Innovative & Reliable & Speedy

FM APPROVED · c UL us LISTED · KFI · ISO 9001:2015 · ISO 14001:2015 · ABS

Distributor in Canada
Belven Controls Canada Inc.

Genie systems®

ONE TOUCH BRACKET

Beyond the limit of innovation

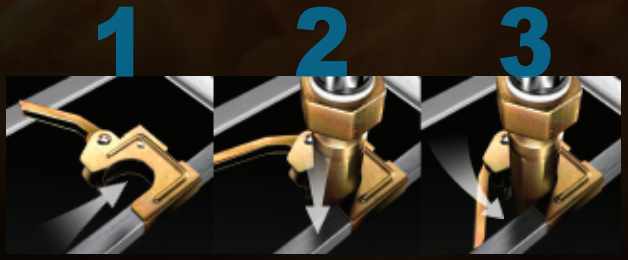
Patented product of DAEJIN SANUP CO.
The worker can easily install it with the lever without the tool,
and the performance is excellent and the disassembly is free.

One-touch assembled bracket set

AS-OTS

#Components: B-COT & B-EOTS & A Square Bar

3 SECONDS INNOVATION



Connect the Bracket · Connect the sprinkler · Pull down the lever

DAEJIN
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192 St.Surrey BC V3Z 3X1 Canada
hello@belvencontrols.ca www.belvencontrols.ca
Cell:604 363 8756

Save Time & Cost

Conventional Type

One Touch Brackets

	Conventional Type	One Touch Bracket
Time	58 Seconds	**28 Seconds**
	LooseningScrew Inserting Positioniong TighteningScrew	**Positioning PullingLever**
Cost	10sets/hour 80sets/day	**20sets/hour 160sets/day**
	$725 / 1,000sets	**$362.5/1,000sets**

Reduce Installation Time & Cost

Save Time & Cost with The New Simple One Touch Bracket

Flexible Sprinkler Drop Installation Steps	One Touch Bracket	Conventional Bracket
Determine proper sprinkler position where the sprinkler is to be located	O	O
Slide reducer bracket onto the cross support bar	O	O
Insert the sprinkler reducer into bracket	O	O
Loosen screw on bracket	X	O
Locate the reducer bracket and sprinkler reducer	O	O
Tighten loosed screw	X	O
Verify that the sprinkler reducer is seated in the reducer bracket	O	O
Tighten screw	X	O
Complete installation	O	O

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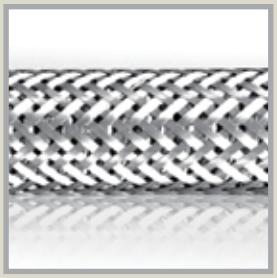
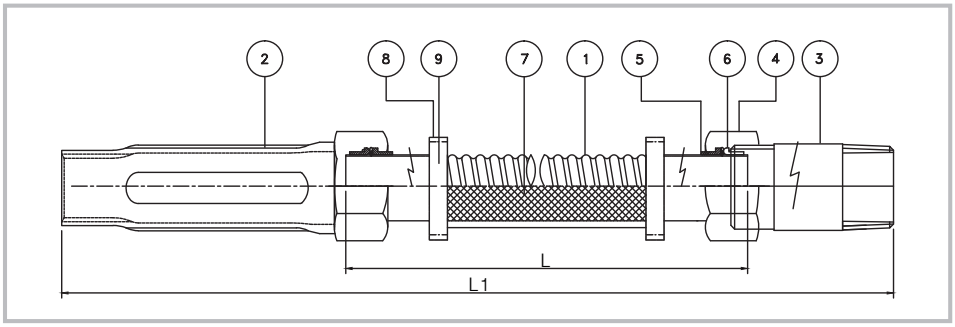
TECHNICAL SPECIFICATIONS



BRAIDED TYPE FLEXIBLE HOSE



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 (ft or mm)	2.3, 3.3, 3.9, 4.9, 5.9 or 700, 1000, 1200, 1500, 1800
Outlet	1/2" or 3/4"
Hose Type	Braided

Max. Ambient Temperature Rating	225°F
Max. Working Pressure Rating	200 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	EPDM / Nylon

Minimum Bend Raius	3"(UL) from connection nuts	
Connection	Inlet	1"NPT or BSP
	Outlet	1/2" or 3/4"NPT or BSP

c UL us LISTED EX15083

FRICTION LOSS DATA

DJ28B 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, in.	Equivalent Length of 1 in. Schedule 40 Steel Pipe (C = 120), ft	Flexibility Type
DJ28B-700	200	225	1x1/2	2.3 (700)	3	3	18	Limited
DJ28B-1000	200	225	1x1/2	3.3 (1000)	5	3	23	Limited
DJ28B-1200	200	225	1x1/2	3.9 (1200)	7	3	29	Limited
DJ28B-1500	200	225	1x1/2	4.9 (1500)	9	3	39	Limited
DJ28B-1800	200	225	1x1/2	5.9 (1800)	12	3	50	Limited
DJ28B-700	200	225	1x3/4	2.3 (700)	3	3	20	Limited
DJ28B-1000	200	225	1x3/4	3.3 (1000)	5	3	24	Limited
DJ28B-1200	175	225	1x3/4	3.9 (1200)	7	3	31	Limited
DJ28B-1500	175	225	1x3/4	4.9 (1500)	9	3	40	Limited
DJ28B-1800	175	225	1x3/4	5.9 (1800)	12	3	70	Limited

* UL : 190mm minimum bend radius, where C=120

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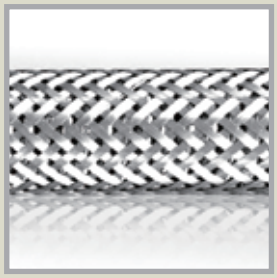
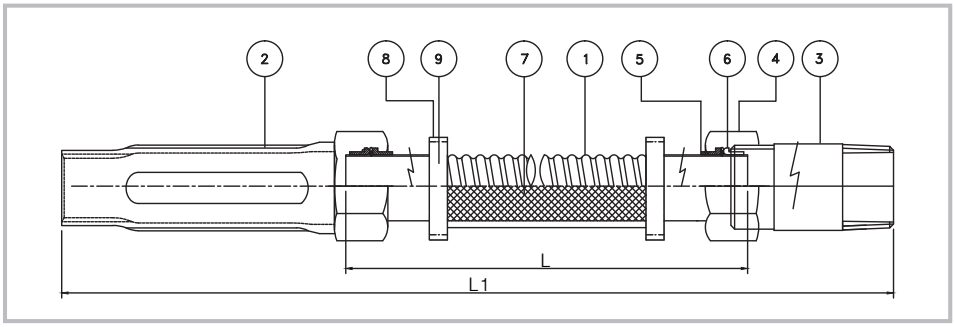
TECHNICAL SPECIFICATIONS



BRAIDED TYPE FLEXIBLE HOSE



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8. CLAMP(OUTSIDE)
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SPECIFICATIONS

Lengths Available (ft or mm)	2.3, 3.3, 3.9, 4.9, 5.9 or 700, 1000, 1200, 1500, 1800
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	EPDM / Nylon

Minimum Bend Raius	9"(FM) from connection nuts	
Connection	Inlet	1"NPT or BSP
	Outlet	1/2" or 3/4"NPT or BSP

FM APPROVED

FRICTION LOSS DATA

DJ28B 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)
DJ28B	1/2	5.6	9 (230)	1	175 (1205)	2.3 ft	22.9 (6.9)
	1/2	5.6	9 (230)	2	175 (1205)	3.3 ft	34.6 (10.5)
	1/2	5.6	9 (230)	3	175 (1205)	3.9 ft	41.0 (12.5)
	1/2	5.6	9 (230)	4	175 (1205)	4.9 ft	50.4 (15.3)
	1/2	5.6	9 (230)	4	175 (1205)	5.9 ft	58.5 (17.8)
DJ28B	3/4	8.0	9 (230)	1	175 (1205)	2.3 ft	15.7 (4.8)
	3/4	8.0	9 (230)	2	175 (1205)	3.3 ft	26.9 (8.2)
	3/4	8.0	9 (230)	3	175 (1205)	3.9 ft	34.8 (10.6)
	3/4	8.0	9 (230)	4	175 (1205)	4.9 ft	43.8 (13.5)
	3/4	8.0	9 (230)	4	175 (1205)	5.9 ft	53.4 (16.2)

* FM : 9" minimum bend radius, where C=120

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TECHNICAL SPECIFICATIONS

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.

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 :

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