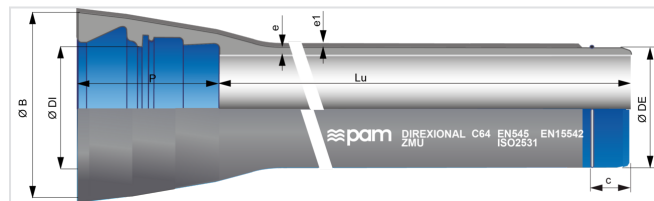


DIREXIONAL ZMU pipes DN100 to 300 with UNIVERSAL TYTON socket + Weld bead Ve



DN	Lu (m)	Class	e (mm)	e1 (mm)	ØDE (mm)	ØDI (mm)	P (mm)	ØB (mm)	Bead position c (mm)	Mass (kg/m)	References
100	5.97	C100	6.1	5	118	120.5	140	188	90	22.30	224302
125	5.97	C64	6.1	5	144	146.5	140	215	95	28.60	224303
150	5.97	C64	6.2	5	170	172.5	148	230	95	34.40	224305
200	5.97	C64	6.5	5	222	224.5	155	290	100	47.00	224307
250	5.97	C50	6.8	5	274	276.5	166	350	110	60.90	224308
300	5.97	C50	7.4	5	326	328.5	180	408	115	77.60	224309

Legend

- DN: nominal diameter
- Lu: laying length, in m
- Class: pressure class according to EN 545 and ISO 2531
- e: nominal thickness according to ISO 2531, in mm
- e1: external thickness of ZMU coating, in mm (cement mortar with acrylic fibers and resin) according to EN15542
- ØDE: external nominal diameter of the barrel according to EN 545 and ISO 2531, in mm
- ØDI: internal nominal diameter of the socket, in mm
- P: nominal depth of the socket, in mm
- ØB: nominal diameter of the socket, in mm
- c: weld bead position, in mm
- Mass: total mass per meter (including cement coating and socket), determined with the nominal thickness, in kg/m
- Reference: commercial reference Saint-Gobain PAM

Field of use:

- For drinking water networks
- High durability
- Total compatibility with drinking water
- For most of the soils, including rocky soils, those pipes can be laid with the native soils backfill.
- Resistivity of the soils > 250 Ohm.cm
- Joint protection with elastomer sleeve and HDD metal cone
- Adapted to the trenchless pipe laying in rocky soils (horizontal directional drilling and pipe bursting)

Main characteristics:

- Elastomer quality: EPDM
- External coating: a layer of zinc-aluminium 85/15 alloy, enriched with copper, with a minimum surface density of 400g/m², applied by spraying molten metal onto the surface of the iron, using an electric arc spray gun, from ZnAl (Cu) alloy wire + a protective layer of Aquacoat (semi-permeable), a water-based blue acrylic of average thickness 80 microns applied using a spray gun + cement mortar ZMU with polymeric additive and reinforced with PE fibers
- Internal coating in cement mortar CHF (thickness 5mm)
- ZMU pipes in accordance with EN 545
- ZMU coating according to EN 15542

Type of water:

Ductile iron pipes with internal coating of sulphate resisting blast furnace cement mortar are adapted to convey all types of drinking water in conformity with Directive EU 2020/2184.

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

	Minimum value	Maximum value			
Parameter	pH	CO2 aggressive	Sulphate	Magnesium	Ammonium
Unit	-	mg/l	mg/l	mg/l	mg/l
Value	5,5	15	3000	500	30

Blast furnace cement mortar is a sulphate resisting cement (SRC).

Accessories



Elastomer Sleeve -
Protection of joints of ZMU
pipes DN100-1200

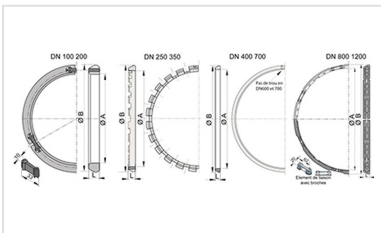


HDD metal protection cone
for DIREXIONAL Universal
Ve pipes

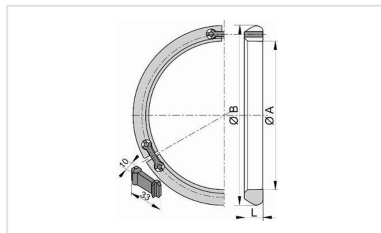


Pulling head for horizontal
directional drilling

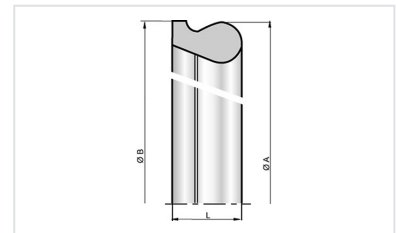
Linked products



UNI TYT Ve joint for Pipes
and Fittings DN80-300



Locking Ring for UNI Ve
joint DN80-1800



TYT Gasket for TYT Pipes
and Fittings DN80-300



Lubricating paste -
BLUPAM



Lubricating paste -
NATURAL, INTEGRAL, and
PLUVIAL ranges

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