

CONCRETE CONNECTION SOCKET

MADE OF HIGH-GRADE POLYETHYLENE



agru

Worldwide Competence
in Plastics



Worldwide competence in plastics

AGRU Kunststofftechnik GmbH is a family-owned, highly productive enterprise headquartered in Austria with worldwide activities. These include the production and sales of high-quality thermo-plastic products. One of our core competences are piping systems made of polyethylene (PE).

Modern piping systems for the supply and disposal of water require tight joining technology and connections to manholes. It is always challenging to connect different material types, especially if connections between pipes and manholes are made.

As a solution the AGRULINE concrete connection socket was developed. It enables a water-tight and secure anchoring of PE pipes in manholes and can be used for wall penetrations.

CONCRETE CONNECTION SOCKET




The product

The concrete connection sockets type 1 and type 2 are made of high-grade PE 100 material. They are mounted aligned to the formwork and cast into concrete. Prefabricated grooves ensure secure anchoring. The concrete connection sockets are permanently and tightly connected with PE pipes by electrofusion welding.

Applications

The main application areas are potable water supply and sewage piping systems. In any case it is essential to create a leak-proof connection: to protect the potable water against pollution from the outside or to protect the soil against contamination with sewage.

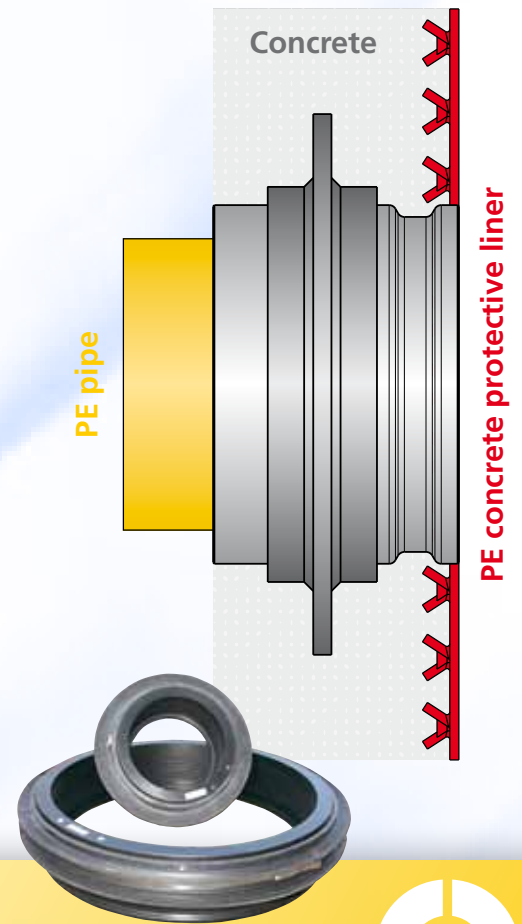


	Chamber connection	Pipe penetration
Type 1	✓	✓
Type 2	✓	

Features

- Made of PE 100
- Permanent and tight connection ensured by puddle flange and electrofusion welding
- Optimised anchoring in the concrete through prefabricated grooves
- Suitable for SDR levels between 33 and 11 (depending on dimension and type)
- No root ingrowths possible
- Simple and safe installation

Optimise your system by the combined use of AGRULINE piping systems and concrete protective liners (see right-hand figure).



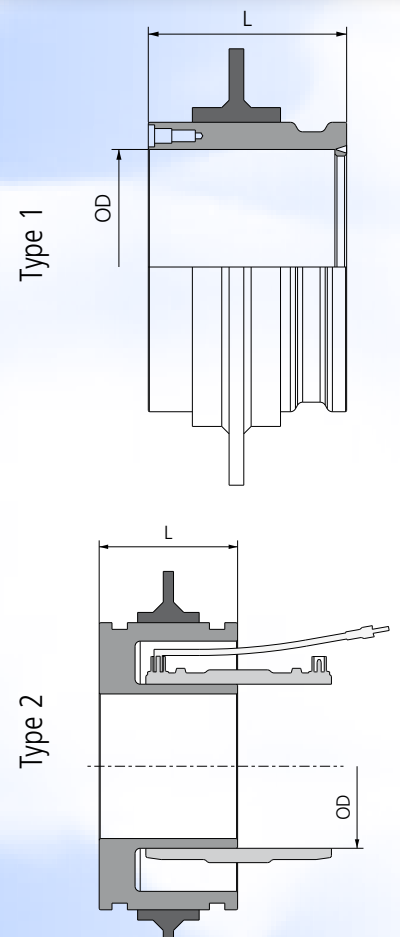
CONNECTING PE AND CONCRETE



Supply range

Type 1	Type 2	OD [mm]	L [mm]
	✓	110	135
	✓	125	135
✓	✓	160	135
	✓	180	135
	✓	200	135
✓	✓	225	135
	✓	250	135
✓	✓	280	135
	✓	315	135
✓	✓	355	135
	✓	400	135
✓		450	135
✓		560	135

Concrete connection sockets are preassembled with an EPDM puddle flange.

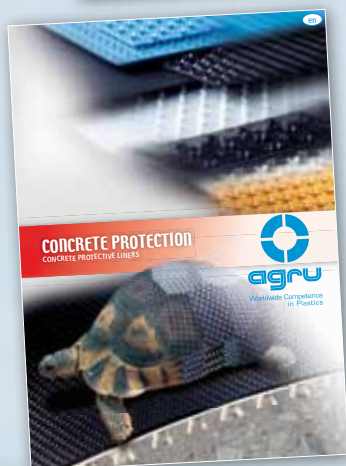




AGRULINE

Unique and innovative solutions in polyethylene for natural gas, potable water, sewage and industrial pipelines

- Easy & fast
- Safe & tough
- Pressure resistant
- High durability



CONCRETE PROTECTION

Concrete protective liners

- High flexibility
- Excellent abrasion resistance
- Good chemical resistance



AGRULINE

PIPING SYSTEMS FOR NATURAL GAS, WATER & SEWAGE



CONCRETE PROTECTION

CONCRETE PROTECTIVE LINERS

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