

## DHP – HDPE HALF-PIPE

DS 120 E 0405



# DHP - HDPE HALF PIPE

Technical Data

**Colored Polyethylen Sheathing for durable corrosion protection and design of non grouted Stay Cable Bridges**

<b>Kind of Duct</b>	Splitted HDPE double wall half-pipe with click connection Design optimized by FEM static calculation for strongest climate conditions as temperature, wind, hurricanes and rain.								
<b>UV Stability</b>	Best UV-stability / color stability								
<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>	Splash Water tight only								
<b>Sizes</b>	OD	ID	WallOD/cavity /Wall ID	OD	ID	WallOD/cavity /Wall ID	OD	ID	WallOD/cavity /Wall ID
	90	62	4/7/3	160	132	4/7/3	250	220	5/6/4
	110	82	4/7/3	180	152	4/7/3	280	250	5/6/4
	125	97	4/7/3	200	172	4/7/3	315	285	5/6/4
	140	112	4/7/3	225	195	5/6/4	355	325	5/6/4
<b>Colors</b>	More than 200 colors incl. metallic effect colors 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. Radial joints by butt welding with special half-pipe welding equipment available for all sizes.								
<b>Production</b>	For product no norm 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. Color contains special color and stabilization compound created by us.								
<b>Chemical Resistance</b>	Against almost any type of chemical attack.								
<b>UV – Tests</b>	20.000 hours Xenotest 1200 and W-O M test (corresponding to 20 years realtime in Middle Europe) do not visible show any change in color or fading in the color. The appearance of the surface remains unchanged. Very slow progress of structural material changes in confirmed. NOCX-pipes estimate for best product performance for more than 50 years. (Result of test report of famous independent laboratory.)								
<b>UV – Stability Guarantee</b>	We offer 15 years guarantee on color stability and mechanical properties.								
<b>Fittings</b>	Top fixing of half-pipes to steel anchors with special HDPE connectors to be clamped with special stainless steel clamps. Static calculations does not accept bottom fixing.								
<b>Prefabrication</b>	We offer job site assistance and service in the field.								
<b>Options</b>	DHPS Halfpipe system for grouted cable protection after stressing or repair.								
<b>References</b>	On request.								

**Contact us for more details.**

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