



EXOTIC

AUTOMATION & SUPPLY

ACE CONTROLS SOLUTIONS FOR THE DEFENSE MARKET

ACE Controls is the market leader for industrial shock absorbers, gas springs, hydraulic dampers, safety shock absorbers and innovative solutions in damping technology and vibration isolation. Count on ACE to help to make your production processes faster, more efficient, quieter, safer and more sustainable.



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SHOCK ABSORBERS



- Miniature Shock Absorbers
- Industrial Shock Absorbers
- Heavy Industrial Shock Absorbers

ACE shock absorbers work hard. Their application means moving loads are evenly decelerated over the full stroke. The result: the lowest braking force and shortest braking time.

GAS SPRINGS



- Push-Type Industrial Gas Springs
- Pull-Type Industrial Gas Springs

Need to lift or lower loads with control and without excessive strength? Industrial gas springs from ACE offer maintenance-free and ready-to-install elements support sheer muscle power, reliably open and hold.

HYDRAULIC DAMPERS

ACE hydraulic dampers are adjusted in the end position and work differently to the DVC family with individual speed adjusters for the push and pull direction, providing users with the maximum flexibility.

- Profile Dampers
- Damping Pads
- Hydraulic Dampers
- Rotary Dampers



APPLICATIONS

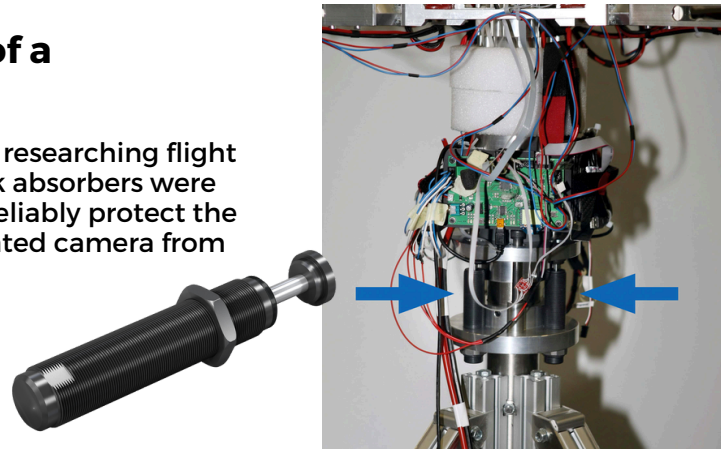


ACE safety shock absorbers protect precision components in the aircraft industry

The basic mount of this coordinate measuring machine for the production of parts in the aircraft industry is made of granite and must not be damaged. To avoid damage from operating errors or mishandling, all movement axes were equipped with safety shock absorbers of ACE's product family SCS33 to SCS64. If the turntables malfunction the safety shock absorbers decelerate the loads before expensive damage can occur to the granite measuring tables.

Protection of sensitive components of a quadcopter in case of a fall

In order to avoid costly repairs and associated downtime when researching flight characteristics, the self-adjusting ACE SC650 miniature shock absorbers were installed on both the top and bottom of the helicopter. These reliably protect the batteries, three-phase drives, sensors and an optionally integrated camera from damage in case of a crash.



ACE ONLINE TOOLS

From Shock Absorber & Gas Spring Sizing to Vibration Control Measurements, visit ACE's website to access the tools you need.



The fastest way to the perfect shock absorber
ACE calculation Service & Tools

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Direction of movement

- Horizontal
- Vertical
- Incline
- Rotation
- Crane Application

Mass without propelling force

Mass with motor drive

Mass with propelling force

Mass on driven rollers

NEED ASSISTANCE?



We're here to help!
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