



MORE THAN A CENTURY OF SERVICE, SWEAT, AND
STAYING AHEAD OF THE PACK



ENGINEERING | WHAT'S NEXT

A PROVEN REPUTATION OF QUALITY LOADING SYSTEMS

With nearly 130 years of experience, we've seen it all—and we know what works and what doesn't. We've innovated many of the benchmark products that have become industry standards. We can give you "off-the-shelf" solutions engineered to handle standard applications; custom, modified solutions that consider your specific needs; or complete blue-sky products that we design from the ground up to meet your unique crucial standards.

◆ The *Counterbalance* you can trust

Torsion Spring

that is incredibly safe – versatile performance – incredibly durable.



OPW ADVANTAGE: EASY ADJUSTMENT

Unlike linear springs, our torsion spring easily adjusts with a socket wrench.



OPW ADVANTAGE: BETTER BALANCING

Torsion springs provide better and more precise balancing, over a very wide working range (90 degrees). Our **worm-gear adjustment** allows you to dial in precise adjustment.



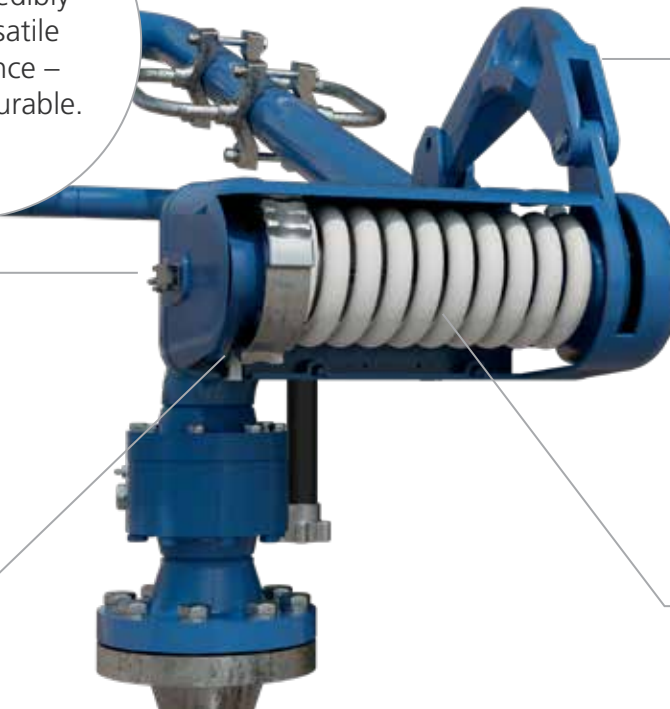
OPW ADVANTAGE: SAFETY

Torsion springs provide a safer means for adjustment, keeping workers out of harm's way. Simply lift the arm and adjust with a socket wrench. No special tool needed.



OPW ADVANTAGE: DURABILITY

Torsion springs are durable and long-lasting — we have many that have been in service for 20 to 30 years!



The OPW Guarantee

We **guarantee** you will receive our best service

In addition to our wide range of loading systems and accessories, we guarantee to provide you the best experience. Our service commitment includes:

- Providing the best engineered solutions for your operations
- Troubleshooting and correcting any problems
- Designed with safe and ergonomic operation in mind
- Providing local expertise and support



◆ A Swivel above the rest

OPW ADVANTAGE:
All-Stainless-Steel Construction

OPW uses 100% stainless steel for all OPW stainless-steel swivels and loading arms.

Competitors use stainless for wetted parts and utilize a carbon-steel bearing. Not 100% stainless-steel construction.

OPW ADVANTAGE:
In corrosive environments, carbon-steel components will corrode, putting your system at risk. In addition, all-steel components would be compromised at first sign of leakage. Choose all-stainless-steel construction. Choose OPW!

OPW ADVANTAGE:
Protection from Static Electricity

OPW Grounding Plungers ensure constant contact during production. They are designed to allow the swivel to rotate 360-degrees without pulling off the bonding straps or cables.

Competitors rely on external mounting points that leave them open to attack from the elements and tampering.

OPW ADVANTAGE:
No external bonding straps/cables required.

Dual Split-Flange Swivel Joint



OPW ADVANTAGE:
Advanced Leak Protection

OPW swivels have an advanced leak-detection port that utilizes redundant sealing that protects the integrity of the bearing module.

Competitors offer leak detection via a primitive bolt.

OPW ADVANTAGE:
OPW leak detection provides visual indication of leak while protecting the integrity of swivel.

OPW ADVANTAGE:
"Dual Split" Flange Design

Quick and easy access to all primary/secondary seals.

Ability to replace complete bearing module to further extend life of your equipment.



OPW ADVANTAGE:
Dual Ball-Bearing Races

OPW uses dual ball-bearing races for more strength and stability.

Competitors use a single-race design.

OPW ADVANTAGE:
Dual-race design ensures that your loading system is built for the long haul.

◆ The most complete line of loading arms and accessories



Every Arm, Every Option

OPW offers pre-engineered solutions that are ideal for the many common fluid-transfer solutions to fully customizable systems that meet the specific needs of every unique application.

- Turnkey overfill, heating, and insulation options
- Experienced local pre- and post-sales support
- Dedicated distribution network
- Manufactured in the USA in our 200K square feet plant

Top/bottom loading	Accessories	Machining	Welding	Testing
<ul style="list-style-type: none"> • Truck & Rail • Drums • Totes 	<ul style="list-style-type: none"> • Overfill & Ground Monitors • Safety Breakaways • Valving • Vapor Recovery • Vacuum Breakers • Steam or Electric Heating • Insulation Packages 	<ul style="list-style-type: none"> • State-of-the-art technology • In-house machining centers 	<ul style="list-style-type: none"> • Certified Welders • Robotic Welding • Rigorous Inspection 	<ul style="list-style-type: none"> • In-house X-ray • 100% Testing of Every Component • Continuous Quality Control

Your Connection for Every Connection

OPW manufactures a complete line of industry-leading connectors specifically designed for hazardous fluids including applications for quick and dry disconnects, and API bottom loading couplers. For extreme pressure and temperature applications, the Hiltap™ brand of products offers innovative and high-performing couplers.



Accessories to Meet Your Demanding Requirements

Our loading-system can be customized with accessories including: split-flange swivels, overfill and grounding monitors, safety breakaway couplers, valving, vapor recovery, vacuum breakers, steam/electric heating, and insulation packages, and more.

Rely on the Loading Arm Pros... Rely on OPW!

Contact an OPW Engineered Systems Sales Representative to Design Your Loading System

Proudly Made in Ohio! 