



Custom Medical Device & Healthcare Consumables, Components And Parts



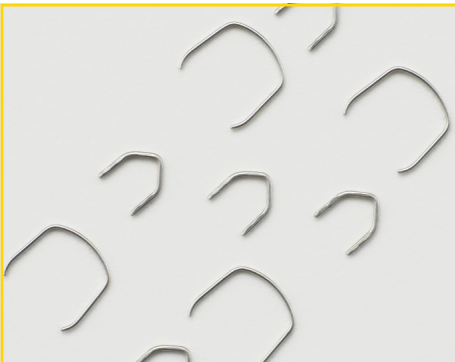
Syringe Needle Hubs



Syringe Needle Hubs/Inserts



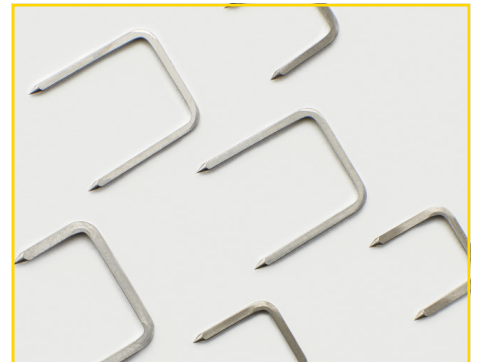
Syringe Needle Inserts



Skin Staples



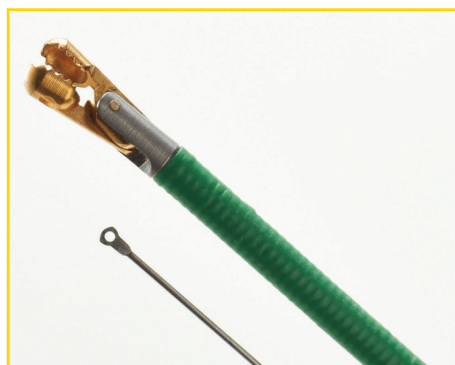
Ligature Staples



Bone Staples



Electronic Contacts



Endoscopy Drive Wire



Pharmaceutical Insert Screws

Metal Component Manufacturing Technology Attributes

Manufacturing Technology

Component Type	Approximate Dimensions	Application	Notable Features
Transfer Hub	.220" major OD x .435" long x .030" cannula thru hole	Syringe needle hub	Burrless
Filter Hub	.225" major OD x .600" long x .050" canula thru hole	Syringe needle hub	Rib feature on major OD; two locating anti-rotational tabs on flange OD
Ribbed Hub	.225" major OD x .600" long x .050" canula thru hole	Syringe needle hub	Rib feature on major OD
Dental Hub	.225" major OD x .600" long x .050" canula thru hole	Syringe needle hub	Internally tapped burrless threads
Mini Insert	.225" major OD x .125" long x .018" canula thru hole	Canulla interface	Cannula ID manufactured from .016" to .035" diameter
Large Insert	.104" major OD x 3120" long x .030" canula thru hole	Canulla interface	Three concentric OD surfaces; two different internal hole diameters
Bone Staple	Many size differentiations; all have rectangular dimensions from .053" x .022" to .050" x .060" rectangular	Used for fastening bone segments together	Material = titanium. Bone staples are all of rectangular cross sections
Ligature Staple	Rectangular cross section .032" wide x .019 thick	Wraps around blood vessels	Material = stainless steel. Tiny/exact "pyramidal depressions" for "holding power" placed along inside circumference of the staple surface
Skin Staple	.156" wide x .125" long x .015" diameter wire	Pierces skin for closure	Material = titanium. Pointed at each end with sheared point; very sharp /burrless
Drive Wire	.015" diameter wire x 95" long	Drive wire connecting trigger mechanism to cutting jaws on orthopedic devices	Wire is high tensile stainless, approx 360,000 psi, forged and pierced at one end making the connection to movable cutting jaws very strong; robust engagement to cutting jaws
Medical Terminal Block	.025" major OD x .030" long cup-shaped block	Provides electronic interface for "in-body" electrical device	Material = pure nickel. Formed with a .016" diameter blind hole in one end; with flat bottom (no screw point shape at bottom of blind hole)
Medical Wire Bond Terminals	.040" diameter	Electronic terminals	Material = copper cored nickel alloy. Copper provides good heat transfer and good electrical conductivity; surface finish provides excellent wire bond surface
Implantable Contacts	.012" to .040" diameter; varied lengths under .500" long	Terminals for implantable glass to metal seals	Generally made with full radii/smooth ends; surface OD is very smooth with no "leak path" avenues

About Paragon Medical

We act as a **close partner throughout development** to optimize product designs with collaborative solutions that help you deliver the best patient care at the highest total value.

We have the **advanced manufacturing capabilities** needed for medical device component and product manufacturing. We have the ability to engineer and manufacture metal components and assemblies such as springs, stampings, ultra-high precision machined parts, bellows and laser technologies.

We deliver a level of innovation that reduces partner-customer risk and supplier-managed quality that **simplifies your supply chain**, allowing you to bring your products to market faster.

Finally, because we have over 100 years of experience as well as a **commitment to quality** and to **developing long-term partnerships** with our customers, you can be confident in Paragon Medical as your manufacturing partner.



Paragon Medical

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