

Firestone
World's Number 1
Air Spring.

www.firestoneip.com/actuators-isolators



is the leading producer of sophisticated rubber and fabric products for technologically advanced actuation, isolation and pick-and-place solutions for a broad range of industrial and non-vehicular applications.



BIBUS
SUPPORTING YOUR SUCCESS

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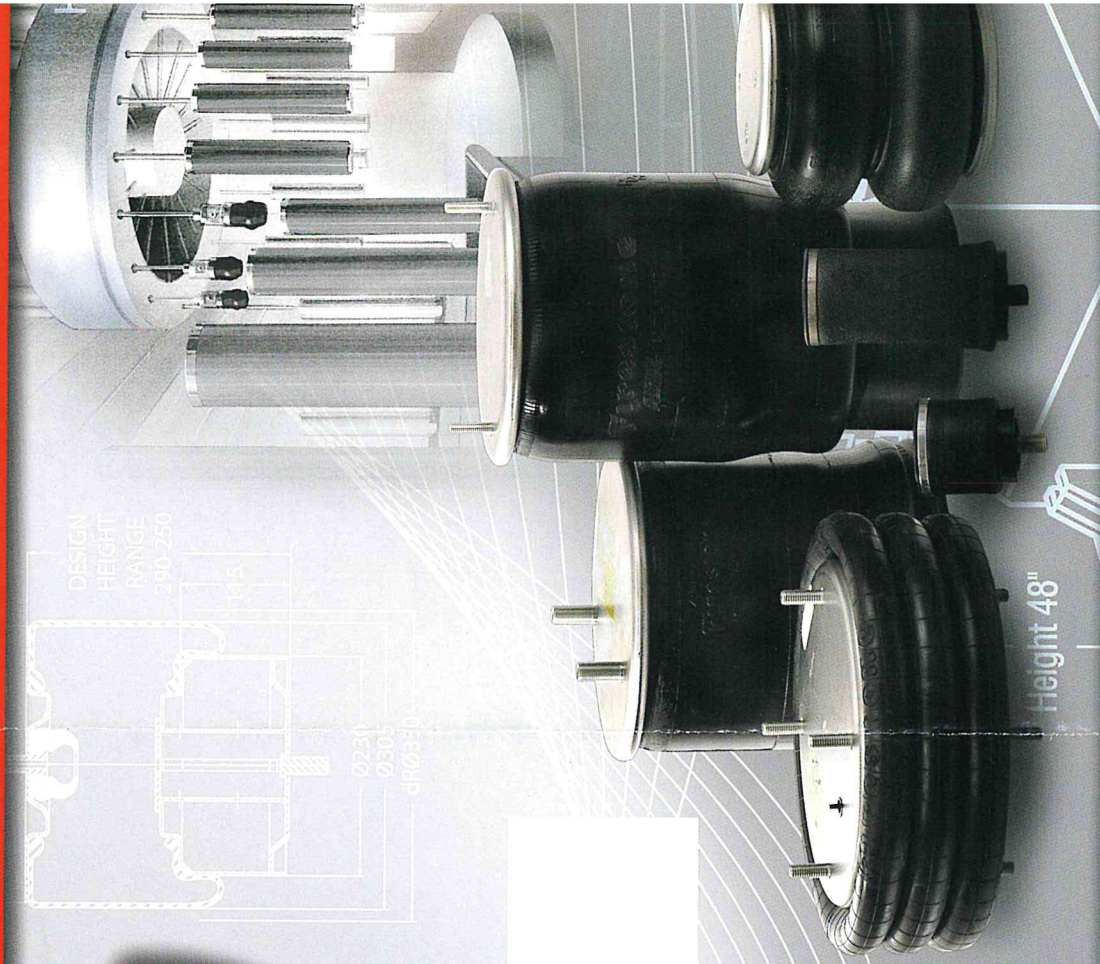
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Height 48"

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FIRESTONE INDUSTRIAL PRODUCTS COMPANY

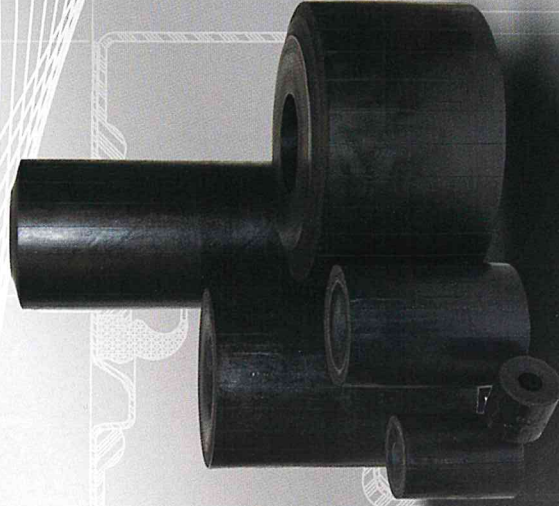
**PNEUMATIC GRIPPERS
•
VIBRATION ISOLATORS
•
ACTUATORS**



Airmount™ isolators are used to support and isolate delicate objects from external vibrations, or support a vibrating load and prevent its energy from disturbing the surroundings. Airmount isolators provide the highest degree of protection of any type of vibration isolator and can also reduce structurally transmitted noise. Firestone isolators are capable of isolating loads of 100-100,000 pounds per mounting point.



MarshMellow™ springs are a fabric reinforced rubber cylinder and are used like the Airmount™ isolators to protect systems from the effects of structurally transmitted vibration. However, they do not require air inflation. Marsh Mellow springs are an effective passive isolator with superior characteristics to steel springs. Rubber springs have long been a subject of interest in the vehicular suspension and industrial application fields because of their reliability, corrosion resistance, low cost and basic simplicity.



VIBRATION ISOLATORS

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AIRSTROKE™ ACTUATORS

Airstroke™ actuators perform the same type of actuation tasks as a hydraulic or pneumatic cylinder. They have long been used in the industrial market as pneumatic actuators and have been incorporated into a wide variety of machinery designs in a vast array of industries. The advantage of a flexible walled pneumatic actuator is that it is durable, operates well in dirty, corrosive and abrasive industrial environments, easily accepts angular and lateral misalignment and has a high ratio of stroke to collapsed height. Its unique capabilities make it ideal for friction free, leak free, flexible force applications.



AIRGRIPPER™ AIRPICKER™ END EFFECTORS

AirPicker™ and AirGripper™ end effectors offer the user a wide range of advantages over traditional pick and place work holding devices. Simply by varying the air pressure in the picker or gripper, the user can conform the end effectors to the shape and diameter that is being handled and the force being applied to the work piece. This is especially critical in applications with sensitive, thin-walled or fragile objects. AirPicker and AirGripper End-Effectors have an elastomeric bladder construction and will conform to any shape. Each picker and gripper can work with a wide range of diameters and work piece weights. Firestone offers a wide range of standard configurations and sizes of end-effectors to meet most industrial applications. Special units can be developed to meet specific application needs.



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