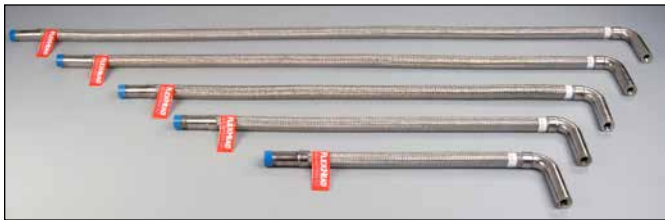


## STANDARD TALL SERIES HOSE



STANDARD TALL HOSE: available in 24", 36", 48", 60", 72" hose lengths. Rated working pressure 175psi, Straight model, Standard 1" I.D.



STANDARD ELBOW TALL HOSE: 24", 36", 48", 60", 72" hose lengths. Rated working pressure 175psi, Elbow model.



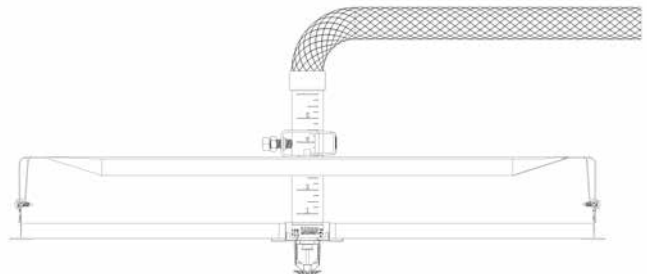
The benefits of installing FlexHead Commercial Connections include:

- Uniform bids / construction schedules
- Reduced man power and labor costs
- Retrofit existing buildings within confined spaces quickly and easily
- Increased efficiency
- Quick and easy installation
- Simple friction loss / water pressure calculations
- Relocate and reconfigure without draining and disassembling
- Flexible design provides versatility for changes in floor plan or occupancy
- Reduced service calls
- No call-backs due to quality manufacturing
- Rapid construction schedules allowing fast-track building occupancy

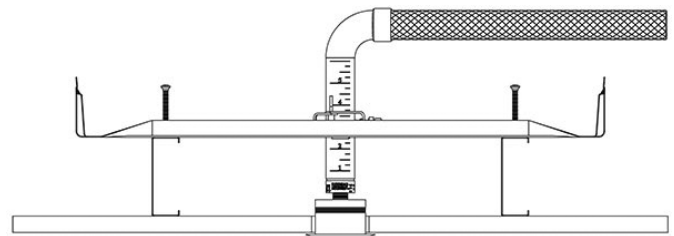
Unlike traditional hard-piped fire protection systems, FlexHead® sprinkler connections allow engineers, architects, contractors and building owners a degree of versatility previously unavailable, featuring:

- Industrial grade material
- Acceptable for use in a return-air plenum
- Perfect center-of-tile and aesthetic uniformity
- Approved for use with medium and heavy load grids (ASTM C635, 636)
- 100% leak-tested connections
- All welded, no o-rings
- Adjustable height and sprinkler alignment
- Proven technology
- Ceiling system compatibility
- Compatible with FM / UL sprinklers
- Meets 2013 NFPA 13 guidelines
- UL Approved for installation in dry wall ceiling grids

FLEXHEAD SUSPENDED CEILING DETAIL

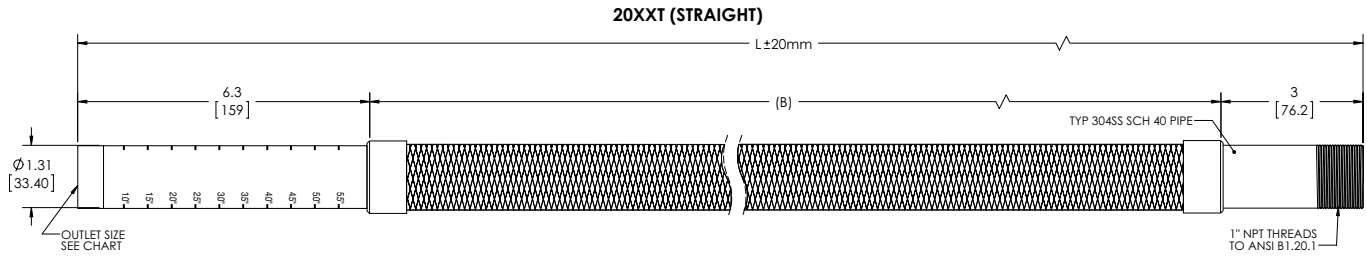


FLEXHEAD SHEETROCK CEILING DETAIL



PROJECT INFORMATION		APPROVAL STAMP	
Project:		<input type="checkbox"/> Approved	
Address:		<input type="checkbox"/> Approved as noted	
Contractor:		<input type="checkbox"/> Not approved	
Engineer:		Remarks:	
Submittal Date:			
Notes 1:			
Notes 2:			

## STANDARD TALL SERIES HOSE



**MODEL NUMBER:**

20XXT-XX

— = 50 (1/2" NPT OUTLET SIZE)  
OR 75 (3/4" NPT OUTLET SIZE)

— = TALL SERIES HOSE

— = HOSE LENGTH (24", 36", 48", 60", OR 72")

All dimensions are in inches

### FLEXHEAD STANDARD TALL HOSE SERIES – 1" INTERNAL DIAMETER (I.D.) HOSE SERIES

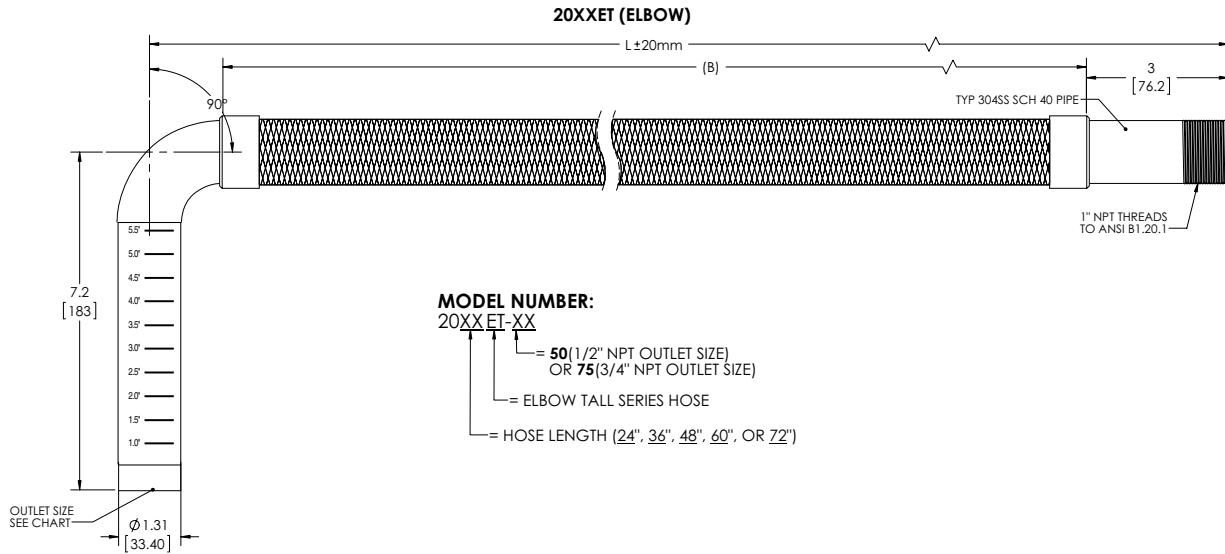
Model Number	Outlet Orifice Size	Hose Assembly Length (L)	Braid Length (B)	Minimum Bend Radius		Max. Number of 90° Bends		Equivalent Length of 1 in. Schedule 40 Pipe (Ft.)						Max. Rated Working Pressure	
				FM	UL	FM	UL	UL	FM					FM	UL
									5.6 k-Factor	8.0 k-Factor	11.2 k-Factor	14.0 k-Factor	16.8 k-Factor		
	In./cm.	In./mm.	In./mm.	In./mm.	In./mm.	In./mm.	In./mm.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	PSI/Kpa	PSI/Kpa
2024T-50	1/2 1.27	24 610	14.7 373.4	8 200	3 76.2	1	3	11 3.4	18.4 5.6	7.7 2.3	7.6 2.3	—	—	175 1205	175 1205
2036T-50		36 914	26.7 678.2			2	3	16 4.9	26.6 8.1	11.5 3.5	11.5 3.5	—	—		
2048T-50		48 1219	38.7 983.0			3	4	24 7.3	30.3 9.2	15.3 4.6	15.3 4.7	—	—		
2060T-50		60 1524	50.7 1287.8			4	4	29 8.8	35.8 10.9	19.1 5.8	19.3 5.8	—	—		
2072T-50		72 1828	62.7 1592.6			4	4	35 10.7	45.6 13.9	23 7	23.2 7	—	—		
2024T-75	3/4 1.90	24 610	14.7 373.4	8 200	3 76.2	1	3	12 3.7	N/A	—	—	14.7 4.5	7.1 2.1	175 1205	175 1205
2036T-75		36 914	26.7 678.2			2	3	18 5.5	N/A	21.5 6.5	21.6 6.6	21.8 6.6	10.9 3.3		
2048T-75		48 1219	38.7 983.0			3	4	23 7.0	N/A	30.5 9.3	30.6 9.3	29 8.8	14.8 4.5		
2060T-75		60 1524	50.7 1287.8			4	4	29 8.8	N/A	39.5 12	39.6 12	36.1 11	18.7 5.6		
2072T-75		72 1828	62.7 1592.6			4	4	32 9.8	N/A	48.5 14.7	48.8 14.9	43.2 13.1	22.6 6.8		

Model Numbers: The "T" designates Tall Series Hose. The "50" designates 1/2" Outlet Hose Series. The "75" designates 3/4" Outlet Hose Series.

Equivalent Lengths are shown with maximum number of 90° bends at the minimum bend radius per agency. 2- 45° or 3-30° bends equal 1-90° bend. Different values were obtained by FM and UL due to the difference in minimum bend radius, testing protocol and calculation methods. Please see individual standards for more information relative to Friction Loss (equivalent length of pipe).

See listing(s) approval agency for the latest approval details.

## STANDARD TALL SERIES HOSE



### FLEXHEAD ELBOW TALL HOSE SERIES – 1" INTERNAL DIAMETER (I.D.) HOSE SERIES

Model Number	Outlet Orifice Size	Hose Assembly Length (L)	Braid Length (B)	Minimum Bend Radius		Max. Number of 90° Bends		Equivalent Length of 1 in. Schedule 40 Pipe (Ft.)					Max. Rated Working Pressure		
				FM	UL	FM	UL	UL	FM					FM	UL
									5.6 k-Factor	8.0 k-Factor	11.2 k-Factor	14.0 k-Factor	16.8 k-Factor		
In./cm.	In./mm.	In./mm.	In./mm.	In./mm.	In./mm.	In./mm.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	PSI/Kpa	PSI/Kpa		
2024ET-50	1/2 1.27	24 610	19.5 495.3	8 200	3 76.2	1	3	19 5.8	26.4 8.0	6.8 2	7.4 2.2	—	—	175 1205	175 1205
2036ET-50		36 914	31.5 800.1			2	3	23 7.0	30.1 9.1	11.8 3.6	12.5 3.8	—	—		
2048ET-50		48 1219	43.5 1104.9			3	4	27 8.2	33.8 10.3	16.9 5.1	17.6 5.3	—	—		
2060ET-50		60 1524	55.5 1409.7			4	4	32 9.8	37.5 11.4	21.9 6.6	22.7 6.9	—	—		
2072ET-50		72 1828	67.5 1714.5			4	4	35 10.7	41.2 12.5	27 8.2	27.8 8.4	—	—		
2024ET-75	3/4 1.90	24 610	19.5 495.3	8 200	3 76.2	1	3	18 5.5	N/A			14.7 4.5	8.2 2.5	175 1205	175 1205
2036ET-75		36 914	31.5 800.1			2	3	23 7.0	N/A	25.2 7.7	26 7.9	21.8 6.6	13 3.9		
2048ET-75		48 1219	43.5 1104.9			3	4	23 7.0	N/A	32.9 10	33 10	29 8.8	17.8 5.4		
2060ET-75		60 1524	55.5 1409.7			4	4	29 8.8	N/A	40.6 12.3	40 12.1	36.1 11	22.6 6.8		
2072ET-75		72 1828	67.5 1714.5			4	4	32 9.8	N/A	48.5 14.7	47 14.3	43.2 13.1	27.5 8.3		

Model Numbers: The "ET" designates Elbow Tall Series Hose. The "50" designates 1/2" Outlet Hose Series. The "75" designates 3/4" Outlet Hose Series.

Equivalent Lengths are shown with maximum number of 90° bends at the minimum bend radius per agency. 2- 45° or 3-30° bends equal 1-90° bend. Different values were obtained by FM and UL due to the difference in minimum bend radius, testing protocol and calculation methods. Please see individual standards for more information relative to Friction Loss (equivalent length of pipe).

See listing(s) approval agency for the latest approval details.

## INSTALLATION INSTRUCTIONS

### MPO24BKT2 Multi-Position Open Hub Bracket (MPO) Installation of FlexHead Commercial Ceiling Flexible Sprinkler Drop System

Recommend the use of proper PPE for installation. MPO24BKT2 is approved for use with the standard FlexHead® Flexible Sprinkler Hose in accordance to NFPA 13, 13D, & 13R for use in wet and dry sprinkler system. The Standard Flexible sprinkler hoses are UL approved for Limited flexibility and are intended for direct sprinkler connection.

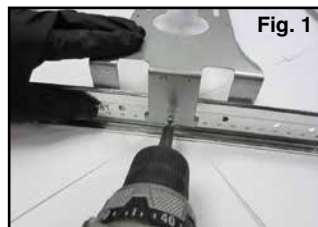
The MPO24BKT2 is pre-assembled at center tile position. (See below for additional installation configurations)



### 1 T Bar Ceiling Grid Installation

The MPO bracket is designed for use on ceiling grids conforming to ASTM C 635\*.

Locate the center of the ceiling tile marking, align the offset screw with that marking for true center of tile installation. Insert one bracket leg at a time, applying a downward pressure on the bracket leg and T-Bar. Place the second leg on the T-Bar and repeat process. (Fig. 1)



### 2 FlexHead Flexible Hose Installation

Apply Teflon® tape or pipe sealant to the 1" NPT thread. Install into branch outlet. Any direction is acceptable, ensure the hose is allowed at least one bend per installation to allow for seismic movement. (See Friction Loss Chart on page 8 for details.)

Tighten hose using the pipe drop section, never apply a wrench to the braided hose for installation. (Fig. 2)



*Do not wrench on braided hose*

### 3 MPO Bracket Installation

Maneuver the flexible sprinkler drop from the branch to the MPO bracket. Review that the hose length, number of bends, and bend radius are applicable for the installation per NFPA guidelines. (See corresponding hose submittal for installation information.)

The MPO bracket has an open hub for ease of installation. Open the hinge apparatus by turning the locking shaft ¼ turn. Slide the flexible hose drop into the hub. Ensure the drop is vertical, and the SS Flexible® hose is not applying a substantial moment on the bracket causing sprinkler misalignment. Latch the hinge door closed and adjust the sprinkler drop for desired ceiling height. Tighten the set screw till hand tight plus 1" turn, (100 in-lbs).

Install desired sprinkler head, per the manufacturer's installation instructions.



### Installation Configurations



24" Tile – 24/4 - Quarter Mark Position



14½" Wood Stud - Center Position♦

### Installation Complete



U.S and International Patent Pending: #6,123,154, #6,119,784, #6,752,218, #7,032,680, #6,488,097  
20XXHE, 20XXSF, 20XXE & 20XXI, 20XXET with MPO24BKT2 Bracket has not been evaluated by UL.

\*Intended for use on ASTM C 635 intermediate or heavy duty ceilings systems installed in accordance to ASTM C 636.

♦FM Approved, Installation has not been evaluated by UL.

## INSTALLATION INSTRUCTIONS

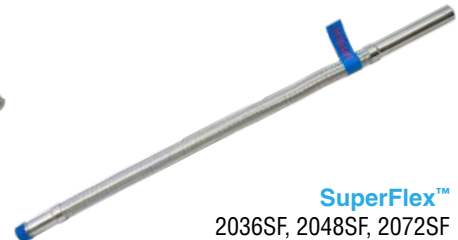
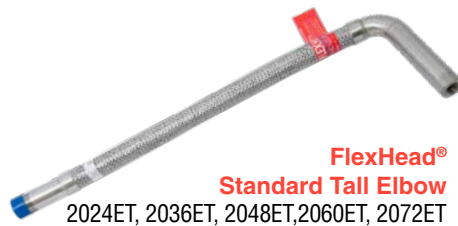
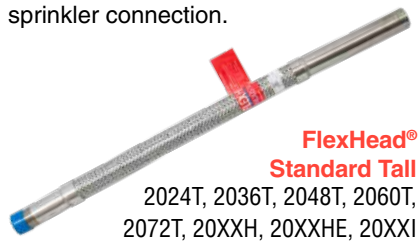
### ADOXXBKT3 Adjustable Open Hub Bracket (ADO) Installation of FlexHead Commercial Ceiling Flexible Sprinkler Drop System

Recommend the use of proper PPE for installation. ADOXX-BKT3 is approved for use with the standard FlexHead® and SuperFlex™ Flexible Sprinkler Hose in accordance to NFPA 13, 13D, & 13R for use in wet and dry sprinkler system. The Standard & SuperFlex™ Flexible sprinkler hoses are UL approved for limited flexibility and are intended for direct sprinkler connection.

The ADOXXBKT3 is pre-assembled at center tile position. (See below for additional installation configurations)



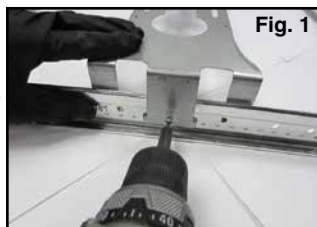
ADO16BKT3 & ADO24BKT3 UL Listed and FM Approved.  
ADO30BKT3 & ADO48BKT3 FM Approved.



### 1 T Bar Ceiling Grid Installation

The ADO bracket is designed for use on ceiling grids conforming to ASTM C 635\*.

Locate the center of the ceiling tile marking, align the offset screw with that marking for true center of tile installation. Insert one bracket leg at a time, applying a downward pressure on the bracket leg and T-Bar. Place the second leg on the T-Bar and repeat process. (Fig. 1)



### 3 ADO Bracket Installation

Maneuver the flexible sprinkler drop from the branch to the ADO bracket. Review that the hose length, number of bends, and bend radius are applicable for the installation per NFPA guidelines. (See corresponding hose submittal for installation information.)



### 2 FlexHead Flexible Hose Installation

**A.** For threaded fitting branch connection: Apply Teflon® tape or pipe sealant to the 1" NPT thread. Install into branch outlet. Tighten the hose using the pipe section, never apply a wrench to the braided hose when installing.



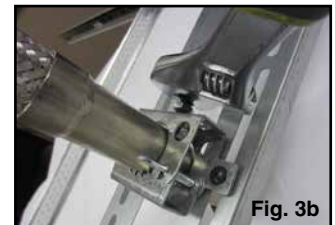
*Do not wrench on braided hose*

**B.** For groove connection follow the grooved coupling manufacturer's installation instructions.

**C.** For SLT connection follow Gruvlok® installation instructions, "Fig 7074SLT SlideLOK® Ready for Installation Cap & Fitting Instructions".

The FlexHead connection can be installed in any direction from the branch. Ensure the hose is allowed at least one bend per installation to allow for seismic movement. (See fiction Loss Chart on Page 3 for details)

The ADO bracket has an open hub for ease of installation. Open the hinge apparatus by turning the locking shaft ¼ turn. Slide the flexible hose drop into the hub. Ensure the drop is vertical, and the SS Flexible® hose is not applying a substantial moment on the bracket causing sprinkler misalignment. Latch the hinge door closed and adjust the sprinkler drop for desired ceiling height. Tighten the set screw till hand tight plus ¾" turn, (130 in-lbs). (Fig. 3a and 3b)



Install desired sprinkler head, per the manufacturer's installation instructions.

### Installation Configurations



24" Tile – 24/4 - Quarter Mark Position



14½" Wood Stud - Center Position♦

### Installation Complete



U.S and International Patent Pending: #6,123,154, #6,119,784, #6,752,218, #7,032,680, #6,488,097  
20XXT, 220XXET, 20XXH, 20XXHE, 20XXI, with ADOXXBKT3 Bracket has not been evaluated by UL.

\*Intended for use on ASTM C 635 intermediate or heavy duty ceilings systems installed in accordance to ASTM C 636.

♦FM Approved, Installation has not been evaluated by UL.

## INSTALLATION INSTRUCTIONS

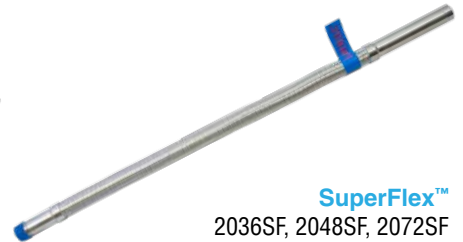
### MPT24BKT1 Multi-Position Tall Bracket (MPT) Installation of FlexHead Commercial Ceiling Flexible Sprinkler Drop System

Recommend the use of proper PPE for installation. MPT-24-BKT1 is approved for use with the standard FlexHead® and SuperFlex™ Flexible Sprinkler Hose in accordance to NFPA 13, 13D, & 13R for use in wet and dry sprinkler system. The Standard & SuperFlex™ Flexible sprinkler hoses are UL

approved for limited flexibility and are intended for direct sprinkler connection.



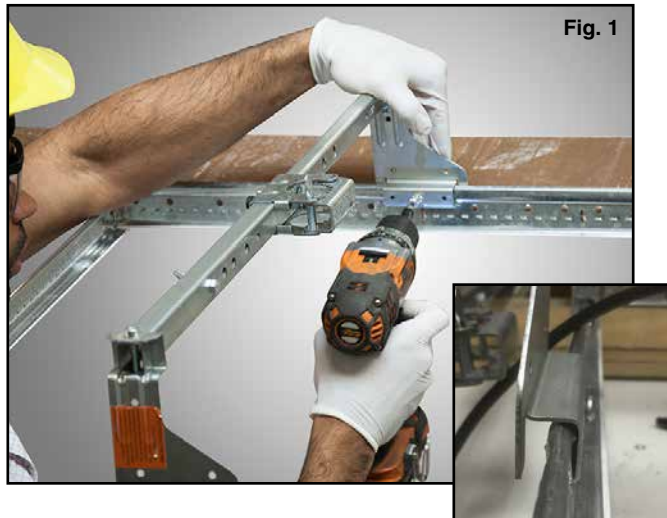
The MPT bracket is set for 24" center of tile installation. (See back side for additional installation configurations)



## 1 T Bar Ceiling Grid Installation

The MPT bracket is designed for use on ceiling grids conforming to ASTM C 635\*.

Locate the center of the ceiling tile marking, align the offset screw with that marking for true center of tile installation. Insert one bracket leg at a time, applying a downward pressure on the bracket leg and T-Bar. Screw the self tapping screw using a #2 square head driver. Place the second leg on the T-Bar and repeat process. (Fig. 1)



## 2 FlexHead Flexible Hose Installation

**A.** For threaded fitting branch connection: Apply Teflon® tape or pipe sealant to the 1" NPT thread. Install into branch outlet. Tighten the hose using the pipe section, never apply a wrench to the braided hose when installing.

**B.** For groove connection follow the grooved coupling manufacturer's installation instructions.

**C.** For SLT connection follow Gruvlok® installation instructions, "Fig 7074SLT SlideLOK® Ready for Installation Cap & Fitting Instructions".

The FlexHead connection can be installed in any direction from the branch. Ensure the hose is allowed at least one bend per installation to allow for seismic movement. (See fiction Loss Chart on Page 3 for details)



*Do not wrench on braided hose*

\*Intended for use on ASTM C 635 intermediate or heavy duty ceilings systems installed in accordance to ASTM C 636.

**3 Secure the Flexhead Sprinkler Drop to MPT Bracket** – Maneuver the flexible sprinkler drop from the branch to the MPT bracket. Review that the hose length, number of bends, and bend radius are applicable for the installation per NFPA guidelines. (See corresponding hose submittal for installation information.)

The MPT bracket has an open hub for ease of installation. Open the hinge apparatus by turning the locking shaft ¼ turn. Slide the flexible hose drop into the hub. Ensure the drop is vertical, and the SS Flexible® hose is not applying a substantial moment on the bracket causing sprinkler misalignment. Latch the hinge door close and adjust the sprinkler drop for desired ceiling height. Tightening the set screw till hand tight plus two full revolutions, (130 in-lbs). (Fig. 3a and 3b)

Install desired sprinkler head, per the manufacturer's installation instructions.

**4 Ceiling Tile Installation** – The flexible sprinkler drop system with MPT Bracket is able to be installed prior to the ceiling tile installation, preventing the need for sprinkler contractor tile adjustment.

For ease of tile installation, cut the largest sprinkler hole recommended by the manufacturer. The largest hole that is still covered by the sprinkler escutcheon allows for an easier install.

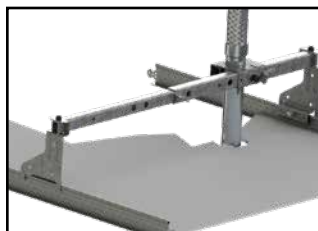
Angle the tile at 45 degrees and push the tile through the hole and up above the ceiling T-bar, maneuver the tile and allow it to drop in the proper location. (Fig. 4)



**Installation Complete**



## Installation Configurations



24" Tile – 24/4  
Quarter Mark Position



16" Tile – 16/2  
Center Position



16" Metal Stud  
Center Position♦



14 1/2" Wood Stud  
Center Position♦

U.S. and International Patent Pending: #6,123,154, #6,119,784, #6,752,218, #7,032,680, #6,488,097  
20XXET with MPT-24BKT1 Bracket has not been evaluated by UL.  
♦FM Approved, Installation has not been evaluated by UL.

FRICITION LOSS DATA & SPECIFICATIONS															
Model Number	Outlet Orifice Size	Hose Assembly Length	Minimum Bend Radius		Max. Number of 90° Bends			Equivalent Length of 1 in. Schedule 40 Pipe (Ft.)						Max. Rated Working Pressure	
			FM	UL	UL	FM	UL	FM						FM	UL
								5.6 k-Factor	8.0 k-Factor	11.2 k-Factor	14.0 k-Factor	16.8 k-Factor	22.4 k-Factor		
In./cm.	In./mm.	In./mm.	In./mm.	In./mm.	In./mm.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	PSI/Kpa	PSI/Kpa		
<b>SuperFlex 1" Internal Diameter (I.D) Hose Series</b>															
2036SF-50	½ 1.27	36 914	7 178	2 50.8	5	2	30 9.1	16.2 4.9	16.9 5.1	11.5 3.5	—	—	—		
2048SF-50		48 1219			8	3	47 14.3	28.7 8.7	29.3 8.9	15.4 4.7	—	—	—		
2072SF-50		72 1828			12	4	71 21.6	53.9 16.4	54.3 16.5	23.2 7	—	—	—		
2036SF-75	¾ 1.90	36 914	7 178	2 50.8	5	2	29 8.8	—	21.5 6.5	21.6 6.5	21.8 6.6	22 6.7	—		
2048SF-75		48 1219			8	3	44 13.4	—	30.5 9.2	30.6 9.3	31.1 9.4	30.8 9.3	—		
2072SF-75		72 1828			12	4	70 21.3	—	48.5 14.7	48.8 14.8	49.9 15.2	48.6 14.8	—		
<b>SuperFlex Elbow 1" Internal Diameter (I.D) Hose Series</b>															
2036ESF-50	½ 1.27	36 914	7 178	N/A	—	2	—	25.8 7.8	26.1 7.9	12.5 3.8	—	—	—	175 1205	175 1205
2048ESF-50		48 1219			—	3	—	36.1 11	36.3 11	17.6 5.3	—	—	—		
2072ESF-50		72 1828			—	4	—	57.3 17.4	56.9 17.3	27.8 8.4	—	—	—		
2036ESF-75	¾ 1.90	36 914	7 178	N/A	—	2	—	—	25.2 7.6	26 7.9	25.9 7.9	25.7 7.8	—	175 1205	175 1205
2048ESF-75		48 1219			—	3	—	—	32.9 10	33 10	33 10	33 10	—		
2072ESF-75		72 1828			—	4	—	—	48.5 14.8	47 14.3	47.3 14.4	47.6 14.5	—		
<b>Flexhead Standard Tall 1" Internal Diameter (I.D) Hose Series</b>															
2024T-50	½ 1.27	24 610	8 200	3 76.2	3	1	11 3.4	18.4 5.6	7.7 2.3	7.6 2.3	—	—	—	175 1205	175 1205
2036T-50		36 914			3	2	16 4.9	26.6 8.1	11.5 3.5	11.5 3.5	—	—	—		
2048T-50		48 1219			4	3	24 7.3	30.3 9.2	15.3 4.6	15.4 4.7	—	—	—		
2060T-50		60 1524			4	4	29 8.8	35.8 10.9	19.1 5.8	19.3 5.8	—	—	—		
2072T-50		72 1828			4	4	35 10.7	45.6 13.9	23.0 7	23.2 7	—	—	—		
2024T-75	¾ 1.90	24 610	8 200	3 76.2	3	1	12 3.7	—	7.3 2.2	5.9 1.8	14.7 4.5	7.1 2.1	—	175 1205	175 1205
2036T-75		36 914			3	2	18 5.5	—	21.5 6.5	10.4 3.1	21.8 6.6	10.9 3.3	—		
2048T-75		48 1219			4	3	23 7.0	—	30.5 9.3	14.9 4.5	29 8.8	14.8 4.5	—		
2060T-75		60 1524			4	4	29 8.8	—	39.5 12	19.4 5.9	36.1 11	18.7 5.6	—		
2072T-75		72 1828			4	4	32 9.8	—	48.5 14.7	24.0 7.3	43.2 13.1	22.6 6.8	—		
<b>Flexhead Standard Tall Elbow 1" Internal Diameter (I.D) Hose Series</b>															
2024ET-50	½ 1.27	24 610	8 200	3 76.2	3	1	19 5.8	26.4 8.0	6.8 2	7.4 2.2	—	—	—	175 1205	175 1205
2036ET-50		36 914			3	2	23 7.0	30.1 9.1	11.8 3.6	12.5 3.8	—	—	—		
2048ET-50		48 1219			4	3	27 8.2	33.8 10.3	16.9 5.1	17.6 5.3	—	—	—		
2060ET-50		60 1524			4	4	32 9.8	37.5 11.4	21.9 6.6	22.7 6.9	—	—	—		
2072ET-50		72 1828			4	4	35 10.7	41.2 12.5	27.0 8.2	27.8 8.4	—	—	—		

See Table Notes on Page 8.



FRICTION LOSS DATA & SPECIFICATIONS																	
Model Number	Outlet Orifice Size	Hose Assembly Length	Minimum Bend Radius		Max. Number of 90° Bends			Equivalent Length of 1 in. Schedule 40 Pipe (Ft.)						Max. Rated Working Pressure			
			FM	UL	UL	FM	UL	FM						FM	UL		
								5.6 k-Factor	8.0 k-Factor	11.2 k-Factor	14.0 k-Factor	16.8 k-Factor	22.4 k-Factor				
	In./cm.	In./mm.	In./mm.	In./mm.	In./mm.	In./mm.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	PSI/Kpa	PSI/Kpa			
2024ET-75	¾ 1.90	24 610	8 200	3 76.2	3	1	18 5.5	—	8.8 2.6	8.7 2.6	14.7 4.5	8.2 2.5	—	175 1205	175 1205		
2036ET-75		36 914					3	2	23 7.0	—	25.5 7.7	14.2 4.2	21.8 6.6			13 3.9	—
2048ET-75		48 1219					4	3	23 7.0	—	32.9 10	18.4 5.6	29 8.8			17.8 5.4	—
2060ET-75		60 1524					4	4	29 8.8	—	40.6 12.3	22.7 6.9	36.1 11.0			22.6 6.8	—
2072ET-75		72 1828					4	4	32 9.8	—	48.5 14.7	27.0 8.2	43.2 13.1			27.5 8.3	—
Flexhead High Pressure 1" Internal Diameter (I.D.) Hose Series																	
2024H-50	½ 1.27	24 610	8 200	3 76.2	3	2	11 3.4	18.4 5.6	7.7 2.3	7.6 2.3	—	—	—	300 2068	300 2068		
2036H-50		36 914					3	3	16 4.9	26.6 8.1	11.5 3.5	11.5 3.5	—			—	—
2048H-50		48 1219					4	4	24 7.3	30.3 9.2	15.3 4.6	15.4 4.7	—			—	—
2060H-50		60 1524					4	4	29 8.8	35.8 10.9	19.1 5.8	19.3 5.8	—			—	—
2072H-50		72 1828					4	4	35 10.7	45.6 13.9	23.0 7	23.2 7	—			—	—
2024H-75	¾ 1.90	24 610	8 200	3 76.2	3	2	12 3.7	—	14.7 4.5	6.8 2.0	14.7 4.5	7.1 2.1	—	300 2068	300 2068		
2036H-75		36 914					3	3	18 5.5	—	21.5 6.5	11.4 3.4	21.8 6.6			10.9 3.3	—
2048H-75		48 1219					4	4	23 7.0	—	30.5 9.2	16.0 5.1	29 8.8			14.8 4.5	—
2060H-75		60 1524					4	4	29 8.8	—	39.5 12	20.6 6.2	36.1 11.0			18.7 5.7	—
2072H-75		72 1828					4	4	32 9.8	—	48.5 14.7	25.3 7.7	43.2 13.1			22.6 6.8	—
Flexhead High Pressure Elbow 1" Internal Diameter (I.D.) Hose Series																	
2024HE-50	½ 1.27	24 610	8 200	3 76.2	3	2	19 5.8	14.7 4.5	6.8 2	7.4 2.2	—	—	—	300 2068	300 2068		
2036HE-50		36 914					3	3	23 7.0	21.8 6.6	11.8 3.6	12.5 3.8	—			—	—
2048HE-50		48 1219					4	4	27 8.2	29.0 8.8	16.9 5.1	17.6 5.3	—			—	—
2060HE-50		60 1524					4	4	32 9.8	36.1 11	21.9 6.6	22.7 6.9	—			—	—
2072HE-50		72 1828					4	4	35 10.7	43.2 13.1	27.0 8.2	27.8 8.4	—			—	—
2024HE-75	¾ 1.90	24 610	8 200	3 76.2	3	2	18 5.5	—	14.7 4.5	—	14.7 4.5	8.2 2.5	—	300 2068	300 2068		
2036HE-75		36 914					3	3	23 7.0	—	25.2 7.7	26 7.9	21.8 6.6			13 3.9	—
2048HE-75		48 1219					4	4	23 7.0	—	32.9 10	33 10	29 8.8			17.8 5.4	—
2060HE-75		60 1524					4	4	29 8.8	—	40.5 12.3	40 12.2	36.1 11.0			22.6 6.8	—
2072HE-75		72 1828					4	4	32 9.8	—	48.5 14.8	47 14.3	43.2 13.1			27.5 8.3	—
Flexhead Dry Pendent System 1" Internal Diameter (I.D.) Hose Series																	
2024-DPS	1 2.54	24 610	7 180	—	—	1	—	18.4 5.6	7.7 2.3	7.6 2.3	—	7.1 2.1	10.7 3.3	—	175 1205		
2036-DPS		36 914					—	2	—	26.6 8.1	11.5 3.5	11.5 3.5	—			10.9 3.3	15.1 4.6
2048-DPS		48 1219					—	3	—	30.3 9.2	15.3 4.7	15.4 4.7	—			14.8 4.5	21.5 6.5
2060-DPS		60 1524					—	4	—	35.8 10.9	19.1 5.8	19.3 5.9	—			18.7 5.7	25.3 7.7
2072-DPS		72 1828					—	4	—	45.6 13.9	23 7	23.2 7	—			22.6 6.9	26.9 8.1

See Table Notes on Page 8.

FRICTION LOSS DATA & SPECIFICATIONS															
Model Number	Outlet Orifice Size	Hose Assembly Length	Minimum Bend Radius		Max. Number of 90° Bends			Equivalent Length of 1 in. Schedule 40 Pipe (Ft.)						Max. Rated Working Pressure	
			FM	UL	UL	FM	UL	FM						FM	UL
								5.6 k-Factor	8.0 k-Factor	11.2 k-Factor	14.0 k-Factor	16.8 k-Factor	22.4 k-Factor		
In./cm.	In./mm.	In./mm.	In./mm.	In./mm.	In./mm.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	Ft./m.	PSI/Kpa	PSI/Kpa		
<b>Flexhead Institutional 1" Internal Diameter (I.D) Hose Series</b>															
2024I	½ 1.27	24 610	8 200	3 76.2	3	1	11 3.4	18.4 5.6	—	—	—	—	—	175 1205	175 1205
2036I		36 914			3	3	16 4.9	26.6 8.1	—	—	—	—			
2048I		48 1219			4	4	24 7.3	30.3 9.2	—	—	—	—			
2060I		60 1524			4	4	29 8.8	35.8 10.9	—	—	—	—			
2072I		72 1828			4	4	35 10.7	45.6 13.9	—	—	—	—			
2024I	¾ 1.90	24 610	8 200	3 76.2	3	1	12 3.7	—	—	—	11.6 3.5	—	—	175 1205	175 1205
2036I		36 914			3	2	18 5.5	—	—	—	16 4.9	—	—		
2048I		48 1219			4	3	23 7.0	—	—	—	17.9 5.4	—	—		
2060I		60 1524			4	4	29 8.8	—	—	—	24.7 7.5	—	—		
2072I		72 1828			4	4	32 9.8	—	—	—	28.9 8.8	—	—		
<b>Flexhead Institutional for use with Amerlux Ceiling System - 1" Internal Diameter (I.D) Hose Series</b>															
2024IA	½ 1.27	24 610	8 200	—	—	1	11 3.4	—	18.4 5.6	—	—	—	—	175 1205	175 1205
2036IA		36 914			—	2	16 4.9	—	26.6 8.1	—	—	—	—		
2048IA		48 1219			—	3	24 7.3	—	30.3 9.2	—	—	—	—		
2060IA		60 1524			—	4	29 8.8	—	35.8 10.9	—	—	—	—		
2072IA		72 1828			—	4	35 10.7	—	45.6 13.9	—	—	—	—		

**NOTES:**

**Model Numbers:**

- "SF" designates SuperFlex™ Hose series.
- "ESF" designates SuperFlex™ Elbow Hose series.
- "E" designates elbow drop hose series
- "T" designates straight tall style hose
- "ET" designates elbow tall style hose series.
- "H" designates high pressure 300psi working pressure hose series.
- "HE" designates high pressure 300psi elbow hose series.
- "DPS" designates dry pendant system.
- "DT" designates drain tee hose series used in dry pendent/freezer application.
- "DPS" and "DT" models are approved for use in cold storage application (Freezer, Cold Chamber) and combine an approved flexible sprinkler hose and an approved dry pendent sprinkler. UHO-1 or UHO-3 is required to connect the flexible sprinkler hose to the dry sprinkler.
- "I" indicates institutional flexible hose.
- "A" indicates models for use with Amerlux Ceiling System.
- "50" designates ½" Outlet Hose series. The "75" designates ¾" Outlet Hose series. Inlet size 1".
- Max Ambient Temperature Rating on all model numbers are 300° F (148° C).
- Equivalent lengths are shown with maximum number of 90° bends at the minimum bend radius per agency. 2-45° or 3-30° bend equal 1-90° bend. Different values were obtained by FM and UL due to the difference in minimum bend radius, testing protocol and calculation methods. Please see individual standards for more information relative to Friction Loss (equivalent length of pipe).
- All hoses require a minimum of one bend for installation. Bend radius tool available for 3" bend "T" hose, "SF" hose does not require bend radius tool.
- FM equivalent length calculation includes Sprinkler Head Friction Loss.
- See listing(s) approval agency for the latest approval details.