

## SMART SOLUTIONS. BUILT TO PERFORM.



### Raymond® Die Springs

Raymond® Die Springs are a high-cycle and large deflection solution. They are made with premium materials that provide an improved fatigue life compared to traditional coil springs and offer optimal performance in high-stress applications. Springs are available in a plain finish or color-coded option for easy part identification on production lines.



### Raymond® Mechanical Struts

Raymond® Mechanical Struts provide a seal-less, gas-less, and oil-less robust solution for strut applications. Designed for longevity while maintaining consistent, repeatable loads in even the harshest environments, these struts are offered in a variety of configurations and materials to suit application needs.



### SPD™ Industrial Shock Absorbers

SPD™ Industrial Shock Absorbers decelerate mass over a short stroke and absorb excess energy from a moving system resulting in less wear and increased longevity. SPD™ Shock Absorbers are self-compensating, while IGS™ Shock Absorbers have an adjustable design. Available in imperial and metric thread series, as well as carbon and stainless-steel materials.



### SPEC® Mechanical Wire Springs

Known for providing the largest selection of wire springs for industrial applications, SPEC® Mechanical Wire Springs are helical spring products in a variety of cross sections and forms. When comparing coil springs to flat or stamped springs, they offer increased travel but with lower loads.



### IGS™ and SPD™ Gas Springs and Struts

Gas Springs and Struts are engineered to deliver optimal performance in applications across various industries. Our broad offering is available with lifespans up to 125,000 cycles and capabilities to handle harsh environments. Not limited to the standard compression model, Gas Springs and Struts are available in traction, locking and reducible force configurations.



### SPD™ Hardware

SPD™ engineered hardware encompasses a variety of product groups including Drawer Slides, Hinges, Handles, Latches, and Locks. This product group makes a complete package when paired with struts for fabricators, especially the mounting brackets, ball studs, and end fittings. Hardware is offered in a multitude of materials and finishes.



### SPEC® Spring Washers

SPEC® offers a comprehensive range of Spring Washers and custom solutions for limited space or high force applications. DIN 2093, Belleville, Clover®Dome, curved, finger, and wave type springs are offered in a variety of materials and finishes. Spring Washers can be used individually or for some categories as a set or stack, allowing for an infinite number of force-deflection curves.



### IGS™ and SPD™ Linear Dampers

Dampers are a motion control device that minimizes acceleration in counterbalance applications by regulating how fast an object moves. Available in compression, extension, and dual-direction configurations, Dampers can be used in a multitude of applications beyond lids, doors, and covers. They provide no lift assistance, only speed control.



### SPEC® Specialty Springs

SPEC® Specialty Springs are offered in various configurations. Composite Springs provide a solution where corrosion, vibration, and/or magnetism prevent the use of metallic materials. Available for a variety of industrial applications, Garter Springs maintain lip seal pressure on a shaft while Constant Force Springs provide a counterbalance for a product because of their near constant rate of tension.