

Multi-Position Tall Bracket Fig. BKT-MPT



Fig. BKT-MPT cULus & FM Listed Hoses

Fig. BKT-MPT cULus & FM Listed Hoses	cULus Listed	FM Approved
20XXT	✓	✓
20XXET	✓	✓
20XXE*		✓
20XXSF	✓	✓
20XXSF-CS*	✓	✓
20XXSF-SLT	✓	✓
20XXSF-CS-SLT		✓
20XXH*		✓
20XXHE*		✓
20XXI	✓	✓
20XX-DPS		✓
20XX-DPS-DT		✓

*Requires consideration to ensure the desired sprinkler elevations can be achieved.
Note: Brackets are only UL Listed and FM Approved when installed with FlexHead brackets listed above.

Product Specifications

Bracket Length

24", 16", 14½" – Adjustable in Length

Material

Carbon Steel – Zinc Galvanized

Applications

- Suspended Ceilings per ASTM C635 & C636
- Wood Framing – Gypsum or Dry Wall
- Steel Framing – Gypsum or Dry Wall

Features

- Open hub design for ease of installation.
- Bracket hub set for Center-of-Tile installation out of the box.
- Wide body prevents rotation and ensures stability
- Bracket hub adjustable between quarter and mid points
- Bracket adjustable between 14.5", 16", and 24"
- Allows for ceiling tile installation after hose and sprinkler installation

Ordering

Specify figure number & description

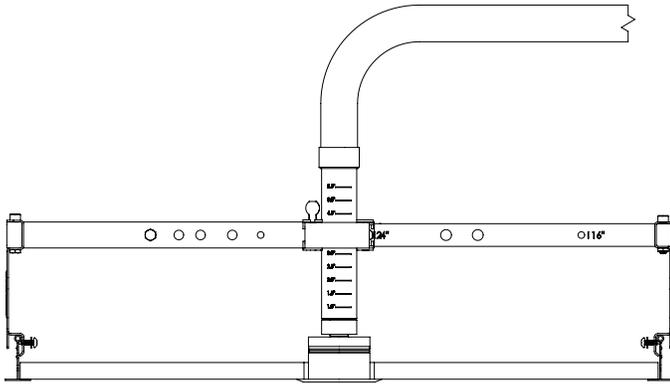


PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

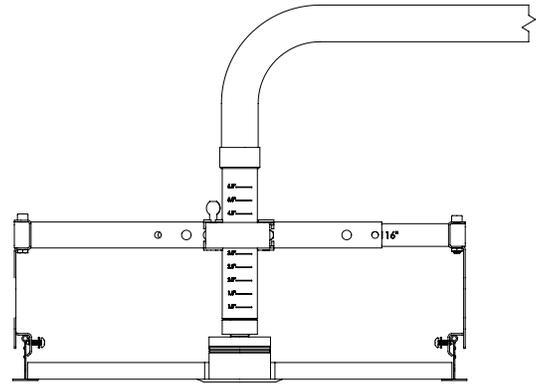
Multi-Position Tall Bracket Fig. BKT-MPT

Applications

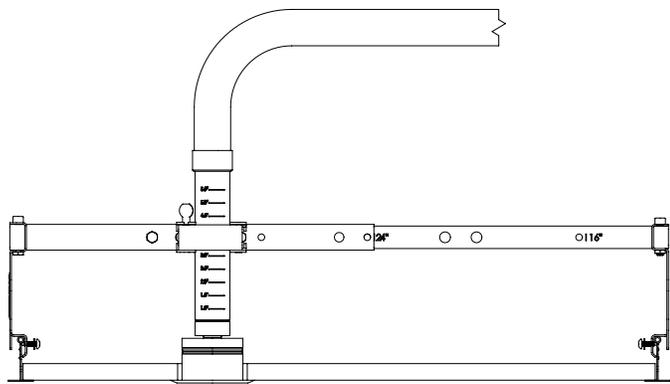
Suspended Ceilings



Mid-Point Installation - 24" Bracket Position

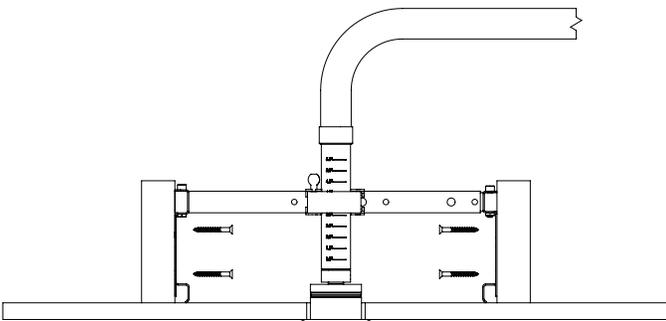


Mid-Point Installation - 16" Bracket Position

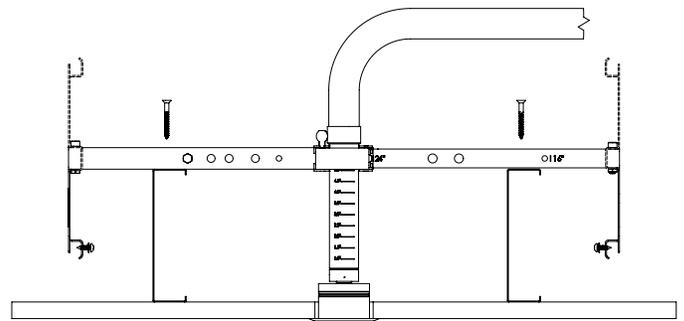


Quarter-Point Installation - 24" Bracket Position

Wood Framing & Steel Framing – Gypsum or Dry Wall – Ceiling or Sidewall



16" On-Center Wood Frame Installation
14.5" Bracket Position



16" On-Center Wood & Steel Frame Installation
24" Bracket Position (Shown on Steel Framing)

Multi-Position Tall Bracket
Fig. BKT-MPT

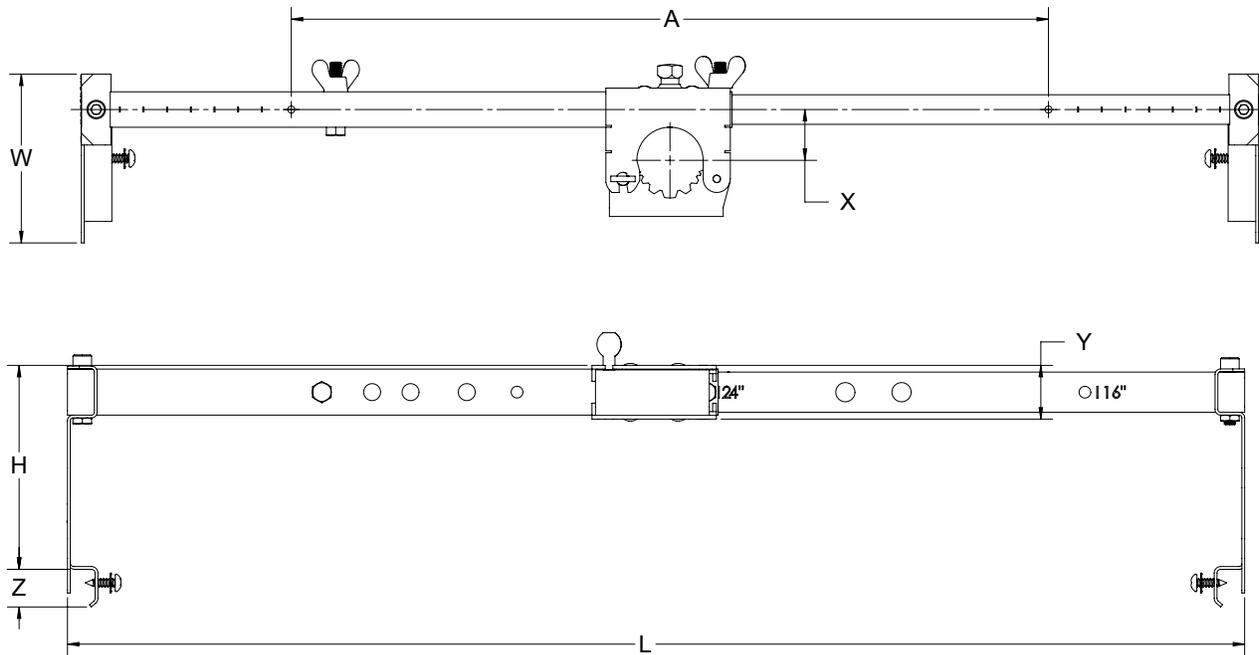


Fig. BKT-MPT Dimensions & Model Number

L	W	H	A*	Y	Z	FlexHead Historical Model Number
in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	
14.5 - 24.0 610 - 368	3.00 152.4	4.30 109.2	16.00 406.4	1.14 29.0	0.80 20.3	MPT-24-BKT1

*A dimension applicable when the bracket body is in the 24" position.

General Notes

Installation & maintenance of FlexHead products shall be in accordance with applicable local and federal codes (E.g. NFPA 13, NFPA 13R, NFPA 13D, NFPA 25, FM Datasheets, IBC).

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Installation Instructions

Connection to Suspended Ceiling T-bar (24" & 16" Bracket Position)

- 1 Determine the location of the sprinkler above the suspended ceiling tile. Position the bracket legs and hub in the desired location on suspended ceiling T-bar.
Note: The hub and self-drilling mounting screws are in the true center of the bracket.
- 2 Install one bracket leg at a time, applying a downward pressure on the bracket leg and T-bar.
- 3 Install the self-drilling mounting screw into the suspended ceiling T-bar using a #2 square head drive. Repeat on both sides of the bracket. See Figure 1.

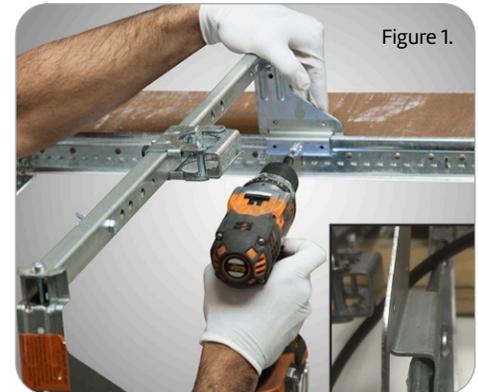


Figure 1.

Connection to Wood Frames in Gypsum or Drywall (14.5" Bracket Position)

- 1 Determine the location of the sprinkler between the wood frames.
- 2 Adjust the position of the bracket hub to the desired position if necessary.
- 3 Install three (3) screws through the holes in the leg into each wood frame. Six (6) screws total per bracket.
 - a Wood Frames: #8 Self Tapping Screw

Connection to Steel & Wood Frames in Gypsum or Drywall (24" Bracket Position)

- 1 Determine the location of the sprinkler between the steel or wood frames.
- 2 Adjust the position of the bracket hub to the desired position if necessary.
- 3 Install one (1) screw through the top hole in the bracket cross bar into each wood frame. Two (2) screws total per bracket. The legs may be removed if necessary.
 - a Wood Frames: #8 Self Tapping Screw (1-3/4" length minimum)
 - b Steel Frames: #8 Self Tapping Screw (1-3/4" length minimum)



Figure 3b.

Connection to the Flexible Sprinkler Hose

- 1 Open the hinge door on the bracket hub by rotating the locking shaft 1/4 turn.
- 2 Slide the flexible hose drop into the hub.
- 3 Close the hinge door and re-lock the locking shaft with a 1/4 turn.
- 4 Ensure the flexible hose drop is straight and not applying a substantial moment on the bracket which may cause sprinkler misalignment.
- 5 Adjust the flexible hose drop to the desired height and tighten the set screw hand-tight plus 2 turns (130 in-lbs). See Figure 2.

Adjusting the Bracket Hub & Bracket Length

- 1 Remove the set screw and wing bolt holding the hub to the bracket body. Slide the hub along the bracket body to the desired position.
- 2 Push the legs together until the bracket body is at the desired length.
- 3 Re-install the set screw and wing bolt into the hub. Hand tight plus a 1/2 turn.

Suspended Ceiling Tile Installation

- 4 The BKT-MPT bracket may be installed prior to the ceiling tile installation, preventing the need for sprinkler contractor tile adjustment.
- 5 For ease of tile installation, cut the largest sprinkler hole recommended by sprinkler head manufacturer. The largest hole that is still covered by the sprinkler escutcheon allows for an easier install.
- 6 Angle the tile at a 45° angle 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. See Figure 3.



Figure 4.