

# STANDARD LOADING ARMS

**EMCO**  
**WHEATON**

PREMIUM QUALITY. BUILT IN HOUSTON.

Emco Wheaton's range of Standard Loading Arms are designed to provide you with unrivalled quality, as well as fast and reliable service.

Our team of sales engineers and production experts will work with you every step of the way, from order receipt to invoice, to develop a loading arm that is perfectly tailored to your specific application needs. Built from standard listed parts, using standard design drawings and specifications, it can be delivered in approximately **20 business days** from your initial order.



**QUALITY LINE**  
**20 DAYS**

Turn to the Trusted Market Leader!

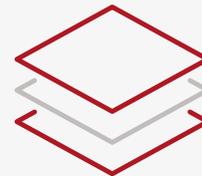
# CUSTOMER SPECIFIC STANDARD

## BESPOKE SERVICE



If you are looking for a customized design, Emco Wheaton can work with you to develop a **Customer Specific Standard**, engineered to meet the needs of your operation. Whether you require the same configuration in multiple locations, have a requirement for an OEM style solution, or are interested in replacing arms over an extended time period; this service is the perfect choice. Our Customer Specific Standard provides a reliable and **cost-effective solution** that can significantly speed up the ordering process.

### The benefits of our Standard Loading Arms:



A **variety** of materials, seals, and options to suit application needs



**Compatibility** with a range of bolt-on accessories



**Expedited delivery** (approx. 20 days from order)

Andy Matthews  
Western Hemisphere Sales Director  
Emco Wheaton Loading Systems

# TOP LOADING ARMS

## E2110 FIXED REACH LOADER

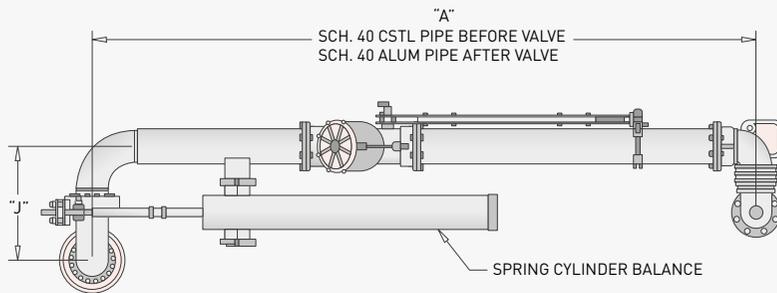
The **Fixed Reach Loader** is specifically designed for top loading of single-compartment road or rail tankers where the manhole can be accurately positioned. The arm requires **accurate spotting** of rail car or tank truck. It is perfect for petroleum and chemical applications.



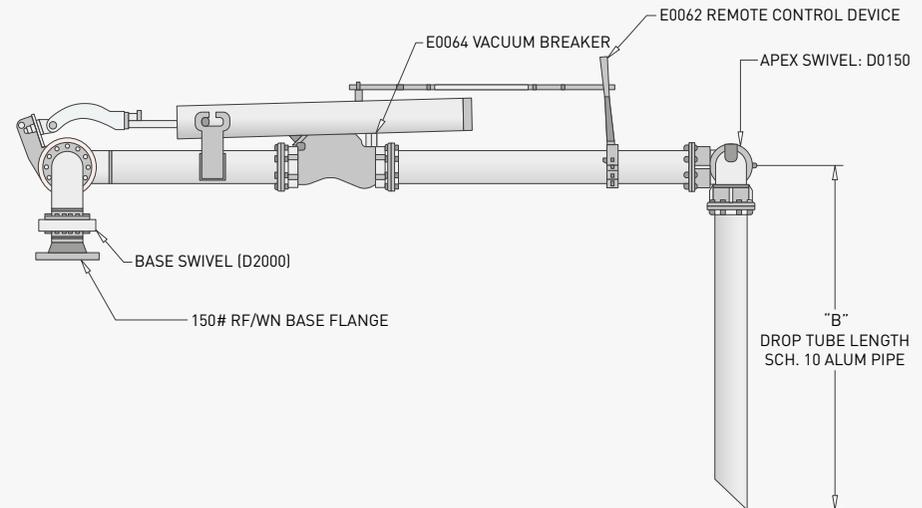
# TOP LOADING ARMS

## E2110 FIXED REACH LOADER

Left Hand Orientation



Up Feed Configuration



Configure your part number as shown in the following example:

E2110 4 C V U L 120 N

Model #	Diameter (Inches)	Construction Material	Seal Material	Primary Feed	Orientation	"A" Dimension Nominal (Inches)	Options
E2110	3-inch (102 mm) 4-inch (76 mm)	C = Carbon Steel	V = Viton B = Buna	U = Up Feed	L = Left Hand R = Right Hand	120" (3048 mm)	N = Without E471 loading valve and remote option V = With E471 loading valve and remote option

# TOP LOADING ARMS

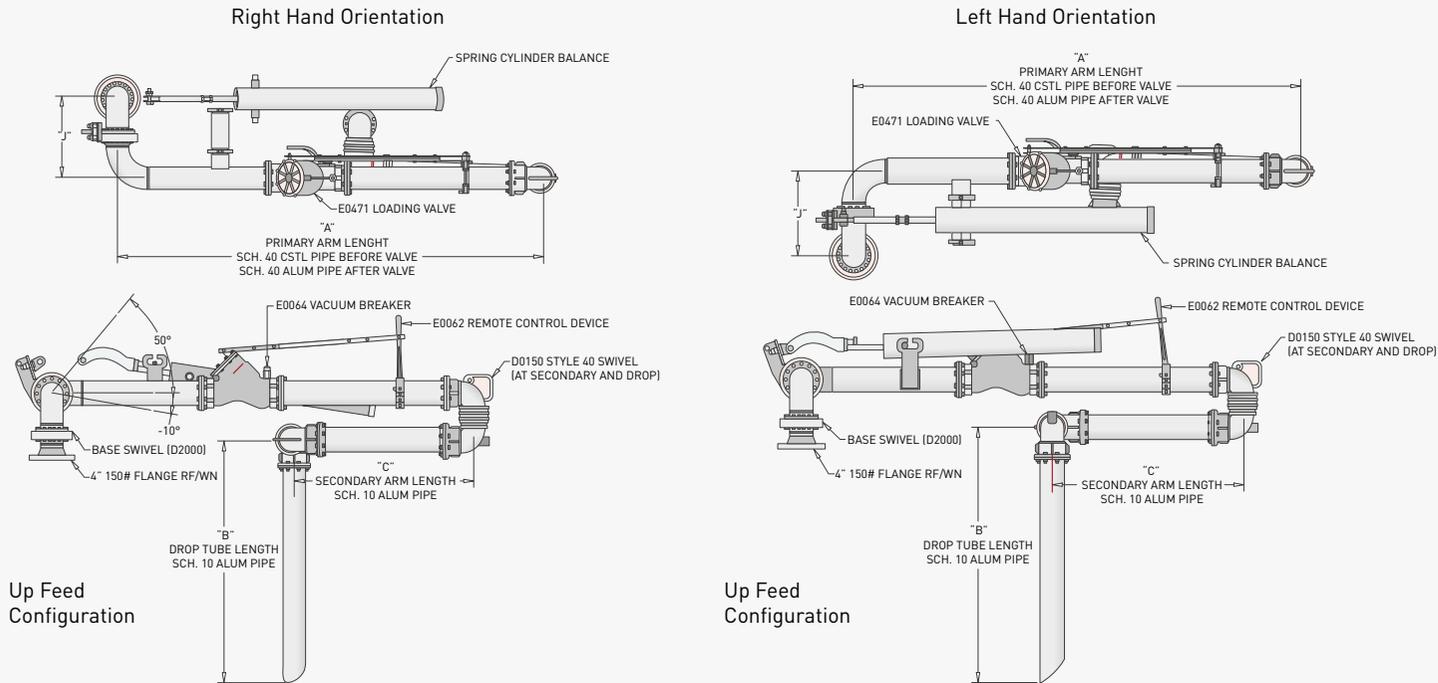
## E2112 VARIABLE REACH LOADER

Also known as a Pantograph and Scissor arm, this **Variable Reach Top Loader** is dedicated for petroleum, chemical, and mineral oil applications. It's a specialized solution for top loading of road or rail tankers where the manhole cannot be accurately positioned. We recommend our Variable Reach Loader for **medium-range** applications of less than 11 ft.



# TOP LOADING ARMS

## E2112 VARIABLE REACH LOADER



Configure your part number as shown in the following example:

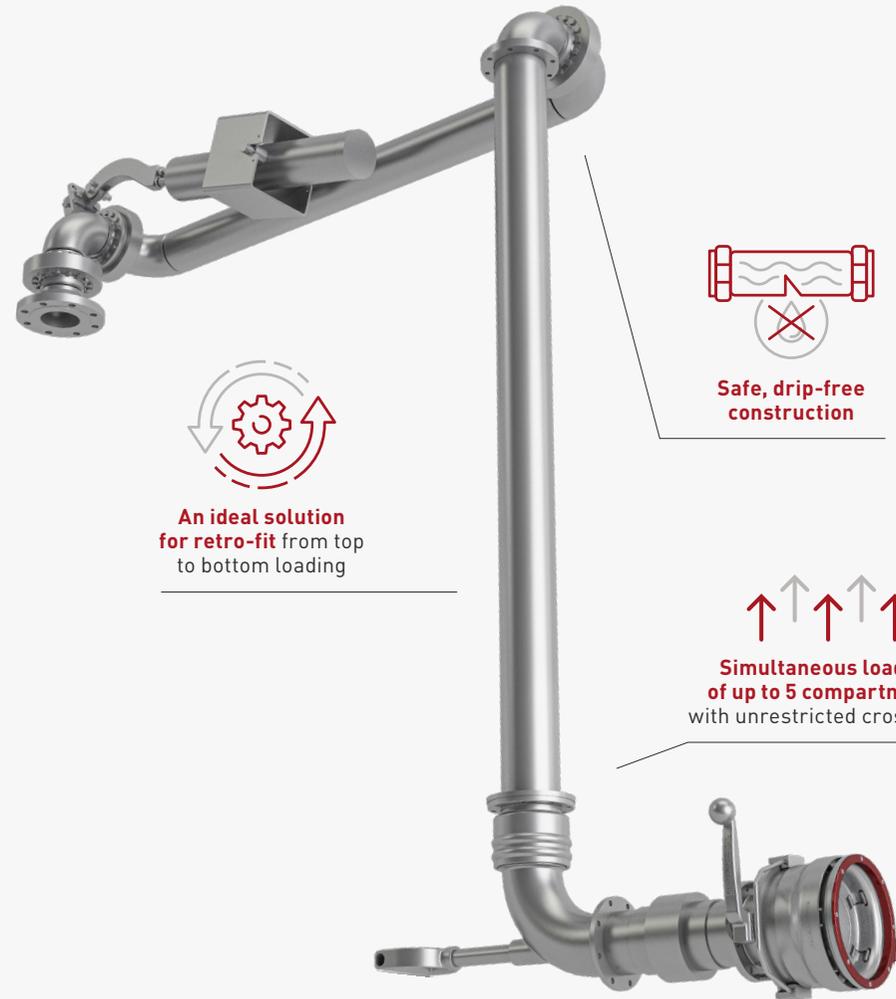
**E2112 4 C V U L 84 N**

Model #	Diameter (Inches)	Construction Material	Seal Material	Primary Feed	Orientation	"A" Dimension Nominal (Inches)	Options
E2112	3-inch (101.6mm) 4-inch (76mm)	C = Carbon Steel	V = Viton B = Buna	U = Up Feed	L = Left Hand R = Right Hand	84" (2134mm)	N = Without E471 loading valve and remote option V = With E471 loading valve and remote option

# TOP LOADING ARMS

## E2304 BOTTOM HOSE LOADERS

The **E2304 Bottom Hose Loading Arm** is designed specifically for bottom filling of multiple-compartment tank trucks.



**An ideal solution for retro-fit** from top to bottom loading

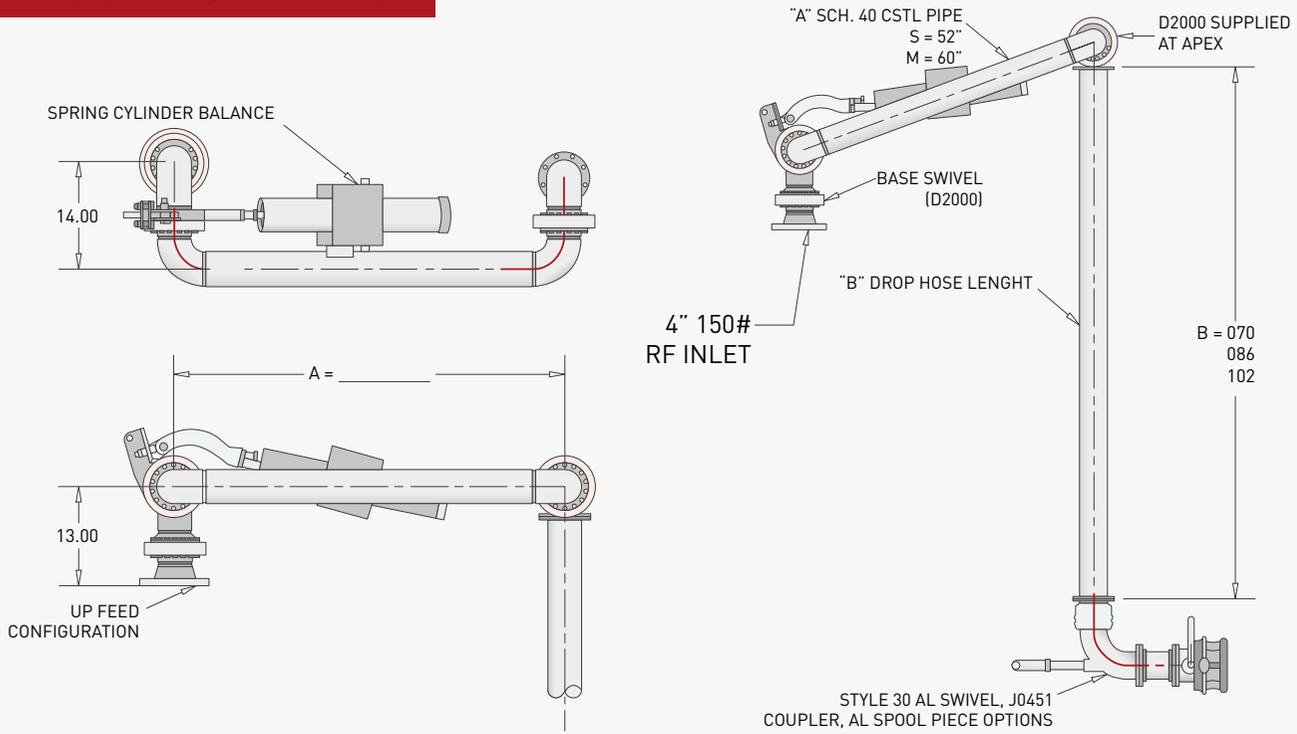
**Safe, drip-free construction**

**Simultaneous loading of up to 5 compartments** with unrestricted cross-over

# TOP LOADING ARMS

STANDARD LOADING ARMS | QUALITY YOU EXPECT IN A TIMEFRAME YOU DIDN'T

## E2304 BOTTOM HOSE LOADERS



Configure your part number as shown in the following example:

**E2304**      **4**   **C**   **V**   **U**      **L**   **S**   **070**   **C**

Model #	Diameter (Inches)	Construction Material	Seal Material	Primary Feed	Orientation	Primary Length	Hose Lengths	Options
E2304	4 = 4-Inch	<b>C</b> = Carbon Steel	<b>V</b> = Viton <b>B</b> = Buna	<b>U</b> = Up Feed	<b>L</b> = Left Hand <b>R</b> = Right Hand	<b>S</b> = 52" <b>M</b> = 60"	070 086 102	<b>C</b> = with J0451 coupler, spool piece, style 30 aluminum swivel <b>N</b> = no swivel, no coupler, no spool piece



[www.emcowheaton.com](http://www.emcowheaton.com)

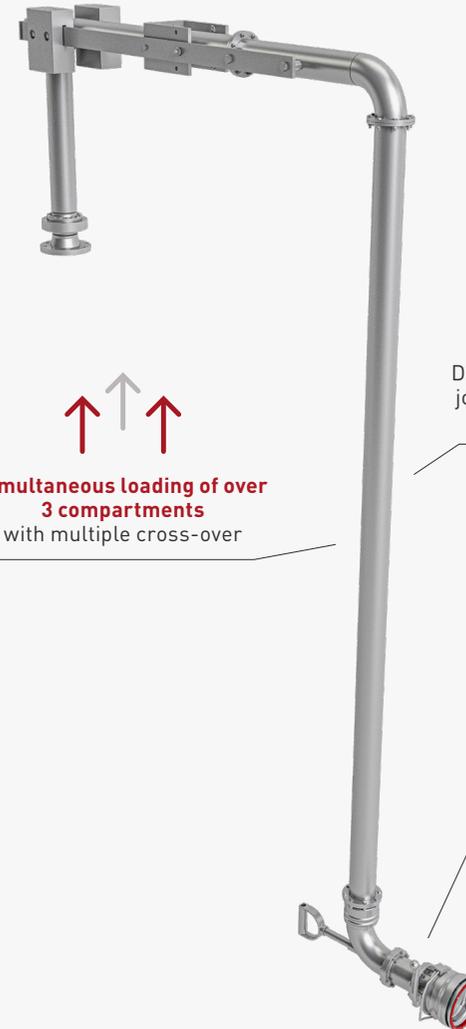
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# TOP LOADING ARMS

## E2573 BOTTOM HOSE LOADING ARM WITH COUNTERWEIGHT BALANCE

The **Bottom Hose Loading arm with counterweight balance** enables efficient bottom loading and unloading of tank trucks. It is recommended for use with gasoline or diesel products. You can order special materials with this design.



↑ ↑ ↑  
**Simultaneous loading of over 3 compartments**  
with multiple cross-over



D2000 World Series swivel joints **ensuring durability and low maintenance**



**Dimensions allowing coverage** of the complete API connection area envelope

# TOP LOADING ARMS

## E2573 BOTTOM HOSE LOADING ARM WITH COUNTERWEIGHT BALANCE

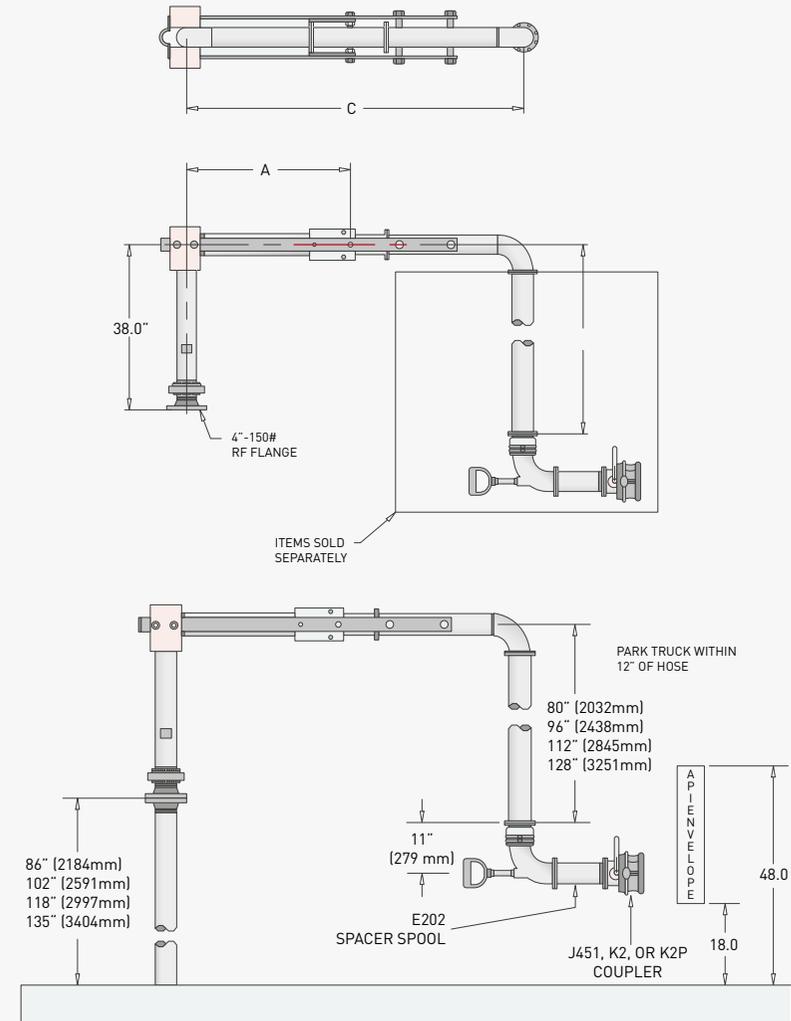
Part#	Dimensions		Counterweights
E2573-837	C = 78"	A = 38"	2 Weights
E2573-838	C = 90"	A = 45"	2 Weights
E2573-839	C = 114"	A = 57"	2 Weights
E2573-856	C = 102"	A = 45"	2 Weights
E2573-841	C = 78"	A = 38"	4 Weights
E2573-842	C = 90"	A = 45"	4 Weights
E2573-843	C = 114"	A = 57"	4 Weights
E2573-840	C = 102"	A = 45"	4 Weights

**NOTES:**

If Hose Dim ← 105" then 2 weights

If Hose Dim → 105" then 4 weights

Hose Dim = Center of apex elbow to bottom TTMA flange



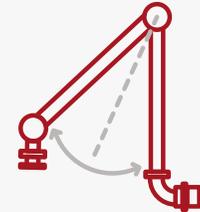
# TOP LOADING ARMS

## E2313 A-FRAME LOADERS

The **A-Frame Bottom Loader** can service both sides of the platform and be used for adjacent arm crossover. The secondary arm is available as a rigid pipe or hose. We recommend this frame loader for tank truck bottom loading, particularly in a **short range**. You can use it for gasoline or diesel products.



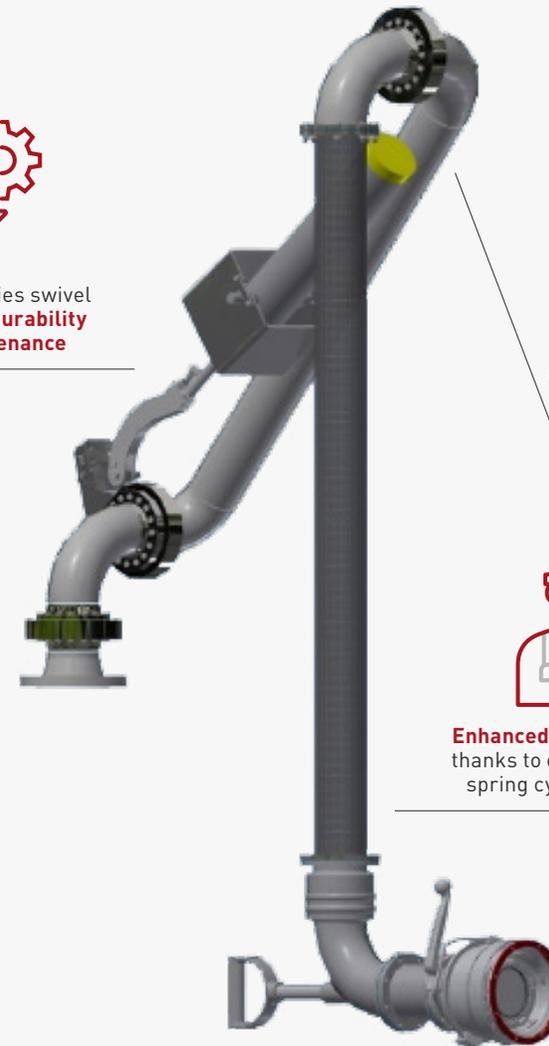
D2000 World Series swivel joints **ensuring durability and low maintenance**



**Parking at high angle made possible** by the ROM, allowing compact storage



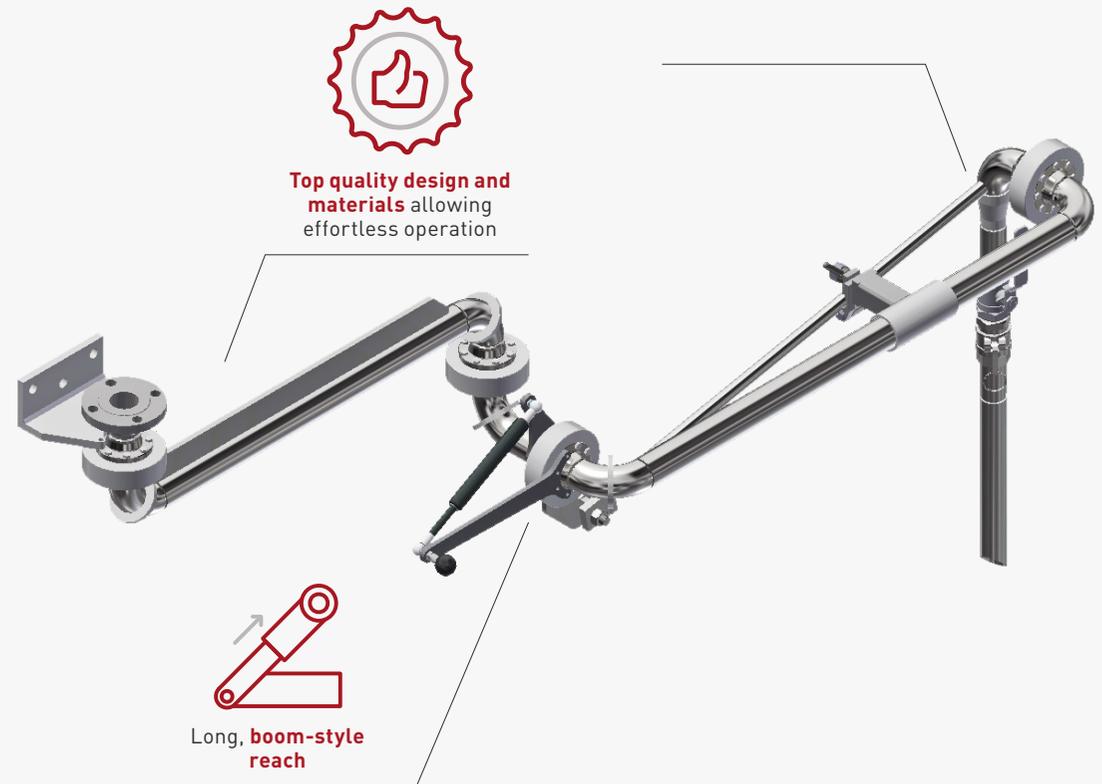
**Enhanced operator safety** thanks to easily adjustable spring cylinder balance



# SPECIALITY LOADING ARMS

## DRUM/TOTE LOADING ARM

Our **new drum loading arm** is dedicated for loading and unloading of small vessels, such as drums and totes, where spotting of the connection flange may vary. It's a **versatile solution**, suitable for a broad range of industries and applications.





**Manufacturing facility**

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**Sales office**

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