WEIGHT OPTIMIZED PRODUCT SOLUTIONS FOR TANK FLEETS

- Fifth Wheels and Mounting Systems
- Weld-on and Replaceable Kingpins
- Landing Gear Designed for Tank Trailers
- Pintle Hooks, Drawbars, and Couplers
- Auxiliary and Drive Axle Air Suspensions
- Air Mechanical Fixed Frame Suspension Axle Systems
RELIEVE TORSIONAL TANK TRAILER STRESSES WITH KOMPENSATOR®

HOLLAND Kompensator® is the world’s only fifth wheel mounting system designed to relieve the twisting force created between tractors and rigid in uneven terrain which can lead to frame cracks.

The patented design of the kompensator cradles the fifth wheel to allow it to slide side-to-side in uneven terrain. This allows more flexibility between tractor and trailer and reduces torque and twist transfer through the fifth wheel.

**FW35/FW33**
- 55,000 lbs. (25,000 kg) Maximum Vertical Load
- 150,000 lbs. (68,000 kg) Maximum Drawbar Pull

**FW7040**
- 70,000 lbs. (32,000 kg) Maximum Vertical Load
- 200,000 lbs. (91,000 kg) Maximum Drawbar Pull
  (Available as Outboard Angle Mount Only)

The Kompensator® is trusted in off-highway markets for oil patches, natural gas fracking, and military applications as well as on-highway markets for tankers, and drybulks.

TANKER IN UNEVEN/ROUGH TERRAIN WITHOUT KOMPENSATOR
- Center of Gravity Shifts Off Vehicle Center
- High Frame Stresses

TANKER IN UNEVEN/ROUGH TERRAIN WITH KOMPENSATOR
- Center of Gravity is Stable at Vehicle Center
- Frame Stresses Relieved

TOP PLATE
- Fifth wheel top plate slides side-to-side in the Kompensator cradle, relieving the high torsional (twisting) forces from rough terrain.

STATIONARY AND SLIDING MODELS AVAILABLE

Shown with FW35 top plate – also available with FW33 and FW70
THE FWAL IS THE WORLD’S LIGHTEST FIFTH WHEEL

Combine the proven reliability of HOLLAND Fifth Wheels with the leading technology of ALCOA forged aluminum, and the most innovative, lightweight fifth wheel in the world is created. Designed using master engineering, forging and machining technology, the FWAL is performance inspired to save weight and increase your bottom line with larger payloads.

CAPACITY
55,000 lbs. (25,000 kg) Maximum Vertical Load
150,000 lbs. (68,000 kg) Maximum Drawbar Pull

ADVANCED LOW LUBE PLATE DESIGN
Polyethylene material molded around a honeycomb pattern steel reinforcement plate to create a wear, peel, and warp resistant lube plate.

PRECISION MACHINED
Machined from solid billet of high strength forged aluminum.

AIR RELEASE OPTION
Allows in-cab release of the fifth wheel locking mechanism. With just a simple pull of a dash-mounted air switch, a pneumatic cylinder on the fifth wheel will effortlessly open the locking mechanism.

WEIGHT SAVINGS = INCREASED PAYLOAD
WHAT DOES –100 LBS. MEAN?

FUEL TANKER
+1 gal = –6.4 lbs.
FWAL = –100 lbs.
= +15.6 gal./haul

15.6 x 365 x 3 gal. days hauls/day
= +17,082 gal./yr.*

BULK HAULER
FWAL = –100 lbs.

100 x 365 x 2 lbs. days hauls/day
= +73,000 lbs./yr.*

* Numbers shown are for example purposes only. Substitute in your own numbers to calculate what your yearly payload increase could be.

UP TO 100 LBS. LIGHTER
vs STANDARD-DUTY EQUIVALENT

WHEN MAXIMIZING PAYLOAD MATTERS, SPEC THE FWAL
DURABILITY FOR ROBUST PERFORMANCE

INDUSTRY-LEADING STANDARD FEATURES

**Heavy-Duty Gearbox**
- Gearbox with low-temperature premium lube rated for service for -65°F to 225°F

**Double-D Crank Handle Connection**
- Shaft with double-D end means a stronger more stabilized cranking connection

**Large 5 1/8” Square Upper Tube Housing**
- Large size tube with radius corners provides maximum strength to meet heavy-duty application demands

**Heavy-duty One Piece Inner Tube**
- One piece inner tube for maximum strength when the leg is in the extended position

**Black Amour Metal Treatment**
- Treatment process, unlike paint or powder coating, means the ultimate in corrosion protection with no rust creep

---

**GEARING**
2.5 Turns Per Inch - High Gear
33.7 Turns Per Inch - Low Gear

**WEIGHT**
150 lbs.
(17” Travel, RCF, MRL, Reverse Shafts)

NOTE: Weight measurements are less hardware.

All specified capacities are tested in accordance with AAR M-931.

---

**CAPACITIES**
62,500 lbs. Lift Capacity
(100 ft./lbs. Input Torque)
200,000 lbs. Load Capacity
32,000 lbs. Side Load Capacity

**DURABILITY FOR ROBUST PERFORMANCE**

**OPTIONAL RCF FOOT AVAILABLE –**
RCF technology simply transmits the shock from the entire load in compression from steel-to-rubber-to-steel. That means reduced wear and damage to the cargo, trailer, and landing gear.

---

**STANDARD 5-YEAR WARRANTY OR PREMIUM LIFETIME WARRANTY**

HOLLAND Mark V models are available with standard or premium warranty options.

5-Year warranty covers defects in materials and workmanship.

Lifetime warranty covers defects in material and workmanship and comes standard with the NoLube™ feature, HD Bearing and RCF.

The 10-Year NoLube feature also reduces your maintenance bottom line and covers unexpected repairs and associated costs, unless the product is altered or damaged.

Recommended protection practices for your HOLLAND landing gear include routine greasing at 6 month intervals. After 10 years of operation, HOLLAND legs with the 10-Year NoLube feature, require routine greasing every 6 months.

Note: See warranties for details
For 5-year warranty see XL-LG20045WC
For Lifetime warranty see XL-LG11395WC
SAF CBXA23, CBX23 & CBX25 FIXED FRAME AIR SUSPENSION AXLE SYSTEMS

**SWING ALIGN™**
The industry’s fastest, most convenient and least expensive axle alignment system. Requires no replacement parts or disassembly. Axle alignment is achieved by direct adjustment of the lead screw, requiring less than 250 ft. lbs. of torque.

**MULTI-FUNCTIONAL PIVOT BUSHING**
The more robust bushing with its exterior void design limits the twisting movement that could lead to premature bushing and tire wear.

**OPTIMIZED AXLE SOLUTIONS**
The SAF CBX Series standard configuration features a SAF X-Series 5.75˝ diameter axle with 16½˝ x 7˝ extended life brake linings. The standard axle offering is approved for on-highway close spaced and wide spread tandem applications. Optional heavy-duty axles available for moderate-duty, on/off highway multi-axle applications.

**23k & 25k CAPACITY**

**SUSPENSION SYSTEM WEIGHTS**

<table>
<thead>
<tr>
<th>SAF Undressed Drum Brake Axle (16½˝ x 7˝ braked axle only – no slack adjusters or brake actuators)</th>
<th>CBXA23</th>
<th>CBX23</th>
<th>CBX25</th>
</tr>
</thead>
<tbody>
<tr>
<td>465 lbs.</td>
<td>508 lbs.</td>
<td>536 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SAF SC5 Dressed Drum Brake Axle (Includes steel hubs/drums, bearings, oil, slack adjusters and brake actuators)</th>
<th>CBXA23</th>
<th>CBX23</th>
<th>CBX25</th>
</tr>
</thead>
<tbody>
<tr>
<td>850 lbs.*</td>
<td>862 lbs.*</td>
<td>890 lbs.*</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SAF P89 Series Air Disc Brake Axle</th>
<th>CBXA23</th>
<th>CBX23</th>
<th>CBX25</th>
</tr>
</thead>
<tbody>
<tr>
<td>825 lbs.</td>
<td>862 lbs.</td>
<td>890 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

*Optional lightweight dressed drum brake wheel ends available - 78 lbs. lighter.

When equipped with optional SAF P89 Series air disc brakes, the CBXA23, CBX23 and CBX25 are the lightest weight 23k and 25k disc brake suspensions available.

---

**OPTIONAL P89 Series AIR DISC BRAKES**

**Two Model Choices to Meet Your Fleet’s Specific Needs**
The P89 model at a price point that makes sense for fleets of any size. And, the P89 Plus for premium performance. Disc brakes simply provide better performance than drum brakes. They stop shorter for increased safety and reduced maintenance for lower total cost of ownership.
OPTIONAL TIRE PILOT PLUS™
By PressureGuard - A Division of SAF-HOLLAND

Optional Tire Pilot Plus™ not only controls pressure through inflation, but also maintains equal pressure across all wheels and features high pressure relief for overinflated tires. The robust design sets it apart from competitive designs with durable components.

- Diamond knurled hose connections at both hubcaps and tire valve ends allow installation and replacement without a wrench.
- The stainless steel air hose connections are ported through the sides of the hubcap and are protected.
- System warning light alerts the driver only when there is a need to immediately seek service.

OPTIONAL POSILIFT™ LIFT AXLE SYSTEM

Light, Durable and Easy to Install

The SAF PosiLift™ Axle Lift System allows operators to easily increase payload with just the flip of a switch.

Featuring:
- Compact design
- Simple under axle lift
- Easy to install or retrofit
- Long life design stabilizing bar

Spec the Auto-PosiLift™ System – Tested and proven to provide up to a 1% fuel savings!* Auto-PosiLift™ brings significant benefits to your bottom line.

The Auto-PosiLift™ feature is programmed through a Meritor WABCO ABS with lift axle control to automatically lift the front axle when the system senses that only one axle is necessary to carry the load.

* Fuel savings calculated per SAE J1526 Type III. Comparison of a less than loaded trailer with and without an Auto PosiLift™ system.

Auto-PosiLift™ is ideal for Tank Fleets with multi-stop delivery and running empty return miles.