

## FIRESTONE: Air Springs & Marsh Mellow

# Firestone

## AIRIDE

Air springs are highly engineered elastomeric bellows with specially designed metal end closures. The bellow itself is constructed from plies of cord-reinforced rubber. Special versions can handle loads up to 450 KN and can be designed into systems to utilize up to 355 mm stroke.

The standard Air Spring will operate in Temperatures from -37°C to 60°C, special compounds are available that operate from -54 to 60°C or from -18 to 124°C.



### AIRSTROKE ACTUATORS :

are used primarily in place of pneumatic or hydraulic cylinders.

### AIRMOUNT ISOLATORS:

are used as vibration isolator on many different types of equipment.

### AIR SPRINGS:

Due to the unique capabilities of Air Springs products, many applications are in use where the product is used for both ACTUATION and VIBRATION ISOLATION.

**Airstroke™** actuators are used as a short stroke, high force, single acting pneumatic actuator. Its unique capabilities make it ideal for friction free, leak free, flexible force applications.

**Airmount™** isolators are used to support and isolate external vibrations, or support a vibrating load and prevent its energy from disturbing the surroundings. System natural frequencies as low as 1 Hz can be accomplished.

Applications: Presses, Stamping, Conveyors, Clamping, Paper and textile balancers. Shock & Vibration test equipment, insulators for Motor and conveyors and many more.



**Marsh Mellow™ springs** are used like the Airmount™ isolator as vibration isolators. However, they do not require air inflation. While not as efficient as air springs, Marsh Mellow™ springs are an effective passive isolator with superior characteristics to steel springs.

Marsh Mellow™ springs cannot break, trap particles, corrode or bottom-out. Each spring features a bias-ply fabric wrap for dependability and uniform performance.

The variable rate/constant frequency of the spring allows each spring size to accommodate a wide load range and perform consistency, whatever the load.

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