



PRODUCT PROFILE:

GAS SPRINGS

KEY FACTORS FOR OEM MANUFACTURERS IN SELECTING GAS SPRINGS

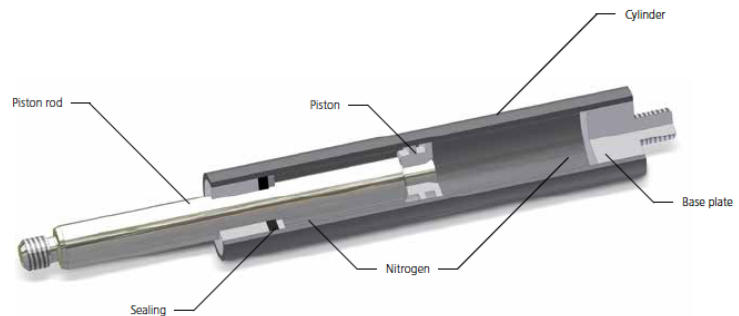


WORLDWIDE ACCESS EXPERTS

Allegis is the world expert in supplying access hardware that secures and protects enclosures for vehicles, heavy equipment, HVAC, telecommunications and electrical cabinets, power generation and more. No one knows more about how to combine all of the right components — handles, latches, hinges, gaskets and gas springs — to increase productivity, enhance ease of access, and reduce manufacturing and maintenance costs. Based in the the U.S., Allegis works with organizations worldwide, from start-ups to Fortune 100 manufacturers to help them make their products better.

GAS SPRING EXPERTISE

We bring a wholistic approach to access engineering. We work closely with manufacturers to see the entire picture – how a gas spring(s) works with other access components to deliver a higher quality product. We develop relationships with high quality gas spring suppliers whom we trust to deliver solutions that help manufacturers create a better product experience.



WIDE RANGE OF GAS SPRINGS

Through our gas springs, struts and dampers supplier partnerships, Allegis offers a wide range of gas springs to meet the demanding needs of manufacturers.

- Hydraulic compression and extension dampening
- Dynamic compression and extension dampening
- Decreasing or progressing spring function
- Infinitely variable holding
- Gas and oil
- Holding range
- Stop in the compressed position
- End-position stop in the extended position
- Rigid locking
- Override function
- Flat spring characteristic curve
- Actuation systems
- Low damping forces

We can provide gas springs of nearly any length and configuration to handle nearly every load size.





APPLYING OUR INDUSTRY EXPERTISE

For 50 years, Allegis engineers have been serving manufacturers in more than a dozen industries where gaining access (to a cab, an engine, storage compartment, etc.) is absolutely critical. Based on our experience, we understand exactly what manufacturers face in designing a product for their customers. We specialize in the following industries:

- HVAC
- Construction
- Agriculture
- Enclosures
- Electrical Enclosures
- Telecommunications Enclosures
- Power Generation
- Kiosks and Carts
- Transportation (Trucks, buses, RVs)
- Refrigeration
- Powersports (snowmobiles, boats, ATVs, motorcycles, etc.)
- Automotive

FACTORS IN SELECTING THE RIGHT GAS SPRING

Whether you're designing a door to open/close a piece of heavy equipment or you're building a cabinet for data storage or medical equipment, how that gas spring interacts with the rest of the product, including its latches and hinges, to deliver the most satisfying and productive experience is what matters. Consider these key factors:

- Pounds of force needed to open or close the door/panel/enclosure
- Amount of clearance/height
- Space available to mount a gas spring
- Speed at which the door/panel/enclosure will open/close
- Environment in which the product will be used (extreme cold/heat; moisture, wind, corrosion from salt water or salt put on roads to melt ice)

Allegis application engineers work closely with a manufacturer's design engineers to develop options and run computerized simulations to determine the best gas spring.

CUSTOM DESIGNED GAS SPRINGS

If a standard, off-the-shelf gas spring will not meet your need, Allegis has the expertise and capability to design, prototype and manufacture a custom solution to meet your needs.

CREATING A BETTER END PRODUCT

Ready to begin your next project? For answers about gas springs and other access components, contact Allegis. Let our application engineers help your organization think through options that will drive more value and a better product experience for the end-user.

CALL US AT 866.378.7550

VISIT ALLEGISCORP.COM

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