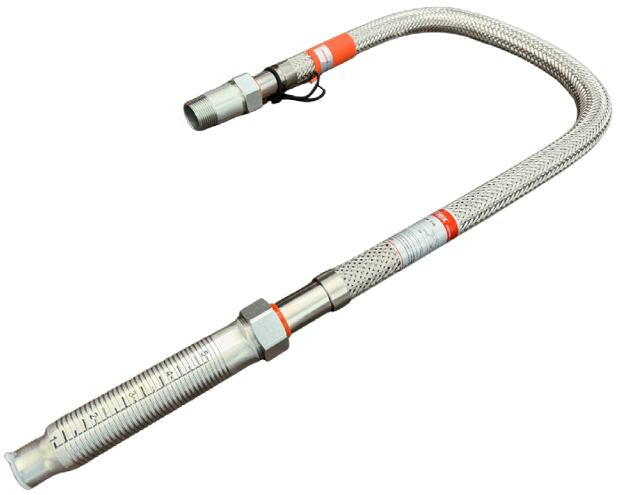
FLEXIBLE SPRINKLER DROPS

BRAIDED FLEXIBLE HOSES

STANDARD BRAIDED HOSES



Product Overview

GemFlex Braided Sprinkler Hose Connections are designed to maximize installation efficiency and reduce labor costs by eliminating the need for branch line modifications and additional swing joints. The braided flexible hose assembly simplifies sprinkler head placement, streamlines installations in suspended ceiling systems, and provides a durable, high-performance connection for fire sprinkler applications.

GemFlex braided hose systems are approved for use in a wide range of occupancies, including commercial offices, hotels, retail stores, restaurants, cultural and entertainment venues, educational facilities, government buildings, healthcare facilities, and houses of worship. Their flexibility, durability, and ease of installation make them an ideal solution for both new construction and renovation projects.

c UL us LISTED
UL Listed
Under File No. EX29684

FM APPROVED

Specifications

Hose

Type 304 Stainless Steel

Sealing Gasket

EPDM

Nut and Nipple

Zinc-Plated Steel

Isolation Ring

Nylon

Maxium Ambient Temperature

225°F

Maximum Working Pressure

175 psig

Key Benefits

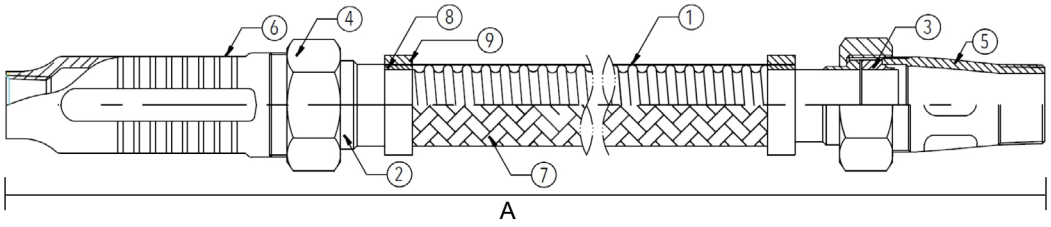
- Faster, easier sprinkler installations
- Lower labor and material costs
- Flexible sprinkler placement in suspended ceilings
- Durable stainless steel construction
- UL Listed and FM Approved for code-compliant applications
- Buy American Act (BAA) Compliant
  (Manufactured in Korea)

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

FLEXIBLE SPRINKLER DROPS

BRAIDED FLEXIBLE HOSES

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GEMFLEX FLEXIBLE SPRINKLER HOSES - STANDARD BRAIDED HOSES								
Part Number	Hose ID (in.)	Unit True Length (A) (in.)	Hose Type	Connection		Min. Bend Radius* (in.)	Max Working Press.	Max. K-Factor
				Inlet (in.)	Outlet (in.)			
450-100-03000	1"	24	Braided	1" NPT	1/2" NPT	4"	175 psig	K5.6
450-100-03010	1"	36	Braided	1" NPT	1/2" NPT	4"	175 psig	K5.6
450-100-03020	1"	48	Braided	1" NPT	1/2" NPT	4"	175 psig	K5.6
450-100-03030	1"	60	Braided	1" NPT	1/2" NPT	4"	175 psig	K5.6
450-100-03040	1"	72	Braided	1" NPT	1/2" NPT	4"	175 psig	K5.6
450-100-03050	1"	24	Braided	1" NPT	3/4" NPT	4"	175 psig	K8.0
450-100-03060	1"	36	Braided	1" NPT	3/4" NPT	4"	175 psig	K8.0
450-100-03070	1"	48	Braided	1" NPT	3/4" NPT	4"	175 psig	K8.0
450-100-03080	1"	60	Braided	1" NPT	3/4" NPT	4"	175 psig	K8.0
450-100-03090	1"	72	Braided	1" NPT	3/4" NPT	4"	175 psig	K8.0

*DO NOT bend within 2.52 inches from the connection nuts.

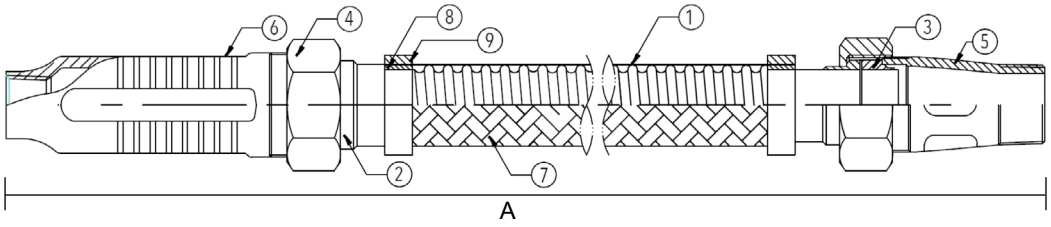
Note: This product is intended for the follow systems: wet, deluge, pre-action, and dry. It is intended for direction connection to fire sprinklers. No hangers and seismic escutcheons are required.

The required torque to assemble the reducer and nipple with the flexible hose is 50 ft-lbs.

KEY LEGEND	
#	Size
1	Tube
2	Isolation Ring
3	Sealing Gasket
4	Nut
5	Nipple (1")
6	Reducer
7	Braid
8	Press Ring (Inner)
9	Press Ring (Outer)

UL FRICTION LOSS DATA				
Length (in.)	Outlet Connection (in.)	K-Factor	Max. Number of 90° Bends	Equivalent Length of Sch. 40 Pipe (ft.)
24	1/2	5.6	1	18
	3/4	8.0	1	18
36	1/2	5.6	2	31
	3/4	8.0	2	34
48	1/2	5.6	3	48
	3/4	8.0	3	51
60	1/2	5.6	4	60
	3/4	8.0	4	65
72	1/2	5.6	4	71
	3/4	8.0	4	72

*UL: 4" minimum bend radius, where C = 120



GEMFLEX FLEXIBLE SPRINKLER HOSES - STANDARD BRAIDED HOSES								
Part Number	Hose ID (in.)	Unit True Length (A) (in.)	Hose Type	Connection		Min. Bend Radius* (in.)	Max Working Press.	Max. K-Factor
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450-100-03090	1"	72	Braided	1" NPT	3/4" NPT	8"	225 psig	K8.0

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8	Press Ring (Inner)
9	Press Ring (Outer)

FM FRICTION LOSS DATA				
Length (in.)	Outlet Connection (in.)	K-Factor	Max. Number of 90° Bends	Equivalent Length of Sch. 40 Pipe (ft.)
24	1/2	5.6	1	27.0
	3/4	8.0	1	18.6
36	1/2	5.6	2	37.4
	3/4	8.0	2	30.4
48	1/2	5.6	3	54.9
	3/4	8.0	3	48.3
60	1/2	5.6	4	72.5
	3/4	8.0	4	66.2
72	1/2	5.6	4	90.5
	3/4	8.0	4	83.0

*FM: 8" minimum bend radius, where C = 120

For more information
Learn more about GemFlex's Standard Braided Hose and other products available by visiting www.gemflex.com

GemFlex
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