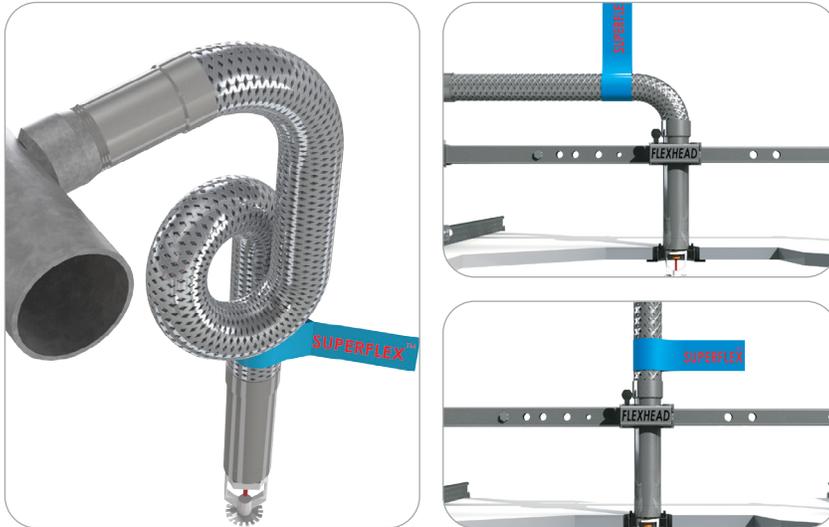


## SuperFlex® Hose Fig. 20XXSF



### Product Specifications

#### Assembly Length

36in                      48in                      72in

#### Outlet Drop Size (NPT per ASME B1.20.1)

½ NPS (DN15)                      ¾ NPS (DN20)

#### Inlet Pipe Size (NPT per ASME B1.20.1)

1 NPS (DN25)

#### 1 NPS (DN25) Pressure Rating

UL: 175 psi (1,205 kPa)

FM: 175 psi (1,205 kPa)

#### Minimum Bend Radius

UL: 2.0 in (50.8 mm)

FM: 7.0 in (177.8 mm)

#### Ambient Temperature

300°F (145°C) Max

#### Material

304 Stainless Steel

#### Features

- 100% Leak Tested Fully Welded Design
- Pre-Installed Sprinkler Head option available upon request
- Every hose comes with an easy to identify Blue Tag
- No bend radius inspection required for cULus applications
- Compliant with NFPA 13, 13R, & 13D
- For Wet, Dry, and Pre-Action Sprinkler Systems

#### Ordering

Specify figure number, length, outlet size, and description

**Fig. 20XXSF cULus & FM Approved Brackets**

Bracket Fig. # & Size	cULus Listed	FM Approved	FlexHead Historical Model Number
FH120. 24in <b>NEW</b>	✓	✓	-
FH120. 48in <b>NEW</b>	✓	✓	-
FH150 <b>NEW</b>	✓	✓	-
BKT-MPT	✓	✓	MPT24BKT1
BKT-ADO, 16in	✓	✓	ADO16BKT3
BKT-ADO, 24in	✓	✓	ADO24BKT3
BKT-ADO, 30in		✓	ADO30BKT3
BKT-ADO, 48in		✓	ADO48BKT3
BKT-UHO3		✓	UHO-3
BKT-TZ		✓	SPO6TZBKT2

**Notes:** Flexhead Historical Model Numbers may be used to verify cULus Listings & FM Approvals.



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

## SuperFlex® Hose Fig. 20XXSF

**Fig. 20XXSF cULus Listing per UL 2443 & FM Approval (Listing) per FM 1637**

Outlet Drop Size	Asembly Length	Equivalent Length						Max # of 90° Bends	
		UL	FM					UL	FM
			k = 5.6	k = 8.0	k = 11.2	k = 14.0	k = 16.8		
		ft/m	ft/m	ft/m	ft/m	ft/m	ft/m		
-	In	30	16.2	16.9	11.5	-	-	5	2
		9.1	4.9	5.2	3.5				
		48	28.7	29.3	15.4	-	-		
1/2 NPS DN15	48	14.3	8.7	8.9	4.7				
		72	53.9	54.3	23.2	-	-	12	4
		21.6	16.4	16.5	7.0				
3/4 NPS DN20	36	29	-	21.6	21.6	21.8	22.0	5	2
		8.8		6.5	6.5	6.6	6.7		
		48	44	30.5	30.6	31.1	30.8		
13.4	9.3	9.3	9.4	9.4	9.4				
72	70	48.5	48.8	49.9	48.6	12	4		
21.3	14.8	14.8	15.2	14.8					

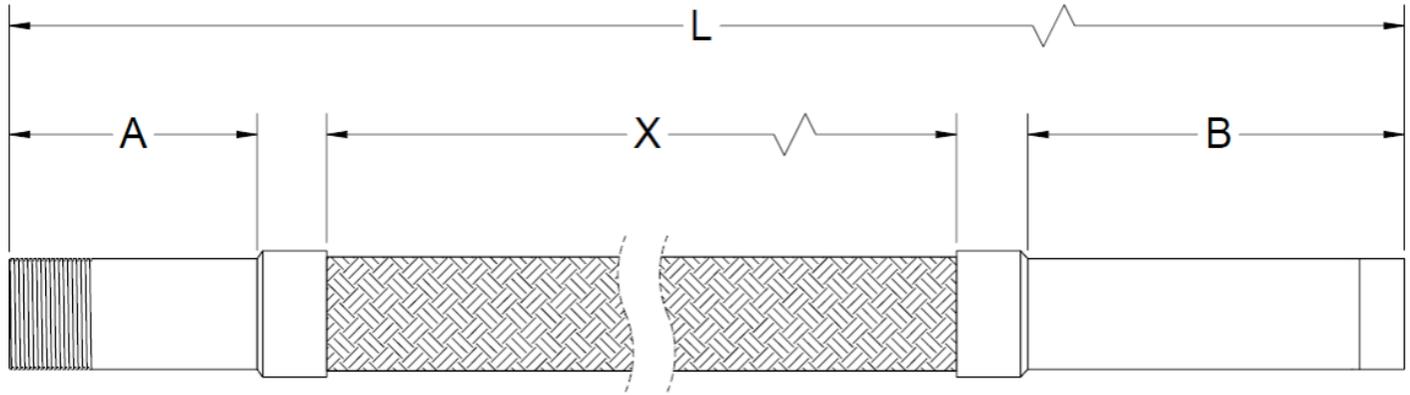
1. Equivalent Length of NPS 1 (DN25) Sch 40 Pipe.
2. Equivalent Lengths listed above assume the maximum number of 90° bends.
3. A 90° bend can be achieved with two 45° bends or three 30° bends.
4. UL Equivalent Lengths are listed for installation with sprinklers with a maximum k-factor of 16.8.
5. FM Equivalent Lengths listed above include the Friction Loss of the Sprinkler.
6. UL Listed for "Limited Flexibility".



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SuperFlex® Hose  
**Fig. 20XXSF**



**Fig. 20XXSF cULus Listing per UL 2443 & FM Approval (Listing) per FM 1637**

Assembly Length	True Length (L)		Braid Length (X)		Inlet Nipple Length (A)		Outlet Drop		FlexHead Historical Model Number	
	in	mm	in	mm	in	mm	in	mm	½ NPS Outlet	¾ NPS Outlet
36	36	914	27	686					2036SF-50	2036SF-75
48	48	1219	39	991	3.0	76.2	6.3	160.0	2048SF-50	2048SF-75
72	72	1829	63	1600					2072SF-50	2072SF-75



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## SuperFlex® Hose Fig. 20XXSF

### Installation Instructions

#### Connection to the Branch

- 1 Apply pipe sealant or tape to the NPT thread.
- 2 Install into branch outlet. Tighten the assembly by placing the pipe wrench on the pipe nipple section.
- 3 **Note:** Only place the pipe wrench on the unthreaded portion of the inlet nipple.

#### Connection to the Sprinkler Head

- 1 Installation of the sprinkler head into the outlet drop shall be per the sprinkler manufacturer's installation instructions.

#### Connection to the Bracket

- 1 Installation of the hose to the bracket shall be per the bracket's installation instructions. The bracket shall be listed for installation with the 20XXSF. See Page 1 for Listed and Approved brackets.

#### Bending the Hose

- 1 The hose may be bent to ensure the inlet nipple and outlet drop are in the desired locations.
- 2 The hose should never be bent to a radius less than minimum listed bend radius. The bend radius is defined to the center of the hose.
- 3 The hose must have at least one 90° bend. A 90° bend can be achieved with two 45° bends or three 30° bends.
- 4 For best performance, the bends in the hose should be as large and smooth as possible.

#### General Installation Notes

- 1 Never apply a wrench to the braided hose.
- 2 The Fig 20XXSF may be installed in any direction from the branch.
- 3 If installing a sprinkler to a bracket after installation, it is best practice to prevent twisting of the bracket and hose by holding the outlet drop with a wrench.



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