

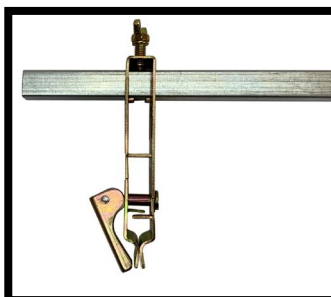
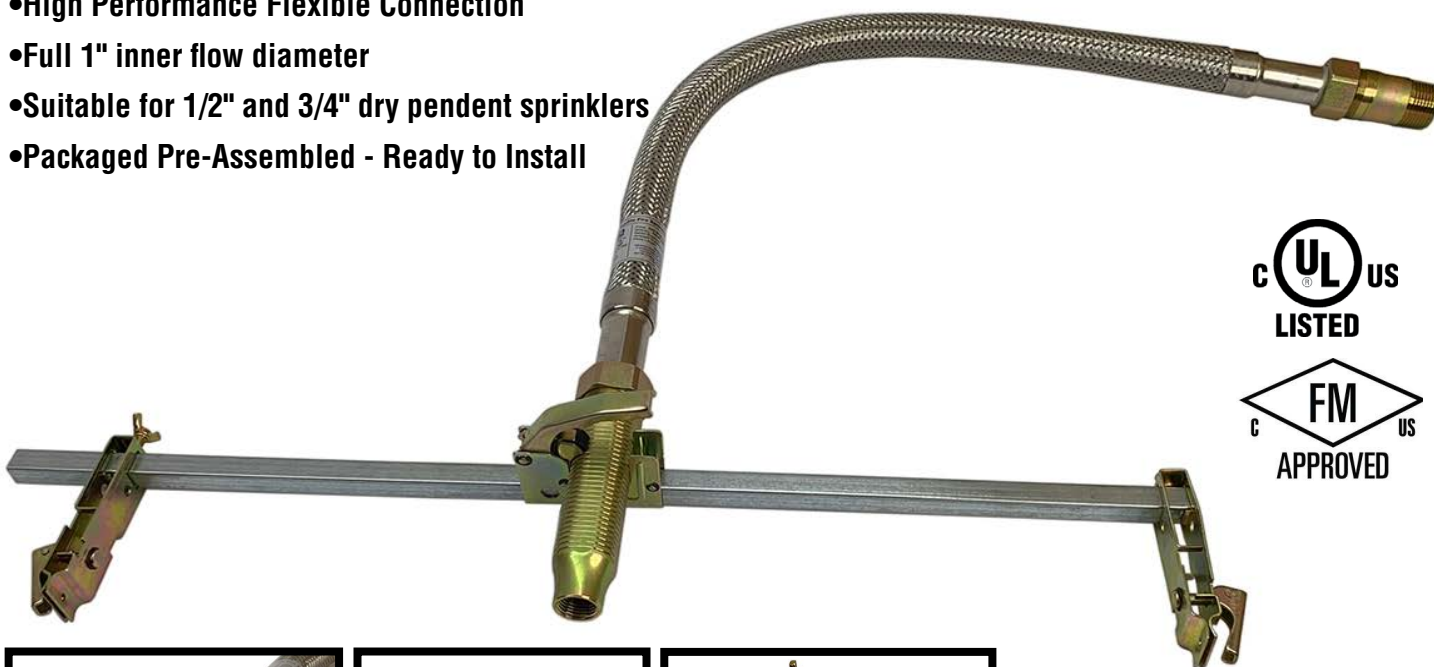
KORE-Flex FLEXIBLE SPRINKLER DROP HOSE

Braided Hose with Fittings



[CLICK HERE TO BUY](#)

- High Performance Flexible Connection
- Full 1" inner flow diameter
- Suitable for 1/2" and 3/4" dry pendent sprinklers
- Packaged Pre-Assembled - Ready to Install



**Trade Agreements Act
Compliant**

PRODUCT DESCRIPTION

- Series AR-400-BR 1"/DN25 Nominal ID
- Braided Hose: 28, 39, 47, 59, 71"
- Sprinkler Connections: 1/2", 3/4" NPT
- Inlet Connections: 1"/25mm NPT
- Straight Reducing Nipple Length: 5.5" (other lengths available)

TECHNICAL DATA

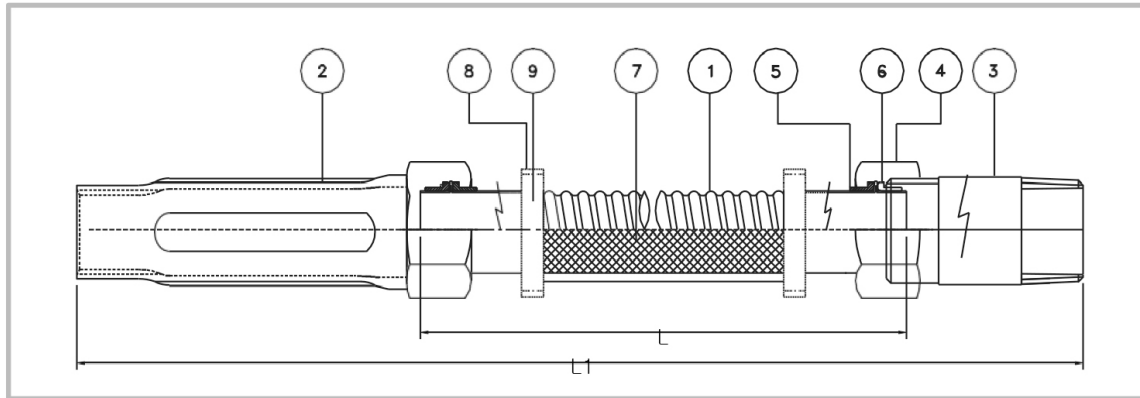
- Pressure: 200 PSI (13.8 Bars)
- Maximum Ambient Temperature: 225°F (107°C)
- Maximum Sprinkler K-factor for 1/2" outlet: 8 gal/mm/(psi)^{1/2}
- Maximum Sprinkler K-factor for 3/4" outlet: 14.0 gal/mm/(psi)^{1/2}
- Maximum Sprinkler K-factor for 1" outlet: 25.2 gal/mm/(psi)^{1/2}
- Designed for use in wet and dry systems
- Flexibility Type: Unlimited
- Minimum Bend Radius: 3"
- Hose Diameter: O.D. 1-3/8" / Flow 1"

Friction Loss Data continued on next page

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

KORE-Flex FLEXIBLE SPRINKLER DROP HOSE

Braided Hose with Fittings





- 1. FLEXIBLE TUBE
- 2. REDUCER
- 3. NIPPLE

- 4. SLIP NUT
- 5. ISOLATING-RING
- 6. GASKET



- 7. BRAIDED HOSE
- 8. CLAMP(OUTSIDE)
- 9. CLAMP(INSIDE)

Friction Loss Data and Specifications

Equivalent Length of 1" Sch 40 Pipe, Ft

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	3	3"	22.9	1	9"
AR-400-BR FLEX-10-050	39"	1/2"	5.6 & 8.0	23	5	3"	34.6	2	9"
AR-400-BR FLEX-12-050	47"	1/2"	5.6 & 8.0	29	7	3"	41.0	3	9"
AR-400-BR FLEX-15-050	59"	1/2"	5.6 & 8.0	39	9	3"	50.4	4	9"
AR-400-BR FLEX-18-050	71"	1/2"	5.6 & 8.0	50	12	3"	58.5	4	9"

Equivalent Length of 1" Sch 40 Pipe, Ft

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-07-075	28"	3/4"	8.0, 11.2, 14.0	20	3	3"	15.7	1	9"
AR-400-BR FLEX-10-075	39"	3/4"	8.0, 11.2, 14.0	24	5	3"	26.9	2	9"
AR-400-BR FLEX-12-075	47"	3/4"	8.0, 11.2, 14.0	21	7	3"	34.8	3	9"
AR-400-BR FLEX-15-075	59"	3/4"	8.0, 11.2, 14.0	40	9	3"	43.8	4	9"
AR-400-BR FLEX-18-075	71"	3/4"	8.0, 11.2, 14.0	48	12	3"	53.4	4	9"

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.

FM Notes: ARGCO hoses have been tested and Approved by FM Global for use in wet, dry and preaction systems per NFPA13, 13R and 13D.

KORE-Flex FLEXIBLE SPRINKLER DROP HOSE

Braided Hose with Fittings



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 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.

1. Underwriter's Laboratories, Inc. (UL), UL 2443:

Standard for flexible sprinkler hose with fittings for fire protection service

2. Factory Mutual (FM), FM Class No, 1637:

ASTM C635: Standard specifications for the manufacture, performance, and testing of metal suspension system

3. National Fire Protection Association (NFPA):

NFPA 13 : Standard for the Installation of Sprinkler Systems

NFPA13D : Standard for the Installation of Sprinkler Systems in One and Two-Family Dwellings and Manufactured Homes

NFPA 13R : Standard for 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 6ft.

4. American Society for Testing and 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

5. International Building Code (IBC) Section 1621 / American Society of Civil

Engineers (ASCE) 7.9.6.2.6.2 & 9.6.2.6.2.2:

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

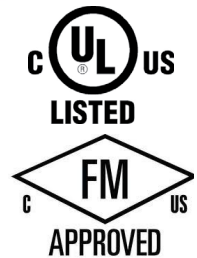
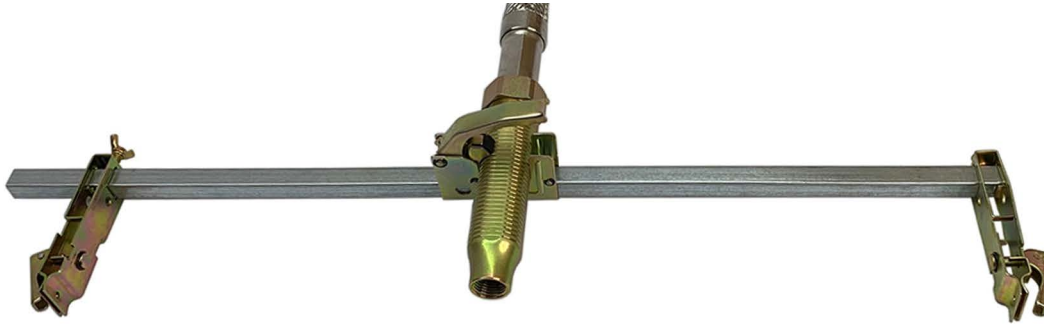
System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

KORE-Flex FLEXIBLE SPRINKLER DROP HOSE

Braided Hose with Fittings



INSTALLATION INSTRUCTIONS



1. Remove the reducing nipple by turning the nut.
(not the reducing nipple)



Turn the wrench on connection nut only

2. Confirm that sealing gaskets and isolation rings are in place.
Reconnect the outlet reducing nipple to the flexible hose.
Tighten to a torque of 18.2~21.8 ft-lbs / 24.7~29.6 N.m
3. Apply PTFE thread sealant tape to the tapered of inlet nipple
according to manufacturer instructions.
Use a pipe wrench to connect the inlet nipple to the branch line as
shown in the picture.

4. Confirm that the seal inside the nut of the flexible hose is free
from damage and in place proper to installations and connect
the nut to the outlet nipple as shown.
Tighten the nut to a torque of 18.2~21.8 ft-lbs / 24.7~29.6 N.m



DO NOT use PTFE tape on the outlet nipple to connect to
the flexible hose.
DO NOT tighten beyond the specified torque.
This may cause damage to the seal.

5. Connect the two end brackets and center bracket to the square
bar by inserting the square bar into the hole of the end brackets
and center bracket as shown.



For pre-assembled set, the step 5 and 6 can be omitted.

KORE-Flex FLEXIBLE SPRINKLER DROP HOSE

Braided Hose with Fittings



INSTALLATION INSTRUCTIONS

6. Tighten the wing bolts on the top of the end brackets to a recommended torque of 1.3~1.8 ft-lbs / 1.8~2.4 N.m



For pre-assembled set, the step 5 and 6 can be omitted.

7. Place the fully assembled bracket to the desired position in the ceiling grid.
The maximum distance between two end brackets is 28in. (700 mm) and minimum 24in. (600mm).

8. Grasp the lower part of the end bracket and push down completely to ensure the end brackets are assembled to the ceiling grid securely.

9. Take care when you join the center bracket to the reducing nipple, inspect to ensure the lever is open.
To open the lever, release the lever while pushing down on the lock. Slide the reducing nipple inside the center bracket.

10. Push the lever of the center bracket until the reducing nipple is firmly in place and the lever is fully closed to join firmly and to fasten the reducing nipple together with the bracket and the square bar.

11. SPRINKLER INSTALLATION :
Follow the sprinkler manufacturer's installation instructions.



The order of installing sprinkler can vary depending on the working environment





Allied Rubber & Gasket Company

November 20, 2025

LETTER OF CONFORMITY / BUY AMERICAN CERTIFICATION

This letter serves as a conformance certification that the ARGCO brand products listed below comply with Buy American Act (BAA). In accordance with FAR clauses 52.225-11 & 52.225-12 Trade Agreements Act, the restriction of BAA is waived for countries that have signed international trade agreements with the U.S., In particular, Korea (Republic of) is a designated country of the World Trade Organization Government Procurement Agreement (WTO GPA), and as approved by Congress in the Uruguay Round Agreements Act (Public Law 103-465)

KOR-FLEX FLEXIBLE SPRINKLER DROPS

Model ARG-BR-FLEX-07-050 (27.5" long x 1/2" NPT Outlet)
Model ARG-BR-FLEX-10-050 (39" long x 1/2" NPT Outlet)
Model ARG-BR-FLEX-12-050 (48" long x 1/2" NPT Outlet)
Model ARG-BR-FLEX-15-050 (60" long x 1/2" NPT Outlet)
Model ARG-BR-FLEX-18-050 (72" long x 1/2" NPT Outlet)
Model ARG-BR-FLEX-07-075 (27.5" long x 3/4" NPT Outlet)
Model ARG-BR-FLEX-10-075 (39" long x 3/4" NPT Outlet)
Model ARG-BR-FLEX-12-075 (48" long x 3/4" NPT Outlet)
Model ARG-BR-FLEX-15-075 (60" long x 3/4" NPT Outlet)
Model ARG-BR-FLEX-18-075 (72" long x 3/4" NPT Outlet)

Warranty:

We warrant all ARGCO Brand Flexible Fire Sprinkler Drop products to be free from defects in materials and workmanship under normal conditions of use and service.

Our obligation under this warranty is limited to repairing at our option at our factory or designated facility any product which shall within 1 year after delivery to the original buyer be returned with transportation charges prepaid, and which our examination and inspection shall show to our satisfaction to have been defective.

This warranty is made expressly in lieu of any other warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose.

The buyer's sole and exclusive remedy shall be for the replacement or repair of defective products as provided herein.

The buyer agrees that no other remedy (including but not limited to), incidental or consequential damages for lost profits, lost sales, injury to person or property or any other incidental or consequential loss shall be available to him/her.

Argco neither assumes nor authorizes any person to assume for it any other liability in connection with the sale of such products.

This warranty shall not apply to any product which has been the subject to misuse, negligence or accident, which has been repaired or altered in any manner outside of Argco's factory or designated facility or which has been used in a manner contrary to Argco's instructions, recommendations or generally accepted practices.

Argco shall not be responsible for design errors due to inaccurate or incomplete information supplied by the buyer or his representatives.



ARGCO.com

For more products, pricing, technical data, SDS, log onto: www.argco.com

ARGCO SALES: toll free: 800-854-1015 inter-
national: 760-727-1644 | fax: 800-924-5922 email:
info@argco.com