

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
Direct mounting on the pipe
With stop (according to DN)
EPDM gasket
- Materials :** Ductile iron EN GJS-500-7

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:

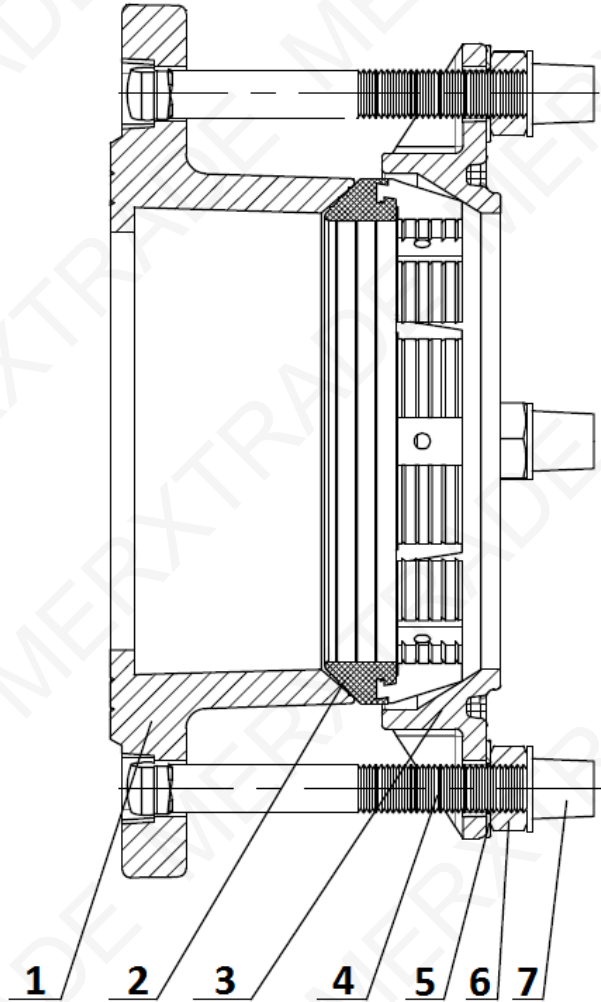
- Water supply, drinking water, watering and distribution networks
- Suitable for PVC and PE pipes
- Min and max Temperature Ts : + 0°C to + 60°C
- Max Pressure Ps : 16 bars up to DN200, 10 bars over

RANGE :

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

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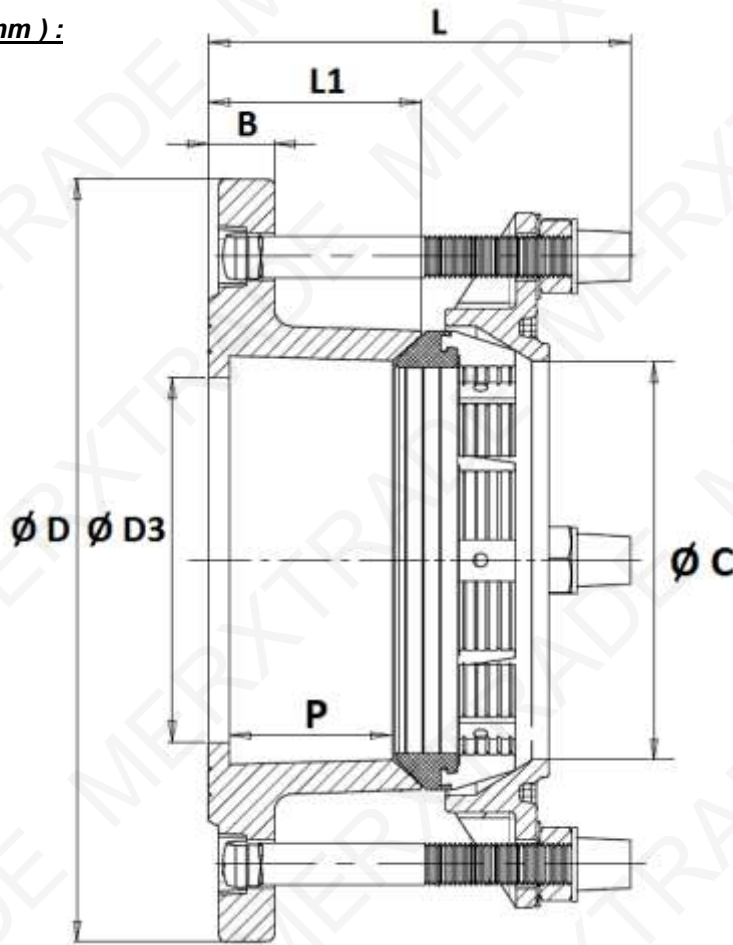
MATERIALS :



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

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

SIZE DN50-150 (in mm) :

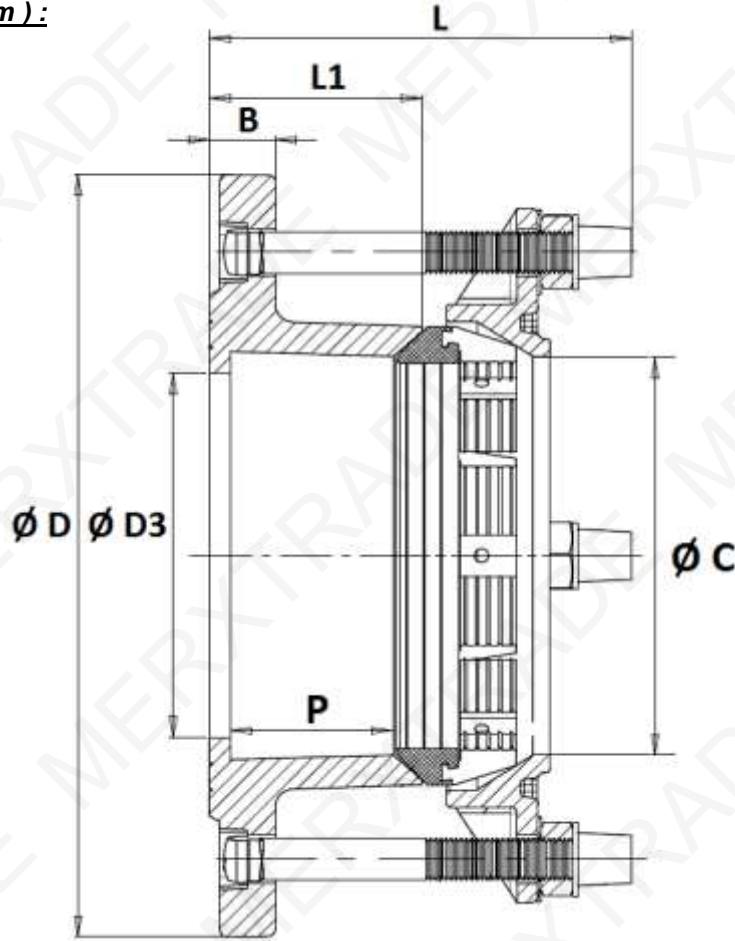


DN	50/60/65	60/65	80	100	100/125	125	150	150
Ø Pipe	63	75	90	110	125	140	160	180
Ø D	180	180	200	220	250	250	285	285
Ø D3	55	66	84	105	110/125*	125	154	169
Ø C	66	79	93	115	127	143	164	185
P	57	57	50	47	50	50	50	55
L	130	130	130	130	130	130	140	132
L1	63	63	63	61	63	63	63	69
B	19	19	19	19	19	19	19	19
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

*modification in progress : from diameter 110 to 125 mm

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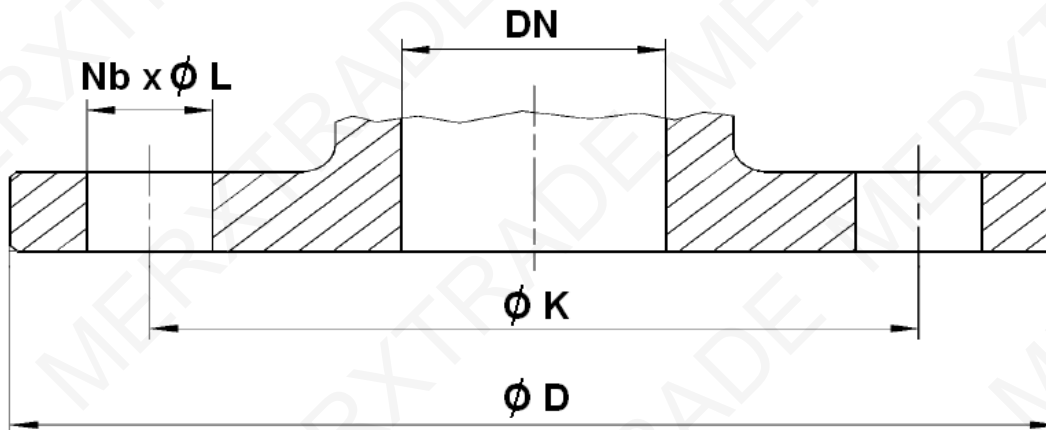
SIZE DN200-300 (in mm) :



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

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

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° 23 ACC LY 452**
- 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

ADVICE : Our opinion and our advice are not guaranteed and merxtrade shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.

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 $\pm 3^\circ$.