



## A New Line of Fittings!

Last week we were excited to receive a huge box packed full of A-N fittings and hose. Arizona TPI recently became an authorized dealer of the excellent products from Fragola Performance Systems. We're now thrilled to be able to offer these items to our customers!

As many of you know, A-N fittings are the colorful fittings that are often seen in use with the hose that has the braided stainless steel outer cover. These are popular in hotrods and show cars because of their looks and just as popular in performance applications because of their functionality and durability.

Fragola is a relative newcomer to the fitting business but company president, Frank Fragola, has a long and successful career in manufacturing. His F-F Screw Products plant is state-of-the-art and has been manufacturing products for sister company F.K. Rod Ends, among others. F-F Screw Products rolls threads on over 3,000,000 products every year so you know that they have the experience to turn out a product of exceptional quality!

These fittings and adapters are manufactured to the latest aircraft drawings and specifications. The threading process features the correct rolled, Class-3 "J" threads. The pipe threads are made to ANPT specification. All this assures that these fittings are smooth to assemble, time after time.

The hose for this product line is supplied by Parker-Hannifin, a leading supplier to the aerospace industry, and it's the best available. The synthetic rubber liner of this hose easily handles petroleum based fuels and lubricants.

Arizona TPI now has an excellent selection of -6 and -8 sized steel braided hose and hose ends and Push-Lok and Push-Lite hose and hose ends. We're also stocking some of the -4 and -10 sizes and we'll be adding more as time goes on.

Come on down to the shop and you can see these great products first hand!

## Get Racecar Plumbing For Your Car!

You've seen all the cool plumbing on the hotrods at the car show and on the racecars in the pits at the races. That would sure look great on your car also, wouldn't it? But it all seems so confusing. How do I get that look in my car? Well, Arizona TPI is here to help!

Many of the show cars and racecars that you see use what are called A-N fittings to plumb their lines. A-N stands for "Army-Navy" because the specification was developed by the military. They are designed to be durable and reusable which are qualities that are perfect for your car!



Some of the fittings available from Fragola Performance Systems

A-N fittings come in various sizes. The size is based on the number of 1/16ths of an inch in the inside diameter of the hose that's being used with the number being preceded by a dash (-). So, 3/8" hose and fittings, a very popular size for fuel lines, would be referred to as -6 because the diameter is 6/16ths of an inch. -8 fittings and hose are 1/2" (8/16ths of an inch), -10 fittings are 5/8" and 3/4" is referred to as -4.

These fittings are often used with braided stainless steel hose. This hose has high-tech inner layers that stand up to great pressure and the fluids found in your vehicle. The outside layer is braided stainless steel wire for strength and durability. It looks great too!

The hose ends that are used with steel braided hose have a collar that slides over the end of the hose. The actual hose end then slides inside the collar and its external threads thread into the collar pinching the hose. When installed properly these are very secure!

There are other types of hose and hose ends that can be used. A popular style is called Push-Lok. Push-Lok hose is made of a type of synthetic rubber with internal fibers for strength. The fittings have an exaggerated barb that pushes into the end of the hose and is very difficult to remove. For high pressure or high heat situations there is a special clamp that can be used for added security.

Finally, for all out racing, where every ounce counts, there is Push-Lite hose. The fittings for this hose are the same as for the Push-Lok hose but the hose is much lighter and has a braided synthetic covering that provides strength and resistance to abrasion.

For the ultimate in durability hard line, such as stainless steel, steel or aluminum tubing, is the best choice but it can only be used where no motion is possible between the two ends of the line. Special flare nuts and sleeves are used along with a special 37° single flare (unlike the 45° double flares used in many applications) to connect this tubing to other A-N fittings.

We always use as much hard line as possible and utilize small amounts of hose where motion is anticipated. For example, hard line is recommended when running a fuel line along the frame of a vehicle. Where the line crosses to the engine hose, is used for flexibility.

Call or come to the shop. We'll explain how to plumb your car the right way!