

## Custom-Engineered Urethane Springs



Taylor Devices has developed custom-engineered urethane spring elements and spring assemblies to meet strict environmental and precise requirements. Any combination of spring rate, force, stroke, size, and cycle life requirement can be evaluated, designed and manufactured to tight tolerances to provide an optimized solution. Various features include special end-attachments, damping characteristics (if necessary), color options, durometer selection, environmental/chemical compatibility options, etc.

Conventional elastomeric mounts have been plagued by the effects of long-term creep, rate variability, manufacturing tolerances, durometer variations and aging to name just a few. These challenges have now been overcome by a number of proprietary developments by design and in the strict control of manufacturing processes.

These urethane spring elements are typically used for customized energy absorbers, vibration isolators, shock isolators, landing gear components and suspension systems.

These products have been recently tested through a non-operating temperature range of -123° F to +185°F and an operating temperature range of -65° F to +160° F.