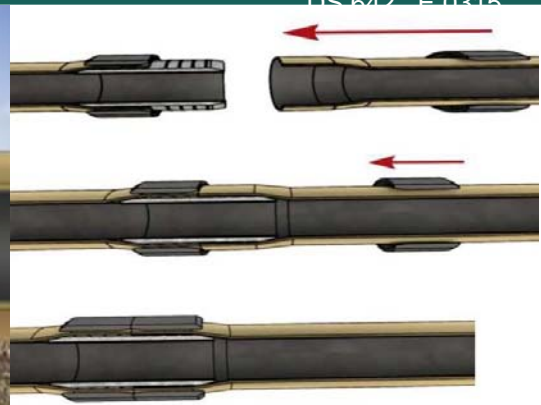
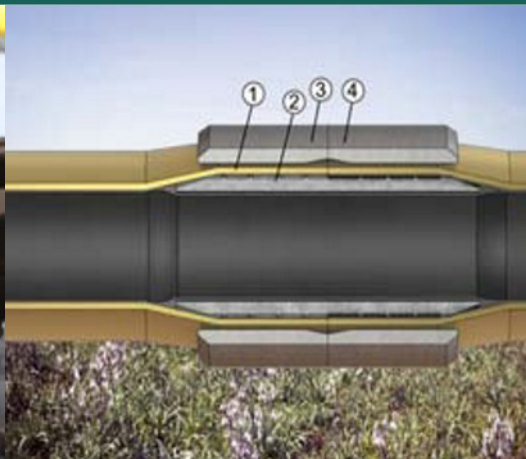


LPS High Pressure Line Pipe System



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Technical Data

Factory HDPE prelined and pre-coated steel pipeline system for high pressure and temperature (max 200 bar operating pressure at temperatures up to 95°C) applications in underground, above ground or offshore up to – 30 m.

Kind of Pipe	2 Layer polyolefin pre-lined and pre-coated steel pipe system connected by data locked mechanical click-weld coupler and computer controlled electro-fusion welding
Application	Oil field and transport pipeline, multiphase mixtures and emulsions (water, oil, gas, oil well hook-up lines, water injection, flow lines in buried, mining, water, natural gas)
Materials	Inner HDPE PE 100 RC liner, Outer layer of coated steel pipes
LPS Line pipe system	LPS is suitable for operating pressures up to 150 bar / 2250 PSI / 900 ANSI / 15.500 kPa and up to 95°C. Design pressure max 200 bar / 2900 PSI. Min Burst pressure 255 bar.
Sizes	6" inch. 168/146mm, 8-12 " in preparation
Duct Length	Standard straight length of 19m, special length on request
Material Properties	HDPE Polyethylene PE 100+ RC or PE 100+ RT Steel pipes grade 359 Cat II YJ (Polymer coating) or grade 359 Cat II YJ2K (Epoxy coating)
Colors	Standard yellow. Other colors on request.
Product Properties	<p>Advantages of LPS Line pipe system</p> <ul style="list-style-type: none"> • High pressure (up to 150 bar/ 2250 PSI / 900 ANSI) liner pipeline system • Inner layer made of PE 100 with all extraordinary properties of HDPE • Factory pre-installed couplers applied under perfect quality control conditions • Mechanical Click weld couplers have the same ID as the pipe section. No flow reduction. • Easy and fast onshore installation up to 1000 m/day by just 3-4 man crew. • Mechanical jointing speed 10 minutes/click-weld joint. Forces are data locked for every joint. No steel welding. Computer controlled electro-fusion welding including GPS and data lock. • Low friction, high throughput. Flow capacity of LPS pipe size 6' is same as 7' steel pipe due very low inner HDPE friction • Fully corrosion resistant, no maintenance • High Impact Strength, low friction, high throughput • Max Hydrocarbon Fluid and Water Service temperature 95°C • Short term bursting pressure 320 bar / 4600 PSI, Vacuum test 0,30 PSI, Thermal Cycle 0°C to 80°C under 125 bar, 262,000 Lb-f unpressurized tension and compression test, 1 Mio cycles 100 bar high frequency pressure pulsation, 100.000 at 35-125 bar cycle pressure test • Less project risk to replace any damaged pipe section compared to coiled RTP products • Small freight volume, no special RTP uncoiling devices needed. No safety risk during uncoiling of high bending forced RTP pipes • Very cost effective compared to steel pipe and other RTP pipe solutions in corrosive environments
Jointing	<ul style="list-style-type: none"> • Pipe to pipe connection by patented click-weld couplers including electro fusion fitting • Flange coupler
Fittings	Pipe to steel, pipe to flange, bends radius 20 x dia in 45° and 90° angle with long ends available.
Standards	In accordance with CSA Z662-13.2
Certifications	Independent lab tested CSA Z662-11, ASTM F1545-97, IACS P2

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