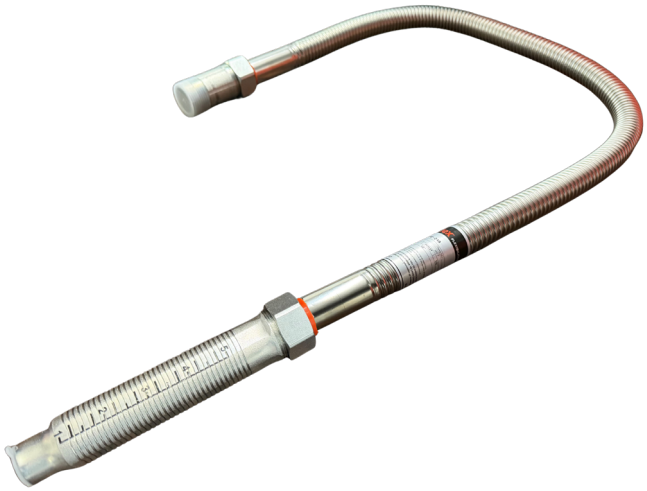
FLEXIBLE SPRINKLER DROPS

BRAIDED FLEXIBLE HOSES

STANDARD NON-BRAIDED HOSES



Product Overview

GemFlex Non-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 flexible hose assembly allows for quick and easy sprinkler head positioning, helping contractors simplify installations in suspended ceiling systems while reducing overall project costs.

GemFlex non-braided hose systems are approved for use in a variety of occupancies, including commercial offices, hotels, retail stores, restaurants, cultural and entertainment venues, educational facilities, government buildings, healthcare facilities, and houses of worship. As a cost-effective alternative to braided hose assemblies, non-braided models are an ideal choice for installations that require UL Listing only without the added features of a braided design, making them well suited for budget-conscious new construction and retrofit projects.

c UL us LISTED

UL Listed
Under File No. EX29684

Specifications

Hose

Type 304 Stainless Steel

Sealing Gasket

EPDM

Nut and Nipple

Zinc-Plated Steel

Isolation Ring

Nylon

Maxium Ambient Temperature

225°F

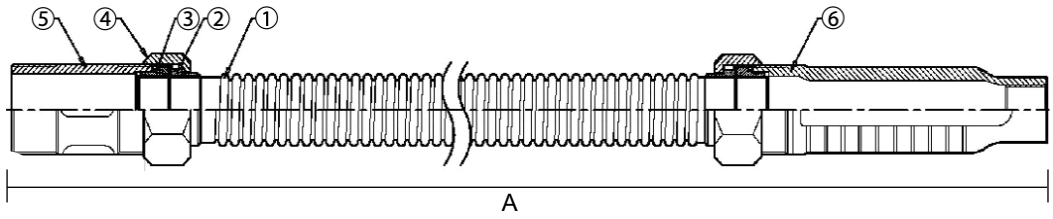
Maximum Working Pressure

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 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:	



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.)			
450-100-04000	1"	28	Non-Braided	1" NPT	1/2" NPT	4"	175 psig	K5.6
450-100-04020	1"	40	Non-Braided	1" NPT	1/2" NPT	4"	175 psig	K5.6
450-100-04040	1"	48	Non-Braided	1" NPT	1/2" NPT	4"	175 psig	K5.6
450-100-04060	1"	60	Non-Braided	1" NPT	1/2" NPT	4"	175 psig	K5.6
450-100-04080	1"	67	Non-Braided	1" NPT	1/2" NPT	4"	175 psig	K5.6
450-100-04100	1"	28	Non-Braided	1" NPT	3/4" NPT	4"	175 psig	K8.0
450-100-04120	1"	40	Non-Braided	1" NPT	3/4" NPT	4"	175 psig	K8.0
450-100-04140	1"	48	Non-Braided	1" NPT	3/4" NPT	4"	175 psig	K8.0
450-100-04160	1"	60	Non-Braided	1" NPT	3/4" NPT	4"	175 psig	K8.0
450-100-04180	1"	67	Non-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

UL FRICTION LOSS DATA			
Length (in.)	Outlet Connection (in.)	Max. Number of 90° Bends	Equivalent Length of Sch. 40 Pipe (ft.)
24	1/2	2	23
	3/4	2	28
36	1/2	3	39
	3/4	3	40
48	1/2	3	48
	3/4	3	51
60	1/2	4	60
	3/4	4	65
72	1/2	4	68
	3/4	4	70

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

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

GemFlex
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