

HOSE - HOSE FITTINGS - ASSEMBLIES

EATON 816 & 8891 HOSE FITTINGS USED WITH EATON 601 HOSE



Eaton 816 straight hose fittings and 8891 90° hose fittings consist of a pre-assembled nut/nipple assembly and an internally threaded hose socket. The size 4 fitting has a cadmium plated steel nut and nipple. Sizes 6, 8 and 10 nuts and nipples, and all sizes of sockets, are anodized aluminum. Note: Eaton 816 fittings are not the same as AN816 fittings. Include the word "Eaton" with Part number when ordering.

Part No.	Tube Size	Thread	Price	Part No.	Tube Size	Thread	Price
816-4	1/4	7/16-20	---	8891-4	1/4	7/16-20	---
816-6D	3/8	9/16-18	---	8891-6D	3/8	9/16-18	---
816-8D	1/2	3/4-16	---	8891-8D	1/2	3/4-16	---
816-10D	5/8	7/8-14	---	8891-10D	5/8	7/8-14	---
816-12D	3/4	1-1/16	---	8891-12D	3/4	1-1/16	---
816-16D	1	1-5/16-12	---	8891-16D	1	1-5/16-12	---
816-20D	1-1/4	1-5/8-12	---	8891-20D	1-1/4	1-5/8-12	---
816-32D	2	2-1/2	---				

*Corresponds to tube O.D. of AN-type flared tube fittings. Not an Eaton dimension. ** Same thread size as AN818 nut of same dash no. Less 10%, 6 - 11 Eaton fittings; Less 15%, 12 - 24 Eaton fittings; Less 20%, 25 or more Eaton Fittings May be assorted sizes and types.

EATON FIRE SLEEVE



Eaton Firesleeve was specially developed to meet the fire resistance requirements of FAATSO - C53a OR TSO - C75. May be used for all fuel, oil, hydraulic, fire extinguisher & propeller feathering lines. "Fire-proof" hose lines as defined by FAA must withstand a direct flame for fifteen minutes under specified flow conditions without failure. "Fire-resistant" lines must withstand a 5-minute exposure under these conditions. "Fire-proof" hose lines are obtained when the proper size Eaton Firesleeve is selected from the chart below and properly assembled. 900591B Clamps - used to secure firesleeve material on each end over the basic hose assembly. See chart for correct size.

900591B-1C Clamp I.D.= 1"P/N 05-02653
900591B-2C Clamp I.D.= 1.5"P/N 05-02652
900591B-3C Clamp I.D.= 2"P/N 05-02654

Part No.	Use with Hose #		900591B Clamp Dash #	Price Per Ft.	Part No.	Use with Hose #		900591B Clamp Dash #	Price Per Ft.
	303	601				303	601		
AE102-8	-3	-4	-1C	---	AE102-16	-10	-10	-3C	---
AE102-9	-4	-5	-2C	---	AE102-18	-12	-	-3C	---
AE102-10	-5	-	-2C	---	AE102-20	-	-12	-3C	---
AE102-12	-6	-6	-2C	---	AE102-22	-16	-16	-3C	---
AE102-14	-8	-8	-2C	---	AE102-24	-	-	-3C	---

Quantity Discounts Same As Eaton Hose

Firesleeve Clamp Installation Tool - Band Width: 1/4 in - 3/8 in
P/N 05-00447

EATON AE466

Integral silicone firesleeves on Teflon 666 hose assemblies.



This hose/sleeve combination meets the test requirements of TSO-C53A Type D and TSO-C75 Type IIIA and IIIB. The Silicone sleeve is applied directly onto the metal braid an fittings to form a smooth, tight bond. Hose flexibility is not impaired. Non-age sensitive for extra-long service life. Eliminates the use of band clamps.

Temperature range -65°F to +450°F. Specify hose size and length of assembly in inches and eighths of an inch from sealing surface to sealing surface. Available in blue, brown, orange, or purple. Purple is lightweight.

Call 877-4-SPRUCE (777823), or email
info@aircraftspruce.com for pricing and availability.

Size	Aeroquip Part No.	Size	Aeroquip Part No.
-3	AE3663161BXXXX	-8	AE3663161HXXXX
-4	AE3663161EXXXX	-10	AE3663161JXXXX
-5	AE3663161FXXXX	-12	AE3663161KXXXX
-6	AE3663161GXXXX		

EATON 8846 HOSE FITTINGS

Eaton 8846 45° Fitting. Swivel Flared UNJF Threads - Little Gem Reusable Fittings are noted for their outstanding performance as a result of a unique lipseal design concept. During assembly the nipple spur cuts a lip in the tube stock of the hose forming the fluid seal.



Part No.	Tube Size	Thread	Price
8846-6D	3/8	9/16-18	---
8846-8D	1/2	3/4-16	---
8846-10D	5/8	7/8-14	---
8846-12D	3/4	1-1/16-12	---
8846-16D	1	1-5/16-12	---
8846-20D	1-1/4	1-5/8-12	---

EATON 601/AE701 HOSE

An inner tube of seamless, specially formulated synthetic rubber reinforced with a stainless steel partial inner braid and full-coverage stainless steel outer braid. Operating temperature -65 to 300°F. Eaton 601 hose is widely used for aircraft fuel and oil lines where flexibility and light weight are prime considerations. Because of its lighter weight and lower operating pressure than type 303 hose, it is not recommended for hydraulic lines. Use with Eaton 816 hose fittings. Eaton 601/AE701 is a direct replacement for old 601 hose. AE701 hose has no shelf life and is the upgraded version of 601 hose.

Hose Part No.*	For Tubing Size	Hose I.D.	Max. Oper. Pressure** (PSI)	Wt. per Ft. (Lb.)	Price Per Ft.
601-4	1/4	7/32	1500	.114	---
601-6	3/8	11/32	1500	.155	---
601-8	1/2	7/16	1200	.170	---
601-10	5/8	11/16	1200	.207	---

* Corresponds to dash no. of Eaton 816 hose fittings. ** Safety factor of 4.

CUSTOM EATON 666 TEFLON HOSE ASSEMBLIES



Eaton Teflon hose is constructed with a conductive, seamless smooth bore inner tube covered with a stainless steel braid. Unattracted by fuel, oil, coolants and solvents used in aircraft systems. Service and shelf life of Eaton Teflon hose is unlimited for all practical purposes. They can be used in fuel, hydraulic and pneumatic applications at working pressures to 1500psi. Minimum burst pressures are 8000 psi sizes -3 to -8. Temperature range is -65° to +450° F. Hose assemblies prices are straight to straight. Call for 45° and 90° elbow pricing. Measurements are taken as follows:

Fittings	Measurement
Straight to Straight	End to end (overall length)
Straight to 45°	End of straight fitting to top of b-nut on 45° fitting
Straight to 90°	End of straight fitting to center of 90° fitting
45° to 45°	Top of b-nut on 45° fitting to Top of b-nut on 45° fitting
45° to 90°	Top of b-nut on 45° fitting to center of 90° fitting
90° to 90°	Center of 90° fitting to Center of 90° fitting

Call 877-4-SPRUCE (777823), or email at info@aircraftspruce.com for pricing and availability.

Size	Eaton Part No.	Size	Eaton Part No.
-3	AE3660000BXXXX	-8	AE3660000HXXXX
-4	AE3660000EXXXX	-10	AE3660000JXXXX
-5	AE3660000FXXXX	-12	AE3660000KXXXX
-6	AE3660000GXXXX		

CUSTOM CONDUCTIVE TEFLON HOSE ASSEMBLIES

Stainless braid conductive Teflon hoses are among the highest quality aircraft hoses that exist. Not "Certified" but are similar in construction to high end certified aircraft hoses. Used extensively on Experimental Aircraft. To use these on a certified aircraft, please discuss with your mechanic and see AC 23-27. Rated continuous working pressure is between 2,000 and 3,000 PSI depending on dia. Rated Bursting pressure is between 8,000 and 12,000 PSI. ALL hoses are pressure tested prior to shipment. Stainless Steel Fittings are used on all hoses. Typical uses for Aircraft with 300hp and less. (Please make sure that hose diameter is suitable for your application) 3 (Primer and Brake lines) 4 (Brake Lines, Oil and Fuel Pressure lines, and certain fuel lines) 6 (Fuel Lines) 8 (Oil Lines).

See these hose assemblies at www.aircraftspruce.com for price and availability.

BLACK SILICONE FIRE SLEEVE



This black silicone fire sleeve has a temperature range of -65°F to +2000°F. The 5/8" I.D. Fits all E185, E225 & O-300 engine breather tubes. The 3/4" I.D. fits O-470 I/O470 breather tubes. Sold by the foot.

1/4".....P/N 05-06832
5/8".....P/N 05-00672
3/4".....P/N 05-04549

BLUE FIRE SLEEVE



1/2 ID size for wires or other sizes for wire insulation or firesleeve for aircraft hose assembly. Colors: Blue

Size	Part No.	Price
1/2"	05-04712	---
5/8"	05-04713	---
3/4"	05-04714	---