REF. 2501

WATER SUPPLY FLANGE ADAPTOR WITH STOP DUCTILE IRON PN10/16 FOR RIGID 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.
Wide range type allowing adaptation over a wide range of diameters with a single fitting.
French water agreement ACS for drinking water.

Size :	DN50 to DN400
Connection :	Flange PN10/16
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 EPDM gasket
Materials :	Ductile iron EN GJS-500-7

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SPECIFICATIONS :

- Ductile iron body
- EPDM gasket
- Installation on pipe without dismantling the coupling
- With stop
- Anti-corrosion Geomet 500 grade B coated bolting
- Epoxy painting blue color RAL 5017, 250µ thickness

USE:

- Water supply and distribution networks
- Suitable for rigid pipes, such as cast iron, carbon steel, PVC, asbestos cement
- Not suitable for PE pipes
- Min and max Temperature Ts : + 0°C to + 60°C
- Max Pressure Ps : 16 bars up to DN200, 10 bars over

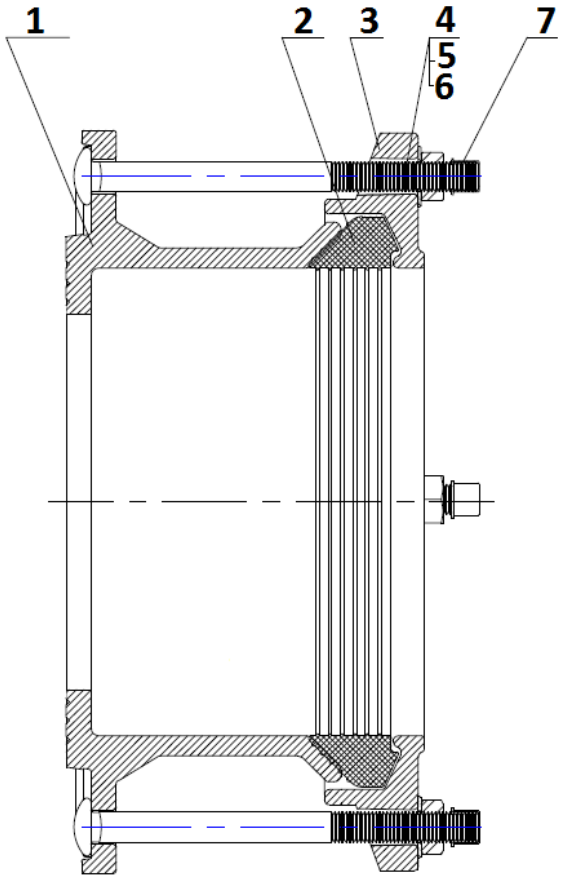
RANGE :

- Universal flange adaptor with stop for rigid pipes flanged PN10/16
  Ref.2501 from DN 50-D.58-74 to DN 400-D.436-462

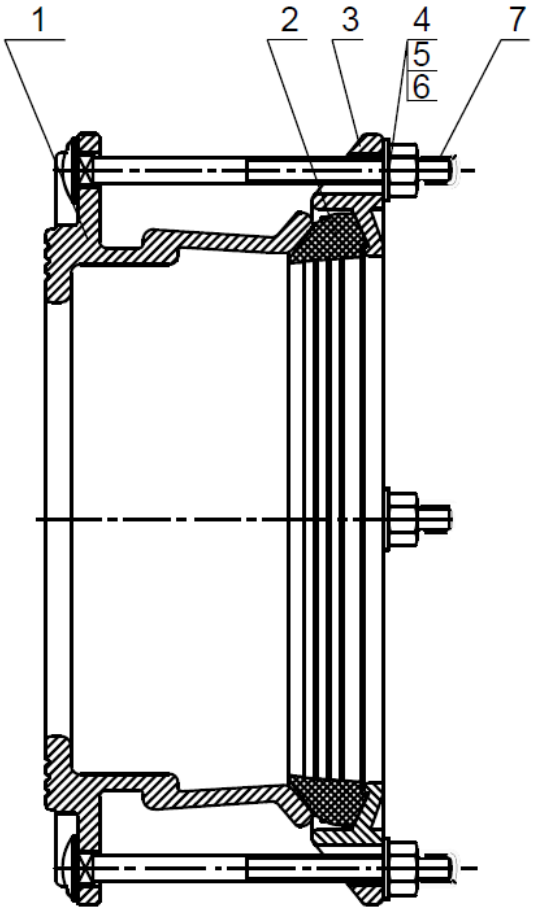
WATER SUPPLY FLANGE ADAPTOR WITH STOP DUCTILE IRON PN10/16 FOR RIGID PIPES

MATERIALS :

TYPE A



TYPE B

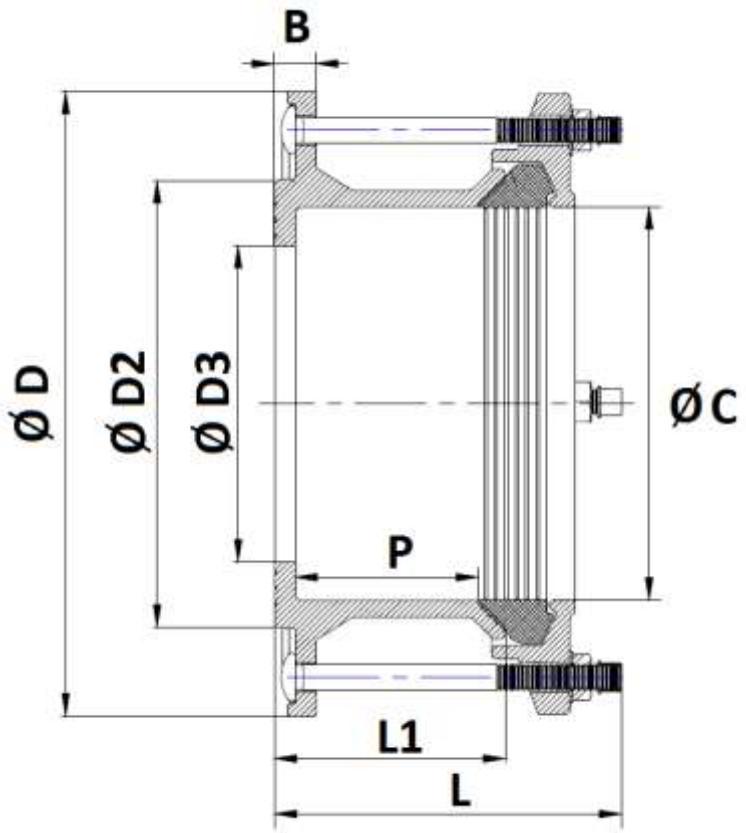


Item	Designation	Materials
1	Body	Ductile iron EN GJS-500-7
2	Gasket	EPDM
3	Flange	Ductile iron EN GJS-500-7
4	Screw	Carbon steel Geomet 500 Grade B coated Class 8.8
5	Washer	
6	Nut	
7	Cap	Plastic

Information provided as an indication and subject to possible modification

WATER SUPPLY FLANGE ADAPTOR WITH STOP DUCTILE IRON PN10/16 FOR RIGID PIPES

SIZE DN100-400 TYPE A (in mm) :



DN	100	200	250	350	400
Ø Di min	109	194	242	351	410
Ø Di max	133	215	268	378	436
B	20	24	27	24	26
L	160	185	185	210	230
L1	105	120	120	120	150
P	80	95	95	90	123
Screw	M12 x 145	M12 x 170	M12x170	M14x190	M14x210
Nb of screws	4	4	6	8	8
Ø C	135	217	270	380	438
Ø D	235	350	410	520	575
Ø D2	155	256	325	470	480
Ø D3	110	200	271	350	408
Weight (Kg)	6.4	13.6	19.4	30.1	42.1
Ref.	2501100	2501200	2501250	2501350	2501401

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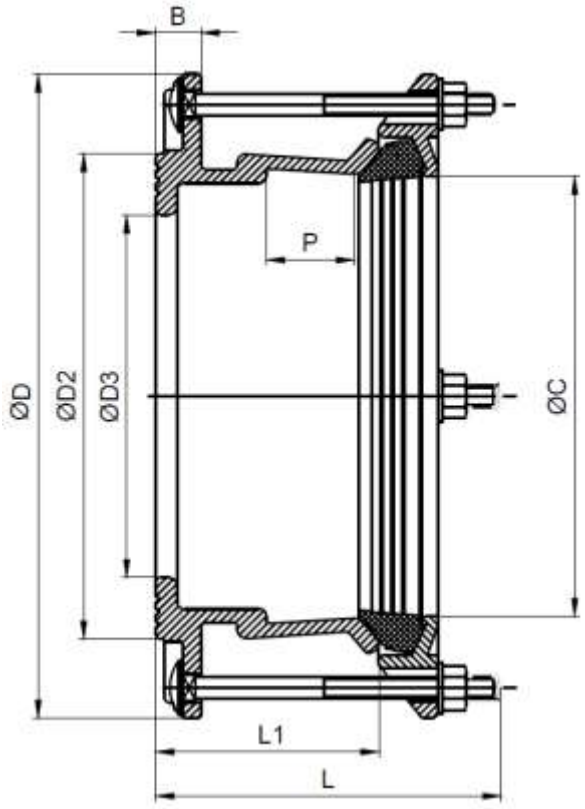
WATER SUPPLY FLANGE ADAPTOR WITH STOP DUCTILE IRON PN10/16 FOR RIGID PIPES

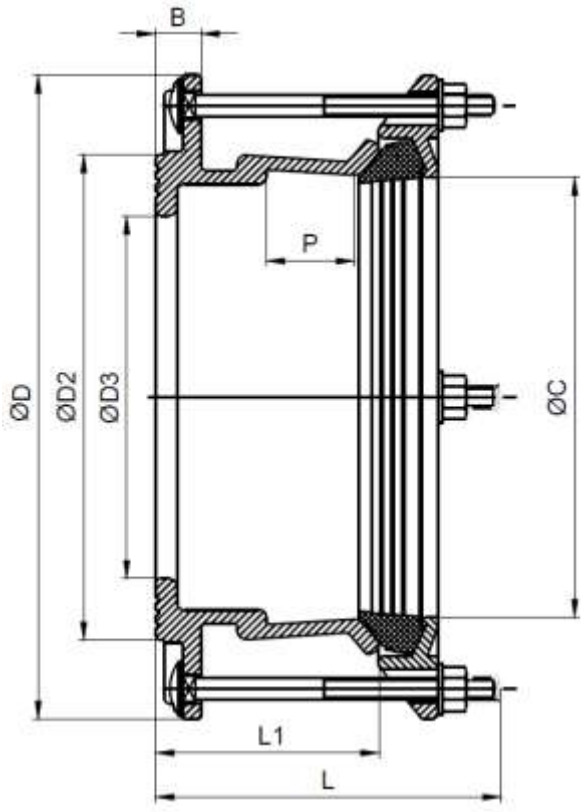
SIZE DN50-200 TYPE B (in mm) :



DN	50	60/65	80	125/150	150	200
Ø Di min	58	68	84	133	157	218
Ø Di max	74	84	105	157	183	242
B	20	20	20	20	20	22
L	160	160	160	185	185	185
L1	100	100	100	110	110	120
P	44	44	44	55	45	48
Screw	M12x145	M12x145	M12x145	M12x170	M12x170	M12x170
Nb of screw	4	4	4	4	4	4
Ø C	76	86	107	159	185	244
Ø D	169	189	200	285	285	350
Ø D2	97	101	127	185	215	265
Ø D3	50	65	80	136	156	208
Weight (Kg)	4.1	4.7	5.6	9.7	9.7	14.9
Ref.	2501050	2501060	2501080	2501125	2501150	2501201

WATER SUPPLY FLANGE ADAPTOR WITH STOP DUCTILE IRON PN10/16 FOR RIGID PIPES

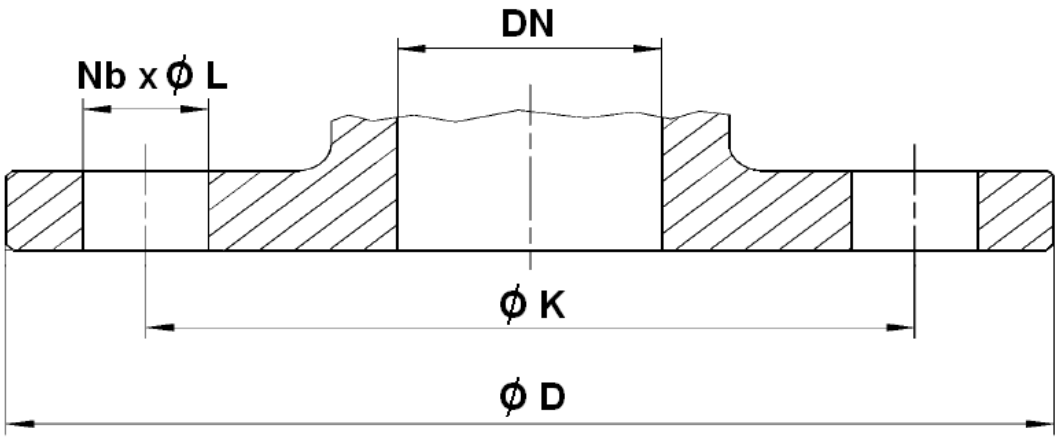
SIZE TYPE B DN250-400 (in mm) :



DN	250	250	300	300	350	400	400
Ø Di min	266	280	302	324	386	386	436
Ø Di max	291	305	327	350	410	410	462
B	26	28	28	22	24	30	25
L	185	190	190	210	258	230	230
L1	120	120	120	140	140	165	160
P	45	45	45	60	61	95	64
Screw	M12x170	M12x170	M12x170	M14x190	M14x190	M14x210	M14x210
Nb of screw	6	6	6	6	8	8	8
Ø C	293	307	329	352	412	412	464
Ø D	410	410	460	455	520	596	580
Ø D2	329	320	374	410	470	486	480
Ø D3	250	252	298	310	360	400	410
Weight (Kg)	18.4	21.5	23.7	26.4	34.3	40.3	44.6
Ref.	2501251	2501252	2501300	2501301	2501351	2501400	2501402

WATER SUPPLY FLANGE ADAPTOR WITH STOP DUCTILE IRON PN10/16 FOR RIGID PIPES

FLANGES SIZE (in mm) :



PN10 (in mm) :

DN	50	60	65	80	100	125	150	200	250	300	350	400
Ø D	165	185	185	200	220	250	285	340	400	455	520	580
Ø K	125	135	145	160	180	210	240	295	350	400	460	515
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	16 x 22	16 x 26

PN16 (in mm) :

DN	50	60	65	80	100	125	150	200	250	300	350	400
Ø D	165	185	185	200	220	250	285	340	400	455	520	580
Ø K	125	135	145	160	180	210	240	295	355	410	470	525
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	16 x 26	16 x 30

WATER SUPPLY FLANGE ADAPTOR WITH STOP DUCTILE IRON PN10/16 FOR RIGID 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 SFERACO 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 WITH STOP DUCTILE IRON PN10/16 FOR RIGID 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.
- Insert the pipe in the connector without dismantling the latter concentrically.
- 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
- It may also be necessary to reduce tightening torques with GRP pipes and certain AC pipes.
- **Warning, this connecting sleeve is only envisaged for the connection. It does not stop the pipe being pulled out. Fitting should therefore prevent these risks.**
- 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°.

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