



LANDING GEAR SERIES



FOR MORE THAN 70 YEARS,

Taylor Devices, Inc. has been at the forefront of motion control innovation. Building on founder Paul Taylor's groundbreaking liquid spring patents, the company has pioneered advanced shock and vibration control technologies for the world's most demanding applications.

Unlike conventional landing gear systems that can suffer from performance degradation over time, Taylor Devices' latest landing gear shock absorber designs overcome these challenges through advanced engineering, proven design methodologies, and rigorous manufacturing process control.

Taylor Devices designs and manufactures custom-engineered shock absorbers and spring assemblies for UAVs, eVTOLs, and other small aircraft. Built to meet the industry's demanding environmental, performance, and precision requirements, our landing gear solutions deliver the reliability, durability, and customization today's aircraft manufacturers expect.





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MAIN & NOSE LANDING GEAR

Taylor Devices is uniquely positioned to support landing gear needs of both the Commercial and Military Aircraft markets. We have developed a portfolio of hundreds of high performing shock absorbers designs that can be leveraged to provide quick response to a customer's specific landing gear needs. We also have the ability to incorporate additional auxiliary hardware into our landing gear systems including steering actuators, weight-on-wheels sensors, jack interfaces, and other subsystems.

FUTURE INNOVATION

Beyond innovative and elegant hardware, Taylor Devices' possesses industry leading engineering design and analysis capabilities with a deep understanding of how to optimize landing gear designs, reduce weight, and improve dynamic performance, to offer the best overall value for our customers. We continue to explore energy dissipation technology that can be used in landing gear including air-oil shock absorbers (OLEO), new elastomers, and liquid springs to meet the evolving needs of the aerospace industry.



KEY FEATURES

- Superior performance, reliability and safety compared to high-pressure gas systems
- Reduced cost compared to conventional landing gear systems
- Improved resistance to enemy fire with non-pressurized designs
- Wide operating temperature performance range
- ZERO maintenance, zero recharge, zero downtime
- Concept utilized in many fully qualified designs
- Configurable for use in free-to-caster/active steered applications
- Unlimited interfacing options to allow for seamless integration into your design
- Our team of engineers will work with you to customize the landing gear to meet your desired needs

WHO WE ARE

ESTABLISHED
1955

Taylor Devices has extensive prior experience with landing and arresting gear components, and has products that date back to 1955 on the Vought F-8 Crusader.



Our new development lab is separate from normal production, enabling rapid prototyping and taking products from concept to field in months, not years.



We offer a full staff of engineers to provide detail design, static and dynamic analysis, and system integration of a product that meets your exacting requirements.



Our facilities and Business Management Systems are registered to the current versions of ISO 9001, ISO 14001, and AS9100.

EXPERIENCE

MQ-1 Gray Eagle

MQ-9 Predator

MQ-20 Avenger

eVTOLS

Loyal Wingman UAVs

Confidential Platforms