CBX AEROBEAM™ SERIES

THE INDUSTRY’S LIGHTEST WEIGHT FIXED FRAME TRAILER AIR SUSPENSION SERIES THAT DELIVERS DURABILITY AND PROVEN PERFORMANCE

23K, 25K & 30K CAPACITY TOP-MOUNT MODELS
The new CBX AeroBeam line of fixed suspensions offers the best in top mount design technology with 23,000 lbs., 25,000 lbs. and 30,000 lbs. capacity models. The top mount design features a new lighter weight, more durable cast steel trailing arm and includes proven CBX features such as SwingAlign, the industry’s most accurate axle alignment system, and premium SAF axles with optional P89 disc brakes. The new AeroBeam cast trailing arm features an integral shock absorber location to improve ride performance while also creating undercarriage clearance. The versatile model range meets most fleet applications from on-highway, to vocational, to heavy hauling. All models can be equipped with the optional PosiLift lift arm mechanism ideal for vocational multi-axle operations.

SwingAlign™ Axle Alignment
The fastest, easiest and most accurate axle alignment system in the industry. No replacement parts or disassembly is required. Axle alignment adjustment is made directly by the lead screw and permits unmatched alignment accuracy. Requires less than 250 ft. lbs. of torque to adjust.

Multi-Functional Pivot Bushing
A robust bushing with its exterior void design limits the twisting movement that could lead to premature bushing and tire wear.

When equipped with optional SAF P89 air disc brakes, the CBX AeroBeam Series provides the lightest weight fixed frame suspensions available.

* CBXAS30 Model Rated Suspension Capacity is 30,000 lbs. Axle Capacity is 25,000 lbs.

Pivot Connection with Tension Control (TC) Bolt
TC bolt design establishes and maintains proper clamp force on pivot connection assembly. Prevents bushing and frame bracket wear out, avoiding premature tire wear.

Integral Shock Absorber and Trailing Arm Design
Shock is mounted centrally in-line with frame bracket and air spring for optimized ride performance while location maximizes undercarriage clearance.

Lightweight Cast Steel Trailing Arm
Cast beam design meets the demand for durability while providing a low overall system weight.

Multi-Functional Pivot Bushing
A robust bushing with its exterior void design limits the twisting movement that could lead to premature bushing and tire wear.

Model CBXAS23 Shown

SAF Dual Piston Caliper is Standard Equipped.
SAF light weight single piston caliper available as option.

Drum Brake Axle is Standard Equipment
The SAF CBX AeroBeam Series standard configuration features a SAF X-Series 5.75” diameter axle with 16½” x 7” extended life brake linings and heavy-duty for both taper and parallel spindles.

When equipped with optional SAF P89 air disc brakes, the CBX AeroBeam Series provides the lightest weight fixed frame suspensions available.
OPTIONAL P89 SERIES
AIR DISC BRAKES

Proven Design Quality with Genuine Value

All the benefits you expect from the world’s leading trailer axle disc brake supplier, at a price point that makes sense for commercial fleets of all sizes.

Featuring:
- Heavy-duty vented rotor
- SAF caliper
- Premium matched set bearings
- Parallel or taper spindle
- 5-Year warranty (See Warranty for Complete Details)

Premium Performance Maintenance Free Design

Featuring the legendary INTEGRAL® rotor/hub and premium sealed bearings for reduced maintenance.

Featuring:
- INTEGRAL® rotor
- Long-life sealed bearings
- Premium brake chambers
- SAF caliper
- Robust parallel spindle
- Premium spindle nuts
- 7-Year warranty (See Warranty for Complete Details)

OPTIONAL SAF SC5 WHEEL END PACKAGE

Now available with dressed drum brake configuration, complete your CBX AeroBeam Suspension/Axle system with SAF SC5 wheel ends. Featuring 16½” x 7” extended life brake linings, premium axle spindle nuts, advanced long lasting seals and a peace of mind 5-year warranty.
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 with integrated fins.
- System warning light alerts the driver only when there is a need to immediately seek service.
- Can save over $750 per year per trailer.*

* TMC RP235 reports the following – Tires underinflated by 10% will wear 9% to 16% faster than properly inflated tires. Underinflated tires add roll resistance that can reduce fuel economy by as much 2%. The average fleet loses $750 USD per trailer each year due to improperly inflated tires.

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

CBL (Center Bag Lift) - Lift axle system is also available as an option.
# CBX AEROBEAM™ SERIES SPECIFICATIONS

## STANDARD OPTIONS

- 14˝, 15˝, 16˝, 17˝, 18˝ & 19˝ Upon Request

## FEATURES

<table>
<thead>
<tr>
<th>CBXAN23</th>
<th>CBXAS23</th>
<th>CBXAS25</th>
<th>CBXAS30</th>
</tr>
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<tbody>
<tr>
<td>SwingAlign™</td>
<td>•</td>
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<tr>
<td>Height Control Valve with Dump</td>
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<tr>
<td>Height Control Valve without Dump</td>
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<tr>
<td>Upper Air Spring Mounting Plates</td>
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<tr>
<td>Plastic™ - Lightweight Lift Axle System</td>
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</tr>
<tr>
<td>CBL (Center Bag Lift) - Lift Axle System</td>
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## STANDARD DRUM BRAKE AXLE

<table>
<thead>
<tr>
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<th>CBXAS30</th>
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<tbody>
<tr>
<td>Axle Track</td>
<td>71/2&quot;</td>
<td>77/2&quot;, 81/2&quot;, 83/2&quot;</td>
<td>71/2&quot;</td>
</tr>
<tr>
<td>Spindle</td>
<td>Taper</td>
<td>Parallel</td>
<td>Taper</td>
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<tr>
<td>Drum Brake</td>
<td>16½&quot; x 7&quot;</td>
<td>16½&quot; x 8½&quot;</td>
<td>16½&quot; x 7&quot;</td>
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<td>Extended Life Brake Linings</td>
<td>SAF Standard 20k</td>
<td>SAF Standard 23k</td>
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<td>Cam Enclosures</td>
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<tr>
<td>Dust Shields</td>
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<tr>
<td>SAF SCS Wheel End Package</td>
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## OPTIONAL P89 SERIES DISC BRAKE AXLE

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<td>71/2&quot;</td>
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<tr>
<td>P89 (5-Year System)</td>
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<tr>
<td>P89 Plus (7-Year System)</td>
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<td>Spindle – P89</td>
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<tr>
<td>Cambered Axle</td>
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<tr>
<td>SAF Tire Pilot Plus™</td>
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## SUSPENSION SYSTEM WEIGHTS (STANDARD BASE MODEL)*

<table>
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<tbody>
<tr>
<td>Undressed Drum Brake Axle</td>
<td>469 lbs.</td>
<td>492 lbs.</td>
<td>524 lbs.</td>
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<tr>
<td>SAF SCS Dressed Drum Brake Axle ***</td>
<td>858 lbs</td>
<td>881 lbs.</td>
<td>913 lbs</td>
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<tr>
<td>Stainless Steel Weld-On &amp; Tapered Top Weld-On</td>
<td>824 lbs</td>
<td>847 lbs</td>
<td>879 lbs</td>
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## TYPICAL APPLICATIONS

- Platforms
- Tank Trailers
- Dry Bulk
- Specialty Vans
- Michigan Trains
- Livestock
- Grain Hoppers
- Dollies & Pups
- Forestry Trailers
- B-Trains
- Dumps
- Container Chassis

## NOTE

CBXAN23 – Weld-On, Weld-On with Wing, Bolt-On, Stainless Steel Weld-On & Tapered Top Weld-On

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*Weights shown for base configuration - 14" ride height, 71½" parallel spindle axles.
**Other axle tracks available upon request.
***Optional lightweight drum brake wheel ends available - additional 68 lbs. lighter.
****Optional lightweight disc brake wheel ends available - additional 62 lbs. lighter.

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**FRAME BRACKET OPTIONS**

- CBXAN23 – Weld-On, Weld-On with Wing, Bolt-On, Stainless Steel Weld-On & Tapered Top Weld-On

**NOTE**: CBXAn number designations AN & AS
- A - Designates AeroBeam style cast beam
- N - Designates Narrow frame bracket
- S - Designates Standard frame bracket