

CBXA AeroBeam™ Series

The Industry's Lightest Weight Fixed Frame
Trailer Air Suspension Series that Delivers
Durability and Proven Performance



*Featuring Haldex
Calipers and Actuators*



23K, 25K & 30K CAPACITY
TOP-MOUNT MODELS

CBXA AeroBeam™

Fixed Frame Trailer

Air Suspension

Axle Systems

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 axle mechanism ideal for vocational multi-axle operations.

WHEN EQUIPPED WITH OPTIONAL SAF P89 AIR DISC BRAKES, THE CBX AEROBEAM SERIES PROVIDES THE LIGHTEST WEIGHT FIXED FRAME SUSPENSIONS AVAILABLE.



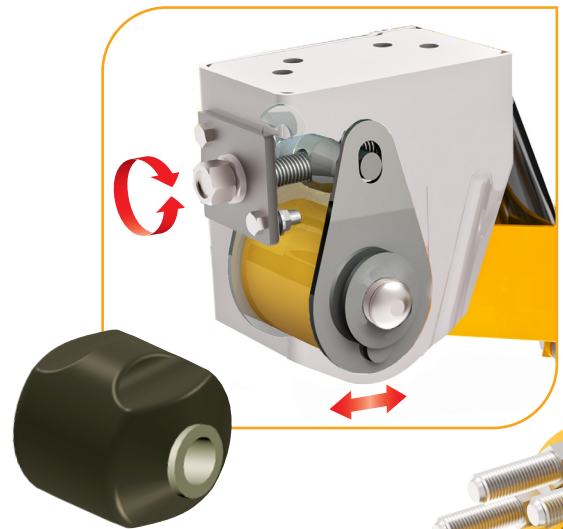
For more information,
scan QR code.

www.CBXAeroBeam.com

SUSPENSION CAPACITIES*
23,000 lbs. CBXAN23
23,000 lbs. CBXAS23
25,000 lbs. CBXAS25
30,000 lbs. CBXAS30

SwingAlign™ Axle Alignment

The fastest, easiest and most accurate axle alignment system in the industry. No replacement parts, loosening, or disassembly 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.



FEATURING



AIR DISC BRAKES

Air Disc Brake Performance Advantages

Disc brakes simply provide better performance than drum brakes. They stop shorter for increased safety and reduce maintenance for lower total cost of ownership.

**Suspension capacity shown. Axle and brakes rated independently.*



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.



Model CBXAN23 Shown



CBXAS30 Features

Large volume air spring with robust aluminum piston for durability.

Haldex LifeSeal+™ Actuators

The only truly sealed premium combination model actuator on the market for extended life.



Haldex Single Piston Caliper

The industry's lightest weight single piston design with a T-shaped, wide thrust plate to ensure even force distribution and sufficient support to the pad back plate.

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 service brake linings and heavy-duty S-cams for both taper and parallel spindles.

SUPERIOR CORROSION PROTECTION



BLACK ARMOUR® IS STANDARD WITH AEROBEAM



ECO-FRIENDLY



Optional SAF SC5 Wheel Ends

Now available with our SAF "SC5" wheel end package that provides an engineered solution for a completely dressed drum brake configuration with a 5-year peace of mind warranty.



Haldex LifeSeal+™ Spring Brake Actuator

The industry's first and only truly sealed, double diaphragm spring brake with a 7-year standard-duty line haul/OTR warranty.

Industry Leading Air Disc Brake Warranty

See XL-AS11003WC warranty statement for complete details.

Air Disc Brake Performance Advantages

Enhanced braking performance for shorter stopping distances with significantly longer brake pad life for extended service intervals. Reduced maintenance and quick brake pad replacement for increased uptime. Over 100 lbs. of weight savings per tandem when compared to drum brake systems.

PSP7™ Heavy-Duty Parallel Spindle Wheel End

Robust design with ConMet® PreSet Plus® hub assembly that features a fully integrated spindle nut, optimized bearing spacer, and advanced long-lasting seals and bearings. Industry leading 7-year P89™ PSP7 wheel end package warranty.



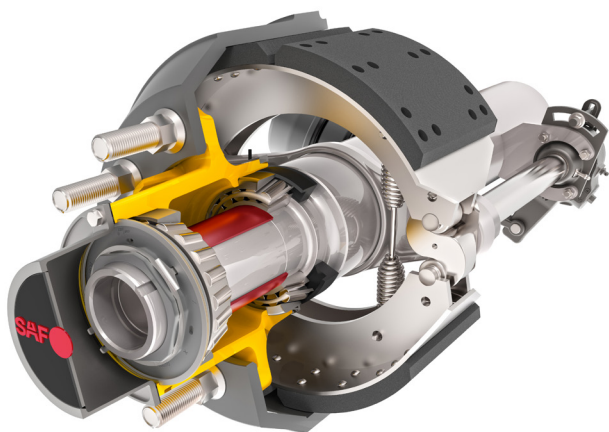
Haldex ModulT® DBT22LT Gen II ADB Caliper

Proven Haldex single piston technology with industry leading features that provide reliable, long-life operation and robust braking performance, all in a lightweight design.

Optional Haldex ADB BrakeSight™ Pad Wear Sensors.

Optional SAF PSP7™ Drum Brake Wheel End Package

Now available with dressed drum brake configuration, complete your CBX Aerobeam Suspension system with SAF PSP7 wheel ends. Featuring Haldex 16½" x 7" extended life brake linings, ConMet® PreSet Plus® hub assembly with optimized bearing spacers, advanced long lasting seals and bearings, and an extended peace of mind 7-year warranty.



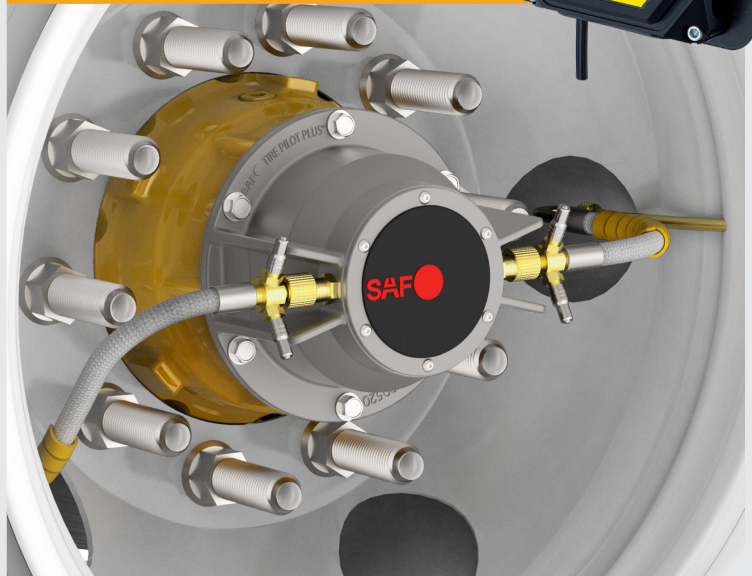
Optional Tire Pilot™ Plus

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.

The Tire Pilot™ Plus system is now electronically controlled for enhanced fuel economy and tire life.



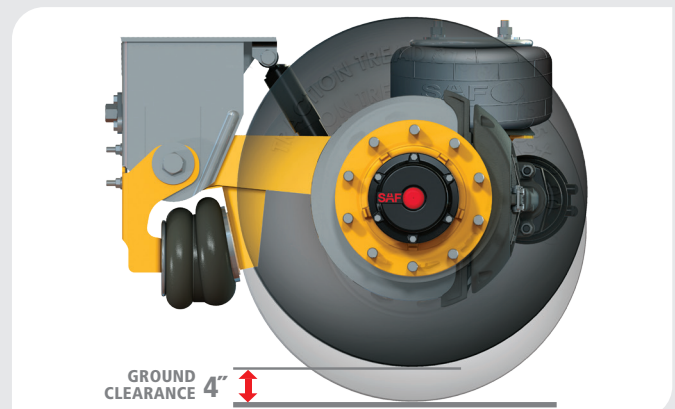
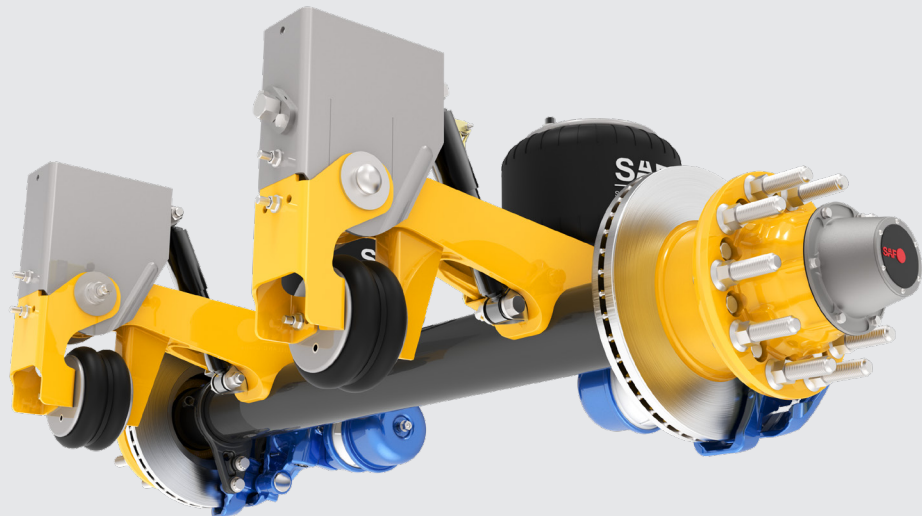
Optional PosiLift™ Lift Axle System

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.
- Easy to install or retrofit.
- Simple under axle lift.
- Long life design stabilizing bar.



CBXA AeroBeam™ Series Specifications

FEATURES	CBXAN23		CBXAS23	
	STANDARD	OPTIONS	STANDARD	OPTIONS
Ride Heights	16"	14", 15", 17"	16"	14", 15", 17"
SwingAlign™	•		•	
Height Control Valve with Dump		•		•
Height Control Valve without Dump		•		•
Upper Air Spring Mounting Plates		•		•
PosiLift™ – Lightweight Lift Axle System		•		•

STANDARD DRUM BRAKE AXLE		CBXAN23		CBXAS23	
Axle Track		71½"	77 ½" or 83 ½"	71½"	77 ½" or 83 ½"
Spindle		Taper	Parallel	Taper	Parallel
Drum Brake		16½" x 7"	16½" x 8⅝"	16½" x 7"	16½" x 8⅝"
Extended Service Brake Linings		SAF Standard 20k	SAF Standard 23k	SAF Standard 20k	SAF Standard 23k
Tire Inflation Prep:	Drilled & Tapped Only	•		•	
	SAF Tire Pilot™ Plus		•		•
Cam Enclosures			•		•
Dust Shields			•		•
SAF SC5 Wheel End Package (5-Year System)			•		•
SAF SC7 Wheel End Package (7-Year System)			•		•

OPTIONAL P89 SERIES DISC BRAKE AXLE		CBXAN23		CBXAS23	
Axle Track		71½"	77 ½" or 83 ½"	71½"	77 ½" or 83 ½"
P89™ (5-Year System)		•		•	
P89™ PSP7(7-Year System)			•		•
Spindle		Parallel	N/A	Parallel	N/A
Cambered Axle			•		•
Dust Shields		•		•	
Tire Inflation Prep:	Drilled & Tapped Only	•		•	
	SAF Tire Pilot™ Plus		•		•

SUSPENSION SYSTEM WEIGHTS (STANDARD BASE MODEL)*	CBXAN23	CBXAS23	CBXAS25	CBXAS30
Undressed Drum Brake Axle (16.5" x 7" braked axle only – no slack adjusters or brake actuators)	469 lbs.	492 lbs.	524 lbs.	555 lbs.

* Weights shown for base configuration - 14" ride height, 71½" parallel spindle axles.

Typical Applications

Versatile CBX AeroBeam™ Fixed Frame Series Suspensions are performance proven for specialty trailer applications. (See XL-MP20033SG suspension application guide)

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

CBXAS25		CBXAS30	
STANDARD	OPTIONS	STANDARD	OPTIONS
16"	14", 15", 17"	16"	14", 15", 17"
•		•	
	•		•
	•		•
	•	•	
	•		•

CBXAS25		CBXAS30	
71½"	77 ½" or 83 ½"	71½"	77 ½" or 83 ½"
Parallel	N/A	Parallel	N/A
16½" x 7"	16½" x 8⅝"	16½" x 7"	16½" x 8⅝"
SAF Standard 23k		SAF Standard 23k	
•		•	
	•		•
	•		•
	•		•
	•		•
	•		•

CBXAS25		CBXAS30	
71½"	77 ½" or 83 ½"	71½"	77 ½" or 83 ½"
•		•	
	•		•
Parallel	N/A	Parallel	N/A
N/A	N/A	N/A	N/A
•		•	
•		•	
	•		•

Frame Bracket Options

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

CBXAS23, CBXAS25 & CBXAS30 – Weld-On, Weld-On with Wing, and Bolt-On

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

Engineering Your Road to Success

The SAF-HOLLAND Group is one of the leading international manufacturers of chassis-related systems and components for trailers, trucks and buses. Our innovative products increase the efficiency, safety and environmental friendliness of commercial vehicles, that contributes to the success of our customers. With around 5,500 employees worldwide, we are at the forefront of shaping the future of the transportation industry.



Trailer Axles and
Suspension Systems



Coupling and Lifting
Technologies



Brake Solutions and
Air Valve Technologies



Suspensions and Components
for Commercial Vehicles



Suspensions for
Trucks and Buses



Trailer
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