

# Spring Cylinder

Spring cylinders are a single acting cylinder than can operate as normally extended or normally retracted. They are used where a loss of pressure will need to have the cylinder move to a safe positon. Common applications are locking pin mechanisms, air, flue gas or liquid safety shut off applications.

## Design Considerations:

A spring can be designed into the housing of our standard hydraulic or pneumatic cylinder lines. The springs are designed to the specific “no-pressure” force application needs. Spring end coils are fitted to moveable guides to stop spring contact with barrel.

## Features

- Mounting alternatives include trunnion mount, foot and front flange mount with clevis, pin eyes or self aligning rod eyes.
- Maximum spring force and working loads documented.
- Hydrostatic testing reports and material test reports available on request



## Industry Examples

- Safety Equipment
- Reset Circuits
- Emergency Shut Down Systems
- Gate vales and flue gas dampers.

