

# Halock

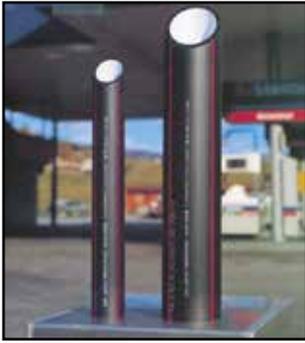
## Semi-flexible PE piping



- Single and double wall PE pipe
- EN14125 certified
- Internal PBT liner
- Underground transport of all fuels
- Distribution and vent lines
- Offset filling and vapor recovery lines
- Electrofusion welding couplings



# Halock Semi-flexible PE Pipes

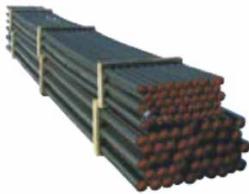


Halock pipes in PE80 are used for underground transport of all fuels, including ethanol blends and biodiesel. The internal PBT liner acts as permeation barrier, avoiding contamination of the surrounding soil.

Halock PE pipes are available in single wall and double wall versions, outside diameters ranging from 50 to 110 mm for the single / internal pipe.

Electrofusion couplings in PE100 (straight, 45° and 90° elbows, equal T's and reducers) guarantee a quick and reliable installation using handy pipe preparation tools and a safe, fully automatic 40 V electrofusion machine.

Halock pipes and couplings are EN14125 certified.



The 50 and 63 mm single wall pipe is supplied on coils of 100 and 150 m for continuous runs between tanks and dispensers. All pipe diameters from 50 to 110 mm are available in bars of 6 m.

The 63/50 and 75/63 mm double wall coaxial pipes are available in bars of 6 m and coils of 100 m. Diameters 110/90 and 125/110 mm are supplied as bars of 6 m.

## References and dimensions

Pipe	OD prim. pipe mm	ID prim. pipe mm	Wall thickness mm	Coil diam. / length m	Weight kg/m
MLP0050(B)	50	40,8	4,6	1,6 / 150	0,67
MLP0063(B)	63	51,4	5,8	1,8 / 100	1,06
MLP0090B	90	73,6	8,2	-	2,14
MLP0110B	110	100	10	-	3,18

Pipe	OD prim. pipe mm	ID prim. pipe mm	Wall thickness mm	OD sec. pipe mm	Coil diam. / length m	Weight kg/m
DLP6350(B)	50	40,8	4,6	63	1,6 / 100	1,35
DLP7563(B)	63	51,4	5,8	75	2,0 / 100	2,05
DLP11090B	90	73,6	8,2	110	-	3,40
DLP125110B	110	100	10	125	-	4,80

The pipes with (B) are available as bars of 6 m and as coils. Add B to the reference to order bars. The pipes with B are only available as bars of 6 m, not as coils.

## Additional specifications

Maximum working pressure: **10 bar**

Maximum underpressure: **0,1 bar abs.**

Maximum test pressure: **30 bar** (factory test)

Halock semi-flexible PE piping



# Electrofusion couplers and elbows

## Single-wall piping couplers and adapters



<b>CO0050</b>	Straight 50 mm
<b>CO0063</b>	Straight 63 mm
<b>CO0090</b>	Straight 90 mm
<b>CO0110</b>	Straight 110 mm



<b>EL4550</b>	45° elbow 50 mm
<b>EL4563</b>	45° elbow 63 mm
<b>EL4590</b>	45° elbow 90 mm
<b>EL45110</b>	45° elbow 110 mm



<b>EL9050</b>	90° elbow 50 mm
<b>EL9063</b>	90° elbow 63 mm
<b>EL9090</b>	45° elbow 90 mm
<b>EL90110</b>	45° elbow 110 mm



<b>TE0050</b>	Tee 50 mm
<b>TE0063</b>	Tee 63 mm
<b>TE0090</b>	Tee 90 mm
<b>TE0110</b>	Tee 110 mm



<b>RE6350</b>	Reduction 63-50 mm
<b>RE9063</b>	Reduction 90-63 mm
<b>RE11090</b>	Reduction 110-90 mm



<b>CP0050</b>	Cap 50 mm
<b>CP0063</b>	Cap 63 mm



<b>TAB5015M/F</b>	Brass adapter 50 mm, 1 1/2" BSPT Male or BSPP Female
<b>TAB6315M/F</b>	Brass adapter 63 mm, 1 1/2" BSPT Male or BSPP Female
<b>TAB6320M/F</b>	Brass adapter 63 mm, 2" BSPT Male or BSPP Female
<b>TAB9030M/F</b>	Nickel plated brass adapter 90 mm, 3" BSPT Male or BSPP Female
<b>TAB1104M/F</b>	Nickel plated brass adapter 110 mm, 4" BSPT Male or BSPP Female



	PE flange stub	Flange seal (NBR)	Backing flange
<b>MCP0050</b>	FLA0050	FLS0050	FLB0050
<b>MCP0063</b>	FLA0063	FLS0063	FLB0063
<b>MCP0090</b>	FLA0090	FLS0090	FLB0090
<b>MCP0110</b>	FLA0110	FLS0110	FLB0110

## Double-wall piping couplers



<b>CO6350</b>	Straight 63/50 mm
<b>CO7563</b>	Straight 75/63 mm
<b>CO11090</b>	Straight 110/90 mm
<b>CO125110</b>	Straight 125/110 mm



<b>EL456350</b>	45° elbow 63/50 mm
<b>EL457563</b>	45° elbow 75/63 mm
<b>EL4511090</b>	45° elbow 110/90 mm
<b>EL45125110</b>	45° elbow 125/110 mm



<b>EL906350</b>	90° elbow 63/50 mm
<b>EL907563</b>	90° elbow 75/63 mm
<b>EL9011090</b>	90° elbow 110/90 mm
<b>EL90125110</b>	90° elbow 125/110 mm



<b>TC6350(A)</b>	Termination 63/50
<b>TC7563(A)</b>	Termination 75/63
<b>TC11090(A)</b>	Termination 110/90
<b>TC125110(A)</b>	Termination 125/110
	(A) = with test socket

# Installation tools for Hallock PE pipe

## Pipe preparation tools and electrofusion welder



A good quality pipe cutter makes clean and perpendicular cuts, with little effort. No deburring is required after cutting.

- **PIC0110** Pipe cutter for pipes up to 110 mm
- **PIC0110W** Spare cutting wheel



The rotary scraper prepares the pipe ends for electrofusion welding, by removing a thin layer of the outer skin in one quick and smooth operation.

- **RS0050** Scraper for 50 mm pipe
- **RS0063** Scraper for 63 mm pipe
- **RS0090** Scraper for 90 mm pipe
- **RS0110** Scraper for 110 mm pipe



For flange or thread adapters and pipe or elbow surfaces that cannot be scraped with a rotary scraper, a manual scraper is used to prepare the fusion welding surfaces.

- **RS0000** Manual scraper with 4-sided scraper blade



Pipe clamps keep the PE pipes and fittings locked in position during the welding and cooling period, preventing pullout and movement that could compromise leaktightness of the joints.

- **DC0050** Pipe clamp for 50 mm pipe
- **DC1000** Universal pipe clamp for 63 mm to 110 mm pipe



A fully automatic electrofusion machine with barcode reader realises reliable joints coupling after coupling, without manual configuration and intervention. The entire welding process is guided step by step via the graphical colour display. The weld protocols are internally stored and can be exported on a USB stick for archiving purposes.

- **MSA 2.1** Electrofusion welder

Technical specifications:

Mains voltage: 190 to 265 V AC, 50 - 60 Hz

Fusion voltage and current: 8 - 42 V DC, max 90 A

Maximum power consumption: 3.500 W

Protection class and IP rating: Class 1 / IP 65

Weight including cables approx. 11,9 kg

Includes: 4 m mains cable  
4 m fusion cables with 4 mm 90° clips  
Barcode scanner  
Operating instructions

The electrofusion welder comes in a solid transport case, 315 x 315 x 525 mm  
Other models are available on request.



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