

The **GANGLINE™** System Professionally Engineered Pipe Restraint System



Gangline is proud to introduce its latest innovation in their oil field service product line – **The Gangline™ System.**

Peace of mind in this business is about protecting your assets...
People, Property and Profit.

The Gangline System is a professionally engineered Pipe Restraining System designed to limit the whip range of the pipe should a catastrophic failure occur to the flow line or union connections.

Product Highlights

- Lightweight High Performing/Flexible
- Easy/Quick assembly/Disassembly
- Clear access to connection points for leak repair
- Hydrophobic - does not absorb oil or water, washable
- UV protected and corrosion restraint
- Easy use in sub-zero conditions
- Customizable to specific job requirements
- Traceable by serialization & date of manufacture
- Easily stored & transported, shippable world-wide

The Gangline System consists of only two parts; restraints and shackles. It offers a lightweight, high-strength installation solution for your peace of mind.

The Gangline System is Different

Our professionally engineered design uses the highest quality materials to create the most durable, lightweight and easy-to-use temporary pipe restraint on the market. .

The Gangline System is made from a high modulus synthetic fiber with excellent chemical resistant properties and UV protection.

Fiber Strength Retention after chemical immersion

AGENT	HMPE
Sea Water	100%
Hydraulic Fluid	100%
Kerosene	100%
Gasoline	100%
Glacial Acetic Acid	100%
1M Hydrochloric Acid	100%
5M Sodium Hydroxide	100%
Ammonium Hydroxide (29%)	100%
Hypophosphite Solution (5%)	100%
Perchloroethylene	100%
10% Detergent Solution	100%
Bleach	91%

Strength retention after 6-month immersion

Operating Temperature Range -65 C to +65 C

Gangline Registration

Each Gangline System is serialized and dated on durable waterproof tags. The Gangline is identified to material lots and manufacturers for full traceability.

The Gangline receives annual recertification and refurbishment from Gangline Services.

The System

Each pipe section is secured by both the upstream and downstream sections of the pipeline in the event of a failure. The Gangline layout creates a choke on either side of a rupture reducing in-line flowline movement as well as lateral (*Whip*) movement.

GANGLINE™

The Gangline™ System restraints are installed in a leap-frog configuration offering end to end restraint of flowlines for all lengths of pipe sections as well as swivels and joints.

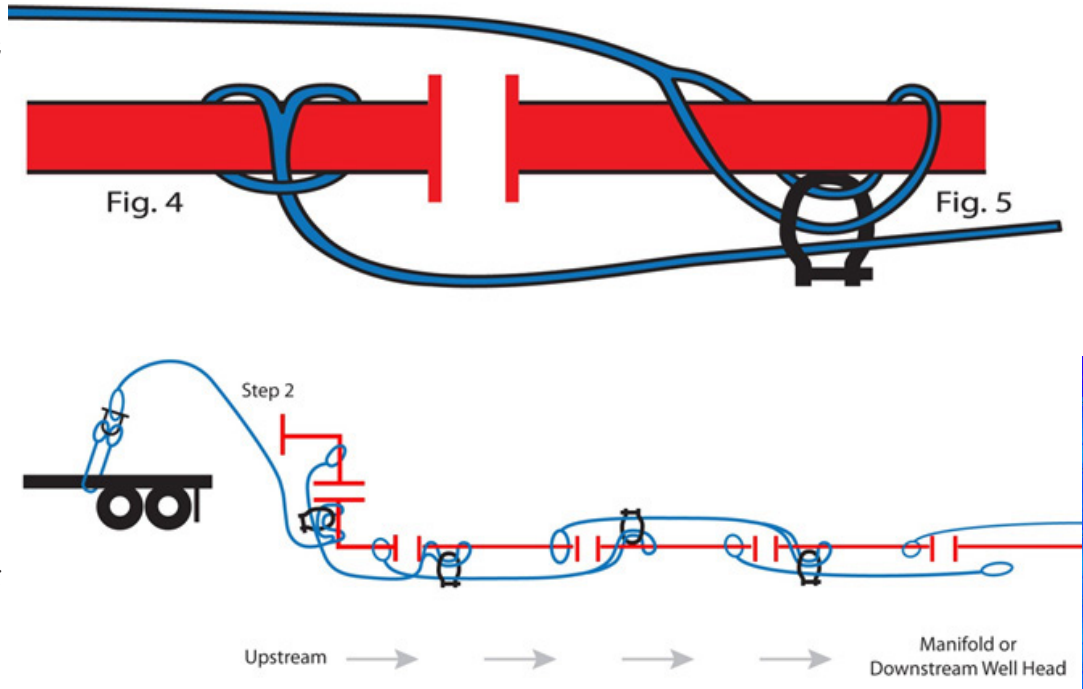
The Gangline™ System saves money with the fastest assembly and disassembly times. The innovative and simple design is trainable, inspectable and reliable.

The Gangline System disassembles mid-flowline allowing quick flowline refits and leak repairs.

Gangline™ System Sizing

The Gangline System is available in two rating sizes: RD & HD. It is certified for a maximum pressure pumping rating of 15,000 PSI for 2" & 3" and 10,000 PSI for 4" 1502 iron.

Each system is flexible and easily adaptable to a variety of flow-line configurations and site conditions. See sizing chart below to identify which Gangline model to use.



Nominal Iron Size	Gangline Model RD™	Gangline Model HD™
2"	15,000 PSI	
3"		15,000 PSI
4"		10,000 PSI

System	Length	Weight of Restraint
HD-Long	14'6"	5.0 lbs
HD-Short	7'	3.8 lbs
RD-Long	13'	1.22 lbs
RD-Short	6' 10"	0.83 lbs

Gangline System rating applicable to gas and liquid in energized and non-energized operations.

Larger Gangline Systems are available for pressure pumping jobs above 15,000 PSI upon request.

Peace of Mind Training

Gangline offers Qualified Person training for the Gangline System to ensure your temporary pipeline is efficiently and accurately installed.

Protecting People, Property and Profit.



THE GANGLINE™ SYSTEM

Box 1158 | Nisku | AB | Canada | T9E 8A8
 www.thegangline.ca info@thegangline.ca

T: 780.980.6240

© SubConsult Inc. All rights reserved. Jan 2015.

Gangline™ is a Trade Mark of Trinity Sling. All other trademarks are the property of their respective owners.