



ARGCO

FLEXIBLE SPRINKLER DROPS CATALOG



FLEXIBLE SPRINKLER DROP HOSE
BRAIDED CONNECTIONS



ARGCO Flexible Sprinkler Drops are designed to reduce labor and installation costs by installing without cutting and threading pipe associated with installing a drop, arm-over and elbows. ARGCO offers braided and unbraided hoses in 28, 40, 48, 60 and 72” lengths with simple brackets for suspended ceilings.

Manufactured with corrosion resistant AISI Grade 304 Stainless Steel corrugated high flexibility tube with two hex slip nuts an 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.

National Fire Protection Association (NFPA):

- NFPA 13: Standard for the Installation of Sprinkler Systems
- NFPA 13D: Standard for the Installation of Sprinkler Systems in One and Two-Family Dwellings and Manufactured Homes
- NFPA 13R: Standard for the Installation of Sprinkler Systems in residential Occupancies up to and including four stories in height.
- NFPA 13 Section 9.2.1.3.3.3: No hangers are required for flexible connections as long as the length does not exceed 6 feet.

American Society for Testing Methods (ASTM):

- ASTM C635: Standard specifications for the manufacture, performance, and testing of metal suspension systems for acoustical tile and lay-in panel ceilings
- ASTM C636: Standard practice for installation of metal ceiling suspension systems for acoustical tile and lay-in panels.

Factory Mutual (FM):

- Approved standard for flexible sprinkler hose with threaded end fittings

Underwriter’s Laboratories (UL):

- Standard for flexible sprinkler hose with fittings for fire protection service

International Building Code (IBC):

- Flexible Sprinkler Connections are an alternative solution to install without seismic escutcheons.

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

MEGAFLEX

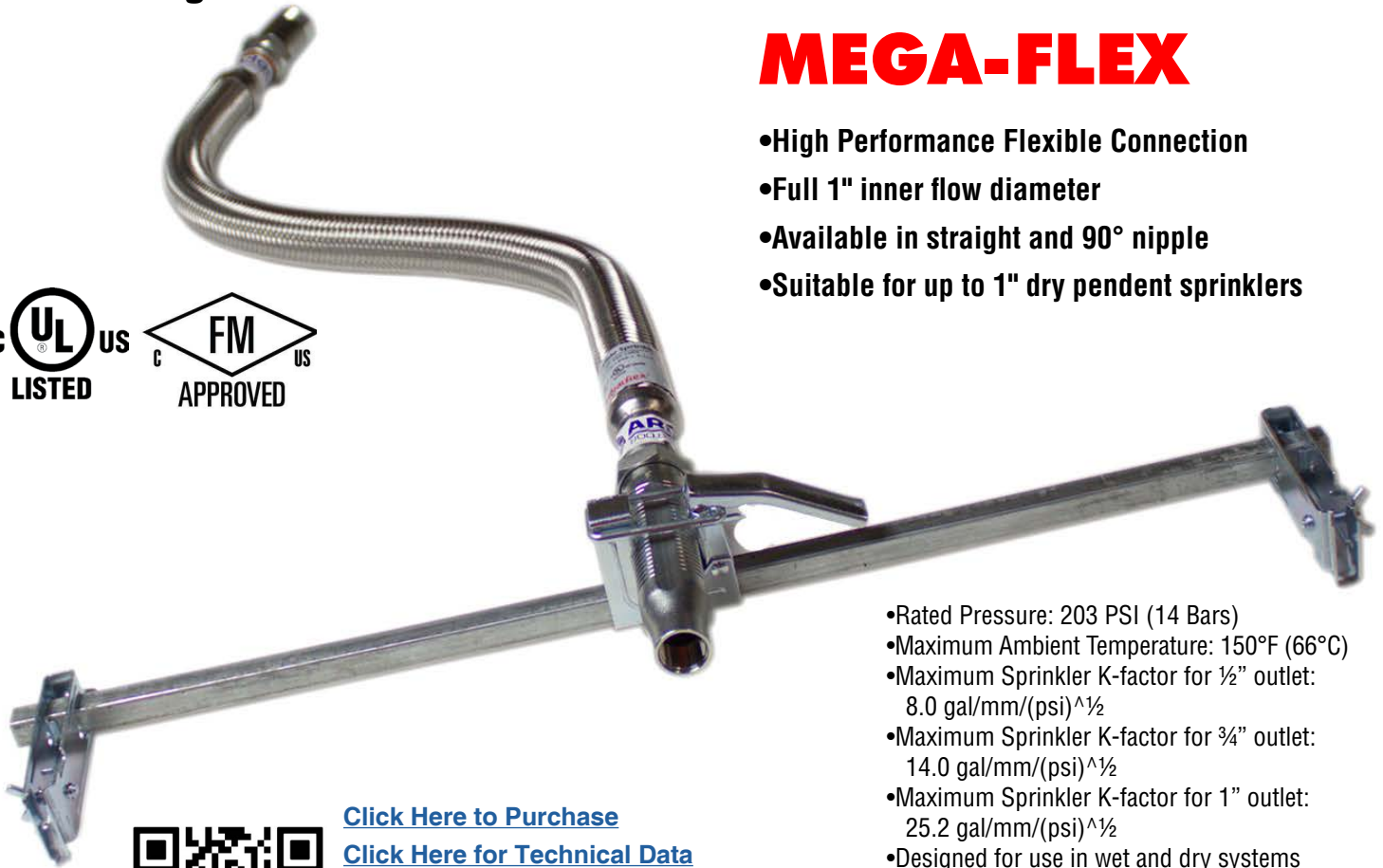
FLEXIBLE SPRINKLER DROP HOSE FULL BORE BRAIDED CONNECTIONS

with Straight End Connection Inlet



MEGA-FLEX

- High Performance Flexible Connection
- Full 1" inner flow diameter
- Available in straight and 90° nipple
- Suitable for up to 1" dry pendent sprinklers



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[Click Here for Technical Data](#)

- Rated Pressure: 203 PSI (14 Bars)
- Maximum Ambient Temperature: 150°F (66°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}
- Maximum Sprinkler K-factor for 1" outlet:
25.2 gal/mm/(psi)^{1/2}
- Designed for use in wet and dry systems
- Flexibility Type: Unlimited
- Minimum Bend Radius: 2"
- Hose Diameter: O.D. 1-3/8" / Flow 1"

Friction Loss Data and Specifications

ITEM #	Length	NPT	Equivalent Length of 1 ft Sch 40 Pipe					
			c UL US LISTED			FM APPROVED		
			UL	Max. # of Bends	Min. Bending Radius	FM	Max. # of Bends	Min. Bending Radius
6530165	28" (0.6 m)	1/2"	18 ft	4	2"	21.5 ft	1	7"
6530166	40" (0.9 m)	1/2"	24 ft	5	2"	28.5 ft	3	7"
6530167	48" (1.2 m)	1/2"	37 ft	8	2"	33.2 ft	3	7"
6530168	60" (1.5 m)	1/2"	49 ft	10	2"	40.2 ft	4	7"
6530169	72" (1.8 m)	1/2"	52 ft	12	2"	47.2 ft	4	7"
6530175	28" (0.6 m)	3/4"	18 ft	4	2"	13.7 ft	1	7"
6530176	40" (0.9 m)	3/4"	24 ft	5	2"	19.5 ft	3	7"
6530177	48" (1.2 m)	3/4"	37 ft	8	4"	23.4 ft	3	7"
6530178	60" (1.5 m)	3/4"	49 ft	10	2"	29.2 ft	4	7"
6530179	72" (1.8 m)	3/4"	52 ft	12	2"	35.0 ft	4	7"

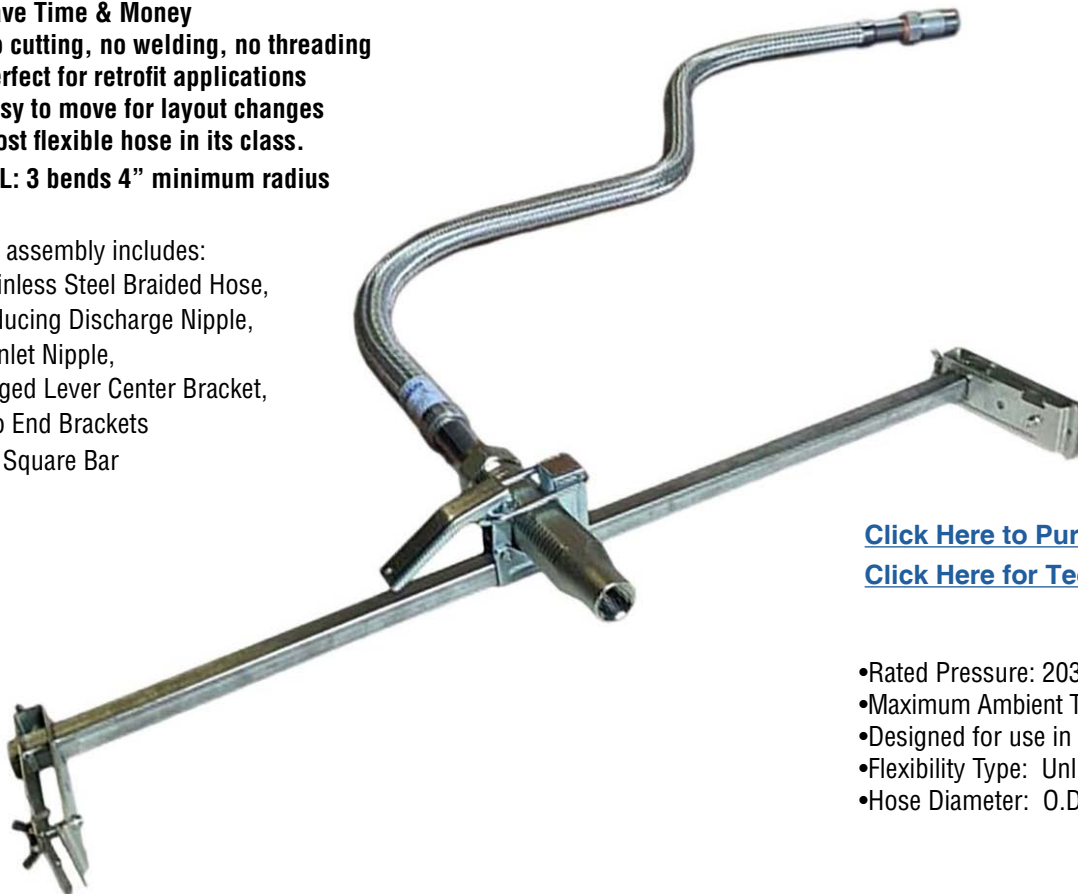
FLEXIBLE SPRINKLER DROP HOSE 3-BEND BRAIDED CONNECTIONS



- Save Time & Money
- No cutting, no welding, no threading
- Perfect for retrofit applications
- Easy to move for layout changes
- Most flexible hose in its class.

UL: 3 bends 4" minimum radius

Full assembly includes:
Stainless Steel Braided Hose,
Reducing Discharge Nipple,
1" Inlet Nipple,
Hinged Lever Center Bracket,
Two End Brackets
24" Square Bar



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[Click Here for Technical Data](#)

- Rated Pressure: 203 PSI (14 Bars)
- Maximum Ambient Temperature: 225°F (107°C)
- Designed for use in wet and dry systems
- Flexibility Type: Unlimited
- Hose Diameter: O.D. 1-1/16" / Flow 13/16"

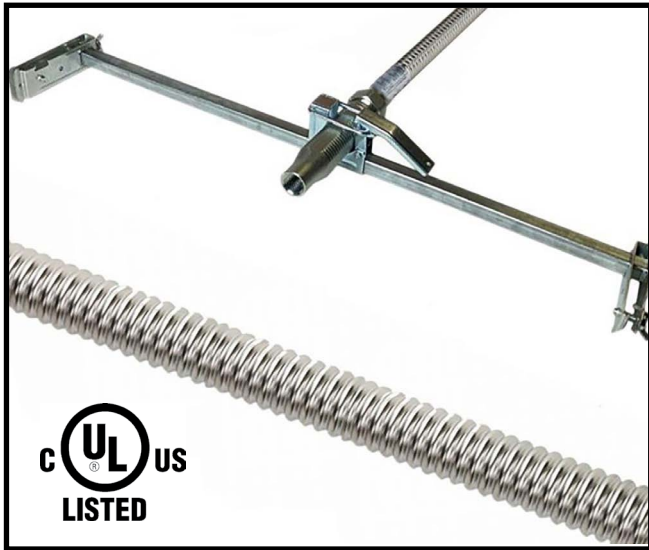
Friction Loss Data and Specifications

ITEM #	Length	NPT	Equivalent Length of 1 ft Sch 40 Pipe					
			c UL US LISTED			FM APPROVED		
			UL	Max. # of Bends	Min. Bending Radius	FM	Max. # of Bends	Min. Bending Radius
6530165A	28" (0.6 m)	1/2"	25 ft	2	4"	26.7 ft	1	10"
6530166A	40" (0.9 m)	1/2"	33 ft	3	4"	42.6 ft	2	10"
6530167A	48" (1.2 m)	1/2"	39 ft	3	4"	53.2 ft	3	10"
6530168A	60" (1.5 m)	1/2"	50 ft	3	4"	67.8 ft	3	10"
6530169A	72" (1.8 m)	1/2"	58 ft	3	4"	82.4 ft	4	10"
6530175A	28" (0.6 m)	3/4"	21 ft	2	4"	22.1 ft	1	10"
6530176A	40" (0.9 m)	3/4"	36 ft	3	4"	40.6 ft	2	10"
6530177A	48" (1.2 m)	3/4"	43 ft	3	4"	53.0 ft	3	10"
6530178A	60" (1.5 m)	3/4"	52 ft	3	4"	64.2 ft	3	10"
6530179A	72" (1.8 m)	3/4"	63 ft	3	4"	75.5 ft	4	10"

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

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
- Most flexible hose in its class.
UL: 3 bends 4" minimum radius

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

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- UL Approved for Unbraided
- Rated Pressure: 203 PSI (14 Bar)
- Max. Burst Pressure: 875 PSI (70 Bar)
- Maximum Ambient Temperature: 225°F (107°C)
- 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

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

*Based on UL Listing

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

FLEXIBLE SPRINKLER DROP HOSE ACCESSORIES



90° Reducing Nipple
for Braided & Unbraided
[6530190](#): 1" x 1/2"
[6530192](#): 1" x 3/4"
for MegaFlex:
[6531190](#): 1" x 1/2"
[6531192](#): 1" x 3/4"



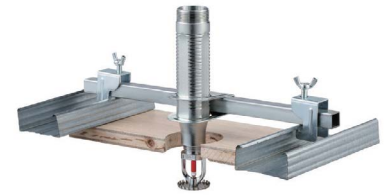
Straight Reducing Nipple
for Braided & Unbraided
[6530181](#): 1" x 1/2" standard
[6530180](#): 1" x 3/4" standard
[6530191](#): 1" x 1/2" x 10" length
for MegaFlex:
[6531181](#): 1" x 1/2" standard
[6531180](#): 1" x 3/4" standard
[6531191](#): 1" x 1/2" x 10" length
[6531191-3/4](#): 1" x 3/4" x 10"



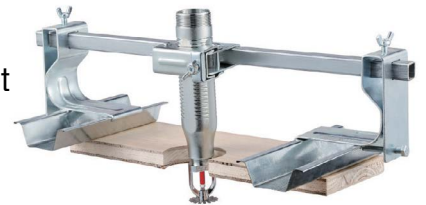
Flex Hose End Brackets
[6530185](#): Standard 4" End Brackets (sold each)
[6530183](#): Short 2-1/4" End Brackets (sold each)



[6530194](#) :
Metal Stud End Bracket
(C-Clamp)



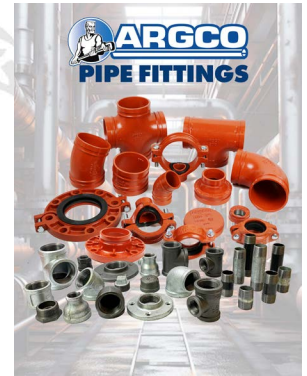
[6530195](#):
Furring Channel End Bracket
(Hat Channel Bracket)



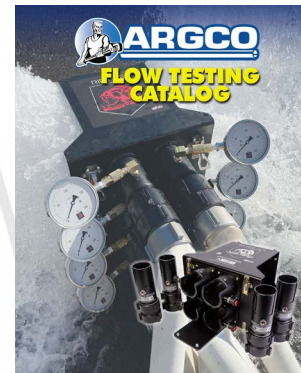
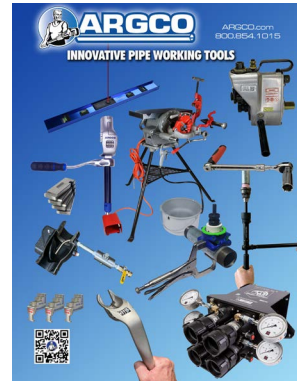
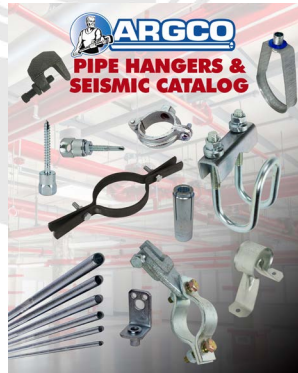
Flex Hose Center Brackets
[6530184](#): Center bracket with hinged lever handle



Flex Hose Square Bar
[6530182](#): 25" Square bar to fit standard ceiling tile grids



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