



# Loading Arm Compact Counterbalance

- Designed for loading arms installed in tight or obstructed spaces where standard torsion spring counterbalances (ESB1, ESB2) won't fit
- Recommended for fuel service only
- Suitable for upfeed or downfeed loading arm configurations
- Tested and proven through long-term field use with positive operator and maintenance feedback

- Inlet: 4" 150 lbs. flange bolt pattern
- Outlet: 4" TTMA flange bolt pattern

- Flow through torsion spring counterbalance design provides a compact size for restricted spaces
- Only requires an 11" radius to rotate
- Multiple spring rates for various reach and drop lengths
- Loading arms using this counterbalance are tested with Evapo-Rust®
- CTA housings and springs can be reconfigured from upfeed to downfeed

- FKM seals
- Ductile iron housing
- Carbon Steel 150 lbs. flange inlet connection and spring

- Rated to **150 PSI** (equal to TTMA flange rating)
- Swivel equipped with FKM seals **0°F (-18°C) to 400°F (204°C)** temperature range

| Size           | Part #           | Description                                                                |
|----------------|------------------|----------------------------------------------------------------------------|
| 4" Upfeed RH   | AVTA000000000000 | Regular load right-hand base swivel (4SFBP + 4SFSK-VI + 4SFNPCS installed) |
|                | BVTA000000000000 | Heavy load right-hand base swivel (4SFBP + 4SFSK-VI + 4SFNPCS installed)   |
| 4" Upfeed LH   | EVTA000000000000 | Regular load left-hand base swivel (4SFBP + 4SFSK-VI + 4SFNPCS installed)  |
|                | FVTA000000000000 | Heavy load left-hand base swivel (4SFBP + 4SFSK-VI + 4SFNPCS installed)    |
| 4" Downfeed RH | HVTA000000000000 | Regular load right-hand base swivel (4SFBP + 4SFSK-VI + 4SFNPCS installed) |
|                | JVTA000000000000 | Heavy load right-hand base swivel (4SFBP + 4SFSK-VI + 4SFNPCS installed)   |
| 4" Downfeed LH | LVTA000000000000 | Regular load left-hand base swivel (4SFBP + 4SFSK-VI + 4SFNPCS installed)  |
|                | MVTA000000000000 | Heavy load left-hand base swivel (4SFBP + 4SFSK-VI + 4SFNPCS installed)    |



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## Compact Base Swivel Loading Arm Assembly With Aluminum Drop Pipe



NOTE: Compact Base Swivel Loading Arm Assemblies can be configured in various length and orientation combinations with a wide range of options. Please contact Dixon for details.