



AEROQUIP INNOVATIONS

SAE 100R7 Thermoplastic Hose

QUALIFIED WITH GLOBAL SKIVE CRIMP FITTINGS

Aeroquip's SAE 100R7 thermoplastic hose styles, FC372 and FC373, are now qualified for use with global skive crimp fittings. The hose and fittings are qualified to meet SAE J517 requirements. The qualification mates Aeroquip's most diverse fitting with the 100R7 thermoplastic hose line.

Applications

- Hydraulic system service with petroleum, fire-resistant and water-based fluids; and fuel, pneumatic (FC372 only) and lubricating systems

Features

- Crimped with standard metric crimp jaws
- Less flow restriction (nipple collapse) than swage fittings
- Available in -3, -4, -5, -6, -8, -12 and -16 sizes

Benefits

- Fitting cost reduction up to 40%
- Easy to assemble
- Common fitting in inventory
- Provides wider selection of terminal ends and configurations



Specifications



FC372 POLYON™/THERMOPLASTIC SAE 100R7

| Part Number | Hose I.D. INCHES | Hose O.D. INCHES | Maximum Operating Pressure PSI | Minimum Burst Pressure PSI | Minimum Bend Radius INCHES | Weight Per Foot POUNDS |
|-------------|---------------------|---------------------|-----------------------------------|-------------------------------|-------------------------------|---------------------------|
| # | | | | | | |
| FC372-02 | .13 | .33 | 2500 | 10000 | .50 | .05 |
| FC372-03 | .19 | .44 | 3000 | 12000 | .75 | .06 |
| FC372-04 | .25 | .53 | 2750 | 11000 | 1.25 | .09 |
| FC372-05 | .31 | .59 | 2500 | 10000 | 1.75 | .10 |
| FC372-06 | .38 | .66 | 2250 | 9000 | 2.00 | .12 |
| FC372-08 | .50 | .83 | 2000 | 8000 | 3.00 | .17 |
| FC372-10 | .63 | .94 | 1500 | 6000 | 4.00 | .19 |
| FC372-12 | .75 | 1.07 | 1250 | 5000 | 5.00 | .22 |
| FC372-16 | 1.00 | 1.32 | 1000 | 4000 | 8.00 | .28 |

| | | | |
|-------------|--|------------------------|------------------------|
| Hose | Construction Materials | Reinforcement | Fittings |
| FC372 | Thermoplastic elastomer tube and black perforated polyurethane cover | Single polyester braid | Global skive and swage |



FC373 POLYON™/THERMOPLASTIC SAE 100R7 NONCONDUCTIVE

| Part Number | Hose I.D. INCHES | Hose O.D. INCHES | Maximum Operating Pressure PSI | Minimum Burst Pressure PSI | Minimum Bend Radius INCHES | Weight Per Foot POUNDS |
|-------------|---------------------|---------------------|-----------------------------------|-------------------------------|-------------------------------|---------------------------|
| # | | | | | | |
| FC373-02 | .13 | .33 | 2500 | 10000 | .50 | .05 |
| FC373-03 | .19 | .44 | 3000 | 12000 | .75 | .06 |
| FC373-04 | .25 | .53 | 2750 | 11000 | 1.25 | .08 |
| FC373-05 | .31 | .59 | 2500 | 10000 | 1.75 | .09 |
| FC373-06 | .38 | .66 | 2250 | 9000 | 2.00 | .10 |
| FC373-08 | .50 | .83 | 2000 | 8000 | 3.00 | .16 |
| FC373-12 | .75 | 1.07 | 1250 | 5000 | 5.00 | .22 |
| FC373-16 | 1.00 | 1.32 | 1000 | 4000 | 8.00 | .27 |

| | | | |
|-------------|--|------------------------|------------------------|
| Hose | Construction Materials | Reinforcement | Fittings |
| FC373 | Thermoplastic elastomer tube and orange, non-perforated polyurethane cover | Single polyester braid | Global skive and swage |

WARNING: It is important to use the correct fitting with any hose product to ensure a proper connection. Only use the fittings suggested by Aeroquip for this hose product. Mixing fittings and hose by different manufacturers can lead to an unstable connection due to the difference in manufacturing techniques and tolerances. Such connections can fail with the potential for spraying and causing personal injury or property damage.



Eaton Aeroquip
Industrial Division
3000 Strayer Road, P.O. Box 631
Maumee, Ohio 43537-0631
419/867-2600, Fax: 419/867-2629
www.aeroquip.com



Specifications subject to change without notice