

# Flexible Sprinkler Drops

## Unbraided Flexible Sprinkler Connection Data Sheet

**GENIE SYSTEMS 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.**

Genie Systems flexible sprinkler connections offer braided and unbraided flexible hoses in 700mm,1000mm,1200mm,1500mm and 1800mm 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.

### TECHNICAL SPECIFICATIONS

#### GENIE SYSTEMS Flexible Sprinkler Drops Appliance Standards

**1. Underwriter’s Laboratories, Inc. (UL/ULC), cUL us 2443:**

- Standard for flexible sprinkler hose with fittings for fire protection service

**2. National Fire Protection Association (NFPA):**

- 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.

**3. 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

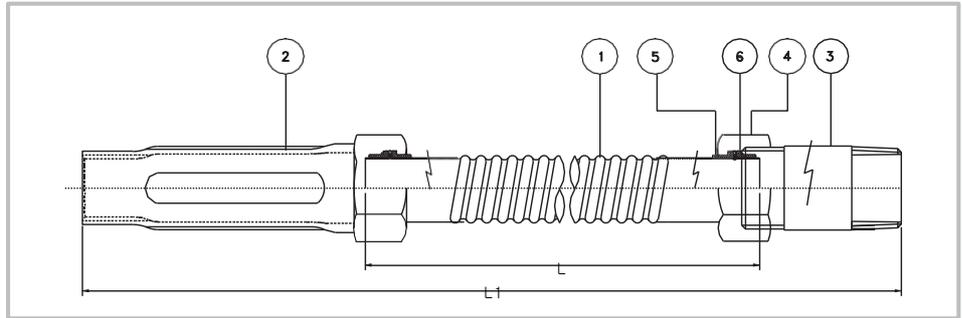
**4. International Building Code (IBC) Section 1621 / American Society of Civil Engineers (ASCE) 7.9.6.2.6.2 & 9.6.2.6.2.2:**

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

Job Name :
Engineer / Architect :
Job Location :
Wholesaler :
Submittal Date :
Contractor :



## UNBRAIDED FLEXIBLE HOSE



- 1. FLEXIBLE TUBE
- 2. REDUCER
- 3. NIPPLE
- 4. SLIP NUT
- 5. ISOLATING-RING
- 6. GASKET

## TECHNICAL SPE CIFICATIONS



## SPECIFICATIONS

Lengths Available	700mm, 1000mm, 1200mm, 1500mm, 1800mm
Outlet	1/2" or 3/4"
Hose Type	Unbraided
Max. Ambient Temperature Rating	225°F
Max. Working Pressure Rating	200 psig (UL/ULC)

Hose	Stainless Steel 304	
Nut & Nipple	Metal zinc plating	
Sealing Gasket / Isolation Ring	Silicone / Nylon	
Minimum Bend Radius	100mm(UL/ULC) From connection nuts	
Connection	Inlet	1"NPT or BSP
	Outlet	1/2" or 3/4"NPT or BSP

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



## FRICION LOSS DATA

DJ25UB Series Unbraided 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
DJ25UB-700	200	225	1x1/2	700	2	100	32	Limited
DJ25UB-1000	200	225	1x1/2	1000	3	100	55	Limited
DJ25UB-1200	200	225	1x1/2	1200	3	100	64	Limited
DJ25UB-1500	200	225	1x1/2	1500	3	100	75	Limited
DJ25UB-1800	200	225	1x1/2	1800	3	100	81	Limited
DJ25UB-700	200	225	1x3/4	700	2	100	31	Limited
DJ25UB-1000	200	225	1x3/4	1000	3	100	50	Limited
DJ25UB-1200	200	225	1x3/4	1200	3	100	57	Limited
DJ25UB-1500	200	225	1x3/4	1500	3	100	68	Limited
DJ25UB-1800	200	225	1x3/4	1800	3	100	79	Limited

\* UL : 100mm minimum bend radius, where C=120



www.genie-systems.com  
E-mail: daejinsp@gmail.com