

# Hydraulic Oil, Manifolds and Fittings

## Recommended Tubing for Hand Plumbing Applications

Enerpac does not supply high-pressure pipe or tubing but recommends the use of cold drawn steel tubing instead of regular pipe in the following dimensions:

In place of 1/4" pipe use 3/8" tubing with a 0.065" minimum wall thickness.

For 3/8" pipe use schedule 80 as a minimum or 1/2" with a 0.095" minimum wall thickness.

For 1/2" pipe use schedule 80 as a minimum or 3/4" tubing with a 0.135" minimum wall thickness.

All tubing wall thicknesses based on a 55,000 psi minimum tensile strength.

**A, AM  
FZ,  
HF, LX  
Series**



Description		Model Number	Dimensions (in)				Diagram	
			A	B	C	D		
<b>Street Elbow</b> From: 3/8"-NPTF Male To: 3/8"-NPTF Female		FZ-1616	.94	1.30	3/8"-18 NPTF	3/8"-18 NPTF		
<b>Reducing Connector</b> From: 3/8"-NPTF Female To: 1/4"-NPTF Female		FZ-1615	1.13	1.00	3/8"-18 NPTF	1/4"-18 NPTF		
From: 1/2"-NPTF Female To: 3/8"-NPTF Female		FZ-1625	1.88	1.14	1/2"-18 NPTF	3/8"-18 NPTF		
<b>Hex Nipple</b> From: 1/4"-NPTF Male To: 1/4"-NPTF Male		FZ-1608	1.50	.63	1/4"-18 NPTF	1/4"-18 NPTF		
From: 3/8"-NPTF Male To: 3/8"-NPTF Male		FZ-1617	1.47	.75	3/8"-18 NPTF	3/8"-18 NPTF		
<b>Coupling</b> From: 3/8"-NPTF Female To: 3/8"-NPTF Female		FZ-1614	1.13	1.00	3/8"-18 NPTF	3/8"-18 NPTF		
<b>Cross</b> From: 3/8"-NPTF Female To: 3/8"-NPTF Female		FZ-1613	1.77	1.00	3/8"-18 NPTF	-		
<b>Tee</b> From: 3/8"-NPTF Female To: 3/8"-NPTF Female		FZ-1612	1.77	1.00	3/8"-18 NPTF	-		
<b>Elbow</b> From: 3/8"-NPTF Female To: 3/8"-NPTF Female		FZ-1610	1.38	.88	3/8"-18 NPTF	-		
<b>Bushing</b> From: 3/8"-NPTF Male To: 1/4"-NPTF Female		FZ-1630	.75	.75	1/4"-18 NPTF	3/8"-18 NPTF		
<b>Swivel Fitting</b> From: 3/8"-NPTF Male To: 3/8"-NPTF Female		FZ-1660	1.56	.88	3/8"-18 NPTF	3/8"-18 NPTF		
<b>Adaptor</b> Female	Male		FZ-1055	1.75	.94	1/4"-18 NPTF	3/8"-18 NPTF	
3/8"-18 NPTF	1/4"-18 NPTF							
1/2"-14 NPTF	1/4"-18 NPTF							
1/2"-14 NPTF	3/8"-18 NPTF	FZ-1633	1.69	1.13	1/4"-18 NPTF	1/2"-14 NPTF		
		FZ-1634	1.69	1.13	3/8"-18 NPTF	1/2"-14 NPTF		