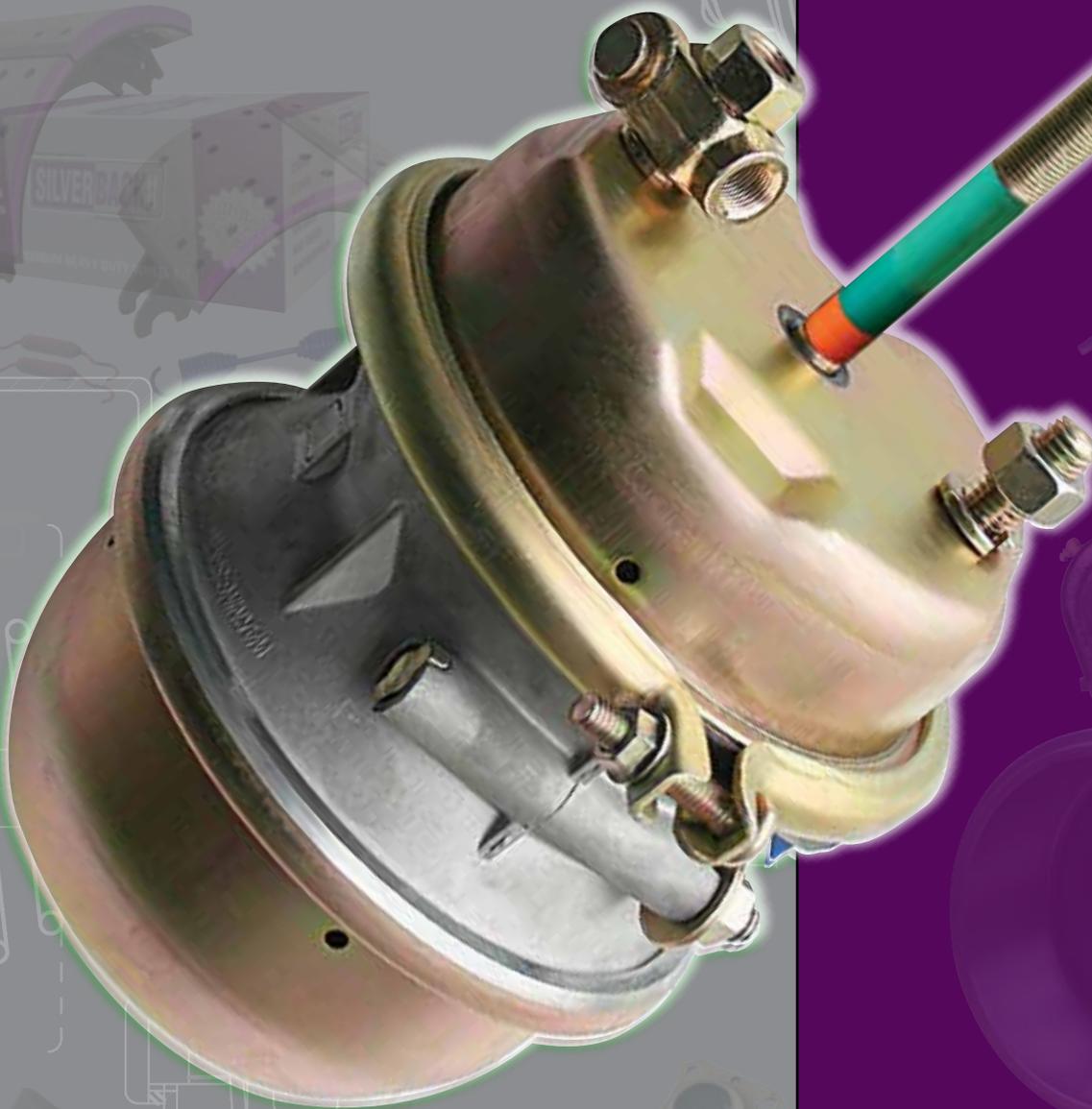


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# **GeoMetric<sup>®</sup> Series Air Chambers and Accessories**

- **Service Chambers**
- **Piggyback Kits**
- **Combo Units**
- **Diaphragms**

## Unibody Construction Designed To Last Longer Reinforced Welds Reduce Leaks, Improve Performance

Unlike older style chambers that have double clamps, **SILVERBACK** GeoMetric® Series air chambers are made with a unibody construction that eliminates the bottom clamp for the emergency chamber.

This seals the chamber better, reduces potential air leaks and eliminates the potential of catastrophic accidents during service.



Non-reinforced chambers will disfigure under high pressure compounding and eventually compromise the pan integrity, causing "pull through" and ruining the unit.

**SILVERBACK** GeoMetric® Series chambers are welded and reinforced to withstand up to 3,000 psi of pressure caused during brake compounding. All bolts are heat treated to a Grade 8 rating for longer durability. Non-OE chambers are not reinforced and result in compounding pull through.

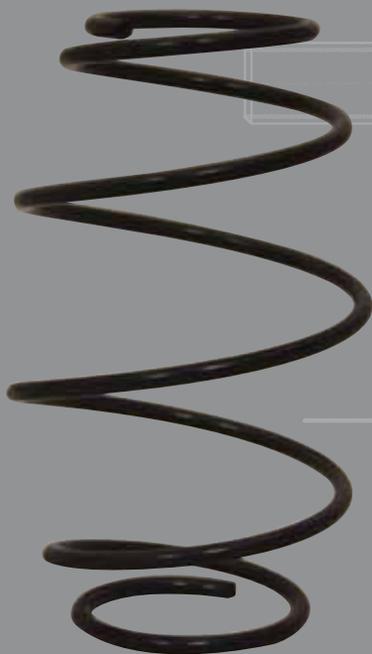


## Di-Helical Coated Springs For Proper Tension

Non-OE-grade chambers use uncoated springs that are susceptible to rust and quickly lose their tension and tensile strength.

**SILVERBACK** coats its springs to resist corrosion and promote longer life.

**SILVERBACK** also uses di-helical shaped springs for greater push rod stability.



## Color Coded Push Rod For Visual Inspection

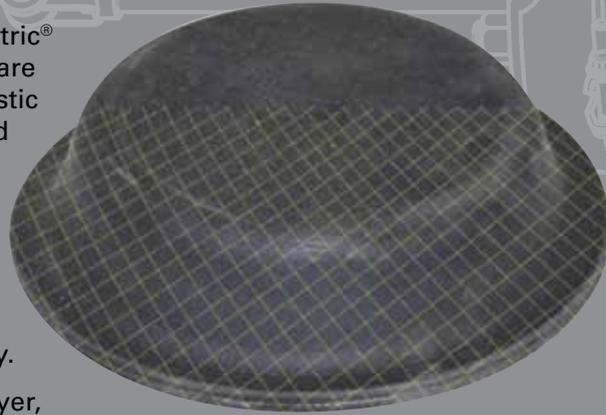
**SILVERBACK** GeoMetric® Series air chambers come with color-coded push rods to aid drivers and inspectors conducting visual inspections of the chamber. A 1.75" green label indicates proper clearance. (Long stroke indicators also available.)

# GeoMetric Series<sup>®</sup> Air Chamber

## Web Reinforced Diaphragm Reduces Maintenance

**SILVERBACK** GeoMetric<sup>®</sup> Series air chambers are built with thermoplastic resin (TPR) simulated rubber diaphragms for resistance to salt, petroleum byproducts and acid washes. This results in longer life and greater dependability.

A stitched, double layer, laminated construction includes nylon web reinforcement.\* This ensures that the diaphragm will withstand the constant demands of the service brake without puncture or premature fatigue.



\*Graphic of web reinforcement is for illustration purposes only. Actual components may differ.

## Compression Stressed Plungers Ensure Chamber Stability

**SILVERBACK** GeoMetric<sup>®</sup> Series uses compression plungers to ensure that the plungers don't loosen during operation. Screw-type plungers can loosen and the screw can puncture the diaphragm.



## Sealed Caging Area

Sealed caging hole prevents contamination of the emergency chamber from road sediments.



- **Uni-body construction eliminates hazardous double clamps for tamper proof design.**
- **Zinc-dichromate plated for corrosion resistance.**
- **Reinforced welds provide up to 3,000 psi of reinforcement.**
- **Color coded push rod for visual inspection.**
- **1,000,000 cycle tested web-reinforced TPR diaphragm.**
- **Coated, stabilized di-helical springs.**
- **Compression stressed plungers ensure longer life.**
- **Sealed caging area prevents road sediment contamination.**

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*Because Brake Geometry is Important...  
...SILVERBACK GeoMetric® is Vital*

SILVERBACK PART #	DESCRIPTION
2424SB	Combo Spring Brake
2430SB	Combo Spring Brake
3030SB	Combo Spring Brake
3030SBLS	Combo Spring Brake Long Stroke
2424PBK	2424 Piggyback Kit
2430PBK	2430 Piggyback Kit
3030PBK	3030 Piggyback Kit
3030PBKLS	3030 Piggyback Kit Long Stroke
09SC	Type 9 Service Chamber
12SC	Type 12 Service Chamber
16SC	Type 16 Service Chamber
20SC	Type 20 Service Chamber
24SC	Type 24 Service Chamber
30SC	Type 30 Service Chamber
3030RB	Release Bolt Assembly
30CLW	Wide U Clamp
30D	Type 30 Service Diaphragm
5850CV	Clevis Assembly 5/8" Rod x 1/2" Pin
5858CV	Clevis Assembly 5/8" Rod x 5/8" Pin
50CP	Clevis Pin 1/2" x 1 3/4" Long
58CP	Clevis Pin 5/8"
SBECPL	End Plug with Tether



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