



ContiTech Sleeve Air Springs: Superior performance you can feel.



Sleeve Air Springs made by ContiTech Air Spring Systems.

Technology that exceeds customer expectations.

Wherever demands are at their toughest, experience is the foundation of quality and progress. This is precisely the reason why ContiTech Air Spring Systems has been shaping and advancing the world's air suspension market for more than sixty years. Utilizing Continentals expertise, ContiTech has 130 years of rubber and plastics under its belt. We maintain the highest quality standards while driving developments and striving for innovation. Our results bear an unmistakable signature as we focus on our customers' needs while delivering specific solutions that ensure the highest levels of satisfaction - today and tomorrow.

When comfort becomes a personal matter.

Industry leading engineering and the right products for specific applications in all commercial and off-highway vehicles, these are things which our customers can and should expect from

ContiTech. Our sleeve air springs and air spring damper modules offer the maximum level of quality, reliability and sustainability. These properties are becoming steadily more important in increasingly tough operating conditions, and will minimize increasing stress levels comfortably - day after day. Users can feel it - and so can the environment.

Top technology found in every industry.

ContiTech improves the driver's workspace for any vehicle. Be it a commercial truck, motorhome, fork-lift, tractor, or a pick-up - our air spring systems will greatly minimize and prevent fatigue through maintaining optimal comfort levels for the driver. ContiTech's aim is the same in every situation: to engineer and design the driver's work place resulting in the most ergonomic and comfortable solution specific to our customers, their industries and areas of unique application.

VEHICLE / APPLICATION	CABS	SEATS	AXLES	SPECIAL APPLICATIONS
Trucks	●	●		
Off-highway vehicles	●	●		●
Light commercial vehicles, motorhomes			●	●
Buses		●		●
Trailers				●

Top technological performance, a collaborative customer approach and sustainable, ecofriendly products - combined we call this:

»» ENGINEERING NEXT LEVEL



Air springs that you can recognize immediately.

Especially when in use.



Sleeve air springs for axle suspension

People who work on or off the highway today have a right to demand comfort. To achieve this, ContiTech employs core competence to the fullest: intelligently developed air springs whose high-tech properties make them top-performers in real-life use.

Our sleeve air springs offer our customers not only numerous ways of being used, but also lots of benefits:

- >>> Proven excellence in spring behavior.
- >>> The utmost system performance through interaction between high-quality components.
- >>> Application-specific, precisely defined characteristics.
- >>> Able to withstand the highest demands of temperature.
- >>> Low, load-independent natural frequencies.

The result: ultimate comfort combined with maximum lifetime and safety.

The ContiTech sleeve air springs: a high standard spring element.

The integrated sleeve air spring, is notably better than conventional steel spring structures, especially when it comes to driver comfort and safety. It is used in axle, cab and driver's seat suspension.

Our technology offers a much lower natural frequency as well as individually adjustable stroke height and spring travel. Our solutions to specific applications are precision-engineered and extremely reliable.

Our air spring damper modules combine the features of air springs and air dampers, giving them numerous benefits:

- >>> Even more comfort when driving, through frequency-selective damping.
- >>> The level of damping is automatically adjusted to changes of weight.
- >>> More environmentally friendly because they do not use damper oil.
- >>> Ideal suspension and damping effect because they utilize air.



Sleeve air springs for cab suspension



Sleeve air springs for seat suspension

Where mobility is an art-form.

And individual solutions are part of the performance.

We develop products that perform everywhere. They enable our customers to meet the increasing demands of the vehicle industry, legal standards and their own expectations - now and in the future. Our development expertise, innovative technologies and precisely tailored solutions permit us to offer global series quality for a vast array of industries. We constantly partner with our customers to create custom solutions for individual applications, to which we contribute our experience.

Maximum safety and comfort.

For our customers, driver comfort is a definite benefit. We employ decades of product and manufacturing experience and our expertise in on-road and off-road applications in order to

achieve clearly noticeable benefits to the driver. That means drivers can safely rely on one thing at all times: the best possible control of their vehicles.

From development to start of production.

We have developed proprietary development tools for analysis and product design. We operate a high-tech testing center to ensure that products enter production in compliance with customer and industry specifications. That's how our solutions ensure extra safety and comfort you can feel.

In practice, our air spring solutions are used in the following application areas:

Axle suspension



Cab suspension



Seat suspension



Performance in motion.

Quality that performs under extreme conditions.

Everything that leaves our factory strives to shape the future of technology - including extreme temperature environments. That's what we demand of the quality of our products. This would be impossible without the expertise of ContiTech engineers who take the much more stringent demands on the durability of vehicle components seriously, even under the toughest operating conditions.

The collaboration of our air spring designs, material development, manufacturing processes and our chemists' recipes, is tailored perfectly to specific requirements. As a result, you can rely on our products whenever the air spring is exposed to extreme heat, e.g. near to the engine compartment, and when outside temperatures plummet. That even includes the specific conditions of the freezing Arctic and the glowing desert.

Consistently high quality - degree by degree.

What characterizes and distinguishes our air springs is the collaboration of our engineering teams. Due to the high standards of our reinforcing materials, rubber compounds and raw material mixtures, our products can withstand enormous temperature fluctuations. We constantly develop and safeguard these quality standards worldwide by employing globally uniform production processes and identical raw materials. Our customers can feel the results on a daily basis - even under extreme conditions.

Exceeding expectations and setting new standards - this we call:

> PERFORMANCE NEXT LEVEL





Limitless proximity.

With one goal:
To partner with our customers.

Wherever our solutions and products are required, we aren't just available - we're there on site acting as advisory development partners, pioneering problem-solvers, dependable suppliers - and of course, competent co-thinkers.

Because success requires a firm partner.

The best results are often only achieved working with someone you can talk to directly: a partner who knows specifications down to the last detail and who can meet requirements with care and quality. That is exactly what we offer - worldwide.

To us, being at our customer's side everywhere means producing where the need arises. And it means providing the right experts and a reliable service that fulfills every need: from supplying on location services all the way to just-in-time delivery. That way we can ensure that solutions and products are reliably available, providing our customers with the utmost in planning security.

Thinking globally, acting competently.

Close international coordination and the use of efficient communication methods aren't just a matter of logic, they are a matter of course. They help our experts from different fields and industries be on site without delay - everywhere and at any time.

Our understanding of reliability is an important prerequisite for the kind of alliance that is genuinely collaborative, since it is the only way we are able to provide our customers with a complete, comprehensive package: starting from the idea, continuing through series production and onwards to the punctual delivery of solutions and products.

Limitless proximity and always being at our customer's side - that is what we call:

> AFFINITY NEXT LEVEL



Contact Locator

Find a point of contact worldwide with our Contact Locator:



Firmly on the road of responsibility.

With the ergonomics to match.

Our duty to our customers is to create better mobility conditions and guarantee ergonomics in workplaces where limits are often stretched. This is an aim we achieve with pioneering products and by conscientiously handling resources - it's our responsibility and our promise.

Our aim: protect drivers - and the environment.

Sleeve air springs and air spring damper modules made by ContiTech Air Spring Systems are designed and built in such a way that their ergonomic advantages provide convincing arguments for their use:

- »» They reduce fatigue and harm to the health of drivers.
- »» They improve handling and vehicle operation.
- »» They provide safety that drivers can rely upon.

When we manufacture our products we use raw materials that are as ecofriendly as possible, utilizing efficient processes to make air spring solutions and systems that protect the environment for future generations:

- »» Enduring products help vehicles last longer.
- »» As a globally active company we fulfill internationally recognized standards.
- »» Our special environmental KPIs help us improve the energy used, CO₂ emissions and quantities of waste.

And that benefits not only our customers but also the environment.

When duty becomes responsibility for people and the environment - we call it:

» RESPONSIBILITY NEXT LEVEL



ContiTech

Air Spring Systems

Contact

ContiTech Luftfedersysteme GmbH
Philipsbornstr. 1
30165 Hannover, Germany

SRB@as.contitech.de
www.contitech.de

airsprings@contitech-usa.com
www.contitech.us

Please feel free to contact our local contacts
around the globe for further assistance.
www.contitech.de/contactlocator



ContiTech. Smart Solutions Beyond Rubber

ContiTech is part of the international technology corporation Continental and enjoys a global reputation as a materials specialist and development partner with innovative products and intelligent systems that make use of rubber, plastic and combinations of materials such as metals, fabric, textiles, glass and electronic components. ContiTech operates in almost all sectors of industry. Drawing on our extensive development and materials expertise, we combine our products and systems with customized services. We partner with our customers to create added value and help make the social trends of tomorrow into a reality today.