

P89

TM

SAF ●

P89 AIR DISC BRAKES

PROVEN AIR DISC BRAKE TECHNOLOGY THAT
DELIVERS RELIABILITY AND REDUCED MAINTENANCE
FOR MAXIMUM UPTIME

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

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



CBX23u
CBX25u
CBX25/30y



ULX40



CBX40 AeroBeam
CBX40/CBX46/CBX50



CBX69

**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 spindle design with large 89mm inner and outer wheel bearings for enhanced performance, reliability and unmatched durability.

Taper spindle design also available



**SAF SBS 2220-K0
dual piston caliper design**

increased braking performance and pad life with larger brake pads and more even pad wear when compared to a single piston design.

Dual sealed slide pins

sealed slide pins simplify maintenance requirements by eliminating the need for lubrication.

Premium brake chamber

all steel design with full immersion e-coating of housing and internal components for long life corrosion protection.

Semi-metallic disc brake pads

20% larger pad design provides the optimum balance of stopping power and long wear life to extend service intervals.

**Premium Axle
spindle nut**

provides safer service and easier installation with a single-piece nut system utilizing a specialized locking system that prevents inadvertent back-offs when engaged and easily disengaged for simple removal.

**SAF P89 AIR DISC BRAKE
INCLUDES ALL THE
PERFORMANCE BENEFITS
AT A PRICE POINT THAT
MAKES SENSE FOR ALL
COMMERCIAL FLEETS.**



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 PLUS**

P89 Plus disc brake's advanced design features a bi-metallic rotor/hub assembly and robust parallel spindles with maintenance free sealed bearings.

(See document XL-SA20020SL-en-US for more details).



OPTIONAL ENHANCED TIRE PRESSURE MANAGEMENT SYSTEM

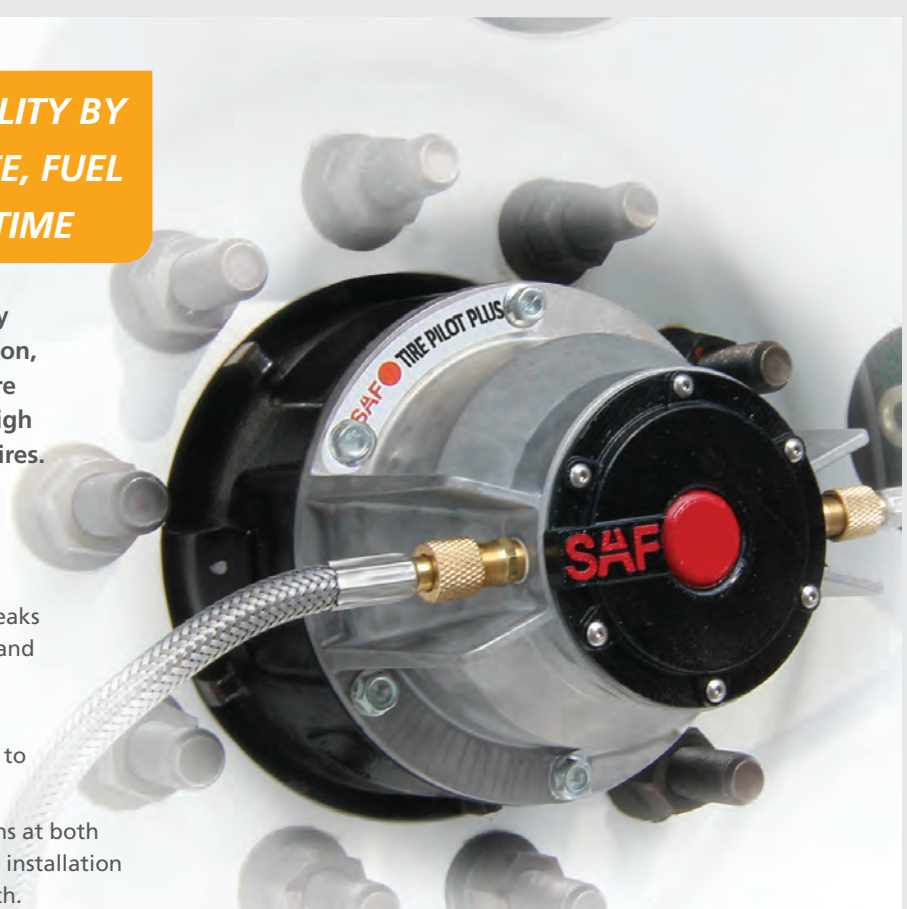


Tire Pilot Plus by PressureGuard
A Division of SAF-HOLLAND

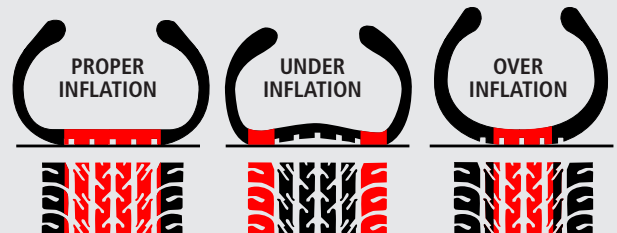
**IMPROVE PROFITABILITY BY
ENHANCING TIRE LIFE, FUEL
EFFICIENCY AND UPTIME**

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*.



Proper Air Pressure is Critical to Tire Life



Full Contact
optimizes traction,
handling and
maximizes tire life.

Outside Contact
accelerates irregular
tread wear, increases
rolling resistance, and
reduces fuel efficiency
by up to 2%.

Center Contact
Only reduces tire
life and traction.
Tire is susceptible
to tread damage
and punctures.

* 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.

SAF Holland Group



TRAILER AXLES AND
SUSPENSION SYSTEMS



COUPLING AND
LIFTING SYSTEMS



SUSPENSIONS FOR
TRUCKS AND BUSES



SUSPENSIONS AND
AXLE SYSTEMS



BUS AIR SUSPENSION
SYSTEMS



V. ORLANDI
TOWING
SYSTEMS



TRAILER AXLES/SUSPENSIONS,
COUPLING AND LIFTING
SYSTEMS

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