ISO 9001 : 2015
BUREAU VERITAS
Certification

**REF. 2503**

# WATER SUPPLY FLANGE ADAPTOR DUCTILE IRON PN10/16 FOR PVC/PE PIPES

Water supply flange adaptor ductile iron PN10/16 for water supply, drinking water, watering and distribution networks.
With stop for wafer butterfly valves installation.
Direct mounting on pipe without dismantling the fitting.
With brass locking ring.
French water agreement ACS for drinking water.

| | |
|---|---|
| **Size :** | DN50 to DN300 |
| **Connection :** | Flange PN10/16 RF |
| **Min Temperature :** | +0°C |
| **Max Temperature :** | +60°C |
| **Max Pressure :** | 16 Bars up to DN200, 10 bars over |
| **Specifications :** | Ductile iron body<br>Direct mounting on the pipe<br>With stop (according to DN)<br>EPDM gasket |
| **Materials :** | Ductile iron EN GJS-500-7 |

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# WATER SUPPLY FLANGE ADAPTOR DUCTILE IRON PN10/16 FOR PVC/PE PIPES

***SPECIFICATIONS :***

- Ductile iron body
- EPDM gasket
- With stop (excepted for Ø63, 75, 125, 140 and 250)
- With brass locking ring
- Anti-corrosion Geomet 500 grade B coated bolting
- Epoxy painting blue color RAL 5017, 250µ thickness

***USE:***

- Water supply, drinking water, watering and distribution networks
- Suitable for PVC and PE pipes
- Min and max Temperature Ts : + 0°C to + 60°C
- Max Pressure Ps : 16 bars up to DN200, 10 bars over

***RANGE :***

- Flange adaptor for PVC and PE pipes flanged PN10/16
  **Ref.2503** from DN 50-D.63 to DN 300-D.315

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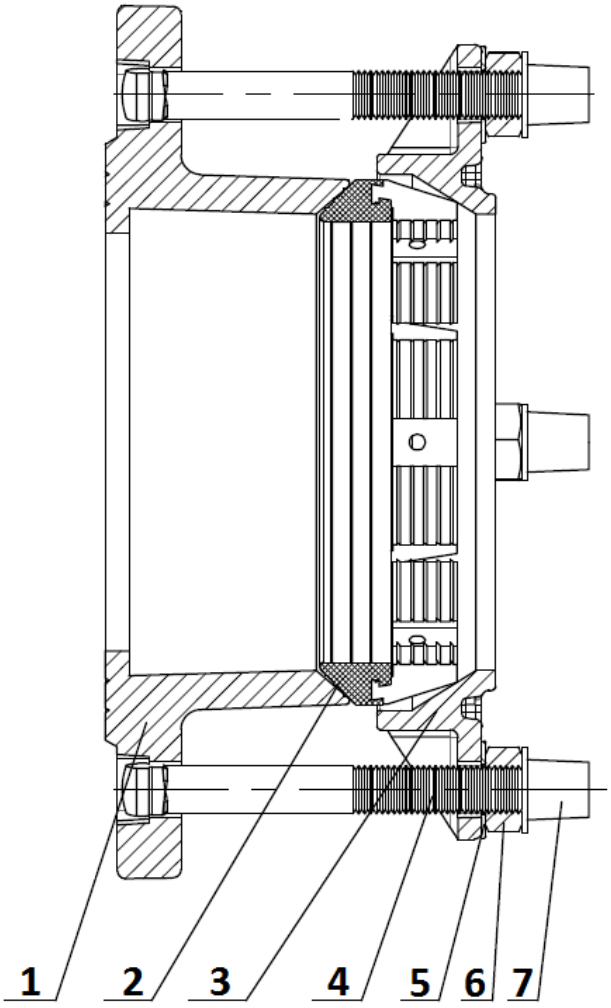
# WATER SUPPLY FLANGE ADAPTOR DUCTILE IRON PN10/16 FOR PVC/PE PIPES

***MATERIALS :***




| Item | Designation | Materials |
|---|---|---|
| 1 | Body | Ductile iron EN GJS-500-7 |
| 2 | Gasket | EPDM + brass |
| 3 | Flange | Ductile iron EN GJS-500-7 |
| 4 | Screw | Carbon steel Geomet 500 Grade B coated Class 8.8 |
| 5 | Washer | |
| 6 | Nut | |
| 7 | Cap | Plastic |

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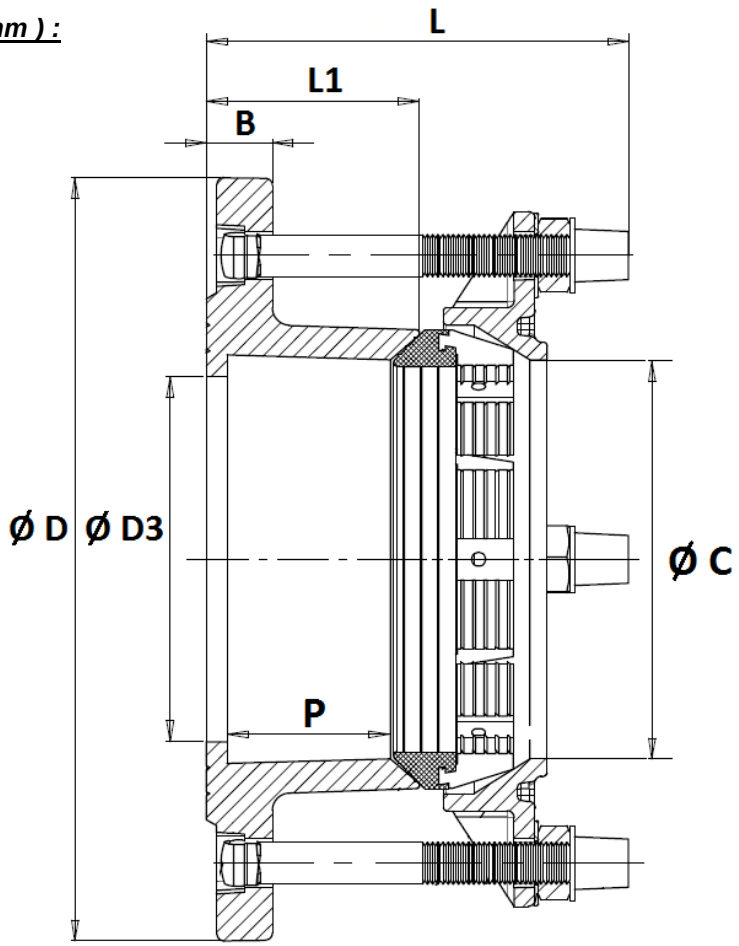
## WATER SUPPLY FLANGE ADAPTOR DUCTILE IRON PN10/16 FOR PVC/PE PIPES

***SIZE DN50-150 ( in mm ) :***




| DN | 50/60/65 | 60/65 | 80 | 100 | 100/125 | 125 | 150 | 150 |
|---|---|---|---|---|---|---|---|---|
| Ø Pipe | 63 | 75 | 90 | 110 | 125 | 140 | 160 | 180 |
| Ø D | 180 | 180 | 200 | 220 | 250 | 250 | 285 | 285 |
| Ø D3 | 55 | 66 | 84 | 105 | 110/125* | 125 | 154 | 169 |
| Ø C | 66 | 79 | 93 | 115 | 127 | 143 | 164 | 185 |
| P | 57 | 57 | 50 | 47 | 50 | 50 | 50 | 55 |
| L | 130 | 130 | 130 | 130 | 130 | 130 | 140 | 132 |
| L1 | 63 | 63 | 63 | 61 | 63 | 63 | 63 | 69 |
| B | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| Screw | M12x115 | M12x115 | M12x115 | M12x115 | M12x115 | M12x115 | M14x125 | M14x170 |
| Nb of screw | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Weight (Kg) | 4.1 | 3.6 | 4.6 | 5.6 | 6.6 | 7.1 | 8.7 | 7.3 |
| Ref. | 2503063 | 2503075 | 2503090 | 2503110 | 2503125 | 2503140 | 2503160 | 2503180 |

***modification in progress : from diameter 110 to 125 mm***

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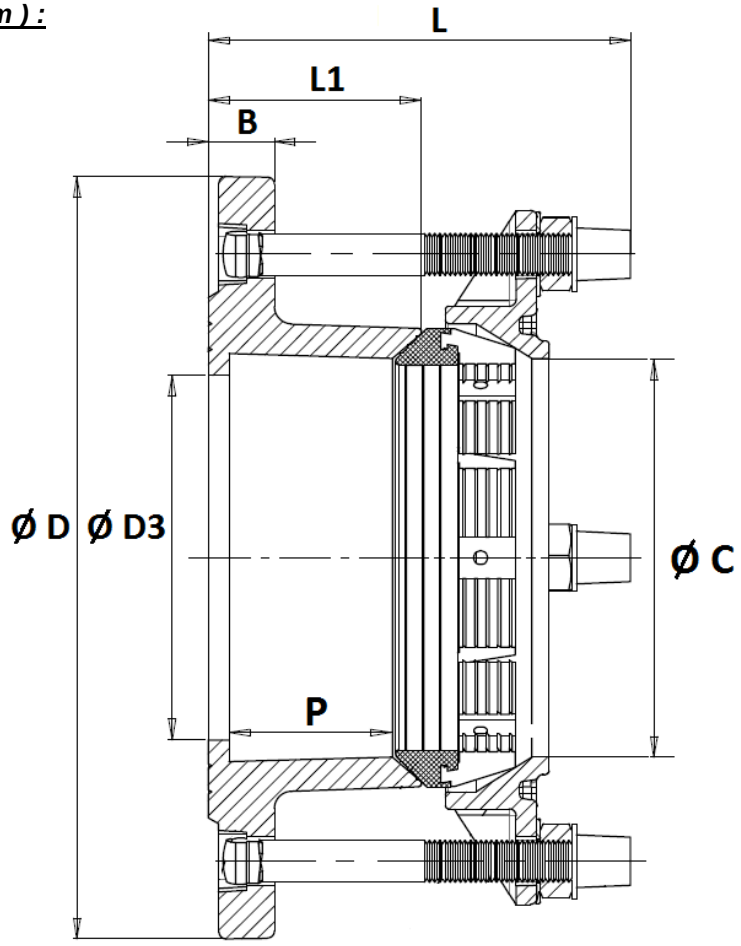
## WATER SUPPLY FLANGE ADAPTOR DUCTILE IRON PN10/16 FOR PVC/PE PIPES

***SIZE DN200-300 ( in mm ) :***




| DN | 200 | 200 | 250 | 250 | 300 |
|---|---|---|---|---|---|
| Ø Pipe | 200 | 225 | 250 | 280 | 315 |
| Ø D | 340 | 340 | 400 | 400 | 455 |
| Ø D3 | 210 | 210 | 250 | 275 | 302 |
| Ø C | 204 | 230 | 255 | 283 | 318 |
| P | 50 | 70 | 70 | 70 | 66 |
| L | 140 | 180 | 180 | 180 | 180 |
| L1 | 63 | 88 | 88 | 88 | 88 |
| B | 19 | 20 | 22 | 22 | 24 |
| Screw | M14x125 | M16x160 | M16x160 | M16x160 | M16x160 |
| Nb of screw | 4 | 4 | 6 | 6 | 6 |
| Weight (Kg) | 11.2 | 15.3 | 19.9 | 19.9 | 24 |
| Ref. | 2503200 | 2503225 | 2503250 | 2503280 | 2503315 |

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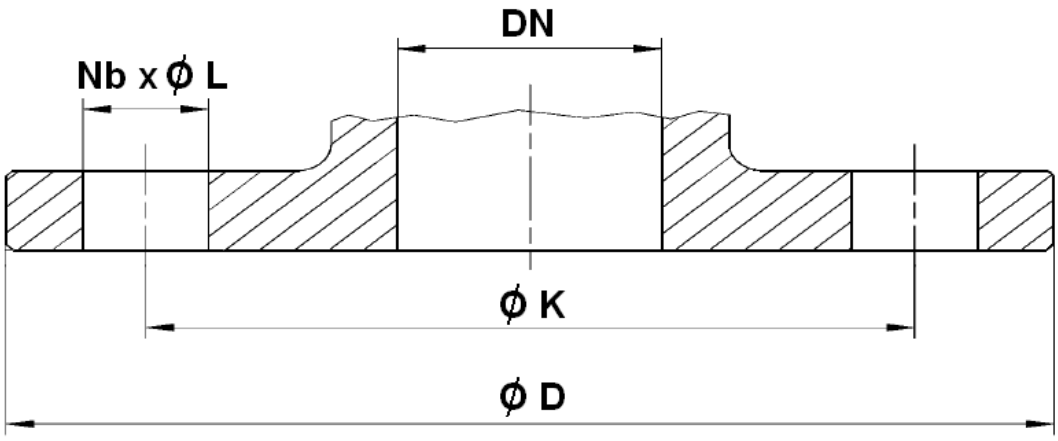
# WATER SUPPLY FLANGE ADAPTOR DUCTILE IRON PN10/16 FOR PVC/PE PIPES

***FLANGES SIZE ( in mm ) :***




***PN10 ( in mm ) :***

| DN | 50 | 60 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø D | 180 | 180 | 180 | 200 | 220 | 250 | 285 | 340 | 400 | 455 |
| Ø K | 125 | 135 | 145 | 160 | 180 | 210 | 240 | 295 | 350 | 400 |
| Nb x Ø L | 4 x 19 | 4 x 19 | 4 x 19 | 8 x 19 | 8 x 19 | 8 x 19 | 8 x 23 | 8 x 23 | 12 x 23 | 12 x 23 |

***PN16 ( in mm ) :***

| DN | 50 | 60 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
|---|---|---|---|---|---|---|---|---|---|---|
| Ø D | 180 | 180 | 180 | 200 | 220 | 250 | 285 | 340 | 400 | 455 |
| Ø K | 125 | 135 | 145 | 160 | 180 | 210 | 240 | 295 | 355 | 410 |
| Nb x Ø L | 4 x 19 | 4 x 19 | 4 x 19 | 8 x 19 | 8 x 19 | 8 x 19 | 8 x 23 | 12 x 23 | 12 x 28 | 12 x 28 |

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# WATER SUPPLY FLANGE ADAPTOR DUCTILE IRON PN10/16 FOR PVC/PE PIPES

***STANDARDS :***

- Manufacturer certified ISO 9001 : 2015
- Directive 2014/68/EU : Products excluded from directive ( Article 1, § 2.b )
- Construction according to EN 14525
- Flanges according to EN 1092-2 PN10-16 and ISO 7005-2
- French water agreement **A.C.S. N° 18 ACC LY 203 from DN50 to DN315**
- English water agreement **WRAS**
- Pressure tests according to ISO 5208
- Fittings for PVC pipe according to NF EN 12842
- Bolting with anti-corrosion coating according to NF EN ISO 9227 + NFA05-109
- Coating according to RoHS 2002/95/CE

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# WATER SUPPLY FLANGE ADAPTOR DUCTILE IRON PN10/16 FOR PVC/PE PIPES

## ***ASSEMBLY INSTRUCTIONS***

### ***GENERAL RULES:***

- Make sure that the connectors are appropriate for the actual service conditions (type of fluid, pressure, temperature).

### ***ASSEMBLY INSTRUCTIONS:***

- Check that the outer diameter of the pipe matches the accepted diameter for the connector.
- Before assembly, check that the pipe and the connector are clean.
- Cut the pipe perpendicularly to the piping axis using an appropriate tool (do not bevel the pipe).
- Remove any possible burrs.
- The piping must be perfectly aligned and its support properly sized so that the connectors are not under any external constraints.
- Provisionally shim sections of piping that still lack their definitive supports. This prevents significant constraints being applied on the connectors.
- Fit the adaptor body on the pipe.
- The connection nuts and bolts must be tightened in a crosswise pattern with the following torque:
  M12: 55-65 Nm / M14: 85-95 Nm / M16: 95-120 Nm
- The connector thereby joined to the pipe should be connected with the corresponding flange (tap, T, etc.) by ensuring that the DN are the same.
- Maximum admissible angular deviation is ± 3°.