construction of the pipeline network due to some specific land shape or some existing obstacles.

In this situation the preinsulated 15°, 30°, 45°, 60°, 75°, 90 bends are installed with the use of two standard joints. Of course, such a solution has a significant impact on the cost of the investment.

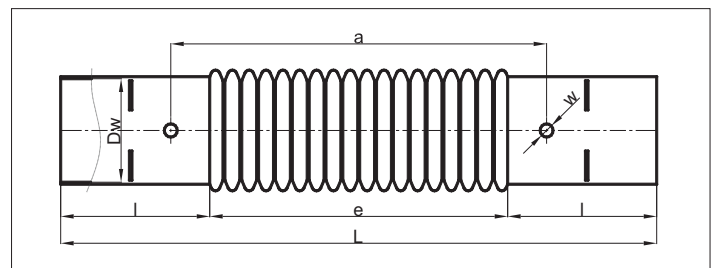
The alternative solution is a flexible bend joint which allows for re-directing of the pipeline to any angle, which eliminates the use of e.g. six different preinsulated bends along with the required joints.

Analogically to the reduction joint, the main advantage of this solution is the low cost of installation thanks to the reduced number of straight joints and steel bends in favour of the flexible joint. The flexible bend is produced from radiation crosslinked polyethylene which results in shape memory and high shrinking strength. These features guarantee performing the reliable and tight bend joint. Upon heating the accordion-folded middle part may be bent to maximum 90°.

Radiation crosslinked, for PUR liquid foaming, for preinsulated pipeline systems



Material - black high-density polyethylene (HDPE), radiation crosslinked



Product name	Fits to casing pipe Dz [mm]	Internal diameter Dw [mm]	Length L [mm]	Straight part length l [mm]	Hole spacing a [mm]	Flexible part length e ¹⁾ [mm]	Foaming hole diameter w [mm]	Item number
Flexible bend 90	90	110 ^{±1}	840 ^{±10}	220 ^{±10}	535 ^{±10}	400	20	7809010000020
Flexible bend 110	110	135 ^{±2}	895 ^{±10}	220 ^{±5}	590 ^{±10}	455	20	7811010000020
Flexible bend 125	125	151 ^{±2}	925 ^{±10}	220 ^{±5}	610 ^{±10}	485	20	7812510000020
Flexible bend 140	140	166 ^{±2}	930 ^{±10}	220 ^{±5}	610 ^{±10}	490	20	7814010000020
Flexible bend 160	160	187 ^{±2}	930 ^{±10}	220 ^{±5}	610 ^{±10}	490	20	7816010000020
Flexible bend 200	200	225 ^{±2}	1055 ^{±20}	220 ^{±5}	755 ^{±10}	615	20	7820010000020
Flexible bend 225/250	225/250	275 ^{±2}	1190 ^{±20}	220 ^{±5}	890 ^{±10}	750	20	7822510000020

¹⁾ approximate size

Flexible bend set includes:

- integrated mastic,
- air vent plugs - 2 pcs.,
- pressure-welded plugs - 2 pcs.,
- cleaning tissues - 2 pcs.



Additional accessories available on request.

■ It carries the Certificate regarding soil load (sand box) for 100 cycles according to PN-EN 489:2009.