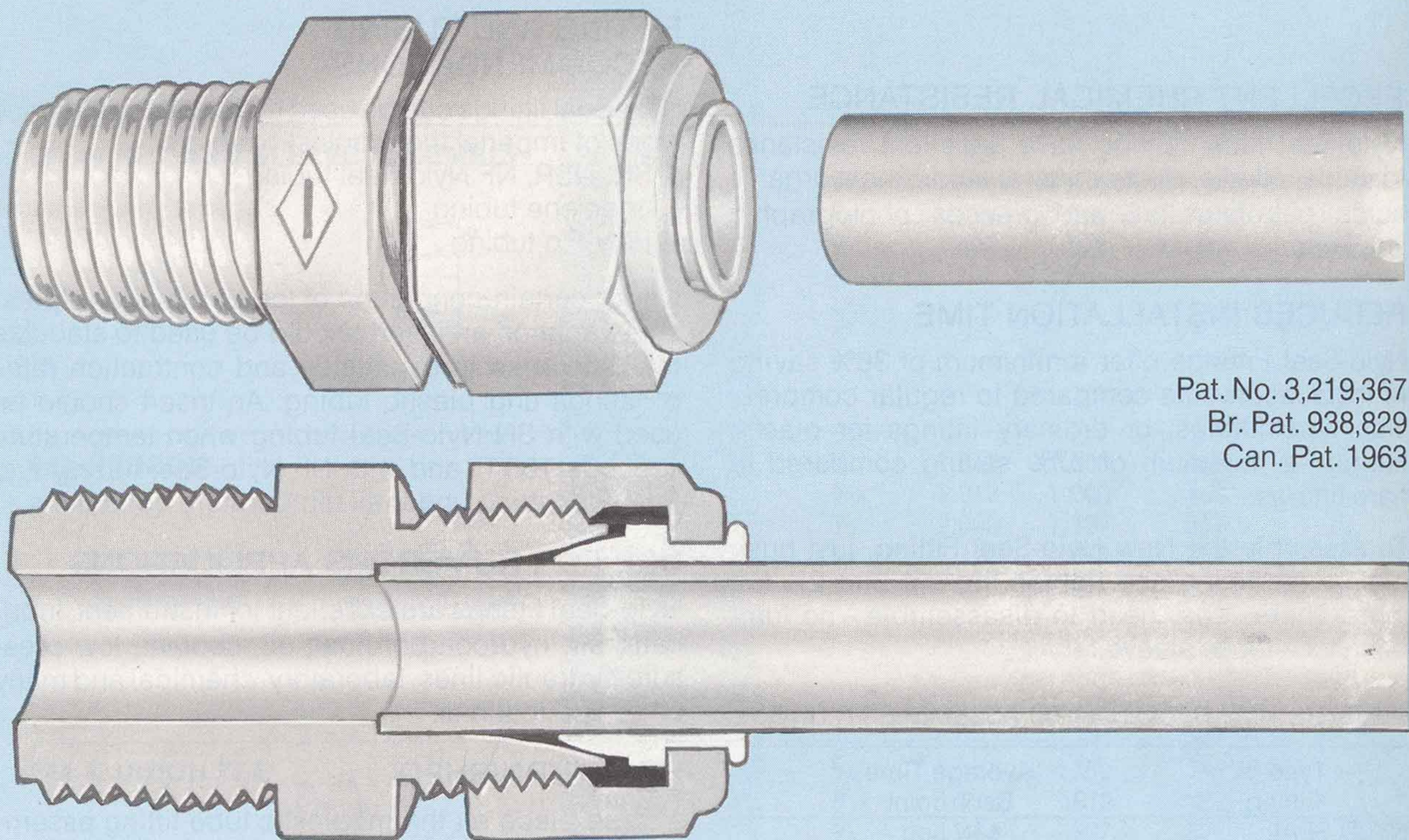


# Nylo-Seal® Flareless Tube Fittings



All thermoplastic fittings provide maximum chemical resistance and reliability.

**SIZE RANGE:** Tube: 1/4" to 1/2" O.D.  
Pipe Thread: 1/8" to 1/2" NPTF.

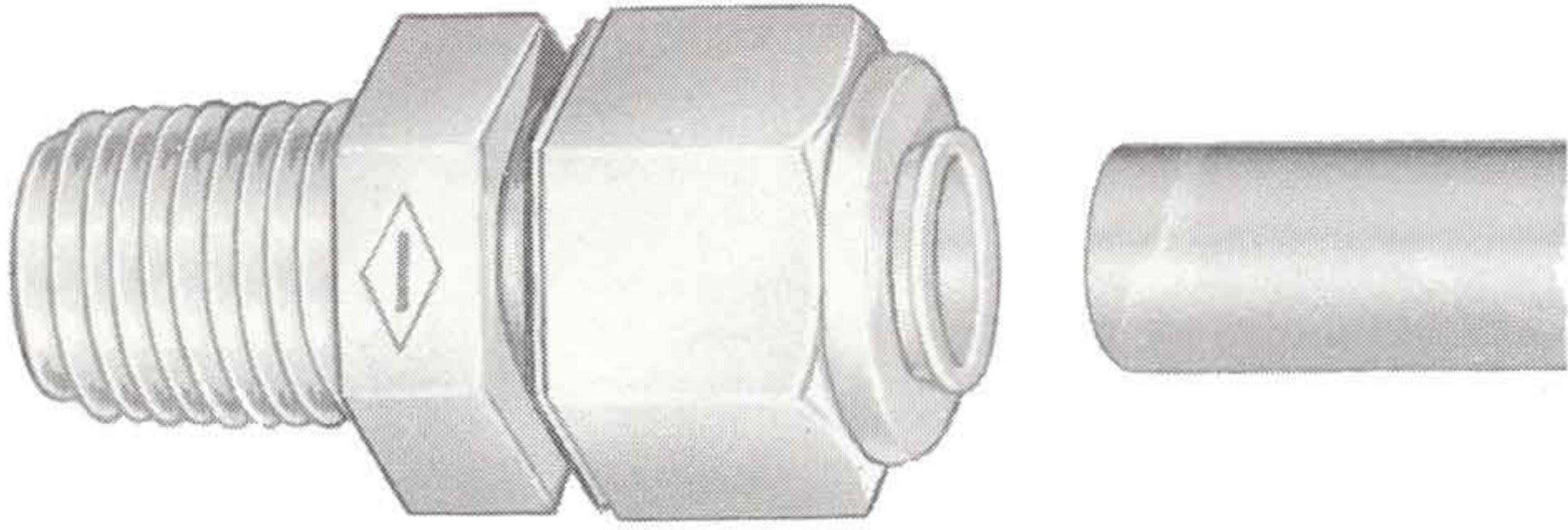
**MAXIMUM WORKING PRESSURE:** 250 psi.  
See Plastic Tubing Pressure Rating Data for Further Limitations.

**MATERIALS:** Molded Nylon Bodies and Nuts. Acetal Copolymer Sleeves (Celcon®).

**COMPATIBLE TUBING:** Nylon – Nylo-Seal; Polyallomer – Impolene;  
Polyethylene – Poly-Flo.

See following data for specific information.

# Nylo-Seal Flareless Tube Fittings



## EXCELLENT CHEMICAL RESISTANCE

Nylo-Seal tube fittings have excellent resistance to acids, alkalis, dilute mineral acids, most organic acids, petroleum oils and greases, photographic solutions.

## REDUCES INSTALLATION TIME

Nylo-Seal Fittings offer a minimum of 36% saving in installation time compared to regular compression type fittings, or ordinary fittings for plastic tubing—a minimum of 77% saving compared to flare fittings.

To assemble the New Nylo-Seal Fitting, just push tubing into fitting and tighten the nut 2 to 2½ full turns. There is no need to disassemble—no fumbling for a loose sleeve.

## AVERAGE TIME REQUIRED TO ASSEMBLE FITTINGS

Type of Fitting	Average Time Each Joint
NYLO-SEAL	11.7 sec.
Regular Compression	18.5 sec.
Flare	48.2 sec.

These studies made under shop conditions. While actual time might vary depending on field conditions, the relationship between time values should remain constant.

## NO TUBING STRESS

The Nylo-Seal fitting eliminates the problem of plastic tube twist and stress during assembly. The nut revolves around the sleeve as it is tightened, preventing torque from being transmitted to the tubing. Design of the sleeve, nut and body assures excellent sealing and complete reliability.

## MOLDED FOR STRENGTH

Nylo-Seal tube fittings are exceptionally strong and resistant to abuse. Made of molded Nylon, they are far stronger than machined fittings of similar composition. (Sleeves are made of acetal copolymer to provide maximum performance.)

## TEMPERATURES

The maximum recommended operating temperature for Nylo-Seal fittings is 200°F. for continuous service, or 250°F. intermittent operation. Maximum service temperature is limited to the factor recommended for the tubing when this is less than the temperature specified for the fitting.

## FITTING AND TUBING RECOMMENDATIONS

Nylo-Seal fittings can be used to couple the following types of Imperial thermoplastic tubing:

- SN, NSR, NF Nylo-Seal tubing
- Impolene tubing
- Poly-Flo tubing

Under certain conditions of temperature and pressure variation an insert should be used to stabilize the difference in expansion and contraction rates of fittings and plastic tubing. An insert should be used with SN Nylo-Seal tubing when temperature exceeds 180°F. and with NF Nylo-Seal tubing and Poly-Flo tubing under all temperature conditions.

## USE FOR NUMEROUS APPLICATIONS

Nylo-Seal fittings are excellent for instrument, lubricant, air, hydrocarbon fuel, oil, coolant, low pressure hydraulic lines, laboratory, chemical and many other applications.

## HOW FURNISHED

A three piece all thermoplastic tube fitting assembled with nuts and sleeves.

## MATERIALS

- Bodies and Nuts: Molded Nylon
- Sleeves: Acetal Copolymer

## PIPE THREAD

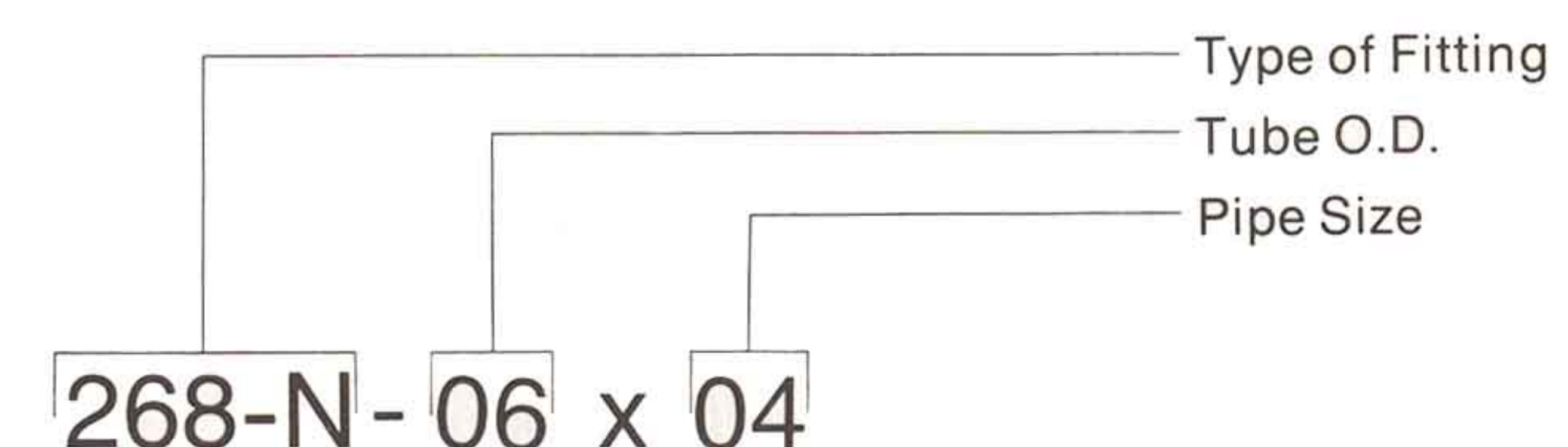
Long length Dryseal American (National) Standard Taper pipe threads.

## ORDERING INFORMATION


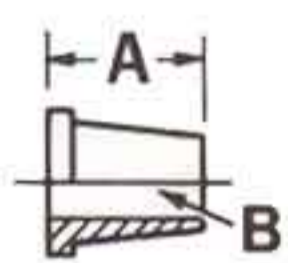

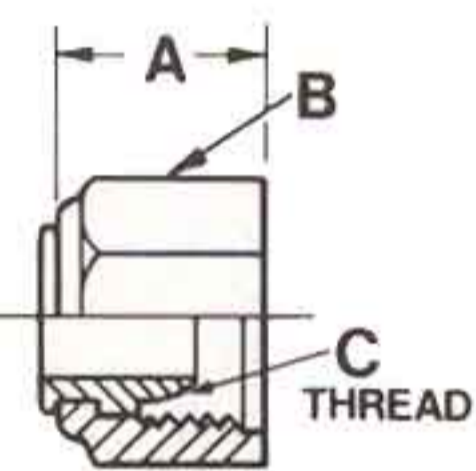

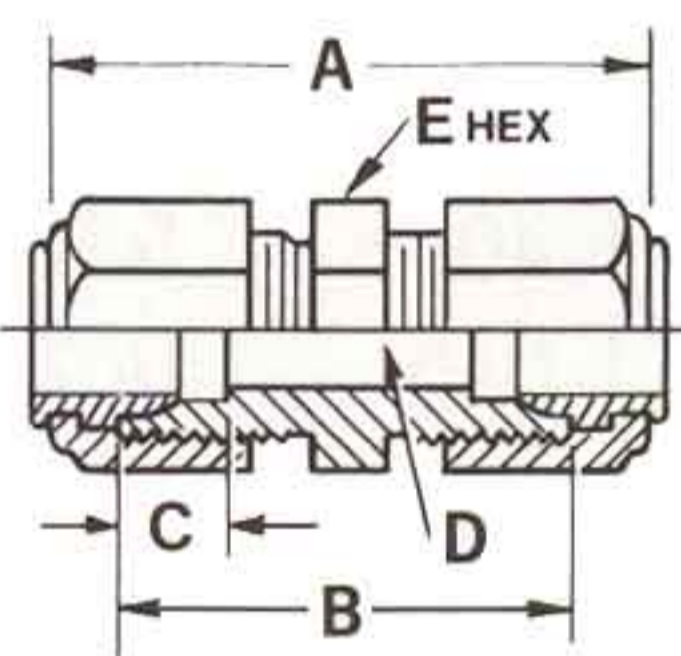

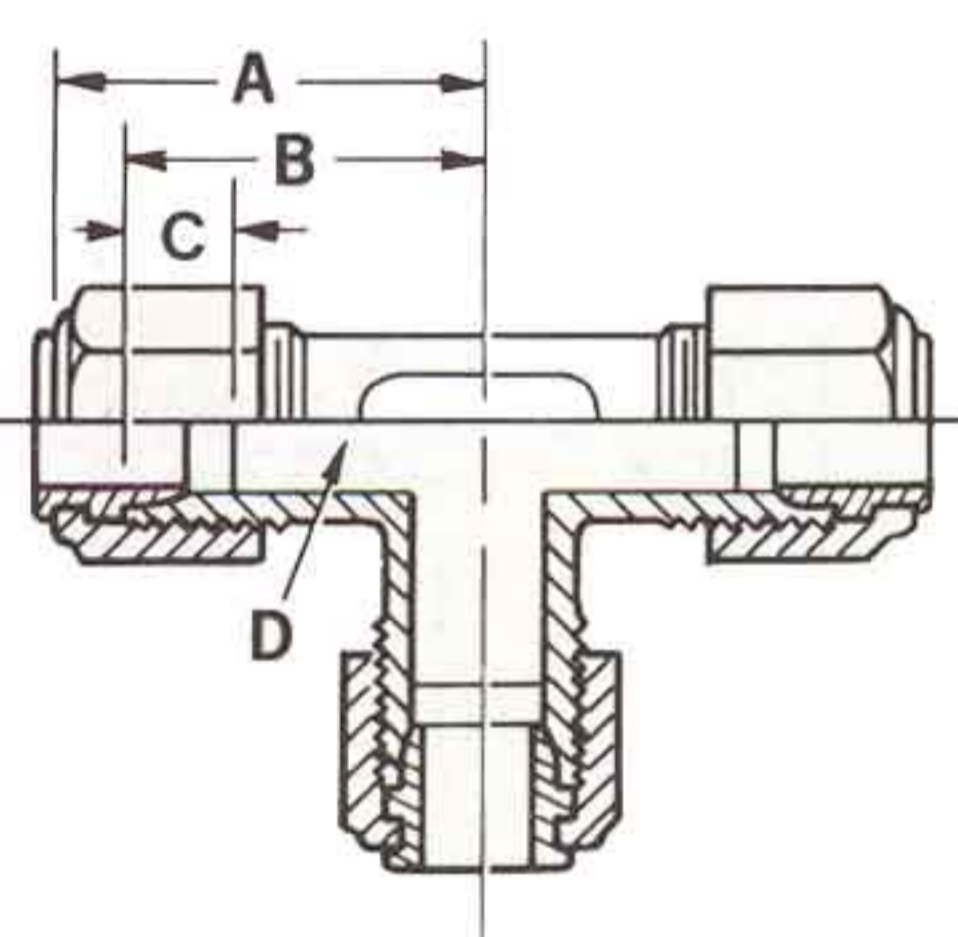

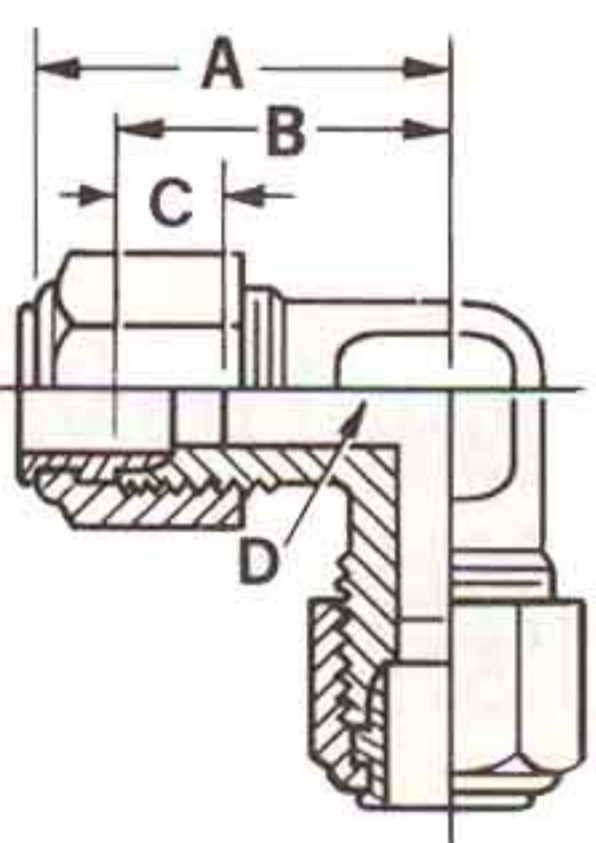

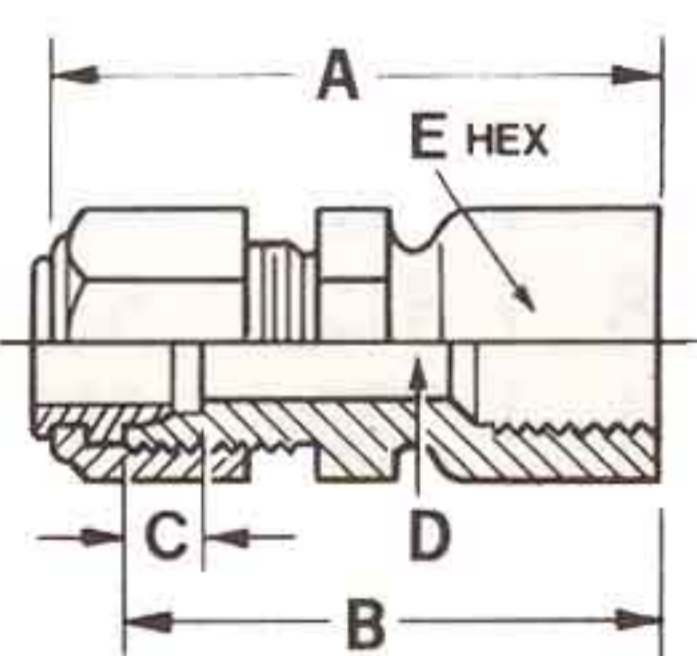
To order, simply specify catalog number for configuration and size desired.

## EXAMPLE:


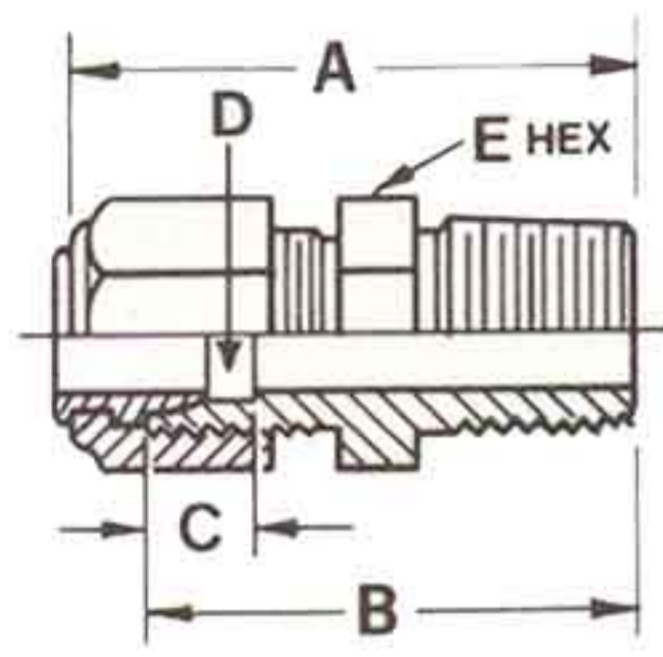

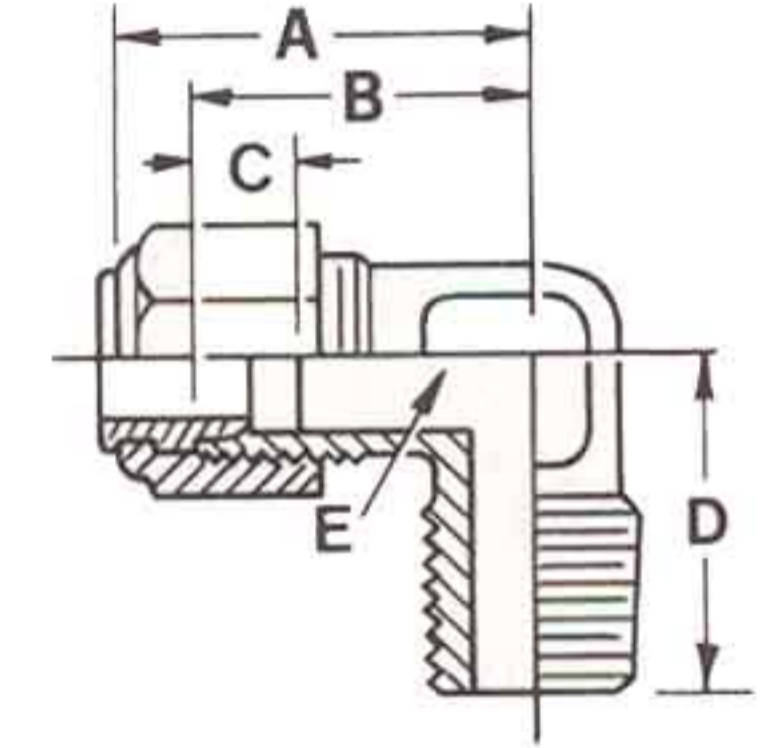

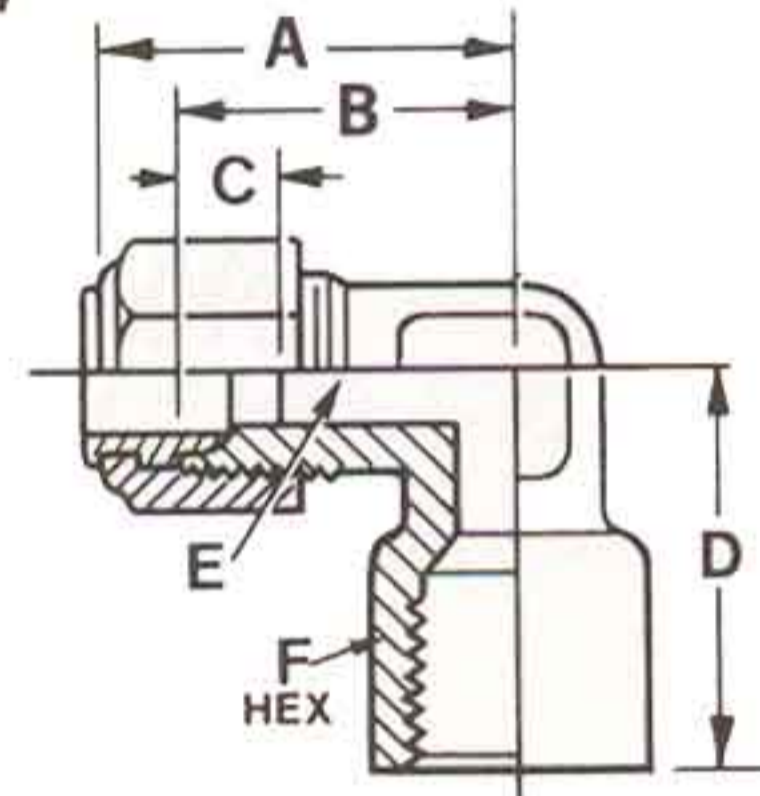

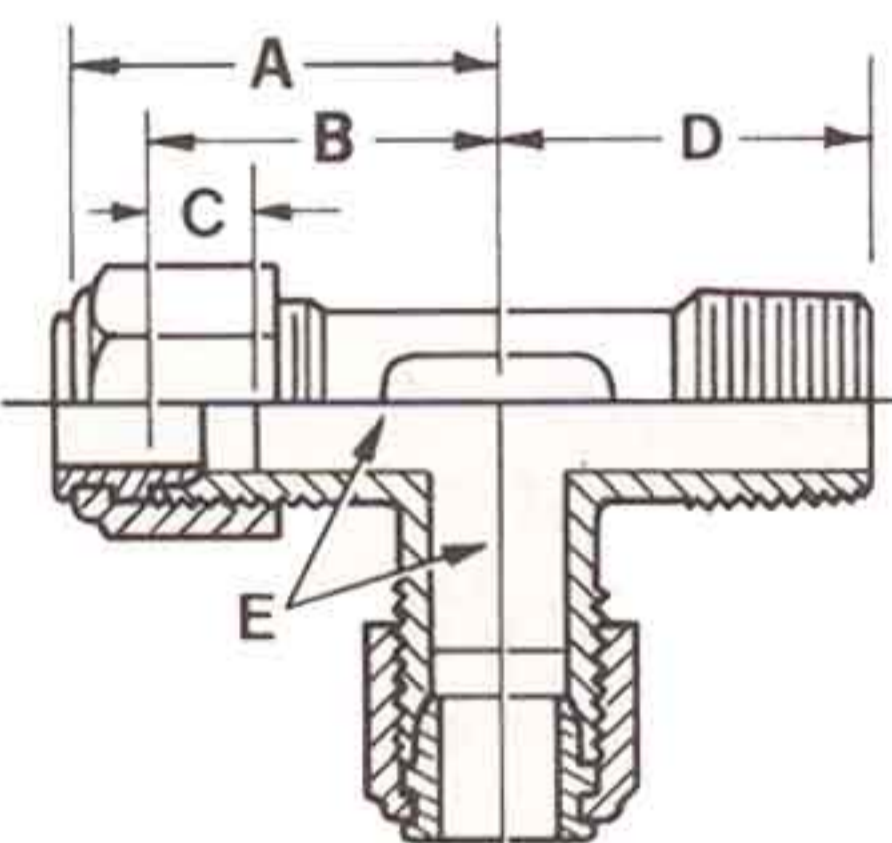

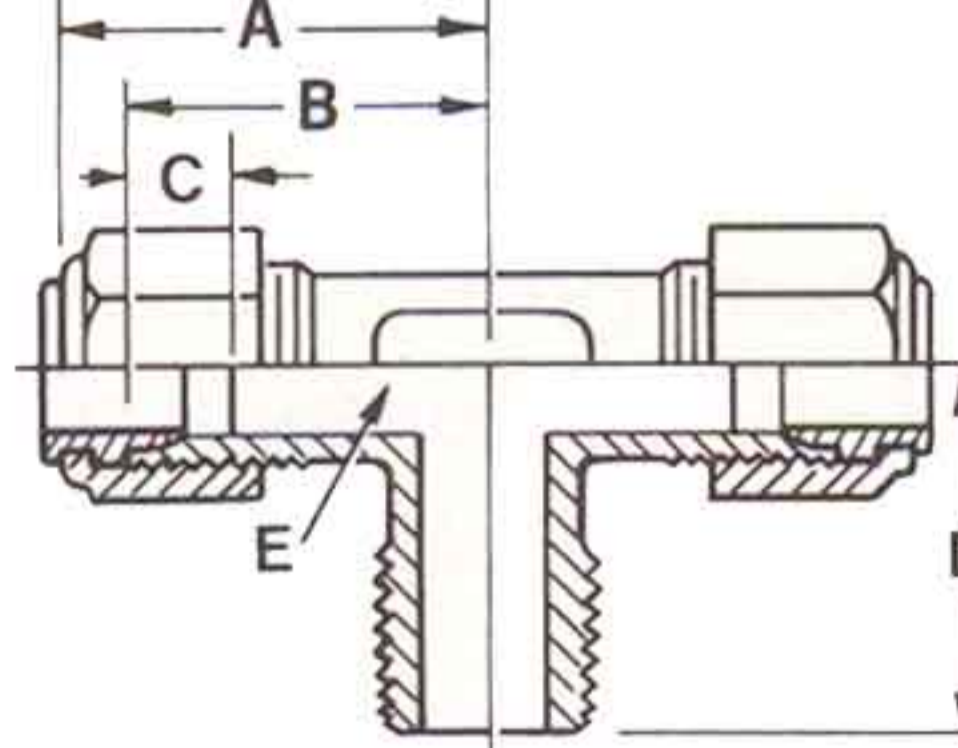

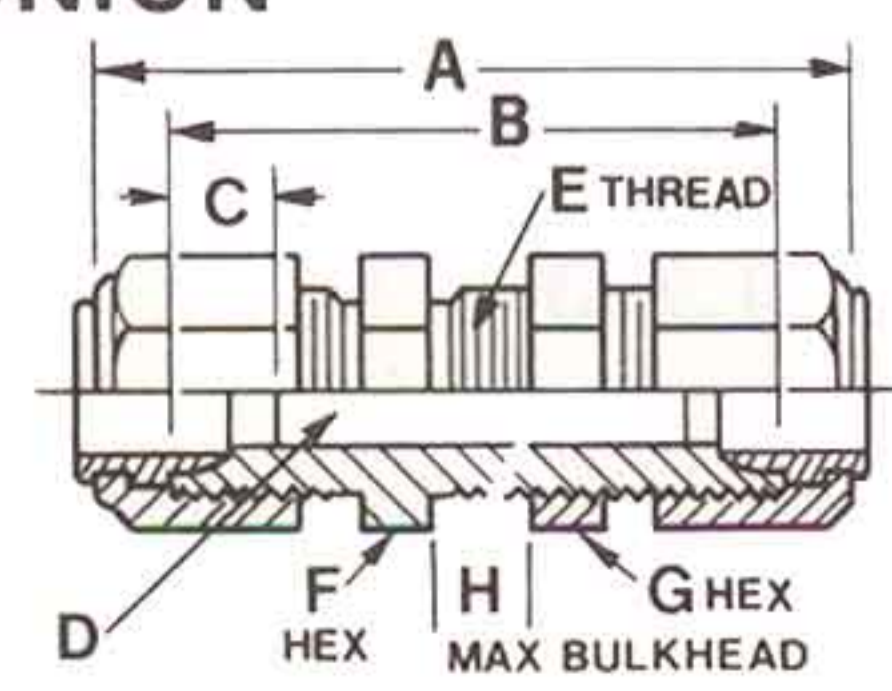
3/8" O.D. tube x 1/4" pipe thread male connector.  
268-N-06 x 04.



# Nylo-Seal Flareless Tube Fittings

		Catalog Number	Tube O.D.	A	B	C	D	E	
<b>259-N INSERT (Nylon)</b>  		259-N-04	1/4	.375	.125				
		259-N-05	5/16	.406	.141				
		259-N-06	3/8	.437	.203				
		259-N-08	1/2	.562	.297				
<b>261-N NUT AND SLEEVE ASSEMBLY</b>  		261-N-04	1/4	.468	.562	7/16-20			
		261-N-05	5/16	.515	.625	1/2-20			
		261-N-06	3/8	.578	.750	5/8-20			
		261-N-08	1/2	.609	.875	3/4-20			
<b>262-N UNION</b>  		262-N-04	1/4	1.812	1.000	.468	.218	.625	
		262-N-05	5/16	1.812	1.000	.468	.281	.687	
		262-N-06	3/8	2.000	1.187	.531	.343	.812	
		262-N-08	1/2	2.125	1.312	.593	.406	.937	
<b>264-N UNION TEE</b>  		264-N-04	1/4	1.156	.750	.468	.218		
		264-N-05	5/16	1.218	.812	.468	.281		
		264-N-06	3/8	1.406	.937	.531	.343		
		264-N-08	1/2	1.515	1.062	.593	.406		
<b>265-N UNION ELBOW</b>  		265-N-04	1/4	1.156	.750	.468	.218		
		265-N-05	5/16	1.218	.812	.468	.281		
		265-N-06	3/8	1.406	.937	.531	.343		
		265-N-08	1/2	1.515	1.062	.593	.406		
<b>266-N FEMALE CONNECTOR</b>  		266-N-04x02	1/4	1/8	1.343	.937	.468	.218	.562
		266-N-04x04	1/4	1/4	1.531	1.125	.468	.218	.687
		266-N-06x04	3/8	1/4	1.656	1.187	.531	.343	.687
		266-N-06x06	3/8	3/8	1.656	1.187	.531	.343	.812
		266-N-08x06	1/2	3/8	1.703	1.250	.593	.406	.812

# Nylo-Seal Flareless Tube Fittings

		Catalog Number	Tube O.D.	Pipe Thread	A	B	C	D	E	F		
 	<b>268-N MALE CONNECTOR</b>	268-N-04x02	1/4	1/8	1.406	1.000	.468	.218	.625			
		268-N-04x04	1/4	1/4	1.593	1.187	.468	.218	.625			
		268-N-05x04	5/16	1/4	1.593	1.187	.468	.281	.687			
		268-N-06x04	3/8	1/4	1.781	1.312	.531	.343	.812			
		268-N-06x06	3/8	3/8	1.781	1.312	.531	.343	.812			
		268-N-08x06	1/2	3/8	1.828	1.375	.593	.406	.937			
		268-N-08x08	1/2	1/2	2.015	1.562	.593	.406	.937			
 	<b>269-N MALE ELBOW</b>	269-N-04x02	1/4	1/8	1.156	.750	.468	.750	.218			
		269-N-04x04	1/4	1/4	1.156	.750	.468	.937	.218			
		269-N-05x04	5/16	1/4	1.218	.812	.468	1.000	.281			
		269-N-06x04	3/8	1/4	1.406	.937	.531	1.062	.343			
		269-N-06x06	3/8	3/8	1.406	.937	.531	1.062	.343			
		269-N-08x06	1/2	3/8	1.515	1.062	.593	1.125	.406			
		269-N-08x08	1/2	1/2	1.515	1.062	.593	1.312	.406			
 	<b>270-N FEMALE ELBOW</b>	270-N-04x02	1/4	1/8	1.156	.750	.468	.875	.218	.562		
		270-N-04x04	1/4	1/4	1.156	.750	.468	1.062	.218	.687		
		270-N-06x04	3/8	1/4	1.406	.937	.531	1.187	.343	.687		
		270-N-06x06	3/8	3/8	1.406	.937	.531	1.187	.343	.812		
		270-N-08x06	1/2	3/8	1.515	1.062	.593	1.250	.406	.812		
 	<b>271-N MALE RUN TEE</b>	271-N-04x02	1/4	1/8	1.156	.750	.468	.750	.218			
		271-N-04x04	1/4	1/4	1.156	.750	.468	.937	.218			
		271-N-05x04	5/16	1/4	1.218	.812	.468	1.000	.281			
		271-N-06x04	3/8	1/4	1.406	.937	.531	1.062	.343			
		271-N-06x06	3/8	3/8	1.406	.937	.531	1.062	.343			
		271-N-08x06	1/2	3/8	1.515	1.062	.593	1.062	.406			
		271-N-08x08	1/2	1/2	1.515	1.062	.593	1.312	.406			
 	<b>272-N MALE BRANCH TEE</b>	272-N-04x02	1/4	1/8	1.156	.750	.468	.750	.218			
		272-N-04x04	1/4	1/4	1.156	.750	.468	.937	.218			
		272-N-05x04	5/16	1/4	1.218	.812	.468	1.000	.281			
		272-N-06x04	3/8	1/4	1.406	.937	.531	1.062	.343			
		272-N-06x06	3/8	3/8	1.406	.937	.531	1.062	.343			
		272-N-08x06	1/2	3/8	1.515	1.062	.593	1.125	.406			
		272-N-08x08	1/2	1/2	1.515	1.062	.593	1.312	.406			
 	<b>282-N BULKHEAD UNION</b>	282-N-04	1/4		2.312	1.500	.468	.218	7/16-20	.625	.625	.312
		282-N-05	5/16		2.437	1.625	.468	.281	1/2-20	.687	.687	.375
		282-N-06	3/8		2.748	1.812	.531	.343	5/8-20	.812	.875	.375
		282-N-08	1/2		2.781	1.875	.593	.406	3/4-20	.937	1.000	.312