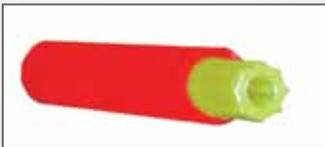


# Sullivan



Radio Control Products  
Catalog Number 25

# Starter Systems

The highest quality and most complete line of starters and starter accessories in the world, Sullivan Starter Systems are designed to fit almost any model engine starting condition. Backed by a two year limited warranty and available U.S factory service, they are made for years of reliable service. From the high speed Hornet to the massive Megatron, Sullivan is the world's leader in starter technology.



**Deluxe Hi Tork.** Similar to No. S600 but with an aluminum pulley groove drive cone. 12 Volts with a maximum of 80 Amps. 210 in-oz of torque. 5500 no load RPM. For all engines up to .60 cubic inches and most to 1.20. No S601



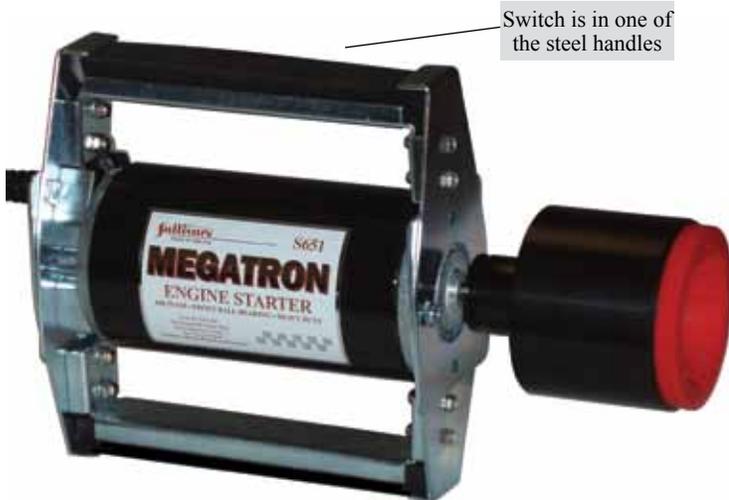
**Hornet.** Designed for small, high RPM engines, such as 1/2A and control line. 12 Volts with a maximum of 30 Amps. 15,000 no load RPM. For all engines up to .12 cubic inches (2.0 cc). No. S598

**Dynatron.** Heavy Duty starter for engines up to 2.5 cubic inches (40 cc). Aluminum pulley groove drive cone. 12 or 24 Volts with a maximum of 100 Amps. 340 in-oz of torque on 12 Volts, 680 in-oz of torque on 24 Volts. 4800 no load RPM. No. S603

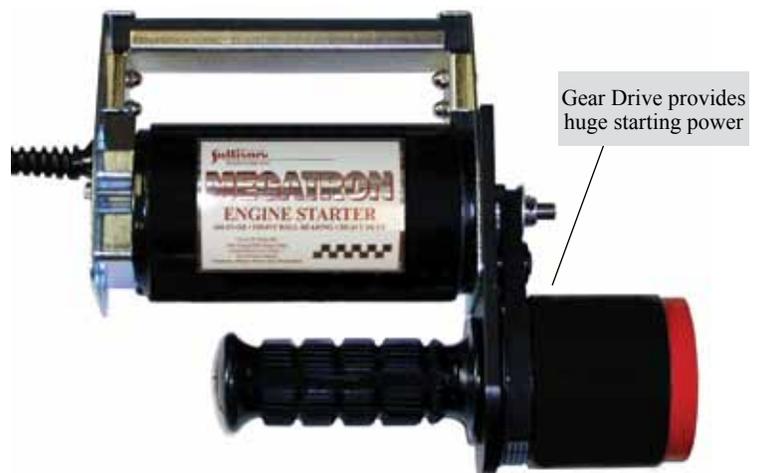


**Mariner.** Heavy duty starter made for starting boat engines with starter belts. Top handle with switch. Aluminum Double Pulley Drive Cone. 12 or 24 Volts with a maximum of 100 Amps. 600 in-oz of torque on 12 Volts, 1200 in-oz on 24 Volts. 2800 no load RPM. No. S650

**Megatron.** Super duty starter for large engines to 80 cc. Features 3" Aluminum cone, 3" silicone rubber insert, double steel handles and front ball bearing. Can be operated at 12 or 24 Volts. Output 600 in-oz of torque on 12 Volts, 1200 in-oz on 24 Volts. 2800 no load RPM. Maximum current draw 100 Amps at 12V. No. S651



**Megatron with 4:1 Belt Reduction.** Suitable for most engines to 160 cc. No. S652



**Validus GRS Professional Engine Starter.** Our biggest engine starter yet! Professional starter for large engines up to 350cc. It features a 3" Aluminum Nose Cone, silicone insert, and HD 6 gage wire with standard battery post connections. Double handle grips molded to fit the shape of your hand. 1-3/4 hp provides huge starting power. Stall torque is 225 inch-pounds or 3600 in-oz. 4000 no load rpm. Maximum amp draw is 600.

No. S654 CCW (Normal) Engine Rotation  
 No. S655 CW (Reverse) Engine Rotation



## Starter Accessories

**Sullivan's high quality starter accessories have been carefully designed to work with Sullivan starters. They fit most other brands as well. The accessories are all designed to give you the full performance of your starter.**

**3 Inch Gold Aluminum Nose Cone.**  
 Redesign cone screws directly on the S603 Dynatron starter shaft. Accepts 3 Inch rubber inserts.  
 No. S630



**3 Inch Silicone Inserts.**  
 Soft, high grip silicone reversible rubber inserts for the S630 Aluminum Nose Cone or Megatron Double Handle Starter.  
 For 2-1/4" to 6" Spinners  
 Green No. S637



For 1-3/4" to 3-1/2" Spinners  
 Red No. S636



**Silicone Inserts.** Soft, heat resistant silicone rubber offers high grip and long life. Available in special contours to fit a variety of spinners.

Deep (blue)	No. S631
Standard (white)	No. S632
Shallow (red)	No. S633

**6 MM Helicopter Extension Kit.**  
 Made for use with a 6 mm socket helicopters, it features a custom hex drive for maximum torque transfer without strip out, an oversized one way clutch and a single oversized thrust bearing. The precision aluminum clamps provide true running performance. Tool free disassembly. Also fits in 1" starter insert for quick mouting. 12" (31 cm) long. 1 Year Warranty. No. S613



**Rubber Insert.**  
 Standard natural rubber insert for general use. Straight sides.  
 No. S605



**Bare Propeller Insert.**  
 Steel reinforced Neoprene rubber insert for bare propellers. Cam-out design fits most two blade props to 15" diameter (max prop hub diameter 1").  
 No. S635



**Neoprene Insert.**  
 Tough, long lasting insert for very small spinners or prop nuts. Fits all standard nose cones. Color: Yellow  
 No. S634

**Banana Plugs.** Heavy Duty M/F plugs for Sullivan starter cords. Can be soldered or attached with set screw. Fits wires to 12 gauge. Complete with heat sink shrink insulation. No. S645



**Starter Belt.**

17" reinforced rubber belt shaped to fit standard pulley grooves. For boats and helicopters. No. S626



**Heavy Duty Starter Cord.** 15 feet of stranded copper 10 gauge 24V power cord. Suitable for all larger Sullivan starters. No. S653



**Aluminum Nose Cone.** Machined starter cone with pulley groove. No. S607

**Starting Wheel Kit.**

For gas powered cars. Complete with 3-1/2" by 1/2" (89 mm by 13 mm) hard rubber wheel, small "no slip" aluminum hub and locknut. Replaces standard starter nose cone. Kit No. S610  
Replacement Wheel No. S624



**Replacement Insert** for Hornet Starter. No. S622



# Generators



**Genesys - Inflight Electrical Power.**

Genesys is the first practical electrical generator for model airplane engines. Weighing only 5.5 ounces (156g) and adding no moving parts, the system can generate up to 800 mA - enough to run the radio system and maintain battery charge at the same time. In addition, GENESYS can run many accessories that would be impractical on battery power alone. As long as the engine is running you have unlimited flight time!



The standard GENESYS system consists of a Magnet Ring, a Transformer Coil and the electrical regulator (the CCU). The magnet ring simply bolts onto the prop shaft behind your prop and/or spinner. It takes up only 1/16" (1,6 mm) of shaft length. The Transformer Coil clamps under the engine using only three screws. The universal clamps will fit most engines .25 to 1.20. The Coil plugs into the ccu which can be placed



anywhere in the model. There is a charge indicator on the CCU and a remote charge indicator that can be placed in any convenient visible location. The CCU has five outlet ports for any 4.8V accessories, two receiver-side "battery spare" ports for accessories that need to be connected to the receiver battery, a socket for the receiver battery and a cable that plugs into the receiver. The receiver side is switchable between 4.8V and 6.0V.

**Genesys Lights Sets.**

Utilizing small incandescent bulbs or LED's these light sets provide realism for any model. All light sets plug directly into the CCU or a 4.8V battery.

The receiver battery is connected to the receiver at all times. As long as the engine is running above idle GENESYS will charge the receiver battery while providing power to the radio. The system can charge a second 4.8V battery. In addition, it will supply current to any accessories. Should the battery pack fail GENESYS will continue to run the receiver.

Each coil is capable of 4-5 watts, and a second coil can be added (with appropriate brackets) for additional power. In addition, we can modify the standard regulator for different voltages.

- No. S662 White Blinking Strobe (Incandescent)
- No. S663 Red Simulated Rotating Beacon (Incandescent)
- No. S664 R/C Switch for any accessory up to 15A
- No. S665 Navigation Lights (One each Red, White and Green) (Incandescent)
- No. S667 Landing Lights using Maglite® bulbs (Incandescent)
- No. S668 LED Night Flying set - Red
- No. S669 LED Night Flying set - Yellow
- No. S670 LED Night Flying set - Green

# TigerDrive

**No More Yanking on a Short Rope! TigerDrives allow hand-held power starting of recoil (pull) start engines. They directly replace the recoil unit and allow starting with an electric starter or cordless drill. There are 90 degree versions and Inline versions for most pull-start R/C engines.**

**TigerDrives are high quality units. They feature hardened steel gears, aluminum brackets, bronze bushings and long life bearings.**



## Classic TigerDrives

Type	Engines	Number
6 mm Clutch version	90 Degree Version fits most engines with a 6 mm rear output shaft	S680
8 mm Clutch Version	90 Degree Version fits most OS® engines with an 8 mm rear output shaft	S681
6 mm Clutch version	90 Degree Version fits most engines for the T-Maxx	S682
8 mm Clutch Version	90 Degree Version fits most OS® engines for the T-Maxx	S683
8 mm Clutch Version	90 Degree Version fits OS® 32 Engines with an 8 mm rear output shaft	S684
6 mm Shaft Version	Offset version for Hyper 21	S685
6 mm Shaft version	90 Degree Version fits MACH 26 and similar engines with a 6 mm clutch	S687
6 mm Shaft version	90 Degree Version fits most engines with an internal 6 mm clutch	S689
6 mm Shaft version	90 Degree Reverse Version fits most engines with an internal 6 mm clutch	S691
8 mm Shaft version	90 Degree Reverse version fits most engines with an internal 8 mm clutch	S693
6 mm Long Shaft version	90 Degree Version fits some engines with an internal 6 mm clutch	S694
6 mm Shaft version	90 Degree Version fits MACH 15 with an internal 6 mm clutch	S695
	Replacement 8 mm One Way Clutch and bevel gear for 90 degree versions	S696
	Replacement 6 mm One Way Clutch and bevel gear for 90 degree versions	S697

## Inline Version

6 mm Clutch version	Inline TigerDrive Version fits most engines with a 6 mm rear output shaft	S702
6 mm Shaft Version	Inline TigerDrive Version fits most engines with a 6 mm internal clutch	S704
8 mm Shaft Version	Inline TigerDrive Version fits most engines with an 8 mm clutch	S705

## Special Edition

6 mm Clutch Version	Super Tigre 4.4CC G-27CX	S707
6 mm Clutch Version	OS .30 VG(P)X	S708

See [www.sullivanproducts.com](http://www.sullivanproducts.com) for an up-to-date cross reference list of specific engine models and additional adapters/accessories.



**TigerDrive 90 Degree Version.** These fit most cars and trucks that have the engine in-line with the chassis. These can usually be mounted four ways for good access choices.



**TigerDrive Inline Version.** These fits most cars and trucks that have the engine mounted crossways in the chassis or have access through the rear suspension. These all metal units can also be mounted four ways



**TigerDrive Drive Wand.** The 7/32" hardened steel ball fits all TigerDrives. The aluminum adapter fits most hand held starters, including Sullivan Hi-Tork and Dynatron. No. S686

**Shim Kit.** No. S698



**Aluminum Pro Covers.** Has cooling fins, fits all 90 degree TigerDrives No. S690



**TigerDrives Covers.** This set features heavy duty nylon covers in various colors to match your vehicle. Fits all 90 degree TigerDrives. No. S688



**DRY ICE Racing Lube.** This special lubricant is made for exposed gears and bearings. It cleans, lubricates, and leaves a dry PTFE-based coating that helps repel dirt. No. S699



S707



S691



S689



S685



S682

# Fuel Tank Systems

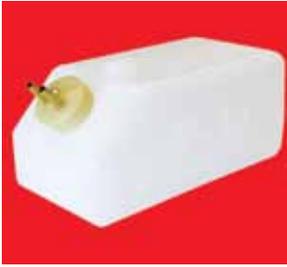
Sullivan is the world's leader in the number of the shapes, sizes, and styles of its fuel tanks. From the smallest one ounce (30 ml) tank to the extra large 32 ounce (960 ml) tank, there is a Sullivan tank to fit almost any model. All tank kits include the hardware needed for glow fuel operation, including twist-tie clamps and both brass and nylon tubing. Sullivan molds fuel tanks from two materials:

**Standard Tanks:** are molded from rigid high density polyethylene. With the S484 or S489 Gasoline Conversion Kit, they may be used with gasoline or diesel fuel.

**Flex tanks:** are molded from a special flexible, translucent polymer making them easier to fit into tight places and are very durable. They can be reshaped with a heat gun if desired. Flex tanks are for glow fuel only.

## Slant Tanks

No.	Size	Height	Width	Length
S435	1 Ounce 30 ml	1-1/8" 29 mm	1-3/8" 35 mm	2-1/2" 64 mm
S436	2 Ounce 60 ml	1-1/4" 32 mm	1-3/4" 44 mm	2-3/4" 70 mm
S437	4 Ounce 120 ml	1-3/8" 35 mm	2" 51 mm	3-1/2" 89 mm
S438	6 Ounce 180 ml	1-3/4" 44 mm	2-1/8" 54 mm	4" 102 mm
S439	8 Ounce 240 ml	1-7/8" 48 mm	2-1/4" 57 mm	4-1/2" 114 mm
S440	10 Ounce 300 ml	2-1/8" 54 mm	2-1/2" 64 mm	4-3/8" 111 mm
S441	12 Ounce 360 ml	2-1/8" 54 mm	2-1/2" 64 mm	5" 127 mm
S442	14 Ounce 420 ml	2-1/16" 52 mm	2-5/8" 67 mm	5-3/4" 146 mm
S443	16 Ounce 480 ml	2-5/16" 59 mm	2-11/16" 68 mm	5-3/4" 146 mm
S444	24 Ounce 720 ml	2-3/8" 60 mm	3" 76 mm	7-1/8" 181 mm



## Rectangular Tanks

No.	Size	Height	Width	Length
S425	4 Ounce 120 ml	2" 51 mm	1-3/8" 35 mm	3-1/2" 89 mm
S426	6 Ounce 180 ml	2-1/8" 54 mm	1-3/4" 44 mm	4" 102 mm
S427	8 Ounce 240 ml	2-1/4" 57 mm	1-7/8" 48 mm	4-1/2" 114 mm
S428	10 Ounce 300 ml	2-1/2" 64 mm	2-1/8" 54 mm	4-3/8" 111 mm
S429	12 Ounce 360 ml	2-1/2" 64 mm	2-1/8" 54 mm	5" 127 mm



*All Sullivan tank bodies have a lifetime warranty!*

## Round Tanks

No.	Size	Height	Width	Length
S400	1 Ounce 30 ml	1-1/4" 32 mm	1-1/4" 32 mm	2-1/8" 54 mm
S401	2 Ounce 60 ml	1-3/8" 35 mm	1-3/8" 35 mm	2-3/4" 70 mm
S402	4 Ounce 120 ml	1-3/4" 44 mm	1-3/4" 44 mm	3-5/8" 92 mm
S403	6 Ounce 180 ml	2" 51 mm	2" 51 mm	4" 102 mm
S404	8 Ounce 240 ml	2-5/16" 59 mm	2-5/16" 59 mm	4-3/16" 106 mm
S405	10 Ounce 300 ml	2-5/16" 59 mm	2-5/16" 59 mm	4-7/8" 124 mm
S406	12 Ounce 360 ml	2-1/2" 64 mm	2-1/2" 64 mm	5-5/8" 143 mm
S407	16 Ounce 480 ml	3" 76 mm	3" 76 mm	5-1/2" 140 mm



## Cylinder Tanks

No.	Size	Height	Width	Length
S410	4 Ounce 120 ml	1-5/8" 41 mm	1-5/8" 41 mm	4-1/8" 105 mm
S412	8 Ounce 240 ml	1-15/16" 49 mm	1-15/16" 49 mm	6" 152 mm
S414	16 Ounce 480 ml	2-1/2" 64 mm	2-1/2" 64 mm	7-1/4" 184 mm



## Oval Tanks

No.	Size	Height	Width	Length
S416	2 Ounce 60 ml	1" 25 mm	2" 25 mm	3-1/8" 79 mm



## Bullet Tanks

No.	Size	Height	Width	Length
S376	1.5 Ounce 44 ml	1-3/16" 30 mm	1-3/16" 30 mm	4-1/4" 108 mm
S377	3.5 Ounce 104 ml	1-5/8" 41 mm	1-5/8" 41 mm	5-3/8" 137 mm
S378	4.5 Ounce 133 ml	1-3/4" 44 mm	1-3/4" 44 mm	5-1/4" 133 mm
S379	6 Ounce 192 ml	2" 51 mm	2" 51 mm	6-3/4" 171 mm



## Slant Oval Tanks

No.	Size	Height	Width	Length
S445	6 Ounce 180 ml	2-1/2" 64 mm	1-1/2" 38 mm	4-5/8" 117 mm
S446	8 Ounce 240 ml	2-3/4" 70 mm	1-1/2" 38 mm	5-11/32" 136 mm
S447	10 Ounce 300 ml	3" 76 mm	1-1/2" 38 mm	6" 152 mm
S448	12 Ounce 360 ml	3-1/4" 83 mm	1-1/2" 38 mm	6-1/2" 165 mm



## Ducted Fan Tank

No.	Size	Height	Width	Length
S380	11 Ounce 325 ml	3-1/2" 89 mm	1" 25 mm	6-5/8" 168 mm



# Fuel Tank Systems



## Large "V" Shape Tank

With Both Glow and Gasoline Fittings

No.	Size	Height	Width	Length
S395	32 Ounce 946 ml	3" 76 mm	3-5/16" 85 mm	7-1/4" 185 mm



## Boat "V" Bottom Tank

No.	Size	Height	Width	Length
S390	16 Ounce 480 ml	1-3/4" 44 mm	3-7/8" 98 mm	5-1/2" 148 mm

## Tapered Rectangular Tanks



No.	Size	Height	Width	Length
S382	3.5 Ounce 104 ml	2" 51 mm	1-7/16" 37 mm	3-7/8" 98 mm
S383	7 Ounce 207 ml	2" 51 mm	2-1/8" 54 mm	4-15/16" 125 mm
S385	11 Ounce 325 ml	2-1/4" 57 mm	2-1/2" 64 mm	5-1/8" 130 mm
S386	15 Ounce 443 ml	2-1/2" 64 mm	2-3/4" 70 mm	5-1/2" 140 mm
S388	21 Ounce 621 ml	2-7/8" 73 mm	3-1/8" 79 mm	6-3/8" 162 mm



## Marine Tank

With 38mm screw cap & Both Glow and Gasoline Fittings

No.	Size	Height	Width	Length
S391	18 Ounce 530 ml	2.70" 69 mm	4.80" 122mm	4-1/2" 114 mm



## Trainer Tank

No.	Size	Height	Width	Length
S384	8 Ounce 236 ml	2-7/8" 73 mm	2-1/8" 54 mm	4-1/4" 108 mm

## Flextank Rectangular



No.	Size	Height	Width	Length
S725	4 Ounce 120 ml	2" 51 mm	1-3/8" 35 mm	3-1/2" 89 mm
S726	6 Ounce 180 ml	2-1/8" 54 mm	1-3/4" 44 mm	4" 102 mm
S727	8 Ounce 240 ml	2-1/4" 57 mm	1-7/8" 48 mm	4-1/2" 114 mm
S728	10 Ounce 300 ml	2-1/2" 64 mm	2-1/8" 54 mm	4-3/8" 111 mm
S729	12 Ounce 360 ml	2-1/2" 64 mm	2-1/8" 54 mm	5" 127 mm



## Flextank Slant

No.	Size	Height	Width	Length
S735	1 Ounce 30 ml	1-1/8" 29 mm	1-3/8" 35 mm	2-1/2" 64 mm
S736	2 Ounce 60 ml	1-1/4" 32 mm	1-3/4" 44 mm	2-3/4" 70 mm
S737	4 Ounce 120 ml	1-3/8" 35 mm	2" 51 mm	3-1/2" 89 mm
S738	6 Ounce 180 ml	1-3/4" 44 mm	2-1/8" 54 mm	4" 102 mm
S739	8 Ounce 240 ml	1-7/8" 48 mm	2-1/4" 57 mm	4-1/2" 114 mm
S740	10 Ounce 300 ml	2-1/8" 54 mm	2-1/2" 64 mm	4-3/8" 111mm
S741	12 Ounce 360 ml	2-1/8" 54 mm	2-1/2" 64 mm	5" 127 mm
S742	14 Ounce 420 ml	2-1/16" 52 mm	2-5/8" 67 mm	5-3/4" 146 mm
S743	16 Ounce 480 ml	2-5/16" 59 mm	2-11/16" 68 mm	5-3/4" 146 mm

# Fuel System Components

**Fuel Tubing Adapter.** 3/32" to 5/32" tubing adapter. Handy for adapting large fittings, such as muffler nipples, or gasoline carb fittings. No. S485



**Fuel Line Tubing Connectors.** Nylon fittings are compatible with all fuels.

Tees & connectors for 3/32" ID Tubing. No. S486  
Tees & elbows for 5/32" ID Tubing. No. S477



**Fuel Clamps For Large Tubing (nylon).** Two clamp sizes fit most 5/32" size tubes. 6 pcs. No. S757



**Twist Tie Clamps.** Annealed Stainless Steel for all fuel and tubing types. 20 pieces. No. S488



**"Soft Foam" Protective Strips.** Specially designed Neoprene sponge rubber strip, 3/8" (9,5 mm) wide by 1/2" (12,7 mm) high with self adhesive back. Can be cut and bent to almost any shape. Protects fuel tanks, receivers, and servos from vibration and movement. No. S218

# Fuel System Components

## Heavy Duty Aluminum Stopper Assembly.

Machined aluminum cap and washer is threaded 4-40 for extra tightening torque. Includes both glow and gas stoppers, and both 1/8" and 5/32" brass tubing. Ideal for high pressure systems. No. S478



## Heavy Duty Multi Fuel Stopper Kit.

Similar to our S478, this new kit features:

- New fuel stopper material resists all fuel types; gas, glow, and smoke oil
- Heavy duty blue aluminum housing
- Ideal for high pressure systems
- 1/8" and 5/32" brass tubes
- Fits all Sullivan tanks

No. S469



**Super Klunk.** Heavy weight nickel plated brass klunk fits medium and large tubing. It is designed to fit into corners. Weighs 11g. No. S396



**Fuel Feed Bottle Cap.** One piece fitting set for standard 38 mm cap size plastic 1 gallon fuel jugs. Quickly add in/out fittings to your fuel bottle -- no drilling, no leaks! No. S487



## Gasoline Conversion Kit.

All the fittings needed to use standard Sullivan tanks with gasoline or diesel fuel. *Do not use with Flex tanks.*

Standard Size No. S484  
Large Size No. S489



## Standard Replacement Stopper Assembly.

Contains full stopper parts for glow fuel. Fits all Sullivan tanks. No. S482



## Large Fuel Capacity Tank Stopper Assembly.

Oversize 3/16" fuel feed tube has twice the capacity of standard 1/8" tubes. Includes glow fuel and gasoline stoppers. Fits all standard Sullivan tanks. No. S479

**Universal Fuel Stopper.** Compatible with gasoline, glow fuel, diesel or any mix of smoke oil. Made out of synthetic rubber (Fluoroelastomer) that provides extraordinary levels of resistance to chemicals, aggressive fuels, oil and heat. Fits all Sullivan Fuel Tanks. Color: Black. No. S449



## Machined Aluminum Check Valve.

Featuring a Viton® seal and low cracking pressure, this high flow rate valve is the same unit found in the S753 Smoke Pump. No. S756



## Fuel Nipple.

Machined Aluminum nipple for additional vent or fill port, or for bladder systems. Will fit medium and large fuel tubing. No. S476



# Onboard Smoke System

**Skywriter Onboard Smoke System!** Utilizing an internal microprocessor

*SkyWriter*

the Skywriter has an electronically controlled smoke rate (with a programmable radio). This allows you to adjust smoke rate during flight and/or slave

it to your throttle servo. It features an ultrasonically welded direct drive pump head, and weighs less than 4 ounces. The pump can operate from any 4.8V to 12V battery (6V + recommended). The kit includes tubing, fittings, a double screen filter and check valve--everything needed except a smoke tank and smoke muffler. No. S753

**The S753 Smoke Pump** comes with a machined aluminum check valve, double screen filter, aluminum adapters, nylon tubing clamps, twist-tie clamps and smoke tubing.

Hermetically Sealed Gear Pump

**All Hardware Included!!**

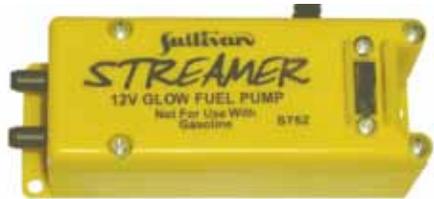


Microprocessor Controlled

Machined Aluminum Cover

# Fuel Pumps

S752



**12V Field Pumps.** Featuring an ultrasonically welded pump head, three position switch and alligator clips, these pumps are designed for long life. The close tolerance reversible gear pump is designed for all fuels except gasoline. Direct drive design for reliability. Rated at 33 ounces/ minute at 12 VDC.

**STREAMER**

**Rated @ 33oz/minute  
at 12VDC**

Yellow Glow Fuel Version  
Red Smoke Oil/Diesel Version

No. S752  
No. S754

S754



### Bulb Pumps For Glow Fuel

- 2 Ounce (59 ml) No. S173
- 4 Ounce (118 ml) No. S174
- 6 Ounce (177 ml) No. S177
- 8 Ounce (237 ml) No. S178

### Bulb Pump For Gasoline (Black)

- 6 Ounce (177ml) No. S171

# Filters and Tubing

## Double Screen "Crap Trap" Filters

Fuel flows first through a 60 mesh Stainless Steel screen and then through a 120 mesh stainless steel screen to give increased filtering capacity and remove minimum particle sizes. Filters feature clear PTFE barrels and Aluminum ends are suitable for all fuels. They are easily cleaned by backflushing with fresh fuel or solvent.

**Gasoline Compatible!**

**Small Size.** For use between model fuel tank and model engine. No. S187



**Large Size.** For use between fuel supply and model fuel tank. No. S189

### Filtered Fueler with Bottle Cap.

Conveniently screws directly onto 1 gallon fuel jugs, and self stores when not in use. Filter tip can be used directly into tank tubing. Includes large filter, filling tube and four feet (122 cm) of 5/32" (4,0 mm) ID flexible silicone tubing.



No. S191

**Filtered Fueler.** Includes large filter, 1/8" fuel probe and four feet (122 cm) of fuel resistant silicone tubing with a 5/32" (4 mm) inside diameter. No. S190



No.	Type	Color	Size	Length
S201	Silicone Glow Fuels	White	1/16" ID 1,7 mm	3 Feet 0,9 m
S205	Silicone Glow Fuels	White	3/32" ID 2,4 mm	2 Feet 0,6 m
S202	Silicone Glow Fuels	White	5/32" ID 4,0 mm	3 Feet 0,9 m
S206	Nitrile Smoke, Diesel	Black	3/32" ID 2,4 mm	3 Feet 0,9 m
S207	Nitrile Smoke, Diesel	Black	5/32" ID 4,0 mm	3 Feet 0,9 m
S208	Yellow Gas Gasoline, Oil, Diesel, Smoke	Yellow	3/32" ID 2,4 mm	3 Feet 0,9 m
S209	Yellow Gas Gasoline, Oil, Diesel, Smoke	Yellow	5/32" ID 4,0 mm	3 Feet 0,9 m
S220	Silicone Glow Fuels	White	3/32" ID 2,4 mm	50 Feet 15,2 m
S221	Silicone Glow Fuels	White	5/32" ID 4,0 mm	30 Feet 9,1 m
S222	Yellow Gas Gasoline, Oil, Diesel, Smoke	Yellow	3/32" ID 2,4 mm	50 Feet 15,2 m
S223	Yellow Gas Gasoline, Oil, Diesel, Smoke	Yellow	5/32" ID 4,0 mm	30 Feet 9,1 m
S224	Nitrile Smoke, Diesel	Black	5/32" ID 4,0 mm	30 Feet 9,1 m

## Premium Fuel Tubing

**Tubing for Glow Fuels.** High quality silicone tubing is very flexible and resistant to all glow fuels. The same tubing used in all of our tanks.

**Tubing For Smoke Oil.** Special Nitrile "Buna-N" tubing is resistant to smoke oils and heat, making it ideal for smoke applications.

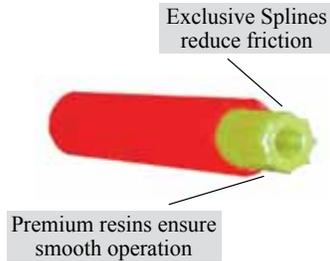
**Special Amber Gasoline Tubing.** Semitransparent tubing is suitable for all gasoline and gasoline/alcohol blends. **Special flexible walls for tighter turning.**



# Gold-N-Rods Push Rods

Sullivan makes the widest variety of push rods and connectors in the world. They are used to connect servo arms in the model to the model's control surfaces. All are made to tight tolerances to insure smooth operation with minimum friction. Sullivan packages its push rods complete with Sullivan clevises and other installation hardware in standard thread sizes. See page 11 for an application guide.

**Nylon Push Rods.** Made from a special compound to reduce thermal expansion, these push rods are light, strong and flexible. The inner rod spline construction reduces friction and binding.



**Solid Rods.** These rods are for straight runs. The S511 is galvanized steel, the S519 is stainless steel. The S587 is for very small models (Park Flyers).

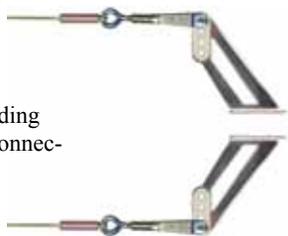
Number	Length	Sets/Pkg	Hardware Size	Min. Radius	Gold-N-Rod
S503	36" (91,4 cm)	2	2-56	2-1/2" (6,4 cm)	
S504	48" (122 cm)	2	2-56	2-1/2" (6,4 cm)	
S505	36" (91,4 cm)	2	2-56	3-1/2" (8,9 cm)	
S506	48" (122 cm)	2	2-56	3-1/2" (8,9 cm)	
S573	36" (91,4 cm)	2	2 mm	2-1/2" (6,4 cm)	
S574	48" (122 cm)	2	2 mm	2-1/2" (6,4 cm)	
S575	36" (91,4 cm)	2	2 mm	3-1/2" (8,9 cm)	
S576	48" (122 cm)	2	2 mm	3-1/2" (8,9 cm)	
S517	36" (91,4 cm)	2	4-40	12" (30,5 cm)	
S518	60" (152 cm)	2	4-40	12" (30,5 cm)	

Number	Length	Sets/Pkg	Hardware Size	Min. Radius	Gold-N-Rod
S511	36" (91,4 cm)	2	2-56	Rigid	
S519	36" (91,4 cm)	1	4-40	Rigid	
S587	36" (91,4 cm)	1	.025" Wire Z-Bend	18" (46 cm)	

**Metal Cable Push Rods.** Stranded Stainless Steel cables combine high strength with maximum flexibility. (No. S515 is galvanized steel). Cables are plated for easy soldering to connectors.



**Pull-Pull Cable Kits.** Each kit is complete with all hardware including clevises and specially designed connectors for accurate adjustment.



Number	Length	Test	Hardware Size	Material	Gold-N-Rod
S520	15 Feet (4,5 m)	40 lb	2-56	.015" Steel Pull-Pull	
S521	12 Feet (3,6 m)	100 lb	2-56	Kevlar® Pull-Pull	

Number	Length	Sets/Pkg	Hardware Size	Min. Radius	Gold-N-Rod
S507	36" (91,4 cm)	2	2-56	1-1/2" (3,8 cm)	
S508	36" (91,4 cm)	2	2-56	2" (5,1 cm)	
S514	48" (122 cm)	2	2-56	2" (5,1 cm)	
S515	36" (91,4 cm)	2	2-56	2-1/2" (6,4 cm)	
S577	36" (91,4 cm)	2	2 mm	1-1/2" (3,8 cm)	
S578	36" (91,4 cm)	2	2 mm	2" (5,1 cm)	
S586	48" (122 cm)	2	2 mm	2" (5,1 cm)	

# Control System Components

Sullivan's Control System Components are constructed of Tempered Steel, Glass Reinforced Plastics and Brass for maximum strength and life. Each type is engineered to be the best in the world.

**Gold-N-Clevis.** Strongest Clevises made. Spring steel with welded center pin, retaining clip groove and interlocking collar. Brass plated for easy soldering. Includes unique spring steel retaining clips.



- With 2-56 threads (2) No. S525
- With 4-40 threads (2) No. S526
- Spare retaining clips (20) No. S510
- With 2-56 threads (12) No. S527
- With 4-40 threads (12) No. S528
- With 2 mm threads (2) No. S529



**Clevis Opening Tool.** A simple, inexpensive tool to open clevises easily. Magnetized slot holds clevis retaining clip in place. No. S524



**Ball Links.** Unique, spring loaded, glass reinforced nylon sleeve holds plated steel ball firmly in place yet is easily released for changes and final adjustment.

- 2-56 Size No. S560
- 4-40 Size No. S562
- 4-40 Special Link For Cars No. S905



**6-32 Adjustable Horn.** This horn has a 3/4" offset and uses a 6-32 horn. Suitable for planes up to 15 lbs. No. S566



**8-32 Adjustable Horn.** Designed for planes up to 1/3 scale, this heavy duty glass reinforced 8-32 horn has a 3/4" offset so the included mounting screw can be located farther back in the control surface. Specifically designed with pocket for clevis pins. Comes with a machined aluminum base, 4-40 Gold-N-Clevis and hardware. No. S567



**Heavy Duty Pushrod Connector.**

Connects straight rods to servo arms or other controls. Adjustable 0-80 nut hold steel body onto control / servo arm. For 2-56 to 4-40 sized rods. No. S550



**Push Rod Mounting Clamps.** Designed to make control rod installation and adjustment easier, these tempered steel clamps hold the casing securely in place without adhesive. Fits Sullivan 503, 504, 505, 506, 508, 514, and 515 Control Rods as well as most other brands. No. S533



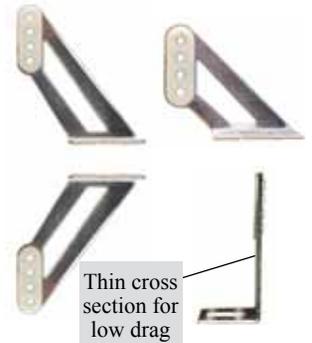
**Aluminum Ball Links.** These ball joints are made of machined aluminum and provide a full range of motion, permitting off-axis operation. Hard Coat anodized for protection against corrosion and wear. Spring loaded, steel sleeve holds plated steel ball firmly in place yet easily released for final adjustment. They come in four sizes and four colors: 4-40 in blue, 2-56 in red, 2mm in green, and 3mm in gold.

- 2-56 Size No. S590
- 4-40 Size No. S591
- 2mm Size No. S592
- 3mm Size No. S593



**Steel Control Horns.** Plated hardened steel control horns are light, rigid, and very strong. Complete with nylon bushings for smooth operation and to prevent metal to metal contact.

- 3/4" Left/Right Pair No. S554
- 3/4" (19 mm) High No. S555
- 1-1/8" (29 mm) High No. S556
- 1-1/8" Left/Right Pair No. S557



Thin cross section for low drag

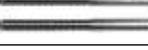
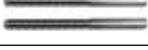
**Double Adjustable Super**

**Horn.** Two heavy duty horns and machined bases with a 3" 8-32 threaded steel rod. Ideal for pull-pull applications. No. S568



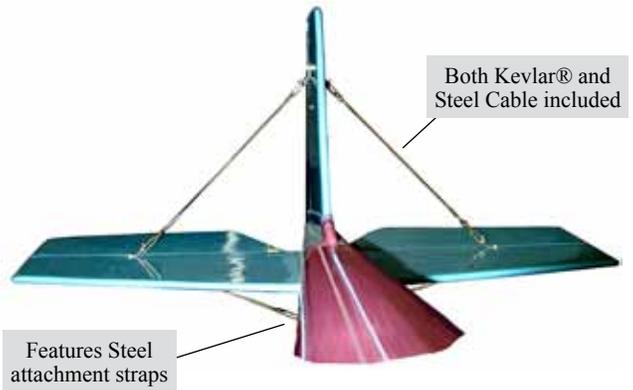
# Control System Components

## Couplers, Studs, Nuts & Eyebolts

Hardware	Description	Qty/Pkg	Number
	2-56 Steel Hex Nuts	20	S497
	2-56 x 1" Studs	20	S498
	2-56 Threaded Couplers w/ Thru Hole For .025" to .038" cables and rods	8	S512
	2-56 Threaded Brass Couplers For .035" to .070" cables and rods	2	S513
	2-56 x 3/4" Eyebolts and Nuts, Steel	4	S548
	4-40 x 1" Eyebolts and Nuts, Steel	4	S549
	4-40 x 1" Steel Hex Nuts	12	S490
	4-40 x 1" Threaded Steel Studs	6	S491
	4-40 Threaded Brass Couplers For .050" to .090" cables and rods	2	S543
	2 mm Threaded Couplers For 0,9mm to 1,6mm cables	2	S536
	2 mm Threaded Brass Couplers For 0,6mm to 0,9mm cables	8	S537
	Nylon Shoulder Washers 1/8", 5/32", 3/16" and 1/4" ID	16	S565
	Flying Wire Attachment Straps	8	S547

## Threaded Rods

Threaded Rods	Description	Qty/Pkg	Number
	2-56 x 12" All Thread	3	S500
	2-56 Assorted Single End Thread	8	S499
	2-56 Assorted Double End Thread	8	S501
	2-56 Assorted Z-Bend	8	S502
	4-40 x 12" All Thread	2	S495
	4-40 Assorted Double End Thread	10	S494



**Universal Flying Wire Kit.** For wing support or tail braces this kit includes eight feet of both .032 Brass Plated Stainless Steel Cable and 120 lb. test Kevlar Aramid Cable. In addition, there are special steel brackets with brass bearings and enough hardware for nearly any type of installation.  
Complete Kit No. S546



**Bulk Length Kevlar® Cable and Housing.** For custom pull-pull or bracing wire designs, this kit includes 30 feet (9,1M) of Kevlar® Aramid Cable, clevises (2), eyebolts (2), brass couplers (2), and crimp tubes (2). 100 lb. breaking strength.  
Kit No. S523

### Bulk Length .032 Cable and Housing.

For custom pull-pull, push-pull or bracing wire designs, this kit includes 30 feet (9,1 M) of .032" (0,81 mm) Brass Plated Stainless Steel Cable, Nylon Housing and eight thru hole 2-56 Brass Couplers. 185 lb. breaking strength.  
Kit No. S522



## Gold-N-Rod Application Guide

Application	Models under 10 lbs.	Larger Models
Elevator, Rudder, Tailwheel	503/504, 505/506, 508/514, 520, 521	517/518, 521
Ailerons, Flaps	503, 507, 508	580, 508, 515
Throttle	507, 508	507, 508
Nosegear, Retracts	505, 508, 515	508, 515
Powerboat Rudder/ Outboard Steering	508, 517, 515, 511	521, 515, 519
Sailboat Rudder, Sail	508, 584, 517, 511	515, 521, 517/518, 519
Accessories	505/506, 508/514	508/514, 515, 511, 519

# Model Products

## Electronic Onboard Glow Plug Driver.

This onboard glow driver features an on/off button for starting, and easy one button set point programming for automatic operation. It can work with battery voltages from 1.2V to 12V and compensates for voltage and condition. The set point is stored in nonvolatile memory until changed. The green LED light indicates plug working properly, and also indicates a bad glow plug, connection, or battery by flashing on the panel. The unit does not require a Y-Harness; just plug the driver into the throttle channel and plug the servo into the driver. Includes M056 Head Lock connector. M/F Micro Deans connectors supplied for battery hook up. Only weighs 34g.

Single Cylinder No. M060  
Twin Cylinder No. M061



Single & Twin Glow Panel

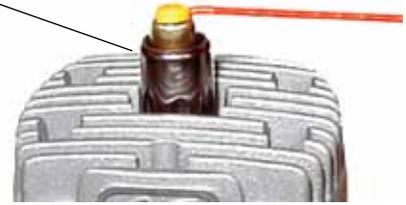
**Multi Cylinder Onboard Glow Driver.** Similar to our single (M060) and twin (M061), this glow driver is for 3, 4 and 5 cylinder glow engines. M/F Micro Dean connectors supplied for battery hook up. Only weighs 56g.



Multi Cylinder Glow Control Panel

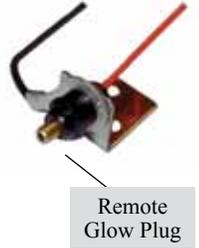
For Three Cylinder Engine No. M062  
For Four Cylinder Engine No. M063  
For Five Cylinder Engine No. M064

High Temp Insulators



## Head Lock Remote.

Head Lock Remotes are permanently installed in the model, and have a remote glow plug that can be accessed away from the engine and prop. They utilize the push-and-twist lock to stay securely on the glow plug. Fit all standard glow plugs. Comes complete with power wire, ground wire, remote glow plug connector and mounting bracket.



Single Cylinder No. M021  
Twin Cylinder No. M022  
Extended Length For 4C and heat sinks heads No. M056  
Remote Glow Plug Only No. M020

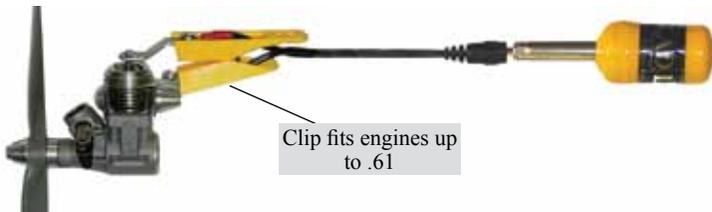
M056 Extended



## Head Lock Glow Plug Connectors.

Head Lock utilize a special spring loaded push and twist lock to stay securely on the glow during starting. They attach to a glow plug driver or any 1.2V/1.5V battery. Fit all standard glow plugs.

Standard No. M009  
Professional No. M037  
Brass Body/ 30" Cord  
Stainless Body/ 48" Cord



## 1/2A and Glow Button Adapter.

Adapts to small engines and glow buttons, allowing use of standard igniter on glow plug. Glow igniter not included.  
No. M058

# Skylite Tires

**Tail Wheels.** Solid rubber tires with machined aluminum hubs (Nylon Hub on 1/16" tire). Axle holes may be drilled out to any convenient larger size.



No.	Size	Axle	Weight
S350	1/2" x 3/16" (12,7 mm x 4,8 mm)	1/16" (1,5 mm)	0.04 Oz/1,0 g
S351	3/4" x 5/16" (19,0 mm x 7,1 mm)	1/16" (1,5 mm)	0.07 Oz/2,0 g
S352	1" x 3/8" (25,4 mm x 9,7 mm)	1/16" (1,5 mm)	0.16 Oz/4,5 g
S353	1-1/4" x 1/2" (31,8 mm x 12,7 mm)	1/16" (1,5 mm)	0.37 Oz/10,5 g
S354	1-1/2" x 17/32" (38,1 mm x 15,0 mm)	1/16" (1,5 mm)	0.58 Oz/16,5 g
S355	1-11/16" x 5/8" (43,2 mm x 16,5 mm)	1/8" (3,2 mm)	0.74 Oz/20,1 g

**"SkyLite" Light Weight Wheels.** Made with a unique molding process, "Skylite" wheels have a light urethane foam interior covered with a smooth, tough outer skin. As a result, these realistic looking wheels are unusually light yet highly resistant to wear and compression set. No inflation is required. Nylon hubs may be drilled out to the next larger axle size.



No.	Size	Axle	Weight
S872	1-3/4" x 11/16" (44 mm x 17 mm)	1/8" (3,0 mm)	0.43 Oz/12 g
S873	2" x 3/4" (51 mm x 19mm)	1/8" (3,0 mm)	0.51 Oz/15 g
S874	2-1/4" x 13/16" (57 mm x 21 mm)	5/32" (4,0 mm)	0.79 Oz/22 g
S875	2-1/2" x 15/16" (64 mm x 23 mm)	5/32" (4,0 mm)	0.96 Oz/27 g
S876	2-3/4" x 1-1/16" (70 mm x 27 mm)	5/32" (4,0 mm)	1.38 Oz/39 g
S877	3" x 1-1/8" (76 mm x 29 mm)	5/32" (4,0 mm)	1.69 Oz/48 g
S879	3-1/2" x 1-3/16" (89 mm x 30 mm)	3/16" (4,5 mm)	2.39 Oz/68 g
S881	4" x 1-3/8" (102 mm x 35 mm)	3/16" (4,5 mm)	3.13 Oz/89 g
S882	4-1/2" x 1-9/16" (114 mm x 40 mm)	3/16" (4,5 mm)	4.29 Oz/122 g
S883	5" x 1-3/4" (127 mm x 45 mm)	3/16" (4,5 mm)	5.44 Oz/154 g



**"SkyLite" Large Scale Light Weight Wheels with Aluminum Hubs.** Two-piece removable aluminum hubs have a Delrin center bearing. Hubs include pockets for optional ball bearing. Tires are scale in shape, tread design and lettering.



**"SkyLite" Light Weight Wheels and Aluminum Hubs.** Two-piece removable aluminum hubs have a Delrin center bearing. Hub is available separately (fits Skylite tires 3-1/2" to 5") and preassembled in 3-1/2" and 4" Skylites. Weights and dimensions are the same as nylon hub Skylites above.

- S850 Hub Only
- S851 3-1/2" Tire with Hub
- S852 4" Tire with Hub
- S853 4-1/2" Tire with Hub
- S854 5" Tire with Hub

No.	Size	Axle	Weight
S885	6" x 1-3/4" (152 mm x 44 mm)	1/4" (6,0 mm)	9.63 Oz/273 g
S887	7" x 2" (178 mm x 51 mm)	1/4" (6,0 mm)	13.93 Oz/395 g

**Wheel Pant Attachment Bracket.** Simple, rugged design holds any wheel pant in place. Clamping pressure can be adjusted from moveable to rigid. Easily installed and adjusted.

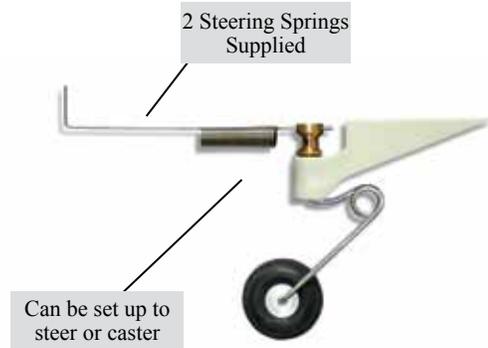
- For 5/32" (4,0 mm) Axles No. S888
- For 3/16" (4,8 mm) Axles No. S889
- For 1/4" (6,4 mm) Axles No. S890



# Landing Gear

**Steerable Tail Wheel Bracket.** Springs absorb both ground bumps and steering shocks to protect models and rudder servos. Easy to install with only two bolts! (Tail wheel not included).

No.	For Models Weighing	Axle Size
S859	2 to 6 Pounds (1 Kg to 3 Kg)	1/16" (1,6 mm)
S860	5 to 12 Pounds (2 Kg to 5 Kg)	5/64" (2,0 mm)
S861	10 to 22 Pounds (4 Kg to 10 Kg)	3/32" (2,4 mm)
S862	16 to 35 Pounds (7 Kg to 16 Kg)	1/8" (3,2 mm)



**Nose Gear.** Made from plated 5/32" diameter music wire. Special "knuckle" design absorbs shocks. Extended leg for more adjustment range. Includes bearing block, steering arm and hardware. Tire not included. No. S865



**Hard Drawn Music Wire.** Corrosion resistant finish.

Number	Size
S252	.025" (0,64 mm) by 36" (91,4 cm)
S253	.032" (0,81 mm) by 36" (91,4 cm)
S254	.045" (1,14 mm) by 36" (91,4 cm)
S255	.063" (1,60 mm) by 36" (91,4 cm)
S256	.093" (2,36 mm) by 36" (91,4 cm)
S257	.125" (3,18 mm) by 36" (91,4 cm)
S259	.075" (1,91 mm) by 36" (91,4 cm)
S260	.156" (3,96 mm) by 36" (91,4 cm)
S261	.187" (4,75 mm) by 36" (91,4 cm)

# Motor Mounts

## Flex-Mounts.

Vibration absorbing motor mount for two cycle engines attaches the engine directly to the firewall with bonded Lord Mounts and eliminates the weight and space of a standard motor mount.

- Kit For .35 to .50 size engines (1.28 oz)
- .35 to .50 Plate Only
- .35 to .80 Isolators Only
- Kit For .50 to .80 size engines (1.38 oz)
- .50 to .80 Plate Only
- Kit For .80 to 1.20 size engines (4.67 oz)
- .80 to 1.20 Plate Only
- .80 to 1.20 Isolators Only

- No. S275
- No. S276
- No. S277
- No. S278
- No. S279
- No. S281
- No. S282
- No. S283



Simple, light mounts are easy to install

## Clamp Style Motor Mount.

Steel clamps hold engine securely to cast aluminum motor mount. No holes to drill. S271 for .30 to .50 (6,6 ccm) size engines. S272 for .50 to .75 (9,8 ccm) size engines.



# Control Line Products



**Ready To Use Control Lines Non-Metallic Tufstrand (Kevlar®).** Two ready to use lines on a storage reel with all necessary fittings.

No.	Wire Diameter	Line Length	Max. Engine
S106	Kevlar® Fiber	35 Feet (10,67m)	.49
S107	Kevlar® Fiber	52 Feet (15,85m)	.49
S108	Kevlar® Fiber	60 Feet (18,29m)	.61
S110	Kevlar® Fiber	85 Feet (25,91m)	.61



**Ready To Use Control Lines Seven Strand Stainless Steel.** Two ready to use lines on a storage reel with all necessary fittings.

No.	Wire Diameter	Line Length	Max. Engine
S127	.008" (0,20mm)	26 Feet (7,92m)	.075
S128	.012" (0,30mm)	35 Feet (10,67m)	.09
S129	.012" (0,30mm)	52 Feet (15,85m)	.09
S130	.012" (0,30mm)	60 Feet (18,29m)	.09
S131	.015" (0,38mm)	52 Feet (15,85m)	.19
S132	.015" (0,38mm)	60 Feet (18,29m)	.29
S133	.015" (0,38mm)	70 Feet (21,34m)	.29
S134	.018" (0,46mm)	52 Feet (15,85m)	.49
S135	.018" (0,46mm)	60 Feet (18,29m)	.49
S136	.018" (0,46mm)	70 Feet (21,34m)	.49

**Storage Reel.** Four inch (10,16cm) storage reel for all control lines.  
No. S163



**Control Line Handle.** With easy line length and 4 line spacing adjustment.  
No. S167



### Control Line End Kits.

Brass Thimbles and crimp sleeves.  
No. S143



### Line Connectors.

40 Pound test. No. S148  
80 Pound test. No. S149



**Control Line Handle.** With easy line length adjustment. Fully Assembled.  
No. S166



**Lead Out Cable Kits.** Seven strand stainless steel.

Class A and B (.027" Wire) No. S145  
Class C and D (.036" Wire) No. S146



# Other Sullivan Products



**Latex Surgical Tubing.** Primarily used as an elastic tubing to launch sailplanes. Packaged in fifty foot (15m) rolls.

5/32" OD No. S203  
7/32" OD No. S204

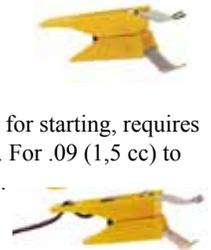
### Deluxe Chicken Stick.

For hand starting of all model airplane engines. Protects fingers from propeller nicks and cuts.  
No. S245



### Glow Plug Klip.

Fits onto glow plug for starting, requires 1.2V - 1.5V battery. For .09 (1,5 cc) to .60 (9,8 cc) engines.  
No. S181



### Glow Plug Klip With Wires and Terminals.

For .09 (1,5 cc) to .60 (9,8 cc) engines.  
No. S183



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