

FlexHead® Flexible Pipe
Fig. FFP



Material Specifications

FFP – Flexible SS Pipe

Pipe End
304 Stainless Steel

Braid
304 Stainless Steel

Bellows
304 Stainless Steel

Collar
304 Stainless Steel

Couplings – 74FP

Housing
Ductile Iron conforming to ASTM A-535,
Grade 65-45-12

Gasket
Pre Lubricated Grade "E" EPDM,
Type A Gasket
Color: Violet

Bolts
SAE J429, Grade 5, Zinc Electroplated

Heavy Hex Nuts
ASTM A 5563, Grade A Zinc Electroplated

Coatings
Rust Inhibiting Paint
Color: Orange
Hot Dipped Zinc Galvanized

FlexHead® Flexible Pipe (FFP) are flexible branch line pipe connectors used for uncommon fabricated pipe fittings. The FFP is available in pipe sizes 1", 1 1/4", 1 1/2" 2", 2 1/2", 3", 4" and standard lengths of 24" and 48". The 24" length allows for one bend up to 90°. The 48" length allows for 2 bends up to 180°. The 1" FFP is also available in 72" length with SLT ends and allows up to 4 bends. The FFP can provide an off the shelf solution for odd angled connections and can reduce the number of fittings and coupling needed to connect a branch pipe.

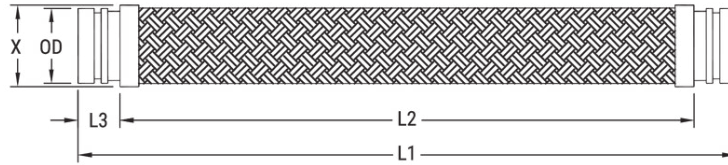
The FFP comes with standard cut groove or with the patented SLT Technology pre-installed with SlideLok 74FP couplings. With pressure rating of 300 psi up to 3" and 250 psi for 4".



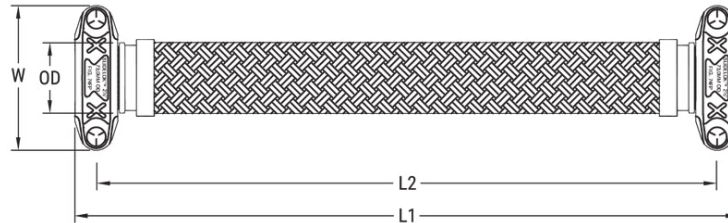
PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

FlexHead® Flexible Pipe Fig. FFP

FFP-XX-XX-SLT



FFP-XX-XX-SLT
WITH 74FP



FlexHead Flexible Pipe

FFP Loading & Dimensions

Model Number	Size ANSI	O.D.	Max. Working Pressure	Min. Bend Radius	Max. Number of Bends	Dimensions						Approx. Wt. Ea.	Approx. Wt. w/ SLT
						L1	L2	L3	L4	X	Y		
						In./mm.	In./mm.	In./mm.	In./mm.	In./mm.	In./mm.	lbs/kg	lbs/kg
FFP-1.0-24	1	1.315	300	8	1	24	20 1/2	1 3/4	26	1.5	4.5	1.6	4.6
FFP-1.0-24-SLT	25	26.7	20.7	203		609.6	520.7	44.45	660	38.1	114.3	0.7	2.1
FFP-1.0-48	1	1.315	300	8	2	48	44 1/2	1 3/4	51	1.5	4.5	2.6	5.6
FFP-1.0-48-SLT	25	26.7	20.7	203		1219.2	1130.3	44.45	1295	38.1	114.3	1.2	2.5
FFP-1.0-72-SLT	1	1.315	300	8	2	72	68.5	1 3/4	74	1.5	4.5	2.8	5.6
	25	26.7	20.7	203		1828.8	1739.9	44.45	1879.6	38.1	114.3	1.3	2.5
FFP-1.25-24	1 1/4	1.66	300	8	1	24	20 1/2	1 3/4	26	1.85	5	2	5.8
FFP-1.25-24-SLT	32	42.1	20.7	203		609.6	520.7	44.45	660	27	127	0.9	2.6
FFP-1.25-48	1 1/4	1.66	300	8	2	48	44 1/2	1 3/4	51	1.85	5	3.1	6.9
FFP-1.25-48-SLT	32	42.1	20.7	203		1219.2	1130.3	44.45	1295	27	127	1.4	3.1
FFP-1.5-24	1 1/2	1.9	300	8	1	24	20 1/2	1 3/4	26	2.43	5.25	2.5	6.3
FFP-1.5-24-SLT	40	48.2	20.7	203		609.6	520.7	44.45	660	58.9	133.3	1.1	3
FFP-1.5-48	1 1/2	1.9	300	8	2	48	44 1/2	1 3/4	51	2.43	5.25	4	8.2
FFP-1.5-48-SLT	40	48.2	20.7	203		1219.2	1130.3	44.45	1295	58.9	133.3	1.8	3.7
FFP-2.0-24	2	2.375	300	8	1	24	20 1/2	1 3/4	26	2.64	6	2.5	7.9
FFP-2.0-24-SLT	50	60.3	20.7	203		609.6	520.7	44.45	660	67	152.4	1.1	3.6
FFP-2.0-48	2	2.375	300	8	2	48	44 1/2	1 3/4	51	2.64	6	5.5	10.9
FFP-2.0-48-SLT	50	60.3	20.7	203		1219.2	1130.3	44.45	1295	67	152.4	2.5	5.0
FFP-2.5-24	2 1/2	2.875	300	8	1	24	20 1/2	1 3/4	26	3.39	6.5	3.0	8.8
FFP-2.5-24-SLT	65	73	20.7	203		609.6	520.7	44.45	660	86.1	165.1	1.4	4.0
FFP-2.5-48	2 1/2	2.875	300	8	2	48	44 1/2	1 3/4	51	3.39	6.5	8.0	13.8
FFP-2.5-48-SLT	65	73	20.7	203		1219.2	1130.3	44.45	1295	86.1	165.1	3.6	6.3
FFP-3.0-24	3	3.5	300	8	1	24	20 1/2	1 3/4	26	4.12	7	5.5	12.7
FFP-3.0-24-SLT	80	88.9	20.7	203		609.6	520.7	44.45	660	104.6	177.8	2.5	5.8
FFP-3.0-48	3	3.5	300	8	2	48	44 1/2	1 3/4	51	4.12	7	10.0	17.2
FFP-3.0-48-SLT	80	88.9	20.7	203		1219.2	1130.3	44.45	1295	104.6	177.8	4.5	7.8
FFP-4.0-24	4	4.5	250	8	1	24	20 1/2	1 3/4	26	5	7.25	8.0	17.4
FFP-4.0-24-SLT	100	114.3	17	203		609.6	520.7	44.45	660	127	184.1	3.6	7.9
FFP-4.0-48	4	4.5	250	8	2	48	44 1/2	1 3/4	51	5	7.25	14.0	23.1
FFP-4.0-48-SLT	100	114.3	17	203		1219.2	1130.3	44.45	1295	127	184.1	6.4	10.5

FlexHead® Flexible Pipe Fig. FFP

Installation Instructions

1. Bend to the desire angle. Note the bend radius not to be tighter than 8".
2. Installed grooved coupling per the Fig. 74FP installation instructions.
3. Add a hanger before and after the flexible hose assembly.
4. Additional restraints may be required to prevent excess movement when system is pressurized.

Friction Loss Data*

Hose Size	24" Straight	24" 90°	48" Straight	48" 90°	48" U-Bend
1"	6.4	13.1	15.2	20.9	25.8
1 1/4"	10.4	14.3	16.6	20.6	24.7
1 1/2"	15	18.2	14.8	20.8	27.5
2"	8.4	16.9	16.6	27.8	33.9
2 1/2"	8.8	13.4	16.5	21.9	26.3
3"	9.9	16.7	22.9	31.3	36.7
4"	9.7	17	19.9	27.7	33.6

Hose Size	72" Straight	72" 90°	72" U-Bend
1	25.1	31.2	38.1

Note: * – Ft. of Sch 40 Steel Pipe of the same nominal diameter.



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