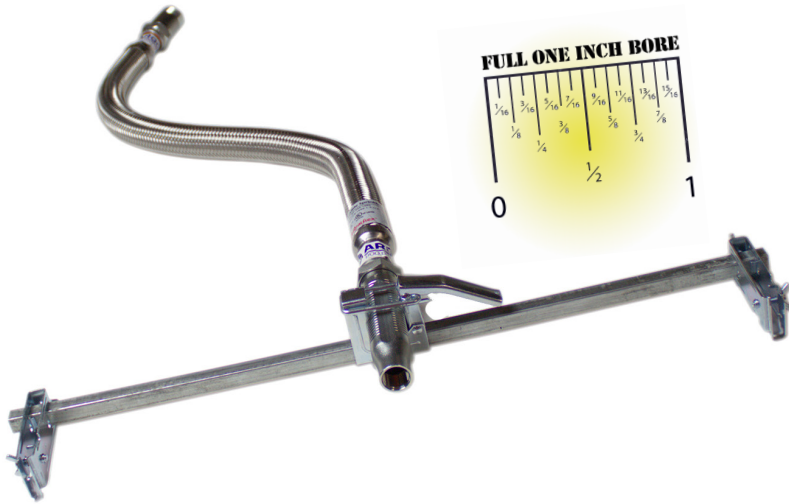


MEGAFLEX

FLEXIBLE SPRINKLER DROP HOSE FULL BORE BRAIDED CONNECTIONS



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



PRODUCT DESCRIPTION

- Series AR-400-BR 1"/DN25 Nominal ID Braided Hose: 28, 40, 48, 60, 72"
- Sprinkler Connections: 1/2", 3/4" and 1" NPT
- Inlet Connections: 1"/25mm NPT
- Straight Reducing Nipple Length: 5.5" (other lengths available)
- 90° Elbows: Short (typically used with concealed sprinklers)
Long (typically used with recessed pendent sprinklers)

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

				Equivalent Length of 1 ft Sch 40 Pipe					
Model	Length	NPT	k-Factor	c  us LISTED			 APPROVED		
				UL	Max. # of Bends	Min. Bending Radius	FM	Max. # of Bends	Min. Bending Radius
AR-400-BR FLEX-07-050	28"	1/2"	5.6 & 8.0	18 ft	4	2"	4.5 ft	1	6.9"
AR-400-BR FLEX-10-050	39"	1/2"	5.6 & 8.0	24 ft	5	2"	9.8 ft	3	6.9"
AR-400-BR FLEX-12-050	47"	1/2"	5.6 & 8.0	37 ft	8	2"	13.4 ft	3	6.9"
AR-400-BR FLEX-15-050	59"	1/2"	5.6 & 8.0	49 ft	10	2"	18.8 ft	4	6.9"
AR-400-BR FLEX-18-050	71"	1/2"	5.6 & 8.0	52 ft	12	2"	24.2 ft	4	6.9"

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.
3 bends 4" minimum radius

TECHNICAL DATA AR-BR-200

- 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

Model	Length	NPT	ITEM #	Equivalent Length of 1 ft Sch 40 Pipe					
				UL LISTED	Max. # of Bends	Min. Bending Radius	FM APPROVED	Max. # of Bends	Min. Bending Radius
AR-BR FLEX-07-050	28" (0.6 m)	1/2"	6530165A	25 ft	2	4"	26.7 ft	1	10"
AR-BR FLEX-10-050	40" (0.9 m)	1/2"	6530166A	33 ft	3	4"	42.6 ft	3	10"
AR-BR FLEX-12-050	48" (1.2 m)	1/2"	6530167A	39 ft	3	4"	53.2 ft	3	10"
AR-BR FLEX-15-050	60" (1.5 m)	1/2"	6530168A	50 ft	3	4"	67.8 ft	3	10"
AR-BR FLEX-18-050	72" (1.8 m)	1/2"	6530169A	58 ft	3	4"	82.4 ft	4	10"
AR-BR FLEX-07-075	28" (0.6 m)	3/4"	6530175A	21 ft	2	4"	22.1 ft	1	10"
AR-BR FLEX-10-075	40" (0.9 m)	3/4"	6530176A	36 ft	3	4"	40.6 ft	3	10"
AR-BR FLEX-12-075	48" (1.2 m)	3/4"	6530177A	43 ft	3	4"	53.0 ft	3	10"
AR-BR FLEX-15-075	60" (1.5 m)	3/4"	6530178A	52 ft	3	4"	64.2 ft	3	10"
AR-BR FLEX-18-075	72" (1.8 m)	3/4"	6530179A	63 ft	3	4"	75.5 ft	4	10"

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



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

TECHNICAL DATA AR-UB-200

- 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

UNBRAIDED



	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*		
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

*Based on UL Listing

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

BUY AMERICAN ACT COMPLIANT



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



Provides a sprinkler drop assembly comprised of the following components:

- 304 Stainless Steel Flexible Hose with Two Slip Nuts
- Branchline Inlet Nipple NPT
- Straight Outlet Sprinkler Reducer (90 degree reducer available)
- Center Bracket, End Brackets, and Square Support Bar
- 90° elbows available



TECHNICAL DATA

- UL Listed FM Approved
- Rated Pressure: UL 200, FM 175 PSI
- Max. Service Pressure: 200 PSI (14 Bars)
- Maximum Ambient Temperature: 225°F (107°C)
- Designed for use in wet systems
- Flexibility Type: Unlimited
- Hose Diameter: 28.2 mm I.D., 28.8 mm O.D.

FRICTION LOSS and SPECIFICATIONS

MODEL #	ITEM #	NPT	Length	Equivalent Length of 1 ft Sch 40 Pipe		Maximum # of 90° Bends		Minimum Bend Radius	
				US	US	US	US	US	US
ARG-29-B-FLEX-07050	6530165	1/2"	28" (0.6 m)	10 ft	23.7 ft	2	1	4"	9"
ARG-29-B-FLEX-10050	6530166	1/2"	39" (0.9 m)	23 ft	33.5 ft	3	2	4"	9"
ARG-29-B-FLEX-12050	6530167	1/2"	48" (1.2 m)	29 ft	40.5 ft	3	2	4"	9"
ARG-29-B-FLEX-15050	6530168	1/2"	60" (1.5 m)	36 ft	44.9 ft	3	3	4"	9"
ARG-29-B-FLEX-18050	6530169	1/2"	72" (1.8 m)	40 ft	49.3 ft	3	4	4"	9"
ARG-29-B-FLEX-07075	6530175	3/4"	28" (0.6 m)	16 ft	16.1 ft	2	1	4"	9"
ARG-29-B-FLEX-10075	6530176	3/4"	39" (0.9 m)	28 ft	27.4 ft	3	2	4"	9"
ARG-29-B-FLEX-12075	6530177	3/4"	48" (1.2 m)	34 ft	35.0 ft	3	2	4"	9"
ARG-29-B-FLEX-15075	6530178	3/4"	60" (1.5 m)	40 ft	39.3 ft	3	3	4"	9"
ARG-29-B-FLEX-18075	6530179	3/4"	72" (1.8 m)	45 ft	43.7 ft	3	4	4"	9"

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