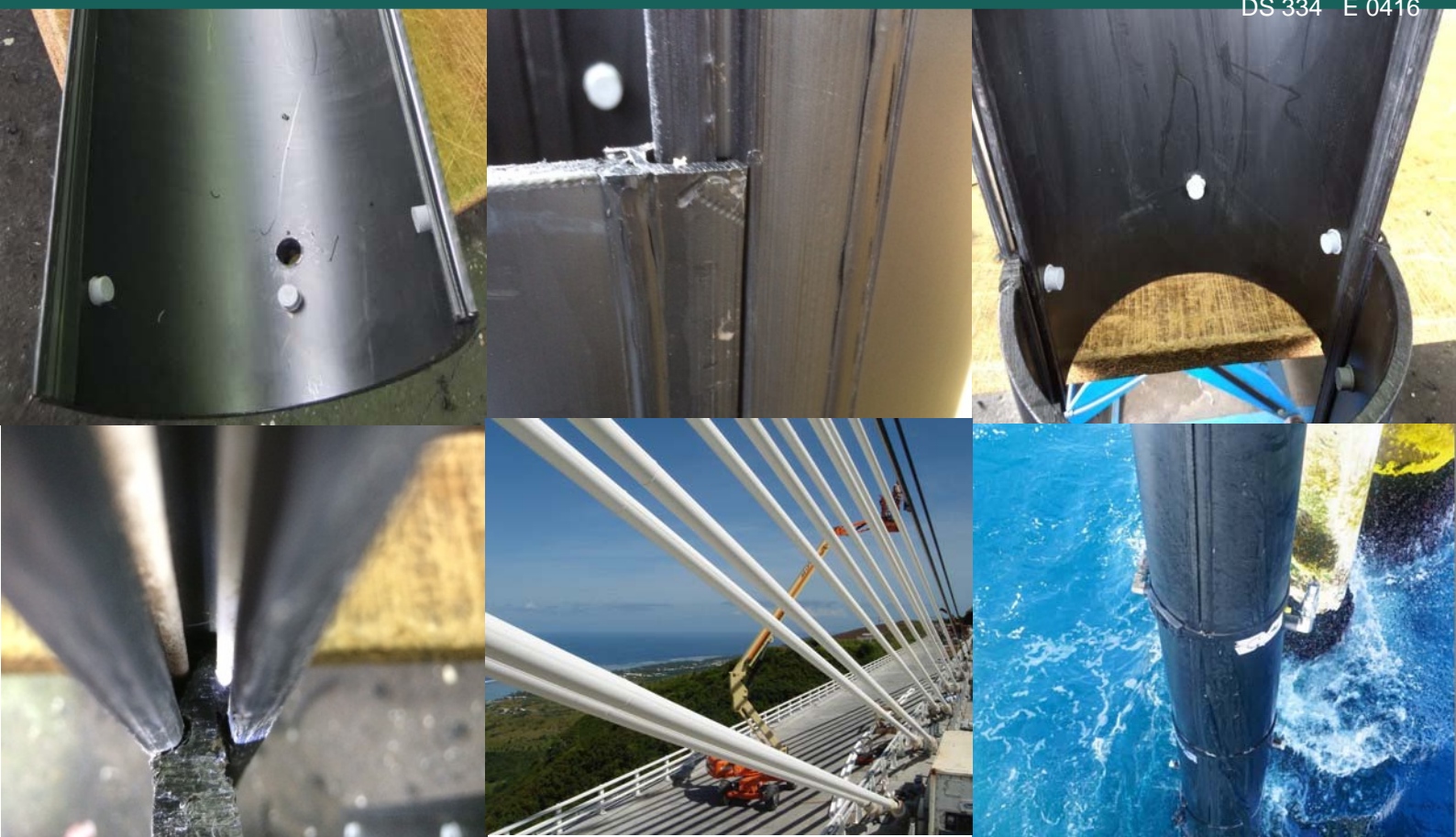


SHPS HDPE HALF-PIPE

DS 334 E 0416



SHPS HDPE HALF PIPE

Technical Data

Polyethylen Sheathing for durable protection and design of grouted and non-grouted structures

Kind of Duct	Splitted HDPE single wall half-pipe with incorporated sealing with click connection Design to comply to standard grouting procedures incl pressure tightness Lock section design optimized by FEM static calculation for strongest climate conditions as temperature, wind, hurricanes and rain.
Sealing	Integrated double sealing for inside and outside pressure tightness
Heat Resistance	Best heat resistance to reduce "aging due to heat" effect
Micro Crack Resistance	Best stabilisation to reduce formation of micro fissures at pipe surface
Pressure Tightness	Up to 3,0 bar hydrostatic pressure from inside and 3.0 bar from outside depending on chosen single wall thickness.
Sizes	All individual OD and ID sizes from 50 – 1200 mm possible. Lock section wall thickness is 14 mm. Single wall pipe section 5 – 20 mm according the application. Other wall thickness on request. Standard unit length up to 3000 mm. Other length on request.
Colors	Standard black. Other colors incl. uv-protection available, see our TI 110 data sheet.
Installation and Jointing	Half-pipes to be clicked together longitudinal over installed structures. For best performance of half-pipes ID, we recommend to add 16-20 mm installation gap all in all to max OD of stands/packers/spacers. Radial joints by butt welding with special half-pipe welding equipment. For limited installation areas radial joints by electrofusion welding rings. As an option also WGY Heat Shrink Wrap or steel pipe clamps can be considered.
Production	For product no norms available. Production with ISO 9001 Quality Plan.
Material	High Density Polyethylen with density of 0.95 g/cm ³ at 23°C acc ASTM D 3350 class 345444 E.
Chemical Resistance	Against almost any type of chemical attack.
Pressure – Tests	Field test performed on 160/132 mm duct with standard PT grout filled with grouting pressure up to 7 bar resulted in final max hydrostatic pressure of 5 bar without any leaks.
UV – Stability Guarantee	We offer 10 years guarantee on color stability and mechanical properties.
Fittings	Spacers, Port vents, Vent pipes, Valves, End caps, Shrink couplers, Sealing tape available
Prefabrication	We offer job site assistance and service in the field.
Options	DHP Halfpipe system for non grouted stay cable protection DHPS Half pipe system for grouted applications. Integrated spacers.
References	On request.

Contact us for more details.

Discover PESTEC. Discover our ideas.

contact@pes-tec.com

www.pes-tec.com