

# HOSE - HOSE FITTINGS - ASSEMBLIES

## AEROQUIP 816 & 8891 HOSE FITTINGS USED WITH AEROQUIP 601 HOSE



816-4

Aeroquip 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: Aeroquip 816 fittings are not the same as AN816 fittings. Include the word "Aeroquip" with Part number when ordering.

| Aeroquip 816 |            |       | Aeroquip 8891     |          |            |
|--------------|------------|-------|-------------------|----------|------------|
| Part No.     | Price Each | Size* | Nut Thread Size** | Part No. | Price Each |
| 816-4        | .          | 1/4   | 7/16-20           | 8891-4   | .          |
| 816-6D       | .          | 3/8   | 9/16-18           | 8891-6D  | .          |
| 816-8D       | .          | 1/2   | 3/4-16            | 8891-8D  | .          |
| 816-10D      | .          | 5/8   | 7/8-14            | 8891-10D | .          |

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

## AEROQUIP FIRE SLEEVE



Aeroquip 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 Aeroquip 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 | P/N 05-02653 |
| 900591B-2C | P/N 05-02652 |
| 900591B-3C | 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                  | .             |          |                 |     |                      | .             |

Quantity Discounts Same As Aeroquip Hose

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

Economy Firesleeve Clamp Tool - for 3/8" or 1/4" roll band.  
P/N 12-00684

## AEROQUIP 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 or brown.

Call 877-4-SPRUCE (444823), or email  
info@aircraftspruce.com for pricing and availability.

| Size | Aeroquip P/N   | Size | Aeroquip P/N   |
|------|----------------|------|----------------|
| -3   | AE3663161BXXXX | -8   | AE3663161HXXXX |
| -4   | AE3663161EXXXX | -10  | AE3663161JXXXX |
| -5   | AE3663161FXXXX | -12  | AE3663161KXXXX |
| -6   | AE3663161GXXXX |      |                |

## SILICONE HOSE



Temp. range -65°F to +350°F. Color; Blue

| ID   | OD    | Wt / Ft. (Lb.) | Part No. | Price / Ft |
|------|-------|----------------|----------|------------|
| 1/4" | 0.45" | .064           | 05-00659 | .          |
| 3/8" | 0.67" | .144           | 05-00660 | .          |
| 5/8" | 0.95" | .220           | 05-00661 | .          |
| 3/4" | 1.07" | .276           | 05-00671 | .          |

## BLACK SILICONE FIRE JACKET



This black silicone fire jacket has a temperature range of -65°F to +2000°F AND IS 5/8" I.D. Fits all E185-E225 & IO-470 breather tubes.

P/N 05-00672

## AEROQUIP 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 -40° to 300°F. Aeroquip 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 Aeroquip 816 hose fittings. Aeroquip 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      | 1,000                       | .120              | .             |
| 601-6          | 3/8             | 11/32     | 1,000                       | .156              | .             |
| 601-8          | 1/2             | 7/16      | 1,000                       | .168              | .             |
| 601-10         | 5/8             | 11/16     | 1,000                       | .204              | .             |

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

## CUSTOM AEROQUIP 666



## TEFLON HOSE ASSEMBLIES

Aeroquip 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 Aeroquip 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 (444823), or email at info@aircraftspruce.com for pricing and availability.

| Size | Aeroquip P/N   | Size | Aeroquip P/N   |
|------|----------------|------|----------------|
| -3   | AE3660000BXXXX | -8   | AE3660000HXXXX |
| -4   | AE3660000EXXXX | -10  | AE3660000JXXXX |
| -5   | AE3660000FXXXX | -12  | AE3660000KXXXX |
| -6   | AE3660000GXXXX |      |                |

## AEROQUIP MS28741 CUSTOM RUBBER HOSE ASSEMBLIES

All hose assemblies are special-order and non-returnable. Custom-fabricated MS28741 hose assemblies fabricated (Aeroquip #303 or 302A) from MIL-H-8794 hose and MS24587 fittings (Aeroquip #491 or equivalent). Inner Tube: seamless synthetic rubber compound Reinforcement: synthetic impregnated single-wire braid over single cotton braid Outer Cover: synthetic impregnated oil-resistant cotton braid Operating Temperatures: • 303 Hose: -65° to +250°F • 302A Hose: -40° to +250°F. See measuring instructions above.

Call 877-4-SPRUCE (444823), or email  
at info@aircraftspruce.com for pricing and availability.

## SPEEDLOX LOCKING FITTINGS

Features: \* No Wrenches Required \* NHRA Approved \* Retrofittable with existing hoses & hose ends \* Eliminates the need for a wrench to seal the connection, Just hand tight \* Eliminates cross-threading with the built in B-Nut guide \* Prevents cavitation \* Stays as a unit, no assembly required \* Protects threads from F.O.D. (Foreign Object Damage) \* Eliminates the need for safety wire \* Reduces R & R time \* Increased safety factor \* Eliminates unscheduled maintenance \* Eliminates hose twisting or binding \* Greatly reduces contamination at the connection \* Discourages over tightening the connection due to sealing system \* Allows for torsional flex without losing the seal at the connection \* Standard B-Nut is accessible to be torqued before locking, If required \* Can be made tamper proof by filling the lock ring hole with a suitable material such as silicone or epoxy \* Eliminates unnecessary contamination to the environment (leaks) \* The hose end may be "Timed" in order to position the release tang away from any vulnerable areas \* In the event an object should strike the sleeve in the unlocked position, the sleeve will absorb the impact of F.O.D. by snapping out of the unlock detent

| Size   | Thread   | Part No. | Price | Size   | Thread | Part No. | Price |
|--------|----------|----------|-------|--------|--------|----------|-------|
| SSA-3  | Straight | 04-01966 | .     | SPA-3  | Pipe   | 04-01974 | .     |
| SSA-4  | Straight | 04-01967 | .     | SPA-4  | Pipe   | 04-01975 | .     |
| SSA-6  | Straight | 04-01968 | .     | SPA-6  | Pipe   | 04-01976 | .     |
| SSA-8  | Straight | 04-01969 | .     | SPA-8  | Pipe   | 04-01977 | .     |
| SSA-10 | Straight | 04-01970 | .     | SPA-10 | Pipe   | 04-01978 | .     |
| SSA-12 | Straight | 04-01971 | .     | SPA-12 | Pipe   | 04-01979 | .     |
| SSA-16 | Straight | 04-01972 | .     | SPA-16 | Pipe   | 04-01980 | .     |
| SSA-20 | Straight | 04-01973 | .     |        |        |          |       |