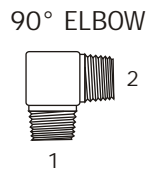
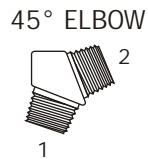




| Part Number | Thread One | Thread Two |
|-------------|-------------------|-------------------|
| TG-1000 | 1/4" Male JIC 37° | 1/4" Male JIC 37° |
| TG-1010 | 3/8" Male JIC 37° | 3/8" Male JIC 37° |
| TG-1020 | 1/2" Male JIC 37° | 1/2" Male JIC 37° |
| TG-1030 | 1/4" Male JIC 37° | 1/4" Male NPT |
| TG-1040 | 3/8" Male JIC 37° | 3/8" Male NPT |
| TG-1050 | 1/2" Male JIC 37° | 1/2" Male NPT |



| Part Number | Thread One | Thread Two |
|-------------|-------------------|--------------------------------|
| TG-2000 | 1/4" Male JIC 37° | 1/4" Male JIC 37° |
| TG-2010 | 3/8" Male JIC 37° | 3/8" Male JIC 37° |
| TG-2020 | 1/2" Male JIC 37° | 1/2" Male JIC 37° |
| TG-2030 | 1/4" Male JIC 37° | 1/4" Male NPT |
| TG-2040 | 3/8" Male JIC 37° | 3/8" Male NPT |
| TG-2050 | 1/2" Male JIC 37° | 1/2" Male NPT |
| TG-2060 | 1/4" Male JIC 37° | 1/4" Male NPT—Long |
| TG-2070 | 3/8" Male JIC 37° | 3/8" Male NPT—Long |
| TG-2080 | 1/2" Male JIC 37° | 1/2" Male NPT—Long |
| TG-2090 | 1/4" Male BSPT | 1/4" Male BSPP |
| TG-2100 | 3/8" Male BSPT | 3/8" Male BSPP |
| TG-2110 | 1/2" Male BSPT | 1/2" Male BSPP |
| TG-2120 | 1/4" Male BSPT | 1/4" Male BSPP (Inverted Cone) |



| Part Number | Thread One | Thread Two |
|-------------|-------------------|--------------------------------|
| TG-3000 | 1/4" Male JIC 37° | 1/4" Male JIC 37° |
| TG-3010 | 3/8" Male JIC 37° | 3/8" Male JIC 37° |
| TG-3020 | 1/2" Male JIC 37° | 1/2" Male JIC 37° |
| TG-3030 | 1/4" Male BSPT | 1/4" Male BSPP (Inverted Cone) |

Other configurations are available upon request.

Manufactured by Bridgestone/Flowtech US PatentNo. 5150924
 Protected by the Following Patents: Japanese PatentNo. 2019468
 European PatentNo. 0310234
 Australian PatentNo. 596318

Warning

TechniGripp hose and fittings are carefully designed to be of the highest-quality workmanship. TechniGripp product life expectancy is directly affected by the conditions to which it is subjected. Use of TechniGripp products in applications more severe than the recommended limits will significantly reduce its service life. Due to the variety of operating conditions and applications for these products, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met. Hose assemblies in service should be inspected regularly for signs of wear or damage. Worn or damaged assemblies should be replaced immediately.

TechniGripp assemblies must be used and assembled in strict accordance with ATP's instructions and are subject to ATP's limitations. The use of products other than ATP's may produce assemblies that will not meet our strict guidelines for safety and performance. Failure to follow ATP's instructions and limitations, or use of products that are not ATP's, may lead to hose failures which could result in equipment or property damage, serious injury or even death.

ATP's limited warranty shall apply only if the customer uses hose and fittings specifically engineered, designed and produced to ATP's specifications. ATP disclaims any responsibility or liability for damages resulting from any hose assemblies not produced entirely from ATP hose and fittings, and/or not conforming with ATP's specifications for each hose assembly.

The products described herein, including and without limitation, product features, specifications, applications, designs, availability and pricing, are subject to change by ATP at anytime and without notice.

Contact ATP or Your Local Distributor
 for Pricing and Availability Today! 

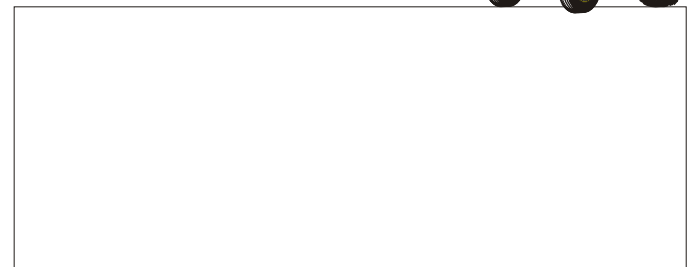


Visit us on the Web @
www.atp4pneumatics.com

PO Box 335 Phone: 937.349.4055
 12740 State Route 4 Fax: 937.349.4155
 Milford Center, OH 43045-0335 E-Mail: info@atp4pneumatics.com

Distributed By:

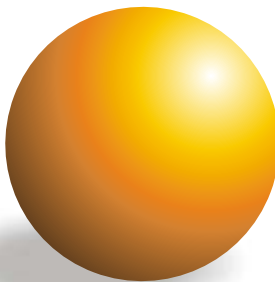
Catalog No. 1198
 Rev. 07-01



| Part Number | Description |
|-------------|-------------------|
| T-100 | Tube Cutter |
| T-100 Blade | Replacement Blade |



ATP recommends the T-100 for cutting our TechniGripp hose. The T-100 provides a quick, clean cut in an exact cross section, ensuring a leak-free connection.



TechniGripp

Hydraulic Push-to-Connect Fitting



TechniGripp

Gripps Like A Pit Bull



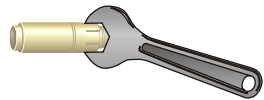
Hydraulic Push-to-Connect Fitting

IT'S THE DAWNING OF A NEW AGE IN HYDRAULIC HOSE ASSEMBLIES.

ATP, in cooperation with Bridgestone/Flowtech, is proud to introduce the TechniGripp Hose Assembly System. This unique system allows on-site fabrication of factory spec, low pressure hydraulic hose assemblies using common tools found in every toolbox.

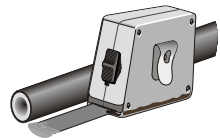
It's Just 5 Easy Steps

1



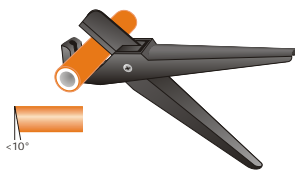
INSTALL THE TECHNIGRIPP FITTING
Use a wrench to screw the fitting into the port.

2



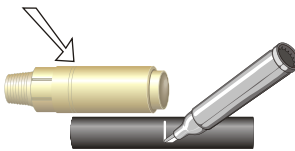
DETERMINE THE HOSE LENGTH
Determine the amount of hose needed for your application. The TechniGripp is designed to allow approximately 5/8" hose movement from the end of the fitting when the hose is pressurized. Be sure to add this amount to your requirements. The hose will rotate freely within the fitting prior to pressurization.

3



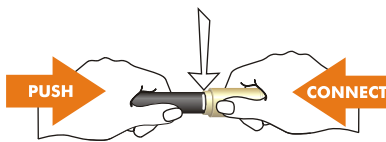
CUT THE HOSE
Using a hand-held cutter, cut the hose at the desired length. To ensure that the hose does not leak, make sure the cut is at a right angle, and at no more than a 10° angle.

4



MARK THE HOSE
To ensure that the hose has been fully inserted into the fitting, align the end of the hose to the groove at the base of the fitting. Mark the hose at the end of the fitting with a permanent or ink marker.

5



INSERT THE HOSE
Remove the plastic plug. Make sure the hose and fitting are free from grease and debris. Fully insert the hose into the fitting until the mark is in line with the end of the fitting. NOTE: When using a hose clamp, it must be placed at least 20 inches from the end of the TechniGripp fitting to allow for normal expansion and contraction. Once the TechniGripp hose has been installed into the fitting, it cannot be removed.

Some have called this system revolutionary. When you consider the benefits the TechniGripp System offers...



- No expensive crimping or swaging machinery required.
- No external power source required.
- No more pin-type or thread-type reusable fittings.
- Repairs done on-site save money by reducing costly down time.
- No expensive inventory of pre-made assemblies—just reels of hose and fittings.
- Around-the-clock availability for repairs—no dependence on a repair facility.
- A finished product tested to 400,000 impulse cycles.

...We think revolutionary is an understatement.



Farm Machinery

Automatic Car Washes

Automobile Haulers

Construction Equipment

Forestry Equipment

Hydraulic Tools

Lift Trucks

Marine Industry

Mobile Equipment

Street Sweepers

Bucket Trucks

Sewer Equipment

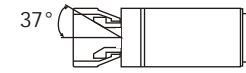
Power Washers

MALE NPTF RIGID FITTING



| Part Number | Hose ID | Thread Size | Fitting OD (In.) | Length (In.) | Hex (mm) |
|-------------|---------|-------------|------------------|--------------|----------|
| TG4-4MP | 1/4" | 1/4-18 | 0.83 | 2.83 | 19 |
| TG6-6MP | 3/8" | 3/8-18 | 1.00 | 2.95 | 22 |
| TG8-8MP | 1/2" | 1/2-14 | 1.25 | 3.54 | 27 |

FEMALE 37° SWIVEL FITTING—JIC



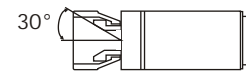
| Part Number | Hose ID | Thread Size | Fitting OD (In.) | Length (In.) | Hex (mm) |
|-------------|---------|-------------|------------------|--------------|----------|
| TG4-4FJS | 1/4" | 7/16-20 | 0.83 | 2.56 | 19 |
| TG6-6FJS | 3/8" | 9/16-18 | 1.00 | 2.68 | 22 |
| TG8-8FJS | 1/2" | 3/4-16 | 1.25 | 3.15 | 27 |

MALE BSPT RIGID FITTING—JIS B203



| Part Number | Hose ID | Thread Size | Fitting OD (mm) | Length (mm) | Hex (mm) |
|-------------|---------|-------------|-----------------|-------------|----------|
| TG4-4R | 1/4" | 1/4"-19 | 21.0 | 71 | 19 |
| TG6-6R | 3/8" | 3/8"-19 | 25.4 | 76 | 22 |
| TG8-8R | 1/2" | 1/2"-14 | 31.8 | 89 | 27 |

FEMALE 30° SWIVEL FITTING—BSPP FEMALE SEAT



| Part Number | Hose ID | Thread Size | Fitting OD (mm) | Length (mm) | Hex (mm) |
|-------------|---------|-------------|-----------------|-------------|----------|
| TG4-4F | 1/4" | 1/4"-19 | 17 | 47 | 19 |
| TG6-6F | 3/8" | 3/8"-19 | 22 | 58 | 22 |
| TG8-8F | 1/2" | 1/2"-14 | 27 | 67 | 27 |

FEMALE 30° SWIVEL FITTING—BSPP MALE SEAT (Inverted Cone)



| Part Number | Hose ID | Thread Size | Fitting OD (mm) | Length (mm) | Hex (mm) |
|-------------|---------|-------------|-----------------|-------------|----------|
| TG4-4C | 1/4" | 1/4"-19 | 21 | 66 | 19 |

TECHNIGRIPP FLEXIBLE PRESSURE HOSE

TechniGripp Flexible Pressure Hose meets or exceeds SAE 100R7 specifications. TechniGripp fittings are not for use with wire braid hose. Orange TG series hose is specifically designed for applications which require use of a non-conductive hose.



| Part Number | Hose ID Inch mm | Hose OD Inch mm | Max. W.P. psi Kgf/cm ² | Max. Impulse psi Kgf/cm ² | Min. Burst psi Kgf/cm ² | Min. Bend ID Inch mm | Weight oz/ft g/m |
|-------------|-----------------------|-----------------------|---|--|--|----------------------------|------------------------|
| TG04 | 0.250 6.350 | 0.492 12.500 | 2971 210 | 3679 260 | 11,886 840 | 1.378 35 | 1.18 110 |
| TG06 | 0.375 9.525 | 0.654 16.600 | 2264 160 | 2830 200 | 9056 640 | 1.772 45 | 1.72 160 |
| TG08 | 0.500 12.700 | 0.815 20.700 | 1981 140 | 2476 175 | 7924 561 | 2.560 65 | 2.68 250 |

Specifications:

Media.....Petroleum, Water Base & Synthetic Hydraulic Fluid
Inner Tube.....Polyester
Reinforcement.....Single Braid Polyester
Outer Tube.....Polyurethane
Temperature Range.....-22° F ± +212° F (-30° C ± +100° C)
Recommended.....-22° F ± +158° F (-30° C ± +70° C)

Please Note:

Working pressure and temperature specifications vary from traditional crimped fittings. Hose was tested at maximum impulse pressure (flatwave) for 400,000 cycles.

Add color to part number: -B = Black -O = Orange

