

Storm Sewer System AQUATUB-Rw

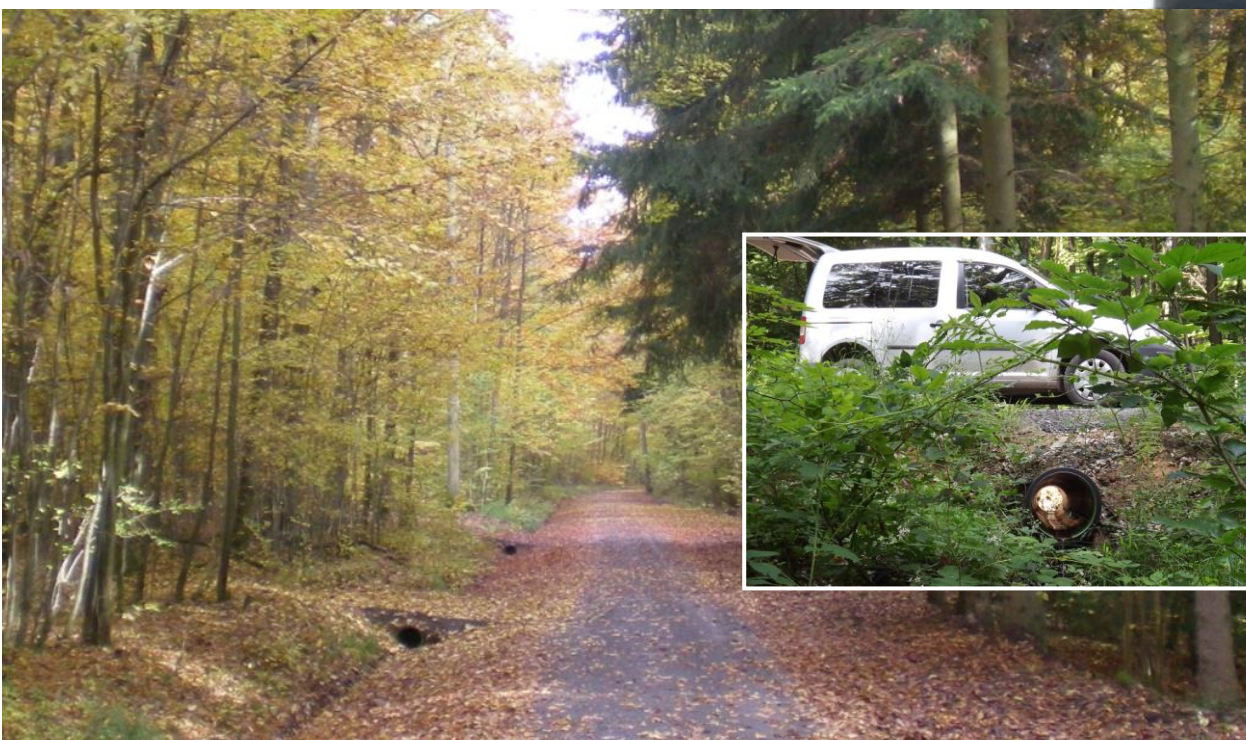
Use in the Construction of Farming and Forestry Roads

The pipe system

- Ring stiffness class SN 8 for high wheel loads (SLW 60)
- Low weight, easy handling on site without heavy equipment
- Ideal length of 6 metres
- Can be extended to any length desired by integral couplings
- Robust, UV-resistant embankment fitting

The raw material

- Excellent impact resistance, even at low temperatures
- Suitable for winter construction (temperatures down to -25 °C)
- Long service life
- Ecological/resource-friendly thanks to the use of reclaimed PE from residual/waste materials





AQUATUB-Rw: light in weight, fast and economic installation

The intended use

The routing of farming and forestry roads often has to provide for access roads to adjacent forest and farmland. The culvert pipes in the drainage ditches on both road sides must have a high load capacity to allow the passage of utility vehicles and haul trucks.

The AQUATUB-Rw system

AQUATUB-Rw storm sewer pipes are made from PE-HD in special twin wall pipe design. This process provides a smooth inner wall contributing to an excellent water flow. The corrugated outer wall lends the pipe the necessary stability. Thanks to its high ring stiffness of $S \geq 8 \text{ kN/m}^2$ (SN 8), AQUATUB-Rw is excellently suited under crossovers used by forest and farmland vehicles.

Technical data AQUATUB-Rw

Nominal size	DN	300	400	500	600	800
Outside diameter	mm	352.9	464.0	579.5	691.9	919.3
Inside diameter	mm	300.5	396.0	498.0	594.0	791.0
Ring stiffness	kN/m ²	≥ 8				
Standard length	m	6				



AQUATUB-Rw: professional storage in stillages

The raw material

Compared to other common thermoplastic materials, PE-HD offers an excellent impact resistance by which the AQUATUB-Rw storm sewer pipe is furnished with a high reliability against damage in tough construction site conditions or repeated use. Neither of the pipe sizes showed any damage in the pipe's inner surface in an impact test, even with a test load of 12.5kg from a falling height of 2.0m at -20 °C.

Embankment fitting from PE-HD

The professional design of a pipe culvert in an embankment or the trench piping of crossovers often has to allow for an inclined slope. The embankment fitting from PE-HD, developed by HEGLER in monolithic solid-wall pipe design, presents a simple and durably UV-resistant variant, particularly for this purpose. It is suitable for slope inclinations in a ratio of 1:1.5 or steeper.



AQUATUB-Rw: long service life, smooth inner wall - free passage

The AQUATUB-Rw twin wall pipe is produced with a considerable amount of reclaimed material, by which a significant contribution to ecology (sustainability, resource-friendliness) is made.



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