

CABLE – FORKS – PUSHROD FITTINGS



CONTROL CABLE

Galvanized - MIL-DTL-83420 replaces MIL-2-83420
Stainless - MIL-DTL-83420 replaces both Galvanized & Stainless

Cable Dia. (In.)	Con-struction	Breaking Strength		Part Number		Price/Ft.	
		Galv.	Stainless	Galv.	Stainless	Galv.	Stain- less
1/16	7x7	480 lbs.	480 lbs.	05-03600	05-03500	\$0.50	\$0.58
1/16	7X19	--	480 lbs.	---	05-15069	---	\$1.10
3/32	7x7	920 lbs.	920 lbs.	05-03800	05-03700	\$1.05	\$0.64
3/32	7x19	1000 lbs.	920 lbs.	05-04000	05-03900	\$1.10	\$1.99
1/8 (Right Lay)	1x19	2100 lbs.	2100 lbs.	---	05-04100	---	\$1.08
1/8	7x19	2000 lbs.	1760 lbs.	05-04400	05-04300	\$1.35	\$1.52
5/32 (Right Lay)	1x19	--	3300 lbs.	---	05-04500	---	\$1.84
5/32	7x19	2800 lbs.	2400 lbs.	05-04800	05-04700	\$1.27	\$1.54
3/16	7x19	4200 lbs.	3700 lbs.	05-05000	05-04900	\$1.48	\$2.10
1/4	7x19	7000 lbs.	6400 lbs.	05-05200	05-05100	\$1.89	\$3.35

COATED CONTROL CABLES

Description	Part No.	Price/ft.
1/16" 7x7 Black Coated Stainless Steel	15-06042	\$0.79

PRESTRETCHED CABLES

Prestretched cables are a product where the cable has been placed under a load in a reel to reel supplemental operation where either a 50% or 60% load, depending on either Stainless(50%) or Galvanized(60%) material, for a 5 second period. This is done in accordance with MIL-DTL-5688.

Cable Dia.	Con-struction	Galv. Strength	SS Strength	Galv. Part No.	Galv. Per Ft.	SS Part No.	SS Per Ft.
1/16"	7X7	480	480	05-11286	\$0.62	05-11445	\$0.97
3/32"	7X7	920	920	05-11287	\$0.86	05-11446	\$1.33
3/32"	7X19	1000	920	---	---	05-11447	\$1.56
1/8"	7X19	2000	1760	05-11289	\$1.37	05-11448	\$2.20

CABLE FAIRLEADS



PN-05-05700
Less 15% for 12 or more.



Nylon construction for external use. Two halves with retaining clip.
3/4" O.D. x 3/4" L
P/N 05-05500 \$3.30 Set

3/4" O.D. x 1" L
P/N 05-05600 \$3.40 Set

Clips Only
P/N 05-05700 \$0.56 Ea.

SEE TOOL SECTION FOR CABLE TENSIOMETERS



PIPER J-3 CABLE FAIRLEAD

Cable Fairleads are ideal for homebuilts and others. Fits standard 7/8" x .058 round tube. Sold as a set. FAA Approved.....P/N 05-15051\$2.60

WING STRUT ADJUSTMENT FORK & BARREL SETS

Conforms to AD. 81-25-05. The heavy-duty, high tensile strength strut fork has rolled threads, an improved alloy with heartier design for added strength, and a permanent identification mark to provide assurance of conformity for ease in field installation. Forks require a five year inspection per A.D. 93-10-06.



FAA/PMA. J-3 & PA-11. Replacement for 13770-00. Includes bolt, nut, cotter pin & jam nut. Measures 5/16" bolt hole. Measures 7/16" x 20 thread NF3.
P/N 05-06000\$104.75



FAA/PMA. J-5 & PA-12, 14, 18, 20 & 22. Replacement for 4481-02. Includes bolt, nut, cotter pin & jam nut. 3/8" bolt hole. Measures 7/16" x 20 thread.
P/N 05-06100\$94.75



PIPER J-3 WING STRUT BARRELS

P/N 05-22928\$59.75

CONTROL CABLE SPECIFICATIONS

- **7 X 7 FLEXIBLE CONTROL CABLE** - Has seven strands of seven wires each. Used for control purposes where extreme flexibility is not required but where abrasion is a factor.
- **7 X 19 FLEXIBLE CONTROL CABLE** - Has seven strands of 19 wires each. Its greater metallic area makes it stronger than 7 x 7 cable. Because of its fine wires the best service is obtained where abrasion is not too severe. These same wires, however, make it flexible to meet severe bending.
- **1 X 19 NON-FLEXIBLE CABLE** - Is one strand of 19 wires. It has more metallic area than 7 x 7 or 7 x 19 constructions which makes it the strongest but also the least flexible. 1 x 19 is generally used for bracing purposes, drag and anti-drag wires. It is often used with swage type terminals.
- The major difference between aircraft and commercial cable is the lubrication applied to aircraft cable, which provides substantially better fatigue life than non-lubricated commercial cable. Aircraft cable requires extensive extra testing, documentation, certification to meet military specifications. Aircraft Spruce obtains its aircraft cable from domestic sources and the cable is certified to MIL Spec MIL, W-83420 and QPL Certified.

CESSNA FLIGHT CONTROL CABLES



These FAA-PMA approved cable assemblies are available in stainless or galvanized cable and are constructed of highest quality U.S. made materials. All components are fully traceable and each assembly is load tested and length stabilized. Over 2000 cable assemblies in stock. Custom cable assemblies can be fabricated to your specification.

- **AS0510105 Series for Cessna 170, 172, 180, 182, and 185**
- **AS0400107 Series for Cessna 150, and 152**
- **AS1660300 Series for Cessna 188**
- **AS62701 Series for Piper PA28, PA32, and PA34**
- **ACA Series for Schweizer G-164**

Call the Cessna/Piper parts specialist at 1-877-4SPRUCE with your Cessna or Piper cable assembly part number for pricing or for assistance in determining the part number you require for your aircraft.

BEECH FLIGHT CONTROL CABLES



McFarlane Beechcraft flight control cables and chains are coated with a corrosion inhibiting compound that meets Military Specification MIL-PRF-16173. This is the same compound used on all factory original Beechcraft flight control cables.FAA/PMA

Model	Part No.	Price
MCNAS30327-0590 Tab Actuating	05-04625	\$167.95
MCNAS30434-1520	05-04624	\$195.95
MCNAS30434-1520	05-04624	\$195.95
MC33-524000-17	05-06981	\$251.95
MC35-524385	05-06985	\$194.95
MC35-524651-1	05-06986	\$171.75
MCNAS31414-1871	05-06987	\$140.75
MCNAS31514-1871	05-06988	\$138.75
MCNAS30425-0100	05-06989	\$120.90



PUSHROD THREADED END FITTING

Fits 5/8" diameter pushrods. 1/4 - 28 threaded hole. Secure to aluminum pushrod with two cross riveted or bolted fasteners. Made from 6061-T6 5/8" diameter x 1-5/8" long rod. Two sizes available.

Fits: 5/8" x .049" tubeP/N 05-01140\$11.50
Fits: 5/8" x .058" tubeP/N 05-01150\$11.50



PUSHROD BALL ROLLER GUIDES

Provides almost frictionless push - pull and rotary movement of aileron and elevator push rods. Design is similar to that used in German sailplanes. Unit contains four nylon roller balls and provides 3.5" pushrod travel. Aluminum case size, 1.25" x 3.0" long. Fits 5/8" diameter pushrods.

P/N 05-01110\$12.50 ea.



PUSHROD FORKED END FITTING

Fits 5/8" diameter pushrods. 3/16" pivot hole with .090" wide slot for bellcrank. Secure to aluminum pushrod with two cross riveted or bolted fasteners. Made from 6061-T6 5/8" diameter x 2-3/8" long rod. Two sizes available..Fits: 5/8" x .049" tube.....P/N 05-01120\$12.50 ea.
Fits: 5/8" x .058" tubeP/N 05-01130\$12.50 ea.

RUDDER CABLE FAIRING SETS FOR RV'S



Pre-formed .025" thick aluminum fairings for rudder cable exit on RV fuselages. (None are supplied with the RV kits). Set contains (2) identical fairings - 1 for use on cables and 1 spare (could be used on elevator trim). Each will require some trimming to fit before riveting.

P/N 12-00635\$14.85

AP