

FLEXIBLE SPRINKLER DROP HOSE UNBRAIDED CONNECTIONS



- Save Time & Money
- No cutting, no welding, no threading
- Perfect for retrofit applications
- Easy to move for layout changes

Full assembly includes Stainless Steel Unbraided Hose, Reducing Discharge Nipple, 1" Inlet Nipple, Hinged Lever Center Bracket, two End Brackets & 24" Square Bar

TECHNICAL DATA

- UL Approved for Unbraided
- Rated Pressure: 203 PSI (14 Bar)
- Max. Burst Pressure: 875 PSI (70 Bar)
- Maximum Ambient Temperature: 225°F (107°C)
- Maximum Sprinkler K-factor for 1/2" outlet: 8.0 gal/mm/(psi)^{1/2}
- Maximum Sprinkler K-factor for 3/4" outlet: 14.0 gal/mm/(psi)^{1/2}
- Designed for use in wet and dry systems
- Flexibility Type: Limited
- Hose Diameter: O.D. 1-1/16" / Flow 7/8"



Friction Loss Data and Specifications

UNBRAIDED



Length	1/2" NPT		3/4" NPT		Max. # of Bends	Min. Bending Radius
	ITEM #	Equivalent Length of 1" Sch 40 Pipe*	ITEM #	Equivalent Length of 1" Sch 40 Pipe*		
AR-UB FLEX-07 28" (0.6 m)	6530160	27 ft	6530170	28 ft	2	4"
AR-UB FLEX-10 40" (0.9 m)	6530161	37 ft	6530171	41 ft	2	4"
AR-UB FLEX-12 48" (1.2 m)	6530162	49 ft	6530172	47 ft	2	4"
AR-UB FLEX-15 60" (1.5 m)	6530163	63 ft	6530173	64 ft	3	4"
AR-UB FLEX-18 72" (1.8 m)	6530164	78 ft	6530174	80 ft	4	4"

*Based on UL Listing

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COMPONENT LIST

NO	Part Name	Material	QTY
1	Corrugated Tube	304 Stainless Steel	1
2	Nut	Galv Steel (ASTM283)	2
3	Isolation Ring	Nylon 66	1
4	O-Ring	EPDM	1
5	Reducer	Zinc Plated Steel	1
6	Nipple	Galv Steel (ASTM283)	1
7	Center Bracket	Galv Steel (ASTM283)	1
8	End Bracket	Galv Steel (ASTM283)	2
9	Square Bar	Galv Steel (ASTM283)	1

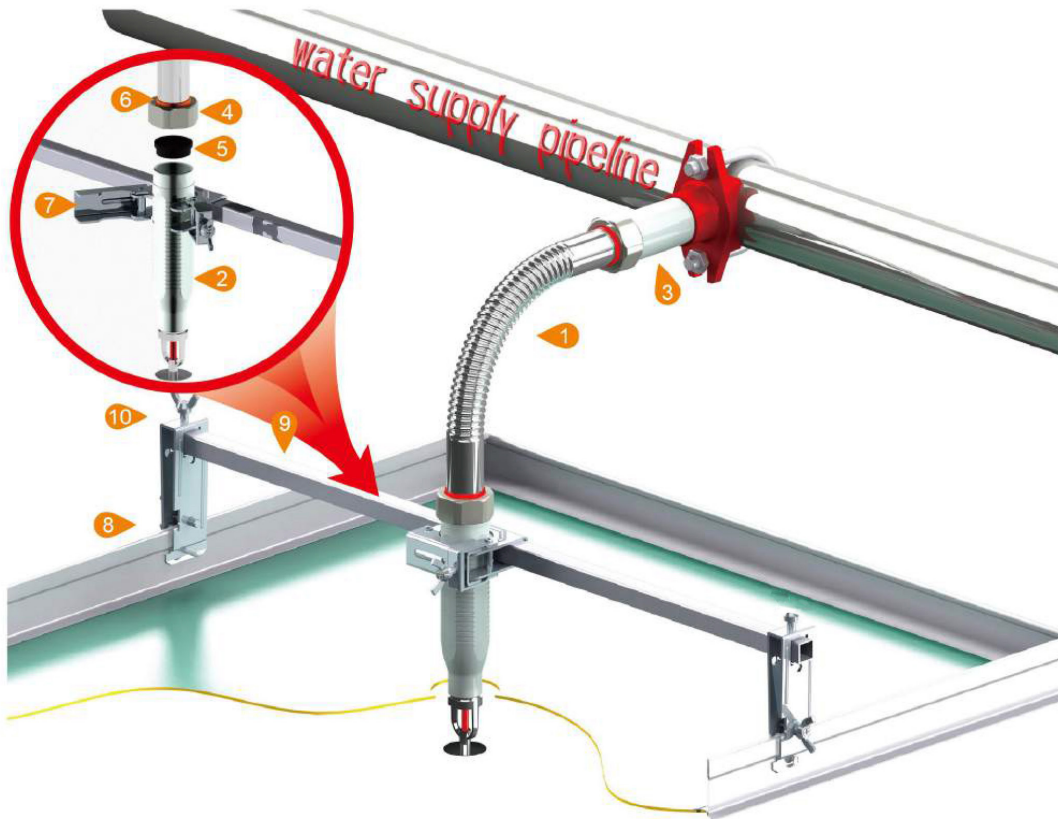
Anchoring components are intended for use with drop ceilings conforming to ASTM C635 and other major standards when installed in accordance with the standard practice for installation of metal ceiling suspension systems for acoustical tile and lay-in panel, ASTM C635 or other equivalent standards.

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

FLEXIBLE SPRINKLER DROP HOSE UNBRAIDED CONNECTIONS



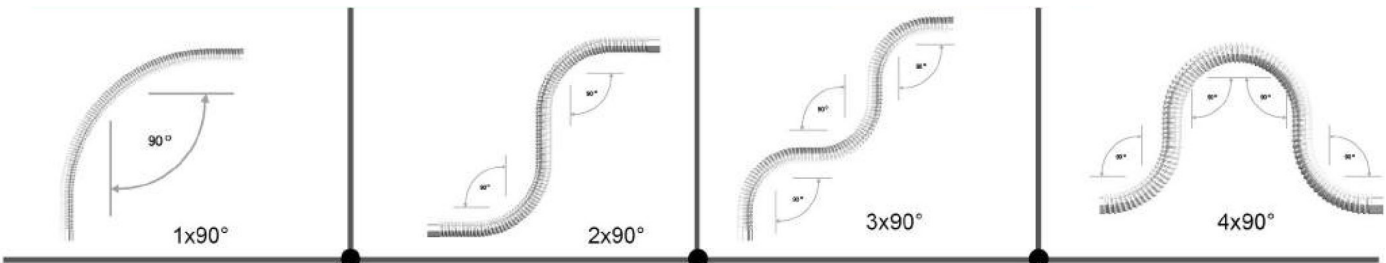
ARGCO's hoses are manufactured with corrosion resistant AISI Grade 304 Stainless Steel corrugated high flexibility tube with two hex slip nuts and high integrity O-ring seals with a burst test pressure of 70 bar/875 psi at ambient temperature, providing flexibility, high performance durability and reliability.



MAIN COMPONENTS & MATERIALS

1. FLEXIBLE TUBE	304 STAINLESS STEEL	6. ISOLATION RING	NYLON 66
2. DISCHARGE NIPPLE 1"	ZINC PLATED STEEL	7. CENTER BRACKET	ZINC PLATED STEEL
3. INLET NIPPLE	ZINC PLATED STEEL	8. END BRACKET(S)	ZINC PLATED STEEL
4. NUT	ZINC PLATED STEEL	9. SQUARE BAR	ZINC PLATED STEEL
5. SEALING GASKET	EPDM	10. BOLTS & SCREWS	ZINC PLATED STEEL

HOSE BENDING PARAMETERS



FLEXIBLE SPRINKLER DROP HOSE INSTALLATION INSTRUCTIONS



Determine the approximate place where the sprinklers will be located. The sprinkler should be located as close as possible to the center of the distance between ceiling grid's T-bars.

CONNECT INLET NIPPLE

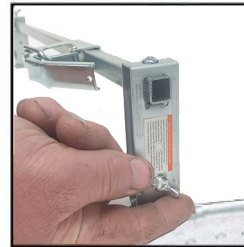
Use a pipe wrench to screw the INLET NIPPLE into the branch outlet. Apply pipe joint compound or Teflon tape to the tapered threads to seal and tighten the branch line nipple into the branch line outlet, with 35ft-lbs/50N•m.

DO NOT OVERTIGHTEN.



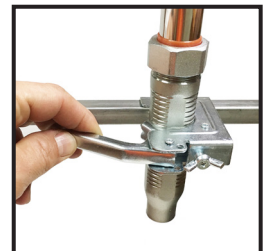
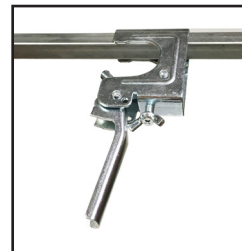
ATTACH BRACKET SET

Attach SIDE BRACKETS to the main rail of of the T-Bar grid and cross the SQUARE BAR through two SIDE BRACKETS, with the CENTER BRACKET in the middle. Tighten all bolts on the side brackets with 3ft-lbs/4N•m.



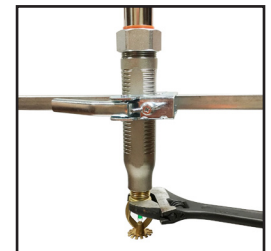
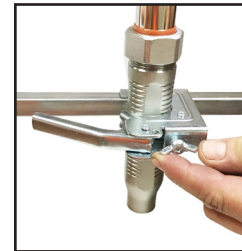
BENDING AND LOCATING

With CENTER BRACKET in the middle of the SQUARE BAR, bend the FLEXIBLE HOSE body as desired (According to hose bending parameters) and locate the DISCHARGE NIPPLE into the CENTER BRACKET and hinge arm and and tighten wing nut with 3ft-lbs/4N•m torque, after the proper location of sprinkler head has beendetermined.



CONNECT DISCHARGE NIPPLE

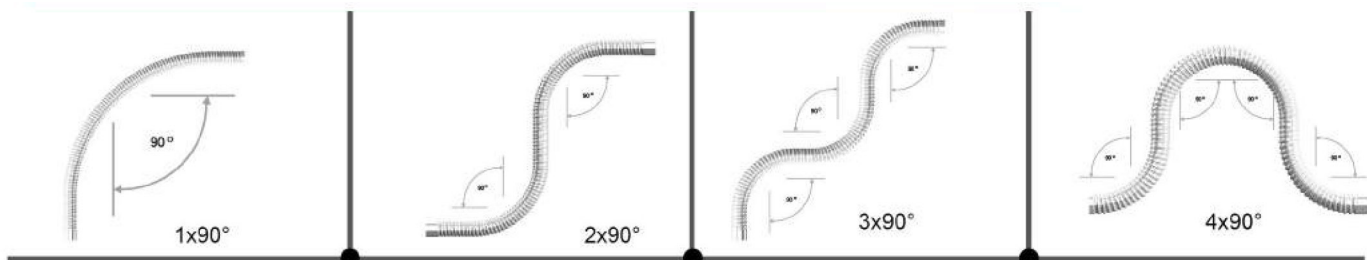
Apply Teflon tape to the male threads of the sprinkler. Tighten slip nuts of CENTER BRACKET and install sprinkler head to discharge nipple by following the sprinkler manufacturer's installation instructions.



TEST

After installation is complete, test the system for leaks in accordance with NFPA guidelines.

HOSE BENDING PARAMETERS



FLEXIBLE SPRINKLER DROP HOSE ACCESSORIES



90° Reducing Nipple
6530190: 1" x 1/2"
6530192: 1" x 3/4"



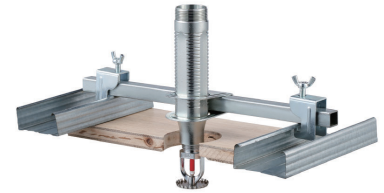
Straight Reducing Nipple
6530181: 1" x 1/2" standard
6530180: 1" x 3/4" standard
6530191: 1" x 1/2" x 9" length



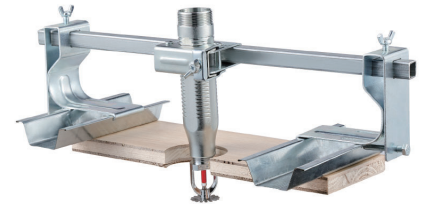
Flex Hose End Brackets
6530185: Standard 4" End Brackets (sold each)
6530183: Short 2-1/4" End Brackets (sold each)



6530194 :
Metal Stud End Bracket
(C-Clamp)



6530195:
Furring Channel End Bracket
(Hat Channel Bracket)



Flex Hose Center Brackets
6530184: Center bracket with hinged lever handle



Flex Hose Square Bar
6530182: 25" Square bar to fit standard ceiling tile grids