

The Eaton logo is displayed in white, bold, sans-serif capital letters. The letter 'A' is stylized with a white dot in its center. The background of the top half of the page is a blue technical drawing of a complex hydraulic or pneumatic system, with various pipes, valves, and components rendered in white lines.

**Aerospace
Fluid Conveyance**

Aeroquip® Brand
STC® Connector

- **Leak-Free Connection**
- **Push to Connect**
- **No Torque Wrench Required**
- **Light Weight**



Hose Attachment Systems With STC® Connectors

Once again, Eaton leads the field by offering a leak-free hose connection system that reduces installation time, weight and the required envelope for assembly. The Aeroquip® brand STC® threadless connector snaps together with a fraction of the effort required for traditional hose installation. Eaton has tested the connection to the vigorous SAE aerospace standard AS1339, with results exceeding the minimum requirements, proving that this system is designed with quality, performance and reliability in mind. So throw away that torque wrench, make the design tighter and reduce the pounds per system.

Design Features/ Advantages

- Leak-free Connection
- Push-to-Connect
- No torque wrench required
- Light weight
- Fast/easy assembly
- Qualified to SAE AS1339
- Compatible with all standard aviation fluids
- 3000 psi Maximum Operating Pressure
- Temperature range -65° to 400° F
- Lower profile than threaded connectors

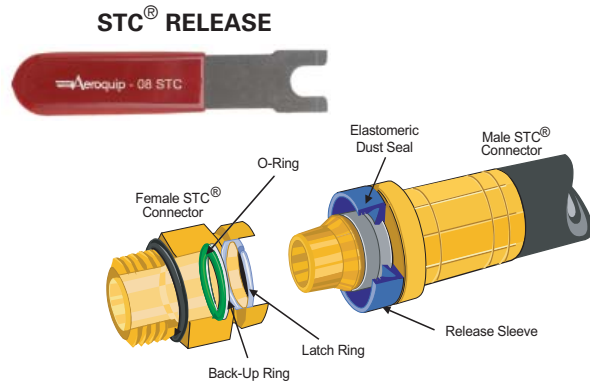
STC® Performance Data (15-5 PH)

Dash Size	Operating Pressure (psi)	Proof Pressure (psi)	Minimum Burst Pressure (psi)	Operating Temperature*
-6	3000	6000	16,000	-65° to +400°F
-8	3000	6000	14,000	-65° to +400°F
-10	3000	6000	12,000	-65° to +400°F
-12	3000	6000	12,000	-65° to +400°F
-16	3000	6000	12,000	-65° to +400°F

* The dust seal on the release sleeve is rated for ambient temperature of 400°F intermittent and 300°F continuous operation.

Female STC® Connector

Female STC® connectors for aerospace applications are made of 15-5 PH stainless steel and incorporate a male threaded o-ring boss that mates with a MS33649 threaded port. Alternative thread types are available upon request. O-rings are made of fluorocarbon to provide a wide range of fluid compatibility and resistance to high temperature.



STC® Female Connector/Adapter

Dash Size	Part Number	Thread	Type	Description
-6	AE62215G	0.5625-18	UNF-3A	Female Flared Per AS4395/15-5PH CRES
-8	AE62215H	0.7500-16	UNF-3A	Female Flared Per AS4395/15-5PH CRES
-10	AE62215J	0.8750-14	UNF-3A	Female Flared Per AS4395/15-5PH CRES
-12	AE62215K	1.0625-12	UNF-3A	Female Flared Per AS4395/15-5PH CRES
-16	AE62215M	1.3125-12	UNF-3A	Female Flared Per AS4395/15-5PH CRES
-8	AE62216H	0.7500-16	UNF-3A	Female Flareless Mates with NAS1760/15-5PH CRES
-10	AE62216J	0.8750-14	UNF-3A	Female Flareless Mates with NAS1760/15-5PH CRES
-12	AE62216K	1.0625-12	UNF-3A	Female Flareless Mates with NAS1760/15-5PH CRES
-16	AE62216M	1.3125-12	UNF-3A	Female Flareless Mates with NAS1760/15-5PH CRES
-6	AE62217G	0.5625-18	UNF-3A	Female ARC-SEAL (Beam Seal) Per MIL-F-8542/15-5PH CRES
-8	AE62217H	0.7500-16	UNF-3A	Female ARC-SEAL (Beam Seal) Per MIL-F-8542/15-5PH CRES
-10	AE62217J	0.8750-14	UNF-3A	Female ARC-SEAL (Beam Seal) Per MIL-F-8542/15-5PH CRES
-12	AE62217K	1.0625-12	UNF-3A	Female ARC-SEAL (Beam Seal) Per MIL-F-8542/15-5PH CRES
-16	AE62217M	1.3125-12	UNF-3A	Female ARC-SEAL (Beam Seal) Per MIL-F-8542/15-5PH CRES
-6	AE60865G	0.5625-18	UNF-3A	Male Threaded O-ring Boss which mates with MS33649
-8	AE60865H	0.7500-16	UNF-3A	Male Threaded O-ring Boss which mates with MS33649
-10	AE60865J	0.8750-14	UNF-3A	Male Threaded O-ring Boss which mates with MS33649
-12	AE60865K	1.0625-12	UNF-3A	Male Threaded O-ring Boss which mates with MS33649
-16	AE60865M	1.3125-12	UNF-3A	Male Threaded O-ring Boss which mates with MS33649

AE246/AE313 Hose Assemblies With Male STC® Connectors

A	B	Dash Sizes	Assembly Base
		-6 thru -12	AE2464450
		-16	AE1014331
		-6 thru -12	AE2464451
		-16	AE1014332
		-6 thru -12	AE2464452
		-16	AE1014333
		-6 thru -12	AE6764
		-16	AE6767
		-6 thru -12	AE6765
		-16	AE3768
		-6 thru -12	AE6766
		-16	AE6769

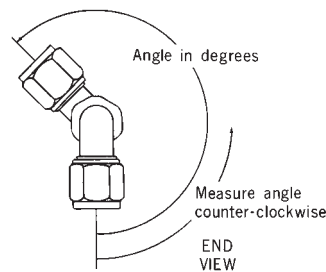
STC® Release Tool Part Numbers

Base Part No.	Size
S1421 - 6	-6
S1421 - 8	-8
S1421 - 10	-10
S1421 - 12	-12
S1421 - 16	-16

How To Complete Hose Assembly Part Numbers

The part numbers shown here represent standard configurations with materials, markings and cleaning requirements conforming to the related military or aerospace standards as they apply. If your requirements differ from these standards, the hose assemblies

you order will be assigned new customer specific part numbers by Eaton.



On assemblies with an elbow fitting on each end, measure the orientation angle as shown to the left. Add the angle measurement as a suffix to the base part number. In all cases, the angle should be expressed in 3 digits. For example, 90° should be written 090. If the angle desired is 0°, specify 000.

Example of Eaton Part Number

AE2464450H0242-270

Base Part Number & Hose Size Code	AE2464450
Length of Assembly in Inches	H0242
Fraction of an Inch in Eighths	270
Hose Size Code Line <small>Breaks the lines, not the part number.</small>	-
Orientation Angle in 1° increments	

This part number format is consistent with the SAE AS part number format.

Hose Dash Size	6	8	10	12	16
Letter Code	G	H	J	K	M

Hose assembly length "L" is measured from the center of the ends of the male STC® fittings.

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For information regarding Eaton's STC products shown in this brochure, contact the 300 South East Avenue facility at (517) 787-8121.

For information on other products and services, contact any of the Eaton Fluid Conveyance locations listed on this page.

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