

## DHPS 2- HDPE HALF-PIPE

DS 321 E 0404



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Technical Data

DS 321 E 0404

**Polyethylen Sheathing for durable protection of grouted new external tendons or repair of existing external Post-tensioning tendons**

<b>Kind of Duct</b>	Splitted HDPE double wall half-pipe with incorporated sealing with click connection Design to comply to standard grouting procedures incl pressure tightness																																			
<b>Sealing</b>	Integrated double sealing for inside and outside pressure tightness																																			
<b>Heat Resistance</b>	Best heat resistance to reduce "aging due to heat" effect																																			
<b>Micro Crack Resistance</b>	Best stabilisation to reduce formation of micro fissures at pipe surface																																			
<b>Pressure Tightness</b>	3,0 bar hydrostatic pressure from inside and 3.0 bar from outside																																			
<b>Sizes</b>	<table border="1"> <thead> <tr> <th>OD</th> <th>ID</th> <th>WallOD/cavity/Wall ID</th> <th>OD</th> <th>ID</th> <th>WallOD/cavity/Wall ID</th> </tr> </thead> <tbody> <tr> <td>90</td> <td>62</td> <td>4/7/3</td> <td>160</td> <td>132</td> <td>4/7/3</td> </tr> <tr> <td>110</td> <td>82</td> <td>4/7/3</td> <td>180</td> <td>152</td> <td>4/7/3</td> </tr> <tr> <td>125</td> <td>97</td> <td>4/7/3</td> <td>200</td> <td>172</td> <td>4/7/3</td> </tr> <tr> <td>140</td> <td>112</td> <td>4/7/3</td> <td>225</td> <td>195</td> <td>5/6/4</td> </tr> </tbody> </table>						OD	ID	WallOD/cavity/Wall ID	OD	ID	WallOD/cavity/Wall ID	90	62	4/7/3	160	132	4/7/3	110	82	4/7/3	180	152	4/7/3	125	97	4/7/3	200	172	4/7/3	140	112	4/7/3	225	195	5/6/4
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<b>Colors</b>	Standard black. Other colors incl. uv-protection available.																																			
<b>Installation and Jointing</b>	Half-pipes to be clicked together longitudinal over installed strand bundles. 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 available for all sizes. For limited installation area radial joints by electrofusion welding rings																																			
<b>Production</b>	For product no norms available. Production with ISO 9001 Quality Plan.																																			
<b>Material</b>	High Density Polyethylen with density of 0.95 g/cm <sup>3</sup> at 23°C acc ASTM D 3350 class 345444 E.																																			
<b>Chemical Resistance</b>	Against almost any type of chemical attack.																																			
<b>Pressure – Tests</b>	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.																																			
<b>UV – Stability Guarantee</b>	We offer 15 years guarantee on color stability and mechanical properties.																																			
<b>Fittings</b>	Spacers, Port vents, Vent pipes, Valves, End caps, Shrink couplers, Sealing tape available																																			
<b>Prefabrication</b>	We offer job site assistance and service in the field.																																			
<b>Options</b>	DHP Halfpipe system for non grouted stay cable protection																																			
<b>References</b>	On request.																																			

**Contact us for more details.**

Discover PESETEC. Discover our ideas.

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