

Fig. 20XXH High Pressure Hose

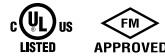


Fig. 20XXH cULus & FM Approved Brackets

Bracket Fig # & Size	cULus Listed	FM Approved	FlexHead Historical Model Number
BKT-MPO	✓	✓	MPO24BKT2
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)
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Inlet Pipe Size (NPT per ASME B1.20.1)

1 NPS (DN25)

Pressure Rating

UL: 300 psi (2,068 kPa)
FM: 300 psi (2,068 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, 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. 20XXH cULus Listing per UL 2443 & FM Approval (Listing) per FM 1637

Outlet Drop Size	Assembly 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 4.7	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	-	14.7 4.5	6.8 2.1	14.7 4.5	7.1 2.2	3	1
	36	18 5.5	-	21.5 6.6	11.4 3.5	21.8 6.6	10.9 3.3	3	2
	48	23 7.0	-	30.5 9.3	16.0 4.9	29.0 8.8	14.8 4.5	4	3
	60	29 8.8	-	39.5 12.0	20.6 6.3	36.1 11.0	18.7 5.7	4	4
	72	32 9.8	-	48.5 14.8	25.5 7.8	43.2 13.2	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".

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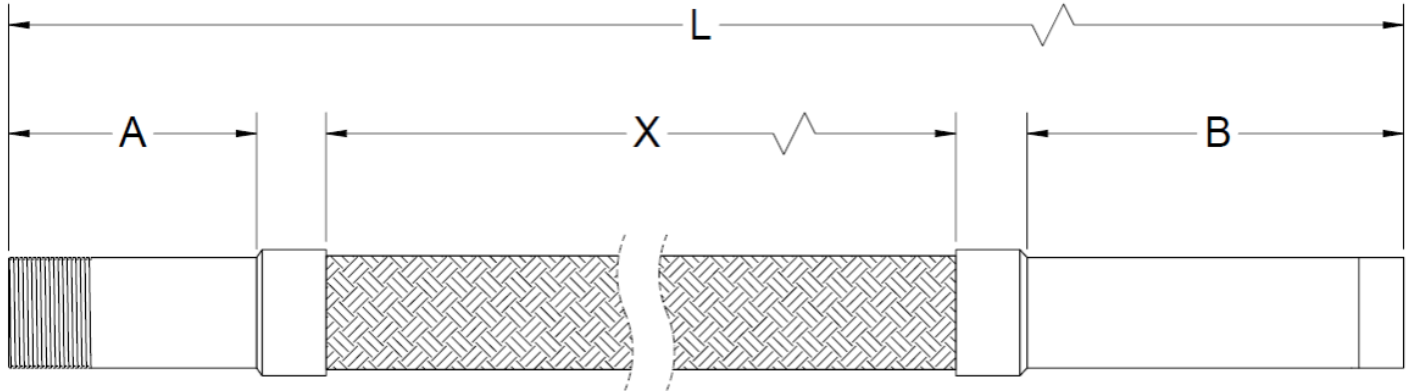


Fig. 20XXH Dimensions & Model Number

Assembly 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	17	432					2024H-50	2024H-75
36	36	914	29	737					2036H-50	2036H-75
48	48	1219	41	1041	3.0	76.2	4.0	101.6	2048H-50	2048H-75
60	60	1524	53	1346					2060H-50	2060H-75
72	72	1829	65	1651					2072H-50	2072H-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 20XXH. 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 20XXH 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.