



## AE318 4000 PSI Wire Braid Reinforced Teflon\* Hose

### Qualified to AS614B\*\*

Aeroquip AE318 4000 psi Teflon hose is designed to perform for the life of today's advanced aircraft. The hose was originated for use on the high pressure hydraulic systems contained onboard the Rockwell B1B strategic bomber and currently being used on the Northrop B-2. Aeroquip AE318 hose is qualified to AS614B as well as both Rockwell and Northrop specifications.

The hose reinforcement consists of strong stainless steel wire braids in the -4 size and a combination wire braid and spirally applied steel wire wraps in the -6 through -20 sizes. The extruded Teflon tube has a tough, smooth texture which is compatible with practically all fluids used in aerospace applications. Aeroquip Teflon hose has essentially zero moisture absorption and a virtually unlimited service and shelf life. It has a wide temperature range of -65°F to +400°F (-54°C to +204°C) to accommodate

temperature extremes. The conductive Teflon tube prevents electrostatically induced hose failures.

Aeroquip AE318 hose is available in -4, -6, -8, -10, -12, -16 and -20\*\* sizes. Dash 4 hose assemblies use Aeroquip designed *“super-C”*™ fittings featuring the reliable lipseal principle. The balance of sizes use the performance proven compression crimp fitting concept. Both fitting styles are available with flared, flareless or Dynatube+ separables types to mate with MS33656, M33514 or Dynatube fittings. In addition, elbow fittings are available in standard 45° and 90° styles. Compound elbow tubes are available on request. This product is also available with polyester outer braid for abrasion resistance and silicone rubber cover for fire resistance. Contact Aeroquip Aerospace Group.

\* Teflon is a DuPont trademark.

\*\* -20 size qualified to the Northrop B-2 requirements (TR612053). AS614B does not include the -20 size.

+ Dynatube is a Resistoflex trademark.

## AE318 Hose Data

Hose Size	I.D. Min. (Inch/mm)	O.D. Max. (Inch/mm)	Proof Pressure (PSIG/Bar)	Operating Pressure (PSIG/Bar)	Min. Bend Radius	Weight (Lbs/Ft/ Kg/m)
-4	<b>.212</b> 5.385	<b>.470</b> 11.938	<b>8,000</b> 552	<b>4,000</b> 276	<b>3.00</b> 76.20	<b>.193</b> .287
-6	<b>.298</b> 7.569	<b>.580</b> 14.732	<b>8,000</b> 552	<b>4,000</b> 276	<b>5.00</b> 127.00	<b>.276</b> .411
-8	<b>.391</b> 9.931	<b>.710</b> 18.034	<b>8,000</b> 552	<b>4,000</b> 276	<b>5.75</b> 146.05	<b>.368</b> .548
-10	<b>.500</b> 12.700	<b>.800</b> 20.320	<b>8,000</b> 552	<b>4,000</b> 276	<b>6.50</b> 165.10	<b>.560</b> .833
-12	<b>.681</b> 17.297	<b>1.055</b> 26.797	<b>8,000</b> 552	<b>4,000</b> 276	<b>7.75</b> 196.85	<b>.826</b> 1.230
-16	<b>.875</b> 22.225	<b>1.320</b> 33.528	<b>8,000</b> 552	<b>4,000</b> 276	<b>9.63</b> 244.60	<b>1.303</b> 1.940
-20	<b>1.110</b> 28.194	<b>1.590</b> 40.386	<b>8,000</b> 552	<b>4,000</b> 276	<b>12.50</b> 317.50	<b>1.600</b> 2.380

Inches, PSIG and Lbs/Ft in bold type. Millimeters, Bars, and Kg/m in light type.



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