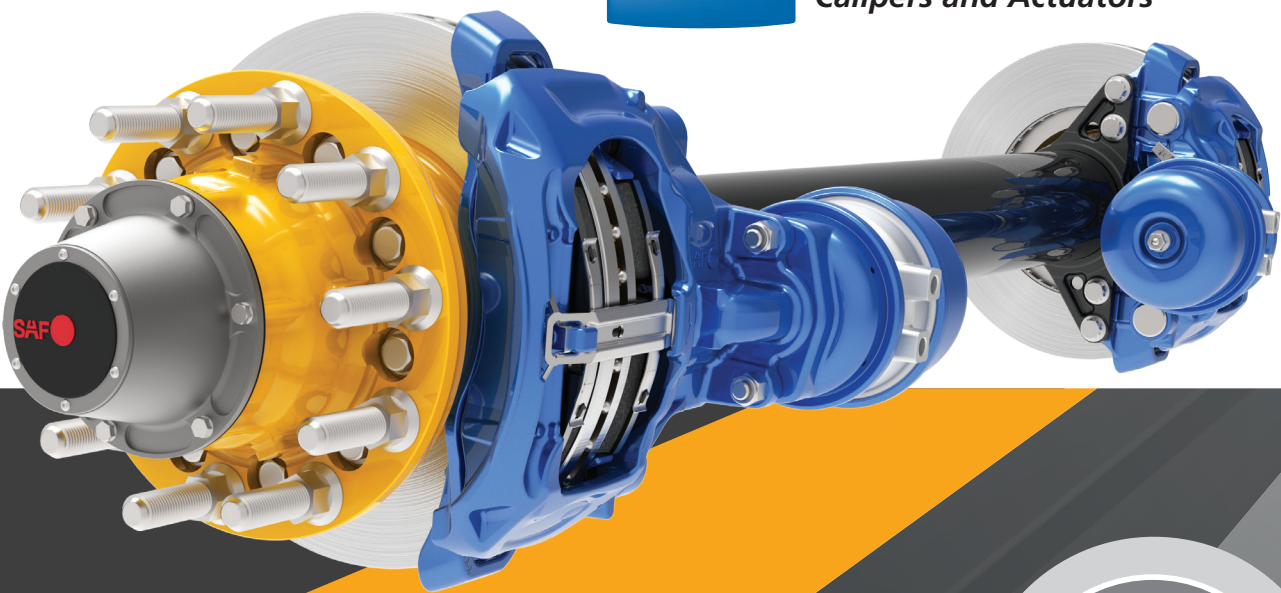


P89 Air Disc Brakes

Proven Air Disc Brake Technology that Delivers Reliability
and Reduced Maintenance for Maximum Uptime

**Haldex**

*Featuring Haldex
Calipers and Actuators*

P89
TM

SAF® P89 Air Disc Brake Technology

The P89 air disc brake is globally recognized for its advanced braking efficiencies, reliability and low cost of ownership. With application and maintenance flexibility, the P89 is engineered to accommodate up to, and including, 2" offset wheels and utilizes spindle nuts with North American standard right hand threads for service convenience.

The P89 comes with all the benefits you expect from the world's leading trailer axle disc brake supplier, at the price point that makes sense for commercial fleets of all sizes.

P89 DISC BRAKES ARE THE IDEAL SOLUTION FOR THESE SUSPENSIONS



INDUSTRY LEADING AIR DISC BRAKE 5-YEAR WARRANTY
(See warranty document XL-AS11003WC for details)

Heavy-duty vented rotor

Large internal cooling channels and 30% more wearable rotor surface than comparable designs. More evenly dissipates heat to reduce rotor distortion for a long service life.

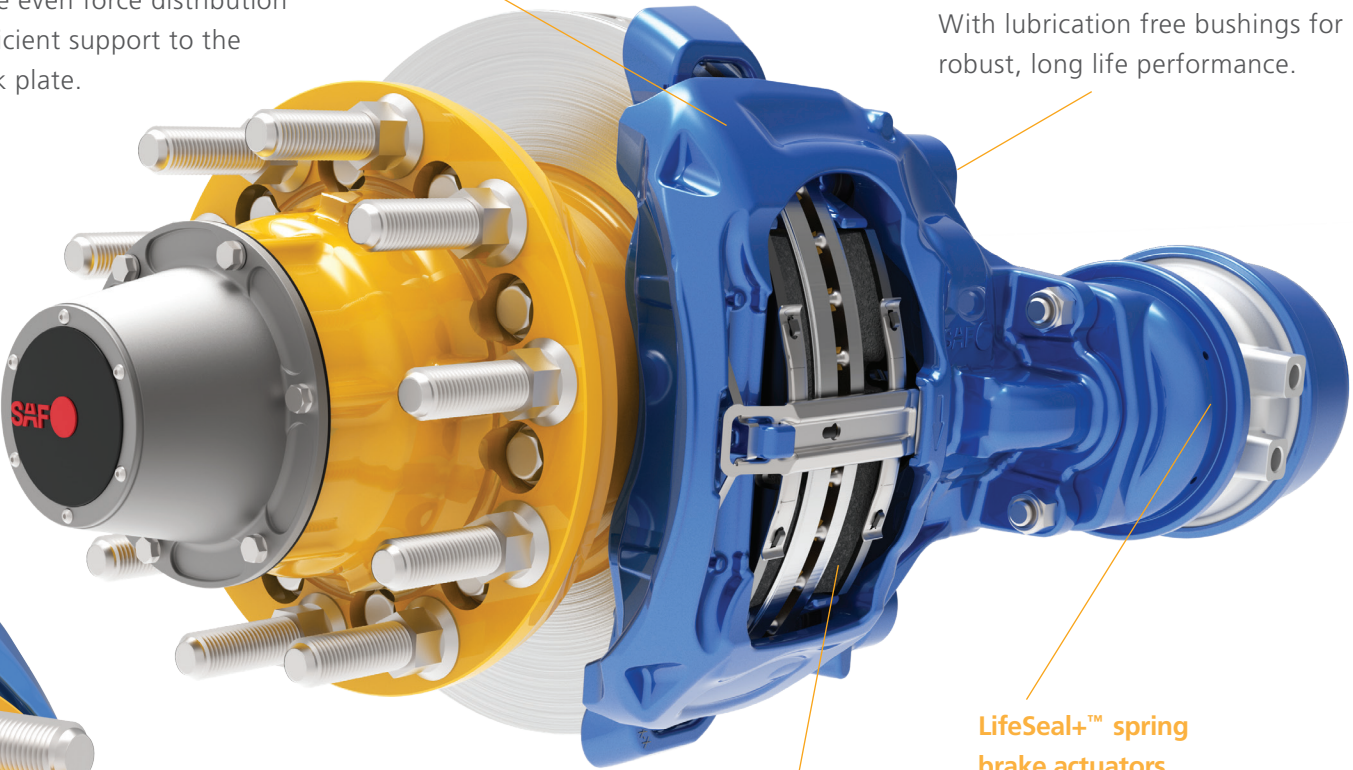


Heavy-duty parallel spindle wheel end

Robust, large, 89mm parallel spindle design with for enhanced performance, reliability and unmatched durability.

Haldex ModuLT® DBT22LT Gen II 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.



Sealed stainless leading and trailing slide pins

With lubrication free bushings for robust, long life performance.

LifeSeal+™ spring brake actuators

The industry's only truly sealed actuator on the market for the ultimate in long-life performance.

Semi-metallic disc brake pads

Copper-free pad material provides the optimum balance of stopping power and long wear life to extend service intervals.

PSP5™ premium 5-year warranty hub assembly or the optional PSP7™ with 7-year warranty

Completes the SAF Suspension/Axle System with heavy-duty pre-adjusted hub assembly that features a fully integrated spindle nut design, optimized bearing spacer, and advanced long-lasting seals and bearings.



PSP Spindle Nut System for Improved Wheel End Clamp Load

P89 Air Disc Brake Fleet Benefits

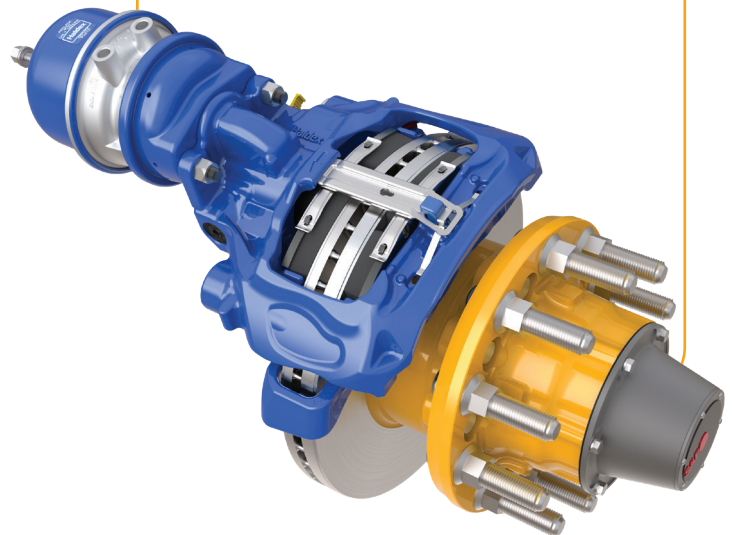


- Enhanced braking performance with shorter stopping distance versus drum brake systems
- Significantly longer brake pad life for extended service intervals
- North American design for reliable, robust performance
- Lowers risk for out-of-adjustment violations when compared to drum brakes
- Reduced maintenance and quick brake pad replacement for increased uptime
- 50 lbs. savings per tandem when compared to drum brake systems
- Designed to accept industry standard wear parts
- Industry leading 5-year warranty (See XL-AS11003WC for details)



**ALSO AVAILABLE
OPTIONAL P89 PSP7**

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 Enhanced Tire Pressure Management System



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

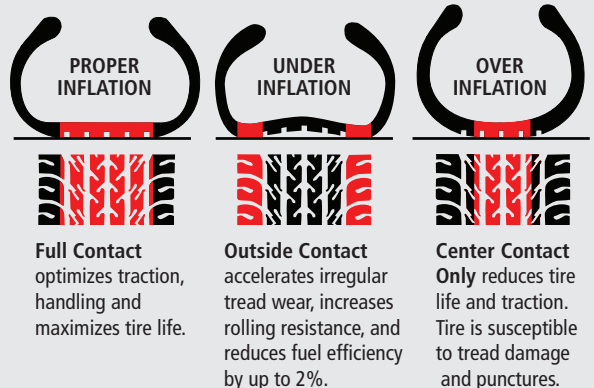
Optional Tire Pilot™ Plus not only controls pressure through inflation, but also maintains equal pressure across all wheels and features high pressure relief for overinflated tires. The robust design sets it apart from competitive designs with durable components.

- 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



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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