CBXAS30 AEROBEAM™

THE LIGHTEST AND TOUGHEST HEAVY-DUTY 30K AIR SUSPENSION & 25K AXLE CAPACITY SYSTEM AVAILABLE FOR HEAVY-HAUL, MULTI-AXLE SPECIALTY TRAILERS

AVAILABLE WITH P39 AIR DISC BRAKES PLUS™
The CBXAS30 AeroBeam™ offers a robust 30k fixed frame, top mount suspension to vocational fleets operating heavy-duty trailer applications. The CBXAS30 carries the new streamlined AeroBeam design to create the lightest weight 30k suspension/25k axle system available in the industry. The robust, yet lightweight suspension design works to maximize payloads, while providing superior durability for long life performance. The CBXAS30 AeroBeam is a pre-engineered, single sourced axle and suspension system designed to meet the package size and performance requirements for self-steer, multi-axle, specialty trailer applications.

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.

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, preventing premature tire wear.

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

Frame Brackets
Weld-on, bolt-on and weld-on with wing frame brackets are available for multiple trailer configurations.

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.

Air Spring
Large volume air spring with robust aluminum piston for durability.

Drum Brake Axle is Standard Equipment
The SAF CBXAS30 AeroBeam standard configuration features a SAF X-Series 5.75˝ diameter axle with 16½˝ x 7˝ extended life brake linings and heavy-duty parallel spindles.

Superior Corrosion Protection
BLACK ARMOUR® IS STANDARD WITH AEROBEAM

ECO-FRIENDLY

P89 Plus air disc brakes with the INTEGRAL® hub and rotor assembly with sealed bearings. Disc brakes simply provide better performance than drum brakes. They stop shorter for increased safety and reduce maintenance for lower total cost of ownership.
OPTIONAL P89 PLUS
AIR DISC BRAKES

Premium Performance Maintenance Free Design

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

**Featuring:**
- Enhanced braking performance with shorter stopping distances versus drum brake systems
- Significantly longer brake pad life for extended service intervals
- North American design for reliable, robust performance
- Lowers risk for out-of-adjustment violations when compared to drum brakes
- Reduced maintenance and quick brake pad replacement for increased uptime
- INTEGRAL™ disc brake technology for superior braking performance and longer brake pad life

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**Long life sealed bearings**

Long lasting, leak resistance that protects against extreme temperatures and corrosive chemicals.

**Heavy-duty parallel spindle wheel end**

Robust spindle design with premium, long life sealed bearings for enhanced performance, unmatched durability and reduced maintenance.

**Industry standard premium style spindle nut**

Provides precise bearing adjustment utilizing spindle nuts with North American standard right hand threads that prevents inadvertent back-offs when engaged and easily disengaged for simple removal.
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.

- Automatically responds to small leaks caused by road hazards like nails and metal debris.
- System warning light alerts the driver ONLY when there is a need to immediately seek service.
- 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 between the integrated fins.
- High Pressure Relief feature maintains equal and proper pressure for all tires.
- Tire Pilot Plus™ can easily be specified on CBX AeroBeam Series suspensions, or is available as a simple retrofit on existing trailers.
- 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 per trailer each year due to improperly inflated tires.
**OPTIONAL POSILIFT™ LIFT AXLE SYSTEM**

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

**Optional SAF SCS Wheel End Package**

Now available with dressed drum brake configuration, complete your CBXAS30 AeroBeam Suspension/Axle system with SAF SCS 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.

**SUSPENSION SYSTEM WEIGHTS**

<table>
<thead>
<tr>
<th>Description</th>
<th>CBXAS30</th>
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</thead>
<tbody>
<tr>
<td>SAF Undressed Drum Brake Axle (16½” x 7” braked axle only – no slack adjusters or brake actuators)</td>
<td>555 lbs.</td>
</tr>
<tr>
<td>SAF SCS Dressed Drum Brake Axle (Includes steel hubs/drums, bearings, oil, slack adjusters and brake actuators)</td>
<td>942 lbs. **</td>
</tr>
<tr>
<td>SAF P89 Plus Air Disc Brake Axle</td>
<td>908 lbs. ***</td>
</tr>
</tbody>
</table>

*Weights chosen for a base configuration - 14’ ride height, 71½” parallel spindle axle.
** Optional lightweight drum brake wheel ends available - additional 5 lbs lighter.
*** Optional lightweight disc brake wheel ends available - additional 62 lbs lighter.

**CBXAS30 AEROBEAM™ SPECIFICATIONS**

**CBXAS30 AEROBEAM - 30,000 lbs. Suspension Capacity, 25,000 lbs. Axle Capacity**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>STANDARD</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ride Heights</td>
<td>14’, 15’, 16’ &amp; 17’</td>
<td>Upon Request</td>
</tr>
<tr>
<td>SwingAlign™</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height Control Valve with Dump</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height Control Valve without Dump</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Air Spring Mounting Plates</td>
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<td></td>
</tr>
<tr>
<td>PosiLift™ – Lift Axle System</td>
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**STANDARD DRUM BRAKE AXLE PACKAGE**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>STANDARD</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axle Track</td>
<td>71½”</td>
<td>77½”, 81½”, 83½” ****</td>
</tr>
<tr>
<td>Spindle</td>
<td>Parallel</td>
<td></td>
</tr>
<tr>
<td>Drum Brake</td>
<td>16½” x 7”</td>
<td>16½” x 8½”</td>
</tr>
<tr>
<td>Extended Life Brake Linings</td>
<td>SAF Standard 23k</td>
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</tr>
<tr>
<td>Tire Inflation Prep</td>
<td>Drilled &amp; Tapped Only</td>
<td></td>
</tr>
<tr>
<td>Cam Enclosures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dust Shields</td>
<td></td>
<td></td>
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<tr>
<td>SAF SCS Wheel End Package</td>
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</tbody>
</table>

**OPTIONAL P89 SERIES AIR DISC BRAKE AXLE PACKAGE**

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>STANDARD</th>
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</thead>
<tbody>
<tr>
<td>Axle Track</td>
<td>71½”</td>
<td>77½”, 81½”, 83½” ****</td>
</tr>
<tr>
<td>P89 Plus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spindle – P89 Plus</td>
<td>Parallel</td>
<td>NA</td>
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<tr>
<td>Fully Dressed with ABS Sensors Installed</td>
<td>Drilled &amp; Tapped Only</td>
<td>NA</td>
</tr>
<tr>
<td>Tire Inflation Prep</td>
<td>Drilled &amp; Tapped Only</td>
<td></td>
</tr>
<tr>
<td>Dust Shields</td>
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**** Other axle tracks available upon request.

**TYPICAL APPLICATIONS**

- Platform
- Heavy Hauling
- Grain
- Logging
- Specialty Trailers
- Chip Van
- Dump
- Tank Trailers

Rugged CBXAS30 AeroBeam Fixed Frame Suspensions are performance proven for specialty trailer applications. (See suspension application guide)