



Smart flexible shaft solutions for **OUTDOOR POWER EQUIPMENT**



Elliott Manufacturing is the #1 supplier of flex shafts to the global trimmer market.

But that's not all we do. Outdoor power equipment OEMs worldwide look to Elliott for innovative flexible shaft power solutions that stretch the functionality of products, adding value and bringing new opportunities in your markets. Our flex shafts offer efficiency and optimal performance to a wide range of hand-held, gas-powered outdoor equipment, such as string trimmers, pruners, cultivators, blowers and split boom products. Elliott shafts also provide superior chute control for snow throwers.

In larger outdoor power equipment — such as utility vehicles, lawn tractors, zero turn mowers, golf carts and riding mowers — Elliott shafts offer a flexible transmission of power as a welcome alternative to standard stiff steering columns. Our flex shafts are also used as PTO shafts, transmission drive shafts, suspension adjustments and instrumentation controls.

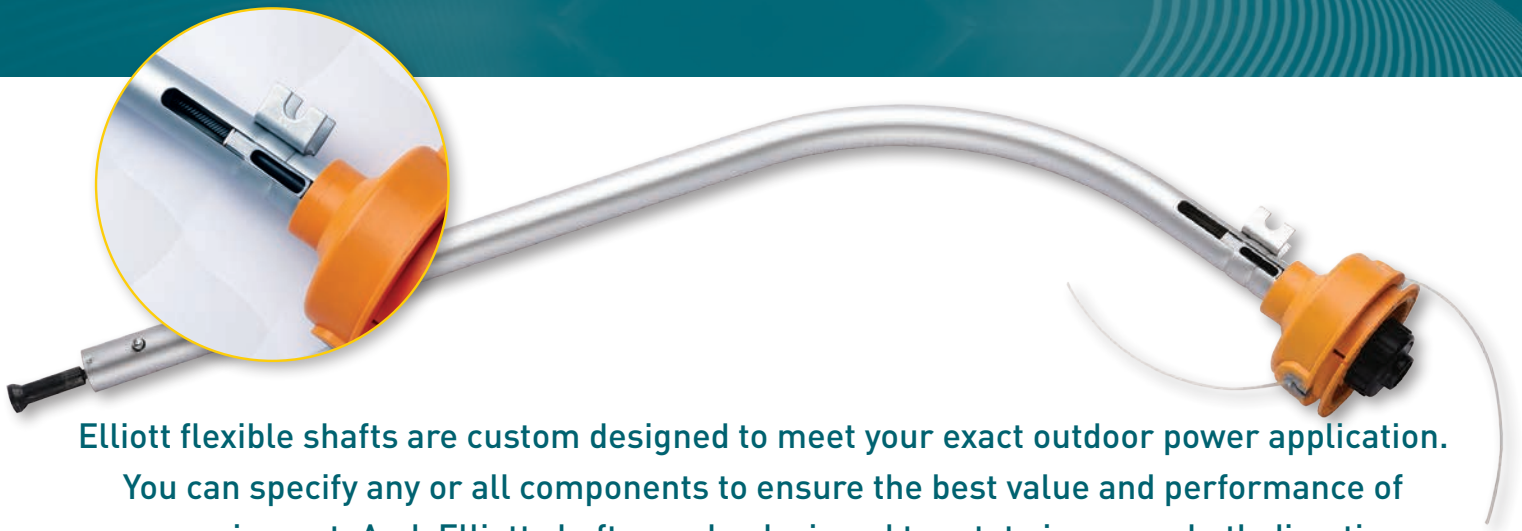
WHY CHOOSE ELLIOTT

- Design expertise
- Product customization
- Rapid prototyping
- State-of-the-art testing
- Best-in-class manufacturing

WHY USE AN ELLIOTT FLEXIBLE SHAFT

- Powers remotely with no loss in efficiency
- Endless flex shaft path possibilities
- Wide variety of sizes and constructions
- Patented nylon-liner designs can enhance the overall performance of your equipment

Learn more about our smart flexible shaft solutions at www.elliottmfg.com. To discuss how Elliott can add value to your equipment and expand market opportunities, call us at 607.772.0404 or email fssales@elliottmfg.com today.



Elliott flexible shafts are custom designed to meet your exact outdoor power application. You can specify any or all components to ensure the best value and performance of your equipment. And, Elliott shafts can be designed to rotate in one or both directions.

CORE: The core size is determined by the load and rpms transmitted through the shaft. Elliott cores are wound with multiple layers of high carbon wire and available in a variety of materials, constructions and sizes.

- Core sizes range from 0.125" to 1.625"
- Support up to 10HP and 0-50,000 rpms

CASING: The casing protects and supports the core to prevent helixing under load. A variety of materials are available to enhance performance and prolong life in corrosive and harsh outdoor environments.

- Materials are available to withstand dust, oil, moisture, abrasion and temperature extremes
- Casings have a steel or polymer liner, steel and/or cloth reinforcing braids and rubber covers
- String trimmer flex shafts use a nylon liner to reduce noise, enhance lubrication and improve their overall performance

FERRULES: These are the terminals attached to the end of the casing. They support uniform bending and prevent casing rotation. A wide variety of designs are available.

COUPLINGS: These female sockets are located at the end of the flex shaft assembly and engage the mating components within your equipment.

- Range from 0.125" to 0.500" core diameter
- Plain bored fittings provide easy attachment with set screws

FITTINGS: Fittings are machined or formed components that attach to the ends of the core to connect driving and driven elements.

- An infinite number of designs are possible to best mate with your power source
- The simplest drive is a male square formed end

Elliott flexible shaft assemblies arrive ready to be placed into your equipment. Installation is easy and fast — simply attach the assembly to the driving and driven spindles, and tighten the set screws.

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