Compensated Coiled Tubing Lift Frame (CCTLF)

*For reference only, please contact your local sales contact for more information.

Compensated Coiled Tubing Lift Frame (CCTLF)

Description

The NOV CCTLF supports ultra-deepwater string weights while enhancing operational performance with our latest innovation in motion compensation.

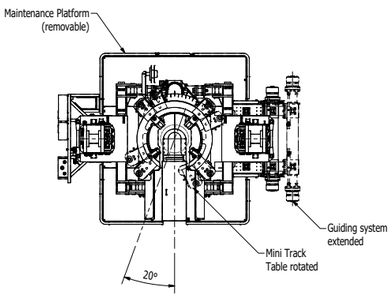
The CCTLF delivers support for completion and post-completion deployment for coiled tubing and wire-line operations aboard various offshore vessels. It provides a designated work window between the top drive and landing string for subsea completion and intervention activities. The system distributes weight evenly across the top section, down two legs, and back to center at the bottom section allowing for well-center rig up of coiled tubing, wire-line and slick-line.

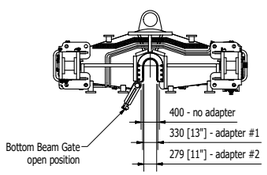
Reducing downtime during operation whilst increasing safety. Fully automated tension adjustments eliminate downtime associated with tide adjustments. Local display unit provide full access to system and real time monitoring. Double hydraulic safety valves with recoil capability provides extensive safety towards loss of load, false opening, AHC failure and blackship scenario. Hose rupture valves with extra redundancy. System can continue compensation with both compensator hoses disconnected.

Speeding up installation with radio remote operation of the following hydraulic actuated systems:

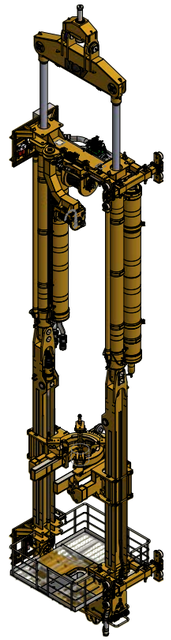
- Engagement of guiding system into guide rails with internal locking
- Internal handling via both a main winch and a utility winch mounted on a swing arm
- Adjustment of injector table up and down, in and out and rotation of the injector head
- Bottom beam articulation to 90 degrees and operation of elevator gate with internal locking

Delivery also includes pressure vessel skid, fluid refill & filtration unit, handling frames, and control console including hand held radio remote.

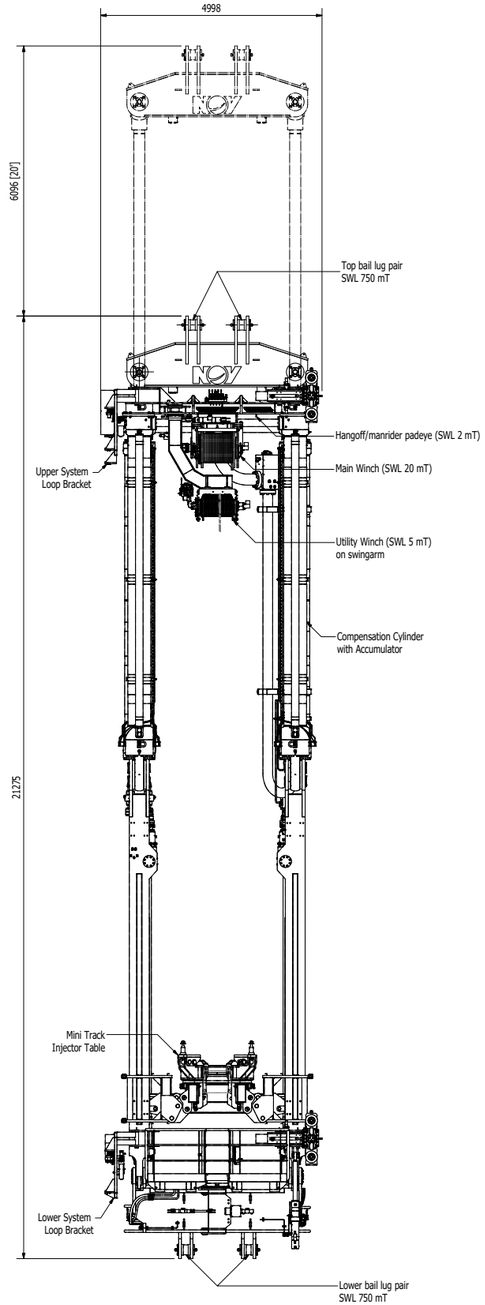


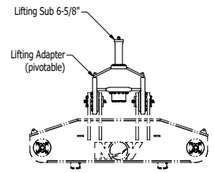


Bottom Beam opening



Technical specifications	
Compensated SWL	350 mT - 500 mT
Static SWL	750 mT - 1000 mT
Max system speed	1,3 m/s
Heave (primary compensator)	+/- 2743 mm (+ 305 mm safety stroke) +/- 9 ft (+ 1 ft safety stroke)
Heave (backup compensator)	+/- 1372 mm (+ 305 mm safety stroke) +/- 4,5 ft (+ 1 ft safety stroke)
Area classification	IECEx Zone 1
Design code / standard	DNVGL-OS-E101 acc. to API 8C, DNVGL-ST-E273
Environment	Highly saline and corrosive
Design temperature	-20°C to +45°C
Maximum operating pressure / design pressure	207 / 230 bar
Weight (dry)	75000 kg (excl. Lifting Adapter and loops)
Access	From Rig Floor: Manrider, WAB or access ladder Injector head: Manrider, WAB, access ladder or platform (optional)
Grating	Fiber grating, ATEX Zone 1 compliant.
Winch, IHW / Winch, UHW	20 metric tonne / 40 m wire 5 metric tonne / 40 m wire
Safety devices	Compensator Safety Valve (shut off and hot backup for winch) Throttle Valve (recoil protection) Pressure Relief Valves (HP & LP side) Gas Shut off valves (Compensator Hose safety) DROPS compliant
Lifting Sub	6-5/8 in. BN with 18 degree taper
Bail lugs top	Interface acc to. 1000 shT bails
Bail lugs bottom	Interface acc. to 1000 shT bails
Guide Rail size	HEB 320
Guide Rail spacing	108 in. | can be designed or adjusted for other rail sizes or offsets
Guide Rail setback	101 in. | can be designed or adjusted for other rail sizes or offsets





Lifting Adapter