

VIPERFLEX BRAIDED FLEXIBLE SPRINKLER DROPS

LynCar Flexible Sprinkler Drops are designed to significantly reduce labor and installation costs. By eliminating the need for pipe cutting and midline connections, you save valuable time and money.

LynCar braided sprinkler connections 28", 48", 60" and 72" with top loading or front loading brackets for variety of ceiling and wall applications: T-Bars, metal studs, hat channels, wood beams, concrete sidewalls, and more. The system is qualified to be installed at commercial, hotel, retail, restaurants, cultural, entertainment, educational, government, healthcare, and religious buildings.

LynCar Flexible Sprinkler Drops Appliance Standards

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

- 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 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:

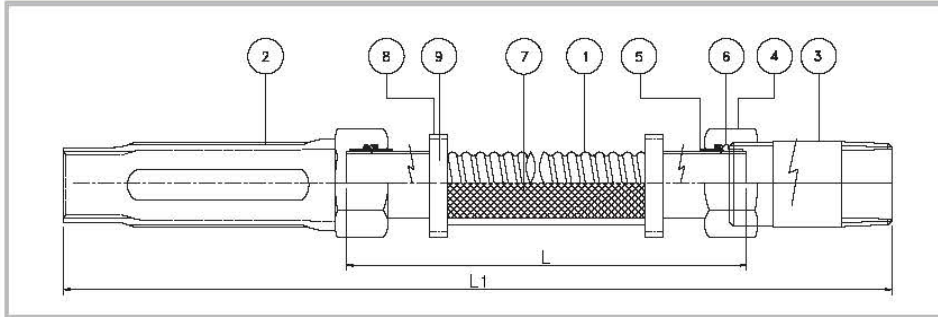
- Flexible Sprinkler Connections are an alternative solution to install without seismic escutcheons

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VIPERFLEX

BRAIDED FLEXIBLE SPRINKLER DROPS



- 1. FLEXIBLE TUBE
- 2. REDUCER
- 3. NIPPLE
- 4. SLIP NUT
- 5. ISOLATING-RING
- 6. GASKET
- 7. BRAIDED HOSE
- 8. CLAMP(OUTSIDE)
- 9. CLAMP(INSIDE)

SPECIFICATIONS

Lengths Available	24", 48", 60" and 71"
Outlet	1/2" or 3/4"
Hose Type	Braided
Max. Ambient Temperature Rating	225°F
Max. Working Pressure Rating	175 psig

* Required torque to assemble reducer and nipple with the flexible hose : 300kgf.cm

Hose	Stainless Steel 304
Nut & Nipple	Zinc-Plated Steel
Sealing Gasket / Isolation Ring	Silicone / Nylon



FRICTION LOSS DATA

DJ25B Series Braided Hose with Fittings

Model	Rated Pressure, psig	Max. Ambient Temp., °F	Nom. Inlet by Outlet Size, in.	Assembly Length, ft (mm)	Max No. of 90° Bends	Min Bend Radius, mm.	Equivalent Length of 1 in. Schedule 40 Steel Pipe (C = 120), ft	Flexibility Type
DJ25B	175	225	1x1/2	2.0 (610)	1	190	12	Limited
	175	225	1x1/2	4.0 (1220)	3	190	29	Limited
	175	225	1x1/2	5.0 (1525)	3	190	68	Limited
	175	225	1x1/2	5.9 (1800)	3	190	94	Limited
DJ25B	175	225	1x3/4	2.0 (610)	1	190	21	Limited
	175	225	1x3/4	4.0 (1220)	3	190	36	Limited
	175	225	1x3/4	5.0 (1525)	3	190	73	Limited
	175	225	1x3/4	5.9 (1800)	3	190	99	Limited

* UL : 190mm minimum bend radius, where C=120 * OD : 26.8mm / ID : 22.3mm STS 304



FRICTION LOSS DATA

DJ25B Series Braided Hose with Fittings

Model	NPT in.	k-Factor	Minimum Bend Radius in. (mm)	Number of Bends	Rated Working Pressure psi (kPa)	Hose Assembly length in. (mm)	Equivalent Length of 1 in. Schedule 40 Pipe, ft (m)
DJ25B	1/2	5.6	10 (254)	1	175 (1205)	24 (610)	26.4 (8.0)
	1/2	5.6	10 (254)	2	175 (1205)	48 (1220)	46.8 (14.2)
	1/2	5.6	10 (254)	3	175 (1205)	60 (1525)	61.4 (18.7)
	1/2	5.6	10 (254)	4	175 (1205)	72 (1830)	76.1 (23.2)
DJ25B	3/4	8.0	10 (254)	1	175 (1205)	24 (610)	19.4 (5.9)
	3/4	8.0	10 (254)	2	175 (1205)	48 (1220)	39.5 (12.0)
	3/4	8.0	10 (254)	3	175 (1205)	60 (1525)	54.8 (16.7)
	3/4	8.0	10 (254)	4	175 (1205)	72 (1830)	70.1 (21.4)

* FM : 10" minimum bend radius, where C=120 * OD : 26.8mm / ID : 22.3mm STS 304

BRACKET SET

Image	Description
	Steel Material - Qty.1 SQ650 or 1000 or 1200 - Qty.2 B-EL-B(105mm) End Bracket - Qty.1 B-COT

CENTER BRACKET

Image	Description
	One Touch Type Bracket Quick time Fixed Bracket Patented Center Bracket Carbon Steel, Zinc-Plated

END BRACKET

Image	Description
	Long One touch End Bracket 105mm Length Carbon Steel, Zinc-Plated

FIXING ACCESSORIES

Image	Description
	Metal Stud End Bracket Carbon Steel / Zinc-Plated
	Wood Beam Stud Bracket Carbon Steel / Zinc-Plated