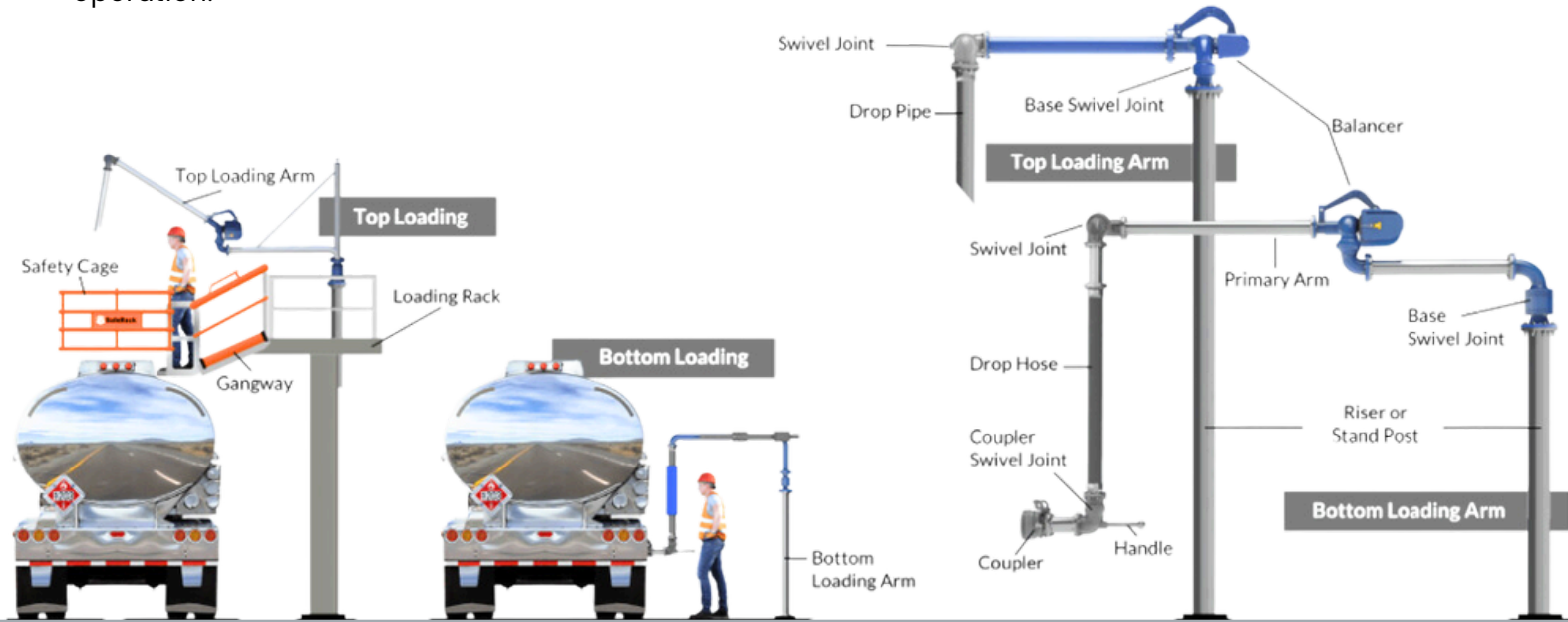


LOADING ARMS

Engineered for Excellence

TheGAW's loading arms ensure safe, efficient fluid transfer of liquids and gases, tailored for top and bottom loading applications in oil & gas, chemical, and marine industries. Our loading arms are featured with durable swivel joints for 3D rotation and precise balancing for smooth and reliable operation.



KEY FEATURES

- High-Quality Swivel Joints, designed to reduce friction.
- 3D Rotation-Provides flexibility for complex loading.
- Torsion & Compressed Spring.
- Available in stainless steel, carbon steel, and aluminum materials.
- Installation and commissioning support by TheGAW's technical team
- Crafted for compatibility with your gantry system.



TYPES OF LOADING ARMS

FIXED REACH

Reliable for straightforward loading and unloading with fixed reach

VARIABLE-REACH

Flexible reach for various loading conditions, with additional adjustments for difficult-to-reach areas.

FIXED CONNECTION

Secure connection for stable operations, excellent for cryogenic and low-pressure fluid handling.

SCISSOR STYLE

Compact and versatile, designed to fit narrow spaces with a stable scissor mechanism.

SLIDE SLEEVE

Accommodates movement with a sliding sleeve, perfect for handling fluids safely.

VAPOR RECOVERY

Equipped with vapor containment, suitable for handling volatile materials with emissions control.

A-FRAME

Sturdy design and increased stability for heavy-duty applications.

BY-PASS

Designed with a bypass system to allow additional flow control, reducing pressure during loading.

BULLHORN STYLE

Dual-arm designed for greater stability, suitable for large tanks or high-throughput operations.

TOP LOADING ARMS

TheGAW's top loading arms facilitate safe transfer to trucks, trains, and vessels, ensuring a seamless, secure process ideal for Oil & Gas, Petrochemical, FMCG, and other industries. The arms can be customized with vapor recovery systems, telescopic end pipes, and anti-drip valves to prevent spillage and environmental contamination.

TGTL2030 Long Range Top Loading Arms

Designed for larger storage facilities, providing maximum reach and flexibility with optional features such as vapor recovery and telescopic pipes.

Material:	Aluminium
Reach:	3.0
Pressure:	20bar
Max Flow Rate:	200m³/h

TGTL1015 Short Range Top Loading Arms

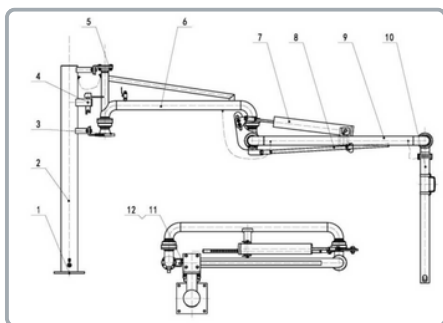
Ideal for smaller storage tanks, equipped with manhole covers and emergency valves for safe operation.

Material:	Stainless Steel
Reach:	1.5
Pressure:	10bar
Max Flow Rate:	100m³/h

TGTL1520 Variable Radius Top Loading Arms

Designed for flexible positioning and are ideal for operations requiring precise movements With adjustable radius.

Material:	Carbon Steel
Reach:	2.0
Pressure:	15bar
Max Flow Rate:	150m³/h



BOTTOM LOADING ARMS

Bottom loading arms are designed to improve operator safety by allowing fluid transfer from ground level, eliminating the need for climbing on vehicles. These arms are particularly useful for road and rail tankers, providing faster, safer, and more efficient loading operations." "TheGAW's bottom loading arms can be customized to include couplings for vapor return, anti-static features, and breakaway valves to prevent fluid loss and ensure environmental sustainability.

TGBL1525 "A" Frame Loader Arm

This popular configuration provides excellent flexibility and can be stored in a compact upright position, making it ideal for operations with limited space.

Material:	Aluminum
Reach:	2.5
Pressure:	15bar
Max Flow Rate:	150m³/h

TGBL1220 Counterweighted Hose Loader

Designed for easy handling, this loader uses counterweights to achieve balance, making it an efficient solution for loading heavy fluids.

Material:	Aluminum
Reach:	2.0
Pressure:	12bar
Max Flow Rate:	130m³/h

TGBL1018 Unsupported Boom Loader

This versatile loader offers flexibility and can be fitted with various end fittings, including dry-disconnect couplers and quick coupling systems.

Material:	Carbon Steel
Reach:	1.8
Pressure:	10bar
Max Flow Rate:	120m³/h



MARINE LOADING ARMS

TheGAW's marine loading arms are expertly designed to efficiently transfer liquids and gases from/to ships, barges, and LNG vessels. Built in accordance with the OCIMF (Oil Companies International Marine Forum) Design & Construction Specifications.

Our loading arms feature advanced manual and hydraulic controls, ensuring unparalleled safety and reliability even in the most demanding marine conditions.



TYPES OF MARINE LOADING ARMS

Manual Operated

Designed for easy handling, this loader uses counterweights to achieve balance, making it an efficient solution for loading heavy fluids.

Size:	4" to 10"
Pressure:	20bar
Temperature:	-50°C to +200°C
Flow rate m3/h:	300 - 1700

Hydraulic Operated

CNG marine loading arm features hydraulic drives and a quick-disconnect system for safe, reliable, and efficient high-pressure gas handling.

Size:	6" to 20"
Pressure:	20bar
Temperature:	-170°C to +250°C
Flow rate m3/h:	600 - 4000+

LNG/Cryogenic

Designed for cryogenic applications, this loading arm features an Emergency Release System and customizable electro-hydraulic controls.

Size:	6" to 20"
Pressure:	20bar
Temperature:	-196°C to +200°C
Flow rate m3/h:	600 - 4000+

Swivel Joint "The Backbone of Every Loading Arm's Efficiency"

Swivel joints handle axial and radial loads while transferring product under pressure, withstanding temperatures from +230°C to -196°C. Made from durable materials, they feature hardened ball raceways for high load capacity and meet OCIMF Design & Construction Specifications.

Emergency Release System

An integrated release mechanism, designed for areas requiring enhanced safety, ensures quick disconnection in emergency situations, improving operational safety.

Additional Equipment

Vacuum breaker



Drain connections



Nitrogen purge line



Ladders and Platform



Vapour Return Line

