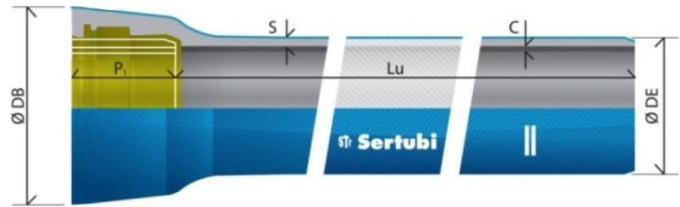




AZZURRO

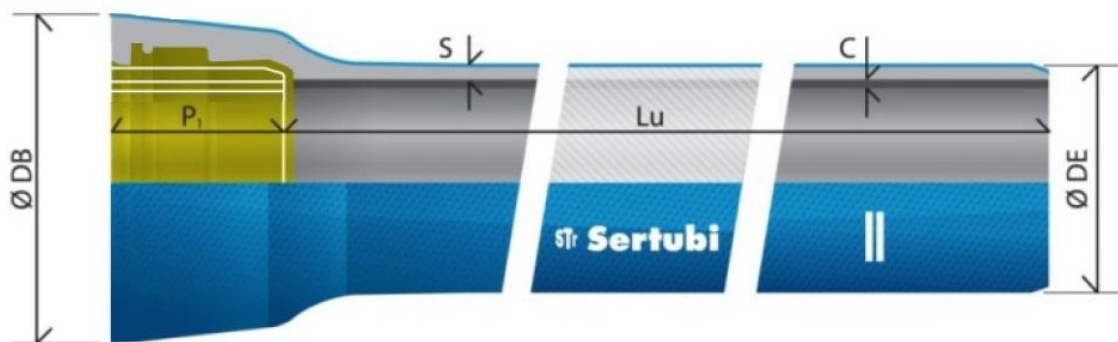


**DUCTILE IRON PIPE WITH
AUTOMATIC JOINT (TJ)
FOR POTABLE WATER**



DN mm	Lu m	Dimensions			Nominal Thickness		Mass		Class
		DE mm	DB mm	P ₁ mm	S mm	C mm	Kg/pc.	Kg/m	
80	5.5	98	148	75	4.9	4.0	65.4	11.9	C50
100	5.5	118	168	78	4.9	4.0	76.4	13.9	C50
125	5.5	144	187	80	4.9	4.0	95.8	17.4	C50
150	5.5	170	221	84	5.0	4.0	115.0	20.9	C50
200	5.5	222	278	90	4.7	4.0	157.0	28.5	C40
200	5.5	222	278	90	5.4	4.0	175.1	31.8	C50
250	5.5	274	333	95	5.5	4.0	221.6	40.3	C40
250	5.5	274	333	95	6.4	4.0	250.4	45.5	C50
300	5.5	326	390	100	6.2	4.0	293.3	53.3	C40
350	5.5	378	444	100	6.4	5.0	374.8	68.1	C30
400	5.5	429	493	100	6.5	5.0	438.6	79.7	C30
450	5.5	480	553	110	6.9	5.0	517.5	94.1	C30
500	5.5	532	597	110	7.5	5.0	614.9	111.8	C30
600	5.5	635	704	110	8.6	5.0	833.3	151.5	C30
700	5.5	738	820	140	8.8	6.0	1015.7	184.7	C25
800	5.5	842	938	150	9.6	6.0	1251.7	227.6	C25
900	5.5	945	1046	165	10.6	6.0	1533.0	278.7	C25
1000	5.5	1048	1150	175	11.6	6.0	1841.2	334.8	C25





LEGEND

- **DN:** Nominal Diameter
- **Lu:** Laying length in m
- **Class:** Pressure class according to EN 545 and ISO 2531, in mm
- **S:** Nominal wall thickness according to ISO 2531 and EN 545, in mm (whichever is the highest)
- **ØDE:** External nominal diameter of the barrel according to EN 545 ed ISO 2531, in mm
- **ØP₁:** Insertion depth in mm
- **C:** Nominal thickness of the internal cement mortar lining according to EN 545, in mm
- **Mass:** Total mass per pipe and per meter (including cement lining and socket) determined with the nominal thickness, in Kg/m
- **Reference:** Commercial reference Jindal Saw Italia



FIELD OF USE

For drinking water networks and other fresh water networks.

MAIN CHARACTERISTICS


- Pressure class in conformity with standard EN 545:2010 and ISO 2531:2009
- Pressure class in conformity with standard EN 545:2006 available on demand up to DN400
- Internal lining: Sulphate resisting blast furnace slag cement in conformity with standard EN 545 ed ISO 4179
- External coating: Zinc - Aluminum (400g/m^2) + alimentary water base epoxy paint (ACS, KTW,...)
- Elastic Automatic (TJ) joint in compliance with DIN 28603 with gasket in alimentary elastomer EPDM (DM174, ACS, KTW,...) complying with EN 681-1

TYPE OF SOILS

The ductile iron pipes “**STr AZZURRO**” can be buried in contact with all types of soil except:

- Peaty and acidic soils
- Soils containing wastes, scraps, ashes, slags or soils contaminated by industrial effluents or other wastes
- Soils located under the level of the marine water table with a resistivity lower than $500 \Omega \cdot \text{cm}$

In such soils, and also in the event of stray currents, it is recommended to use other types of external coatings for more aggressive soils as per EN545:2010.



TYPE OF WATER

The ductile iron pipes “**STr AZZURRO**” are adapted to convey all types of drinking water in conformity with Directive 98/83/CE.

In case of other type of water, please refer to below information:

	Minimum Value	Maximum Value			
Parameter	pH	CO ₂ aggressive	Sulphate	Magnesium	Ammonium
Unit	-	Mg/l	Mg/l	Mg/l	Mg/l
Value	5.5	15	3000	500	30

Blast furnace slag cement is a sulphate resisting cement (SRC)



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