

CBX40 AeroBeam™

The Lightest and Toughest Tandem Slider Air Suspension Solution Available for Van and Reefer Trailers Featuring P89 Series Air Disc Brakes



*Featuring Haldex
Calipers and Actuators*



The CBX40 AeroBeam™ Tandem Slider Air Suspension System

The SAF CBX40 AeroBeam™ is the lightest weight slider air suspension available and features a streamlined design for tough performance and reduced weight. The P89™ air disc brake systems are available as options to increase performance and reduce the maintenance costs of your equipment.

**THE INDUSTRIES LIGHTEST
WEIGHT SLIDER AIR
SUSPENSION AXLE SYSTEM**



Optional Upper Body Rails

Roll formed body rails are manufactured from high strength 80,000 lb. yield steel.

Streamlined Design

Streamlined suspension and shock absorber design for a compact suspension package with cast steel durability.

Slider Sub-Frame

80 ksi steel construction with 16 strategically placed reinforcements improves resistance to damage caused by curb strikes, slider repositioning and drag turns.

**40,000 - Pound
Capacity System**

Air Release

is a simple, effective pin-pull system. The air release design is compact, durable, and allows easy manual operation in the event of an air-down situation.

Swing Align™

The fastest and most convenient axle alignment system in the industry. No replacement parts or disassembly is required. Axle alignment adjustment is made directly by the lead screw. Requires less than 250 ft. lbs. of torque to adjust.

Air Spring

TOFC compatible with a standard pneumatic dump valve.

Haldex Spring Brake Actuators

feature the premium LifeSeal+ combination model, the only truly sealed actuator on the market for extended life. Drum brake systems come standard with GoldSeal+ combination actuators which set the industry standard for reliable performance.

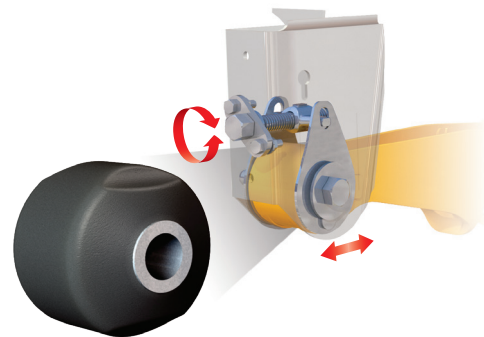
Haldex

PosiLok™

minimizes dock walk and suspension squat. Creates a stable and safe loading and unloading operations.

Haldex Single Piston Caliper

is 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.



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.

SUPERIOR CORROSION PROTECTION



**BLACK ARMOUR®
IS STANDARD
WITH AEROBEAM**

ECO-FRIENDLY

FEATURING

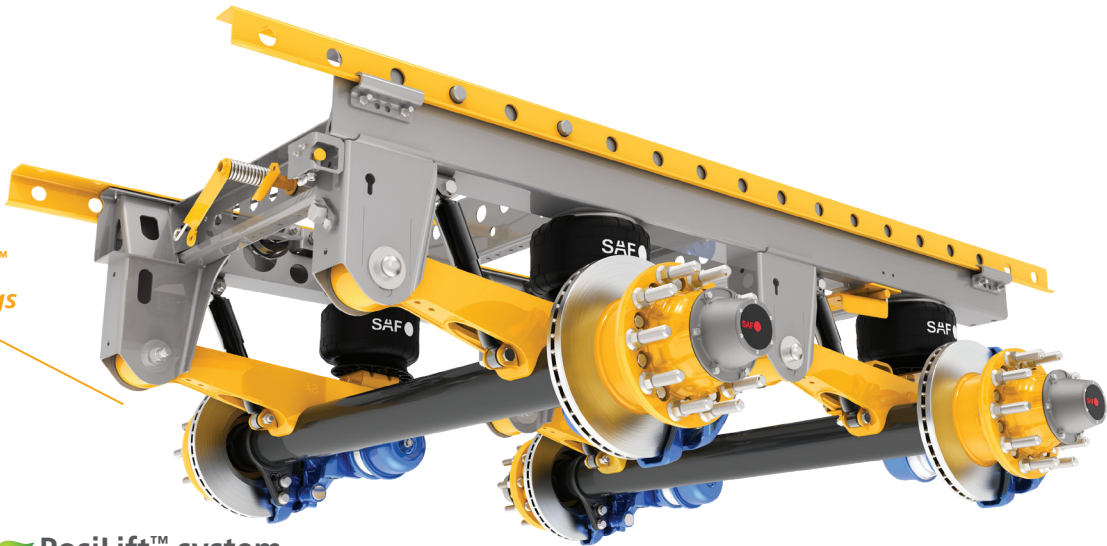


Air Disc Brake Performance Advantages

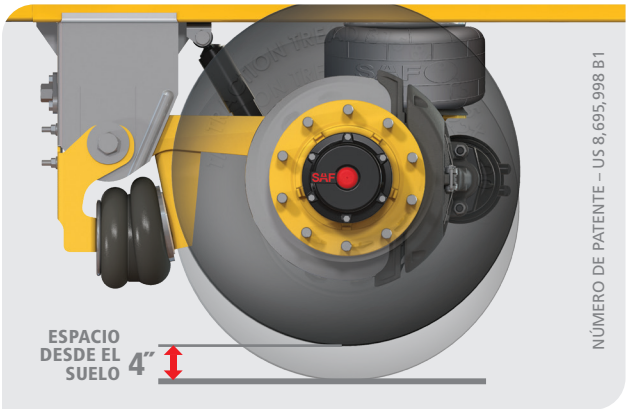
Disc brakes simply provide better performance than drum brakes. They stop shorter for increased safety and reduce maintenance for lower total cost of ownership.

Additional Features

Optional
Auto-PosiLift™
for 1% Savings
in Fuel*



Spec the Auto-PosiLift™ system –
tested and proven to provide up
to a 1% fuel savings!*



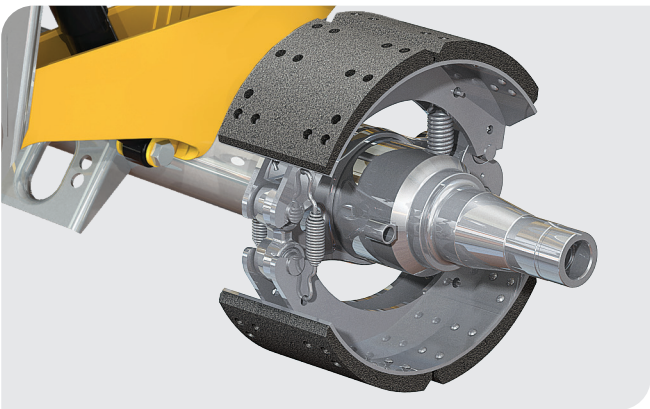
The patented Auto-PosiLift™ feature functions through a programmable ABS with lift axle control to automatically lift the front axle when the system senses that only one axle is necessary to carry the load.

Significant Bottom Line Benefits

- Up to a 1% fuel mileage savings when axle is lifted
- Increased tire life and reduced tire scrub
- No driver interaction required
- Reduction in toll fees
- Increased suspension component life
- Longer wheel end service intervals

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

SAF drum brake axle is standard equipment



The SAF CBX40 AeroBeam standard configuration features SAF X-Series 5¾" diameter axles with 16½" x 7" extended life brake linings, short cams, and industry standard taper spindles. Optional 16½" x 85/8" parallel spindles available.

SUSPENSION SYSTEM WEIGHTS**	CBXA40
SAF Undressed Drum Brake Axle (16.5" x 7" braked axle only – no slack adjusters or brake actuators)	1,267 lbs
SAF Dressed Drum Brake Axle (Includes steel hubs/drums, bearings, oil, slack adjusters and brake actuators)	2,037 lbs***
SAF P89 Series Air Disc Brake Axle	1,967 lbs

** Weights shown for a base configuration. 48" wide slider, 16" ride height, 77.5" taper spindle axles, air release, no PosiLok™.

*** Optional lightweight dressed drum brake wheel ends available - 130 lbs. lighter.



Haldex LifeSeal+ Spring Brake Actuator

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

Industry Leading Air Disc Brake Warranty

See XL-MS10204WC 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.

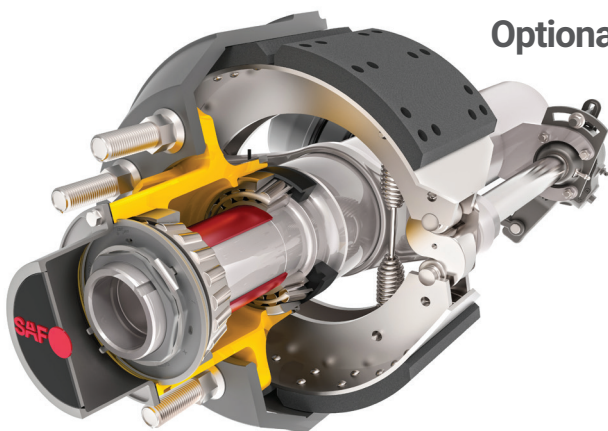


Haldex ModulT® DBT22LT Gen II ADB Caliper

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 Continuous Pad Wear Sensors available soon.

Optional SAF PSP7™ Drum Brake Wheel End Package



Now available with dressed drum brake configuration, complete your ULX40 Suspension/Axle 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

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

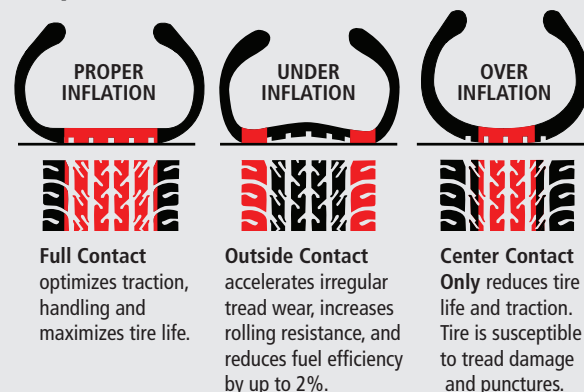
Optional Tire Pilot Plus™ not only controls pressure through inflation, but also maintains equal pressure across all wheels and features high pressure relief for overinflated tires. The robust design sets it apart from competitive designs with durable components.

- 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 and ULX 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 USD per trailer each year due to improperly inflated tires.



Proper Air Pressure is Critical to Tire Life



P89 PLUS™ DISC BRAKES ARE THE IDEAL SOLUTION FOR THESE SAF SUSPENSIONS



CBX23 AeroBeam™
CBX23/CBX25
CBX25/30 CBX25/30u



CBX23u CBX25u
CBX25/30y
CBX25/30u



CBX40 AeroBeam™
CBX40/CBX46/CBX50



ULX40



CBX69

CBX40 AeroBeam™ Specifications

CBXA40 AeroBeam		
FEATURES	STANDARD	OPTIONS
Ride Heights	16", 16½", 17" & 18"	Upon Request
Slider Width	48"	42" & 54"
Air Release Pin Puller	•	
Patented Qwik Release® Manual Pin Puller		•
Swing Align™	•	
Assembled System	•	
Height Control Valve with Dump	•	
Height Control Valve without Dump		•
Air Springs with 1/4" Ports	•	
PosiLok™ – Anti Dock Walk Device	•	
Auto-PosiLift™		•
Slider Configured to Accommodate 6" Center 1⅜" Body Rails	•	
Slider Configured to Accommodate 4" Center 1⅝" Body Rails		•
Air Tank, Mud Flap & Stinger Brackets		•
Holland Upper Slider Rails		•
Manual Stop Bars		•

DRUM BRAKE AXLE PACKAGE		STANDARD	OPTIONS
Axle Track		77½"	71½", 81½", 83½"*
Spindle		Taper	Parallel
Drum Brake		16½" x 7"	16½" x 8⅝"
Extended Life Linings		SAF Standard 20kk	SAF Standard 23k
Tire Inflation Prep:	Drilled & Tapped Only	•	
	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 AIR DISC BRAKE AXLE PACKAGE		STANDARD	OPTIONS
Axle Track		77½"	71½", 81½", 83½" *
P89 (5-Year System)		•	
P89 PSP7 (7-Year System)			•
P89 Plus (7-Year System)		•	
Spindle – P89		Parallel	Taper
Spindle – P89 PSP7		Parallel	Taper
Spindle – P89 Plus		Parallel	NA
Calipers – Haldex Single Piston		•	NA
Tire Inflation Prep:	Drilled & Tapped Only	•	
	Tire Pilot Plus™		•

* Other axle tracks available upon request.

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
Telematics



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Trailer Axles and
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