

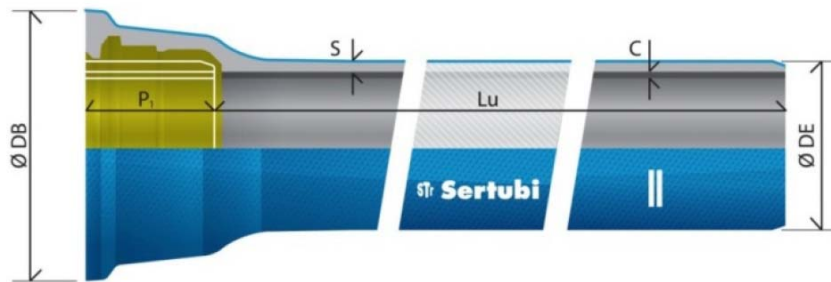
TECHNICAL DATA SHEET



JINDAL SAW ITALIA SPA
Sertubi

Aqua

Ductile iron pipes for potable water



DN mm	Dimensions					Nominal Thickness		Weight			Ang. Dev.	Class
	DE mm	DB _{AJ} mm	P _{1, AJ} mm	DB _{TJ} mm	P _{1, TJ} mm	S mm	C mm	Kg/m	Kg/pc. 5,5m	Kg/pc. 6,0m		
80	98	168	90	148	85	4,9	4,0	11,9	65,4	71,4	5°	C50
100	118	189	92	168	88	4,9	4,0	13,9	76,4	83,3	5°	C50
125	144	216	95	187	90	4,9	4,0	17,4	95,8	104,5	5°	C50
150	170	243	98	221	94	5,0	4,0	20,9	115,0	125,4	5°	C50
200	222	296	104	278	100	4,6	4,0	28,6	157,1	171,3	4°	C40
250	274	353	104	333	105	5,5	4,0	40,3	221,6	241,8	4°	C40
300	326	410	105	290	110	6,2	4,0	53,3	293,3	320,0	4°	C40
350	378	465	108	444	110	6,4	5,0	68,1	374,8	408,8	4°	C30
400	429	517	110	490	110	6,5	5,0	79,7	438,6	478,4	4°	C30
450	480	575	113	553	120	6,9	5,0	94,1	517,5	564,5	3°	C30
500	532	630	115	597	120	7,4	5,0	111,8	614,9	670,8	3°	C30
600	635	739	120	704	120	8,6	5,0	151,5	833,4	909,1	3°	C30
700	738	863	145	820	150	8,8	6,0	184,7	1015,7	1108,1	3°	C25
800	842	974	145	938	160	9,6	6,0	227,6	1251,7	1365,5	3°	C25
900	945	1082	145	1046	175	10,6	6,0	278,7	1533,1	1672,4	1,5°	C25
1000	1048	1191	160	1150	185	11,6	6,0	334,8	1841,2	2008,6	1,5°	C25
1200	1255	-	-	1377	215	13,6	6,0	474,6	2610,1	2847,4	1,5°	C25
1400	1462	-	-	1610	245	15,6	9,0	653,4	3593,9	3920,6	1,5°	C25
1600	1668	-	-	1816	275	17,7	9,0	830,2	4566,1	4981,2	1,5°	C25

* Image relative to AJ joint.

KEY

- **DN:** Nominal diameter
- **ØDE:** External nominal diameter of the barrel according to EN 545 ed ISO 2531, in mm
- **ØDB:** Maximum socket diameter
- **P1:** Insertion depth in mm
- **S:** Nominal wall thickness according to ISO 2531 and EN 545, in mm
(in case of slight differences take the highest value between the two Standards)
- **C:** Nominal thickness of the internal cement mortar lining according to EN 545, in mm
- **Class:** Pressure class according to EN 545 and ISO 2531



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AQUA

Ductile iron pipes for potable water

MAIN CHARACTERISTICS

- For drinking and fresh water networks
- **Range** available with AJ joint (standard solution, according to UNI 9163) or TJ joint (according to DIN 28603) with EPDM elastometer gasket according to EN 681-1
- **Internal lining:** sulphate resisting blast furnace slag cement in conformity with EN 545 and ISO 4179 standards
- **External coating:** Zinc-Aluminium alloy (400g/m²) applied by metallization + alimentary water base epoxy paint according to EN 545 and compliant to be in contact with potable water
- **Length:** normalized at 5,5m or 6m
- **Mass:** total mass per pipe and per meter (including cement lining and socket) determined with the nominal thickness, in kg/m

TYPES OF SOIL

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

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

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

Blast furnace slag cement is sulphate resistant (SRC).