

SPIROL's Engineers can assist in identifying the best standard Precision Machined Nut to meet the specific application performance requirements. SPIROL can also produce special variations of our standard lines of Machined Nuts. If a unique special Machined Nut is required, SPIROL will design and produce the special for either low or high volume applications.

Examples of special offerings include:

Special Sizes

SPIROL's standard line of Precision Machined Nuts can be easily altered to include metric sizes, specially designed non-standard threads, and non-standard thread pitch configurations. Other special variations include Hexagon Coupling Nuts, Tamperproof Nuts, Bolt Nuts, Railroad Nuts, Lamp and Lighting Parts, Pipe Couplings, Compression Nuts, and more. Should your requirement call for round, hex, square or other external configuration, oversized threads for plating, finely controlled internal diameters or even special machined features, SPIROL can accommodate your request.

SPIROL specializes in the low-volume manufacture of specialty Machined Nuts up to .750" (19mm) in hexagonal and .812" (21mm) round configurations.

Special Threads

Precision Nuts can be machined with any inch or metric thread to ANSI H.28 or JIS standard, left or right-hand pipe threads, ANSI B1.1, ANSI B1.13M.

Special Materials

In addition to the standard brass, SPIROL's production technology enables us to produce Machined Nuts out of a variety of materials. The most common alternate materials are aluminum and 300 series austenitic stainless steel; however we also produce low volume Nuts out of 12L14 low carbon steel. Machined Nuts made from alternate materials are made to order in low volume.

Special Finishes

SPIROL can provide virtually any finish on Machined Nuts. Standard finishes are plain and bright nickel plated. Alternate finishes include passivated, black oxide, zinc plate, zinc plate with chromate (in clear, yellow, olive or black color), bright acid tin, and phosphate coated.

Special Surface Configuration

SPIROL can machine products with multiple diameters, grooves, knurls, threads, chamfers, heads, center holes, side holes, as well as those that are turned, shaved, broached, back drilled, and counterbored. In addition, Knurled Thumb Nuts can be provided with optional "face" knurls help lock the parts in place.



SPIROL®

Innovative fastening solutions.
Lower assembly costs.



Coiled Spring Pins



Slotted Spring Pins



Solid Pins



Compression Limiters



Ground Hollow Dowels



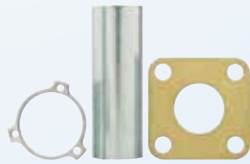
Dowel Bushings / Spring Dowels



Rolled Tubular Components



Inserts for Plastics



Spacers



Precision Washers



Precision Shims & Thin Metal Stampings



Installation Technology



Disc Springs



Parts Feeding Technology

Technical Centers

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Please refer to www.SPIROL.com for current specifications and standard product offerings.

SPIROL Application Engineers will review your application needs and work with you to recommend the optimum solution. One way to start the process is to visit our **Optimal Application Engineering** portal at **SPIROL.com**.