



Benefits of the Pyplok® MAF System

[\(www.pyplok.com\)](http://www.pyplok.com)

Product Line:

- 360° External Radial Swaged Fitting, designed and tested for over 30 years in the Aerospace Industry but now available in an Industrial Line of Products
- Proven Absolutely Leak-Free in many Marine High Pressure System Services (Military and Commercial applications)
- Completely Non-Welded Fitting Construction and light weight design
- One piece Fully Machined Fitting Body; No Sleeves or Rings producing a lighter weight fitting
- Up to 7000 PSI (4:1 Safety Factor) or 9300 PSI (3:1 Safety Factor) Allowable Working Pressure
- Complete Fitting Size Range 1/4" thru 2" NPS, 1/4" thru 2" OD Tube and 6mm thru 66mm Metric Tube in Carbon Steel, Stainless Steel, CuNi 70/30 and other materials
- Advanced Fitting End Configurations; Male & Female ORFS, JIC, SAE, BSPP and Others which can be installed using a standard hose crimp machine
- Cost Saving SAE Code 61 & SAE Code 62 Flange End Configuration Utilizes Interchangeable Fitting Body and Positional Flange
- Fitting Seal To Piping is Achieved by Combined Metal to Metal, Primary O-ring (non-metallic) Seals and Back-up/Environmental Seals
- O-ring seal technology allows PYPLOK to be installed on piping/tubing that has a less than perfect surface making the fitting ideal for maintenance jobs.
- PYPLOK can be installed on imperfect Seamless, Hot Rolled or Welded pipe/tube with OD tolerances of:

Metric Tube	+/- 0.254mm (0.010") 6mm thru 60mm
OD Tube	+/- 0.005" 1/4" thru 3/8", +/- 0.010" 1/2" thru 1 1/2"
NPS Pipe	+/- 0.015" 1/4" thru 1 1/2", +/- 0.030" 2" thru 3"

- PYPLOK is the only fitting which has an internal environmental seal preventing sea water or other external factors from entering the fitting between the end of the fitting and the tube thereby eliminating corrosion issues in this area.

- Expedient, Reliable, On-Time Product Delivery due to a large stock of standard couplings, elbows, tees and industry standard end configurations

Technical/Approvals:

- MIL 901 -D High Impact Shock Test, ISO 19921/15540 Fire Test, API 6FB Fire Test
- DNV, ABS, NAVSEA, USCG Acceptance, Canadian Coast Guard, Australian and New Zealand Navy
- (CRN) Canadian Registration No. 0A12153.5
- ANSI/ASME B31.1, B31.3
- ISO 9001.2008 Corporation
- Extensive Record of qualification and proof testing from 1982 to present

Installation:

- Light Weight, Portable Tools to swage fittings in full size range, employing same swage dies for all materials types.
- Fittings can be Swaged multiple times with no possibility of over swaging due to a mechanical stop on the swaging tool.
- Installs on NPS Schedules 10-160, Metric tube with wall thickness greater than 0.80mm and OD Tube with wall thickness greater than 0.028”
- Installs on Imperfect Pipe/Tube Surfaces; Seamless, Hot Rolled or Welded
- Fitting can tolerate pipe ends cut up to 10°-12° Off Center
- No extra sealant or paste required on rough surface material
- New advancement in fitting range allows end connectors to be installed using a hose crimper machine and no investment in specialized tooling

