

## Fig. 20XXT Standard Tall Hose



### Fig. 20XXT cULus & FM Approved Brackets

Bracket Fig # & Size	cULus Listed	FM Approved	FlexHead Historical Model Number
BKT-MPO	✓	✓	MPO24BKT2
BKT-MPT	✓	✓	MPT24BKT1
BKT-ADO, 16 in	✓	✓	ADO16BKT3
BKT-ADO, 24 in	✓	✓	ADO24BKT3
BKT-ADO, 30 in		✓	ADO30BKT3
BKT-ADO, 48 in		✓	ADO48BKT3
BKT-UHO3		✓	UHO-3
BKT-TZ		✓	SPO6TZBKT2

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

### Specifications

#### Assembly Length

24 in	36 in	48 in
60 in	72 in	

#### 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)

#### Pressure Rating

UL: 175 psi (1,205 kPa)  
FM: 175 psi (1,205 kPa)

#### Minimum Bend Radius

UL: 3.0 in (76.2 mm)  
FM: 8.0 in (203.2 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
- Compliant with NFPA 13, 13R, & 13D
- For Wet, Dry, and Pre-Action Sprinkler Systems

#### Ordering

Specify figure number, length, outlet size, outlet drop length, and description.



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

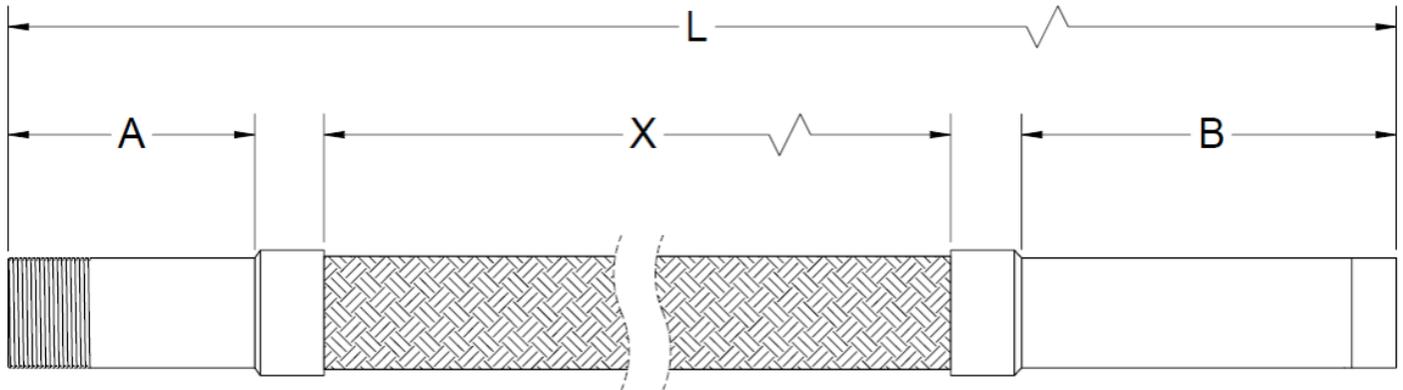
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### Fig. 20XXT cULus Listing per UL 2443 & FM Approval (Listing) per FM 1637

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		
	in	ft/m	ft/m	ft/m	ft/m	ft/m	ft/m		
½ NPS DN15	24	11 3.4	18.4 5.6	7.7 2.3	7.6 2.3	-	-	3	1
	36	16 4.9	26.6 8.1	11.5 3.5	11.5 3.5	-	-	3	2
	48	24 7.3	30.3 9.2	15.3 4.6	15.4 4.7	-	-	4	3
	60	29 8.8	35.8 10.9	19.1 5.8	19.3 5.9	-	-	4	4
	72	35 10.7	45.6 13.9	23.0 7.0	23.2 7.1	-	-	4	4
¾ NPS DN20	24	12 3.7	-	7.3 2.2	5.9 1.8	14.7 4.5	7.1 2.2	3	1
	36	18 5.5	-	21.5 6.5	10.4 3.1	21.8 6.6	10.9 3.3	3	2
	48	23 7.0	-	30.5 9.3	14.9 4.5	29.0 8.8	14.8 4.5	4	3
	60	29 8.8	-	39.5 12.0	19.4 5.9	36.1 11.0	18.7 5.7	4	4
	72	32 9.8	-	48.5 14	24.0 7.3	43.2 13.1	22.6 6.9	4	4

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".

**Fig. 20XXT Standard Tall Hose**



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

Asembly Length	True Length (L)		Braid Length (X)		Inlet Nipple Length (A)		Outlet Drop Length (B)		FlexHead Historical Model Number	
	in	mm	in	mm	in	mm	in	mm	½ NPS Outlet	¾ NPS Outlet
24	24	610	15	381					2024T-50	2024T-75
36	36	914	37	940					2036T-50	2036T-75
48	48	1219	39	991	3.0	76.2	6.3	160.0	2048T-50	2048T-75
60	60	1524	51	1295					2060T-50	2060T-75
72	72	1829	63	1600					2072T-50	2072T-75

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### 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 20XXT. 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 20XXT 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.