

# LONG REACH LOADING ARM

Top loading provides an efficient and cost effective way to load and unload in many situations and is still a prominent method of loading throughout many different countries.

Liquip's long reach top loading arms can load both sides of the gantry and can reach all compartments on a typical road tanker without the need to move the tanker.

**Note:** a special high load base swivel may be required for longer 'wet' arms.

## Features and Benefits

- Unique design allows for loading both sides of the gantry.
- Long reach top loading arms allow for full cross-over capability and a horizontal reach of up to 5,500mm.
- Uses Liquip's unique gas strut "Velvet Touch" technology.



Long Reach Loading Arm

## Technical Information - Long Reach Loading Arm

Longs Reach Loading Arm			
Materials	Carbon steel / Aluminium	End connections	Balance Mechanism Inlet - 4" (DN100) 150 lb ANSI RF flange. Outlet Coupling - API Coupler
Design Pressure	1,000 kPa.	Counter balance type	Single or Dual gas struts.
Test Pressure	1,500 kPa.	Maximum coupling pressure	517 kPa working.
Flow Rates	Typical flow rates are up to 1,500 LPM.	Primary seal materials	Viton™ B70 or GFLT. (Others on request).
Temperature limits	-28°C to +90°C (-18°F to +200°F) - GFLT seals.	Dust seal material	Buna Nitrile or HAN. (Others on request).
Range of motion	Horizontal 360°, Vertical +15° to -15°.	Gasket material	Klingerite or Viton™ A. (Others on request).
Typical Low Profile Lengths	5 metres	Standard Configuration	1.8m or 2m reach. See technical specifications.
		Typical no. of arms per bay	6

## Ordering Information

Loading arm survey forms are available for users to fill out. Survey forms detail all technical requirements for your loading arm needs.

These forms can be downloaded once you login to the liquip website.

Alternatively, you can contact Liquip to receive a loading arm survey form and discuss any specific requirements you may have.

## Associated Equipment

Riser Pipes	As Required	Drop Hose Covers	3576, 3577, 4683,4748
Balance Assembly	LBM800	Straight Swivels	VNS-A4, VNS-A4AVI
Gas Struts	4416 or 3008	Coupler Swivels	VNC-A4VG, VNC-A4AVI, VNC-A4DVG, VNC-A4T,
Horizontal Spool	LIQL219A Series	Spacer Spools	VSA4, VSS4
Intermediate Swivels	VNI-A4VG, VNI-A4AVI	Butterfly Valves	LBV450VGx
Drop Spools	LIQL229A Series or As Required.	Sightglasses	API-SG-150, BF4-SG-xxx
Drop Hoses	5639P	API/LYNX Series Coupler	LYNX85xxx, LYNX86xxx

# LONG REACH LOADING ARM TECHNICAL SPECIFICATIONS

