

Improved spring brake technology





Haldex brake actuators for every application and air braking system.

Haldex Blue Seal Double Diaphragm Spring Brake actuator for Air Disc braked trailer applications

The double diaphragm design reduces cost and weight with exceptional performance.

Designed, tested and guaranteed for durability and extended life with the Haldex Air Disc Brake System.

Two Styles: Complete, Piggyback



Haldex Blue Seal Double Diaphragm Spring Brake actuator for S-Cam braked trailer applications

The first choice for OEMs and Fleets for easy fit-up, extended life and a lower total cost of ownership. A full range of S-Cam Service Chambers are also available.

Two Styles: Complete, Piggyback



For over 80 years, Haldex technology has been bringing loads to a stop all over the world. Today, every Haldex braking solution – whether it's a single part or a complete, custom-engineered system – carries with it the lessons we've learned through decades of experience and billions of miles.

Haldex Blue Seal S-Cam Brake actuator represents the leading edge in brake technology, design and engineering in the world today.

Haldex is the leading supplier of double diaphragm spring brake actuators throughout Europe and has been since the early 1970s.

The innovation, quality and dependability that have defined double diaphragm spring brake technology in Europe is now available directly from Haldex in the form of the Haldex Blue Seal air brake actuator product line.

Haldex developed the first double diaphragm spring brake in the world, and pioneered that technology in Europe.

Haldex Firsts

- First double diaphragm spring brake in the world that provided a cost-effective alternative to unreliable cable brakes on semi-trailers
- First low temperature diaphragm for reliable operation in the most extreme temperatures
- First caging tool stored in a pocket on every double diaphragm spring brake for ease of brake maintenance
- First guided spring side diaphragm to keep the spring centred for reduced coil clash and longer service life
- First spring brake sealed for safety
- First to use electrical resistance to individually heat treat every power spring for unsurpassed quality and performance.

Additional Haldex Features

- Proven double o-ring centre seal with wear resistant nylon bearings for years of leak-free operation
- galvanised return springs for corrosion resistance
- Seven-stage spring treatment with zinc phosphate under electrostatic epoxy powder coating for maximum spring life.

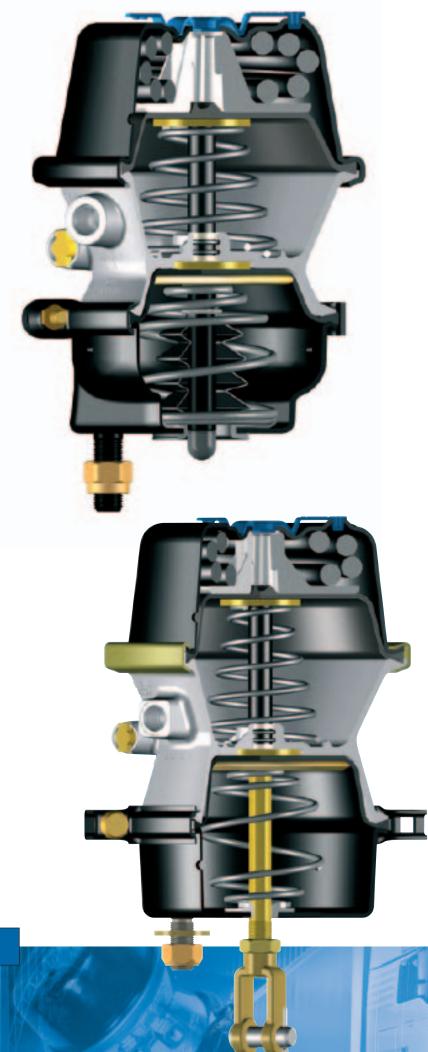


Haldex Blue Seal for S-Cam and Air Disc Trailer Brake Applications

The advanced double diaphragm actuator technology of Haldex delivers long-lasting durability and performance reliability for outstanding value mile after trouble-free mile. Identified by its blue plug, the new Haldex Blue Seal for S-Cam is the first choice of OEMs and Fleets. And, like all Haldex actuators, it is engineered tough, built tough and tested tough. Haldex is leading the way in technology today and into the future by focusing on features that exceed your expectations.

- Designed with a special heat-treated power spring to produce a maximum output force and extended life – Epoxy powder coating for corrosion protection
- The galvanised wire return springs are designed and wound in-house to surpass even our toughest tests
- Lightweight aluminum pressure plate and centre section offer excellent corrosion resistance
- Twice as effective, the double o-ring centre seal and unique wear rings extend service life and protect against air leakage between chambers
- A tamper resistant cold rolled band seal or an integral-rolled seal permanently attaches the emergency chamber to the aluminum centre body to prevent inadvertent disassembly
- Epoxy coated or zinc plated. service push rod for added corrosion protection
- Grade 8 ACME threads caging tool makes actuator caging quick, convenient and easy
- TüV Certified Haldex double diaphragm spring brake products are certified according to ECE R13, Annex 19, Appendix 1. Certification testing and reporting are provided by RWTüV Fahrzeug GmbH. All product testing is conducted according to SAE J1469 and DIN 74060 part 10; other technical and/or performance requirements are according to DIN 74060 part 3.

HALDEX BLUE SEAL ACTUATORS





Our Mission

To develop products and support packages that meet specific customer requirements. Our flexibility and competitive lead times make us the market leader in Automatic Brake Adjustment, ABS, air braking and suspension control.

Total Support

A uniquely wide range of services is available from Haldex. These include expert consultancy for braking and suspension development, brake calculations, type approvals and application engineering. The aim is accurate specification for manufacturers and low cost of ownership for the operator.

Full aftermarket support includes a Europe-wide parts distribution network, ensuring rapid despatch and delivery. Other support services include on-line technical advice, field visits and installation/maintenance training held on-site or at Haldex facilities.

Research and Development

Continual, heavy investment in R&D is carried out using test facilities in England and Sweden in response to ever increasing commercial, legislative, environmental, performance and technological demands.

Quality and Production Standards

The very latest production technology ensures the highest quality standards at all Haldex Product Centres are QS 9000 approved.



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Haldex is an innovator in vehicle technology supplying proprietary systems and components for trucks, cars and industrial vehicles, worldwide.

With 4,100 employees and yearly sales exceeding 6 billion Swedish Kronor, Haldex is listed on the Stockholm Stock Exchange. (www.haldex.com)

www.brake-eu.haldex.com