

Electronic Hardware & CNC Precision Turned Components



RAF Electronic Hardware is the nation's leading supplier of electronic hardware, threaded inserts for plastic, and high-volume screw machine products. Since 1975, RAF has offered a wide range of products in both American standard and metric dimensions for immediate delivery. RAF has also combined with Tri-Star Industries and now offers an extensive product line of threaded inserts for all types of plastic applications and can provide assistance with technical, application, and installation questions, as well as custom designs and insert testing.

Captive Panel Screws		
	 6 styles of captive panel screws; 7 swaged retainer types Brass, steel, stainless steel More than 40 metallic finishes Threads: 2-56 to 3/8-16. Lengths: 21/32" to 2" Head diameters: 5/16" to 3/4". Available as standard parts in American & Metric dimensions 	Our captive screws and retainers assure easy and secure assembly and are invaluable for equipment panels where mounting hardware is subject to loss. In addition to standard models, variations can be chosen such as slotted, unslotted or hex heads, washers for oval head styles, and retainer spring and washer sets.
Spacers		
	 Round and hexagonal profiles. Aluminum, brass, steel, stainless steel, nylon, phenolic More than 40 metallic finishes Length: 3/32" to 2" Diameters: 1/8" to 3/4" with clearance holes from 0.064" to 0.505" Available as standard parts in American & Metric dimensions 	Our spacers are used for applications requiring close control of dimensions, such as PCB mounting and come in a variety of outside dimensions and lengths. In addition to standard models, swage configurations are available to accommodate circuit boards with thickness from 1/32" to 1/4".
Standoffs		
	 Internal thread styles Round, hex, square profiles Aluminum, brass, steel, stainless steel, nylon Threads: 2-56 to 5/16-18. Length: 3/32" to 10 Diameters: 1/8" to 5/8" Available as standard parts in American & Metric dimensions 	Standoffs are the basic standard for PCB mounting and are available in round, hex, and square styles with regular and swaged ends. Swages include plain and knurled shanks and front, back or front and back- faced knurls. They are available in a wide variety of materials and finishes for every application.
Jack Screws		
	 Standard design hex jack screws Supplied with washers and nuts Material: steel with zinc plate per ASTM-B-633 (yellow chromate) Thread lengths: 3/16" to 3/4" Body diameter: 3/16" hex Body length: 3/16"; threads 4-40 Available as standard parts in American & Metric dimensions 	Standard 3/16" hex jack screws are primarily used to secure D-type cable connectors in computer and other electronic equipment. They come as a complete set including 2 flat washers, one lock washer, and one nut. Hex jack screws meet all the important industry specifications and can be customized for your application.
Precision Shoulder Screws		
	 Slotted and socket heads available Brass, steel, stainless steel Threads: 4-40 to 3/8-16 Shoulder lengths: 0.1250" to 1.500"; Shoulder diameters: 0.1245: to 0.4995" Head diameters: 1/4" to 5/8" Available as standard parts in American & Metric dimensions 	Shoulder screws are useful as a precision spacer and bearing surface for a wide variety of applications. They are manufactured with exacting tolerances (shoulder diameter: +.000/001; shoulder length: +.002/000). Undercuts on each side of the shoulder assure perfect seating for precise low friction assembly.

Thumb Screws



Male-Female Standoffs



Handles & Ferrules



- Washer face, plain, and push styles.
- Aluminum, brass, steel, stainless steel
- More than 40 metallic finishes
- Threads: 4-40 to 1/4-20
- Lengths: 1/2" to 2-1/2"
- Head diameters: 3/16" to 1/2"
- Available as standard parts in American & Metric dimensions

Thumb screws add the finishing touch to front panels or other equipment and offer the ease of no-tool assembly and dis-assembly for many applications. These components have easy-to-grip diamond knurl head surfaces plus a choice of materials and finishes that will complement any design.

- Round and hex profiles
- Aluminum, brass, steel, stainless steel, nylon
- More than 40 metallic finishes
- Threads: 2-56 to 5/16-18
- Lengths: 5/32" to 10"
- Diameters: 3/16" to 1/2"
- Available as standard parts in American & Metric dimensions

Male-female standoffs are used for printed circuit board mounting and other applications requiring close controls of dimensions, such as PC/104 modules. They are available in a variety of materials, finishes, lengths, and diameters. A malemale standoff is also available.

- Round, rectangular, and oval profiles
- Fixed, offset, 2- and 3-position, free-fall and infinite position styles
- Aluminum, brass, steel, stainless steel
- More than 40 metallic finishes
- Lengths: 3/4" to 7"
- Available as standard parts in American & Metric dimensions

We offer 11 attractive and functional handle lines for applications ranging from rack-mounted equipment to stylish carrying cases. They are available in an extensive selection of sizes, materials, finishes, and colors. In addition, a choice of handle ferrules is offered to reinforce and complete the installation.

Thread-Locking Products



- Make threaded fasteners of all sizes and configurations, self-locking and self-sealing
- Use with both male and female threads
- Automotive and military approved.
- 5 different products to satisfy the needs of every application

The ND family of factory pre-applied products is completely dry, fused to the fastener and requires no curing time after installation. ND Patch[®], ND 360(DEG) Ring-Patch[®], and ND Pell-It[®] provide locking, sealing, and are reusable. ND Microspheres[®] is an affordable alternative to micro-encapsulated adhesives; ND Vibra-Tite[®] keeps any fastener from loosening even under extreme vibration.

NAS Fasteners



We've expanded our line of NAS fasteners and hardware. RAF is currently building inventory of our NAS Fasteners, with all parts being made directly to NAS Specifications. Our NAS offering includes:

- NAS61, NAS42, NAS43, NAS1056, and NAS1057 Spacers
- NAS1829 Male-Female, NAS1830 Swage, and NAS1831 Female-Female Standoffs

Custom Design Products



Contact us to discuss your custom design product needs. Our team can work with various materials, finishes, coatings, styles, and sizes to design the product for your project requirements. 100 piece minimum order.

CNC Precision Machined Parts



- Precision contacts and bodies to Military specs
- Tolerance on diameters to +/.0002"
- Short run and prototype
- Right angle and 45° bent contacts
- Turned diameters from .010" to .750"
- Turn key product, heat treated and plated

CNC precision machining made to your blueprint, featuring primary, secondary, and complete engineering support. Capabilities include: crimping, plating, slotting, knurling, assembling, threading, heat treating, and zone annealing. Short to medium runs with quick turnaround are our specialty.

Process Capabilities

RAF Electronic Hardware specializes in the fastest deliveries of custom machined products and stock hardware, fasteners, threaded inserts, and related items. All RAF products are available in American standard and metric dimensions with an extensive offering of diameters, materials, lengths, and threads. Custom, blueprint and modified versions of our products are also available with small minimum order quantities to support your engineering requirements. Our in-house plating facility allows us an extremely short lead time for plating our products with up to 45 various finishes. Same day shipments, drop shipments and our "Quick Turn" program will provide you with the quickest deliveries possible.

Manufacturing Services	 Precision CNC Machining Zone Annealing & Right-Angle Bend Expertise Slotting Knurling Threading Heat Treating 	 Crimping Plating Assembly Complete Secondary, Toolroom, & Engineering Support
Quality Certifications & Compliance	 ISO 9001:2008 Certified MIL-I-45208A MIL-STD-45622 	MIL-C-39029Certified Dock to Stock

Markets Served

- Electronics
- Commercial
- Hardware

- Department of Defense
- Aerospace
- Light Assemblies

- Telecommunications
- Instruments
- Fiber Optics

RAF Electronic Hardware

To order stock or custom parts, visit RAFhdwe.com or contact us at 203.888.2133 | info@rafhdwe.com



95 Silvermine Rd, Seymour, CT 06483

© MW Components