



Flexible Sprinkler Drops

Flexible sprinkler drops connect sprinkler heads to piping systems through flexible hoses, ensuring easier, safer, and more cost-effective fire protection installation.

With a portfolio of our global patents, DAEJIN's commitment to innovation is undeniable. We strive to continuously push the boundaries, offering solutions that make installation faster and more efficient.





Genie Drop

For optimal results, the **DAEJIN GENIE DROP** is engineered to meet ASTM C635 and C636 standards and complies with NFPA 13, 13D, and 13R codes, ensuring industry-leading safety and reliability.

The system can be installed using a variety of brackets, including those for T-bars, metal ornaments, hat channels, wood beams, and concrete sidewalls, offering flexibility for diverse installation environments.

Certified for a wide range of commercial applications, including hotels, restaurants, cultural centers, educational institutions, and public facilities, the **Genie System** provides reliable performance and versatility for even the most demanding projects.

Advantages of Flexible Sprinkler Drops



Easy Installation

Quick setup saves time.



Minimized Damage

Flexible design reduces risk.



Lower Labor Costs

Reduced installation effort.



Enhanced Safety

Meets strict safety standards.



Improved Aesthetics

Blends seamlessly with interiors.



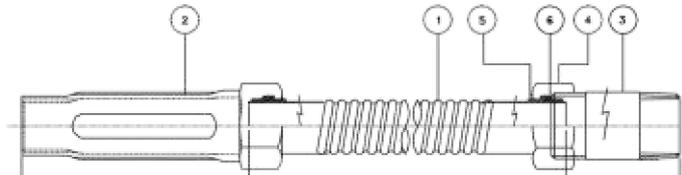
Versatility

Perfect for any building type.

Unbraided flexible hose with fittings DJ25UB



Components



Designed for tight spaces and quick installations, the unbraided flexible sprinkler hose offers a corrugated design, secure inlet and outlet fittings, and a ceiling bracket for easy mounting. It features a lightweight structure that simplifies handling, accelerates installation, and reduces labor costs. Ideal for efficient setups with fewer components, it ensures a streamlined installation process at a lower overall cost.

	PARTS	MATERIALS
1	Flexible Tube	Stainless Steel 304
2	Reducer (Outlet)	Zinc-Plated Steel
3	Nipple (Inlet)	Zinc-Plated Steel
4	Slip Nut	Zinc-Plated Steel
5	Isolating-Ring	Nylon
6	Gasket	EPDM

Product details

Hose diameter	OD 25.1mm / ID 21.4mm
Max. Ambient Temperature	225°F / 107°C
Max. Working Pressure	200 psi / 1380 kPa
Min. Bend Radius	4" / 100mm
Certificates	UL listed
Package Contents	1 × unbraided flexible hose, 1 × center bracket, 1 × square bar, 2 × end brackets.

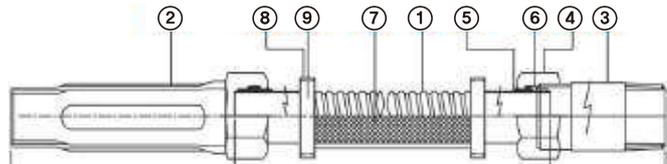
Specifications - UL

Outlet Size inch(mm)	K-Factor gpm/vpsi (l/min/vbar)	Assembly Length mm (inches)	Max Number of 90° bends	Minimum Bend Radius Inch (mm)	Equivalent Length of 1" Sch. 40 pipe ft (m)
1/2 (15)	5.6 (80.6)	700 (28)	2	4.0 (102)	32 (9.8)
		1000 (40)	3	4.0 (102)	55 (16.8)
		1200 (48)	3	4.0 (102)	64 (19.6)
		1500 (60)	3	4.0 (102)	75 (22.9)
		1800 (72)	3	4.0 (102)	81 (24.7)
3/4 (20)	8.0 (203)	700 (28)	2	4.0 (102)	31 (9.5)
		1000 (40)	3	4.0 (102)	50 (15.3)
		1200 (48)	3	4.0 (102)	57 (17.4)
		1500 (60)	3	4.0 (102)	68 (20.8)
		1800 (72)	3	4.0 (102)	79 (24.1)

Unbraided flexible hose with fittings DJ28B



Components



	PARTS	MATERIALS
1	Flexible Tube	Stainless Steel 304
2	Reducer (Outlet)	Zinc-Plated Steel
3	Nipple (Inlet)	Zinc-Plated Steel
4	Slip Nut	Zinc-Plated Steel
5	Isolating-Ring	Nylon
6	Gasket	EPDM
7	Braided Hose	Stainless Steel 304
8	Clamp(Outside)	Stainless Steel 304
9	Clamp(Inside)	Stainless Steel 304

Braided hoses are reinforced with stainless steel braiding to enhance mechanical strength and resistance to damage, vibrations, and seismic activity. They feature an inlet fitting for easy branch line connection, an outlet fitting for sprinkler attachment, and a ceiling bracket for secure mounting. Perfect for installations demanding durability and flexibility.

Product details

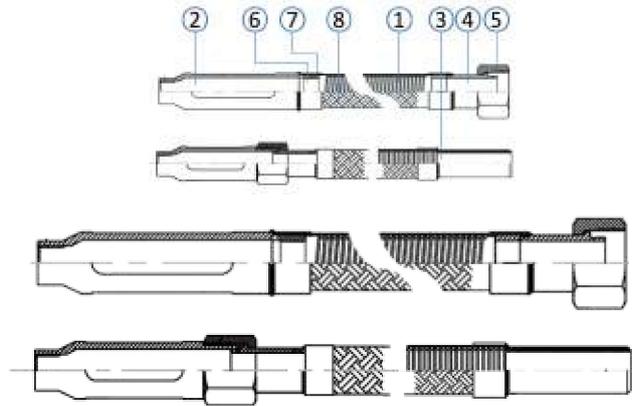
Hose diameter	OD 28.0mm / ID 27.4mm
Max. Ambient Temperature	225°F / 107°C
Max. Working Pressure	200 psi / 1380 kPa
Min. Bend Radius	3"(UL) / 76.2mm
Certificates	UL listed, FM approved, CE
Package Contents	1 × braided flexible hose, 1 × center bracket, 1 × square bar, 2 × end brackets.

Specifications

Outlet Size inch(mm)	K-Factor gpm/vpsi (l/min/vbar)	Assembly Length mm (inches)	Max Number of 90° bends		Minimum Bend Radius Inch (mm)		Equivalent Length of 1" Sch. 40 pipe ft (m)	
			UL	FM	UL	FM	UL	FM
1/2 (15)	5.6 (80.6)	700 (28)	3	1	3.0(77)	9 (229)	18 (5.5)	22.9 (6.9)
		1000 (40)	5	2	3.0(77)	9 (229)	23 (7.1)	34.6 (10.5)
		1200 (48)	7	3	3.0(77)	9 (229)	29 (8.9)	41 (12.5)
		1500 (60)	9	4	3.0(77)	9 (229)	39 (11.9)	50.4 (15.3)
		1800 (72)	12	4	3.0(77)	9 (229)	50 (15.3)	58.5 (17.8)
3/4 (20)	8.0 (115)	700 (28)	3	1	3.0(77)	9 (229)	20 (6.1)	15.7 (4.8)
		1000 (40)	5	2	3.0(77)	9 (229)	24 (7.4)	26.9 (8.2)
		1200 (48)	7	3	3.0(77)	9 (229)	31 (9.5)	34.8 (10.6)
		1500 (60)	9	4	3.0(77)	9 (229)	40 (12.2)	43.8 (13.5)
		1800 (72)	12	4	3.0(77)	9 (229)	70 (21.4)	53.4 (16.2)

Braided flexible hose with fittings for commercial suspended ceilings

DJ32B-C



DJ32B-C Series Braided Hoses are reinforced with stainless steel braiding for enhanced strength and resistance against damage, vibration, and seismic activity. The outlet reducer is pre-welded to the hose, enabling fast and hassle-free installation.

This series is suitable for a wide range of applications, including commercial buildings, clean rooms, hospitals, pharmaceutical facilities, and chemical plants. Bracket type can be selected according to customer preference.

	PARTS	MATERIALS
1	Flexible Tube	Stainless Steel 304
2	Reducer (Outlet)	Stainless Steel 304
3	Weld Nipple (Inlet)	Stainless Steel 304
4	Sleeve Fitting	Stainless Steel 304
5	Sleeve Nut	Stainless Steel 304
6	Clamp Ring	Stainless Steel 304
7	Weld Ring	Stainless Steel 304
8	Braid Hose	Stainless Steel 304

Product details

Hose diameter	OD 32mm / ID 26.1mm
Ambient Temperature	- 40°C ~ +135°C
Max. Working Pressure	175 psi / 1205 kPa
Min. Bend Radius	8" (203mm)
Certificates	FM approved
Package Contents	1 × braided flexible hose, 1 × center bracket, 1 × square bar, 2 × end brackets.

Specifications - FM

Model No.	Hose Assembly Length in(mm)	NPT in. (mm)	K-Factor	Minimum Bend Radius in (mm)	Number of Bends	Rated Working Pressure psi (kPa)	Equivalent Length of 1 in. Sch 40 Pipe ft(m)
DJ32B-C	24 (610)	1/2 (15)	5.6	8 (203)	1	175 (1205)	8.8 (2.2)
	31.2 (792)	1/2 (15)	5.6	8 (203)	2	175 (1205)	14 (4.3)
	36 (915)	1/2 (15)	5.6	8 (203)	2	175 (1205)	17.5 (5.3)
	48 (1220)	1/2 (15)	5.6	8 (203)	3	175 (1205)	26.3 (8)
	60 (1525)	1/2 (15)	5.6	8 (203)	4	175 (1205)	31.4 (9.5)
	72 (1830)	1/2 (15)	5.6	8 (203)	4	175 (1205)	36.6 (11.1)

Flexible Fire Sprinkler Stainless Drops

for Cleanroom Ceilings

Designed to maintain air cleanliness by controlling suspended particles and noxious gases to specified levels. Ensures the purity of materials and chemicals while regulating pressure, air flow, noise, and vibration. Ideal for semiconductor facilities and environments requiring stringent contamination control.



Advantages



Safe durability against
earthquake



Completely block
external air

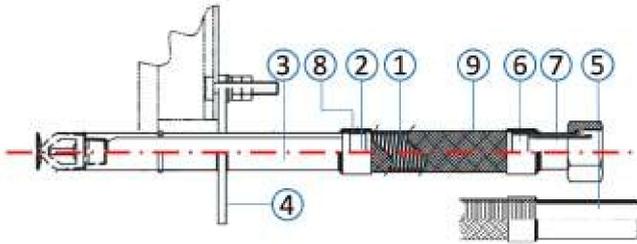


Quick and easy
installation



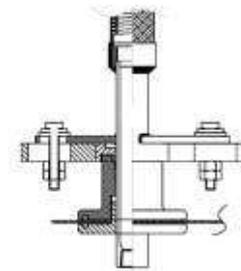
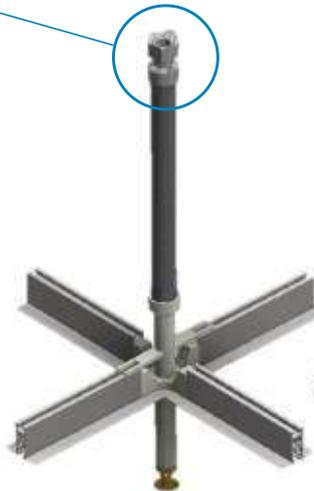
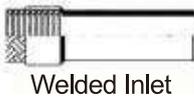
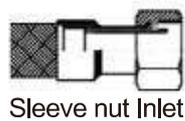
Easy and quick
relocation

Braided flexible hose with fittings for cleanroom DJ32B-M



	PARTS	MATERIALS
1	Flexible Tube	Stainless Steel 304
2	Weld-Ring	Stainless Steel 304
3	Reducer (Outlet)	Stainless Steel 304
4	Bracket	Stainless Steel 304
5	Nipple (Inlet)	Stainless Steel 304
6	Sleeve Fitting	Stainless Steel 304
7	Sleeve Nut	Stainless Steel 304
8	Clamp Ring	Stainless Steel 304
9	Braided Hose	Stainless Steel 304

Detail B



Detail A

Mould bar or Bracket type

Product details

Hose diameter	OD 32mm / ID 26.1mm
Max. Ambient Temperature	- 40°C ~ +135°C
Max. Working Pressure	175 psi / 1205 kPa
Certificates	FM approved

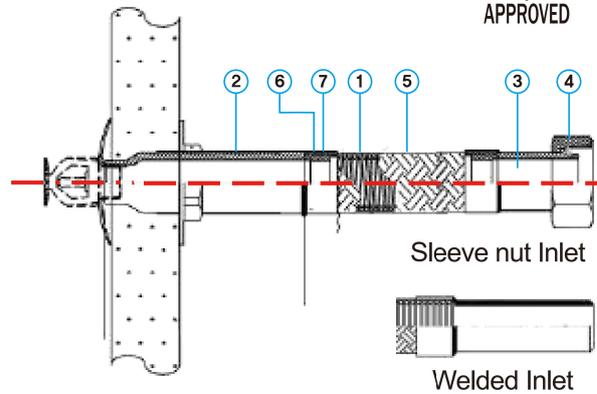
Specifications

Model No.	Hose Assembly Length in(mm)	NPT in.	K-Factor	Minimum Bend Radius in (mm)	Number of Bends	Rated Working Pressure psi (kPa)	Equivalent Length of 1 in. Sch 40 Pipe ft(m)
DJ32B-M	24 (610)	1/2	5.6	8 (203)	1	175 (1205)	11.9 (3.6)
	31.2 (792)	1/2	5.6	8 (203)	2	175 (1205)	14.7 (4.5)
	36 (915)	1/2	5.6	8 (203)	2	175 (1205)	16.5 (5)
	48 (1220)	1/2	5.6	8 (203)	3	175 (1205)	21.2 (6.5)
	60 (1525)	1/2	5.6	8 (203)	4	175 (1205)	27.3 (8.3)
	72 (1830)	1/2	5.6	8 (203)	4	175 (1205)	33.4 (10.1)

Braided flexible hose with fittings for cleanroom DJ32B-S

Applications

TFT-LCD Facility
Semi conductor factory



Installation Type



Weld type



Nut type

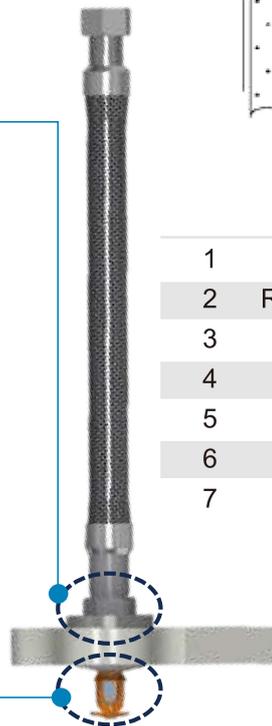
Escutcheons



White Epoxy



Chrome Plated



PARTS	MATERIALS
1 Flexible Tube	Stainless Steel 304
2 Reducer (Outlet)	Stainless Steel 304
3 Sleeve Fitting	Stainless Steel 304
4 Sleeve Nut	Stainless Steel 304
5 Braid Hose	Stainless Steel 304
6 Clamp Ring	Stainless Steel 304
7 Weld Ring	Stainless Steel 304

Product details

Hose diameter	OD 32mm / ID 26.1mm
Max. Ambient Temperature	- 40°C ~ +135°C
Max. Working Pressure	175 psi / 1205 kPa
Certificates	FM approved

Specifications

Model No.	Hose Assembly Length in(mm)	NPT in.	K-Factor	Minimum Bend Radius in (mm)	Number of Bends	Rated Working Pressure psi (kPa)	Equivalent Length of 1 in. Sch 40 Pipe ft(m)
DJ32B-S	24 (610)	1/2	5.6	8 (203)	1	175 (1205)	11.9 (3.6)
	31.2 (792)	1/2	5.6	8 (203)	2	175 (1205)	14.7 (4.5)
	36 (915)	1/2	5.6	8 (203)	2	175 (1205)	16.5 (5)
	48 (1220)	1/2	5.6	8 (203)	3	175 (1205)	21.2 (6.5)
	60 (1525)	1/2	5.6	8 (203)	4	175 (1205)	27.3 (8.3)
	72 (1830)	1/2	5.6	8 (203)	4	175 (1205)	33.4 (10.1)



Spare components are the cornerstone of DAEJIN SANUP CO.'s success and pride today. As pioneers in innovation, we introduced the cap center bracket to the world an achievement that set the stage for our ongoing advancements in technology.

With a portfolio of global patents, DAEJIN SANUP CO. remains steadfast in its commitment to innovation, consistently pushing boundaries to deliver solutions that make installations faster, easier, and more efficient.

Spares

Patent ownership list

US 11,358,170 B2
 US 9,174,077 B2
 EP 2 839 862 A1
 P39654AU00
 US 8,833,719 B2
 ZL 200880014022.6
 PCT/KR2008/005004



One-Touch
Center Bracket



One-Touch
End Bracket

Reducer

Size available at 118, 140, 155, 178, 200, 230mm
 Inlet size available at 1/2", 3/4", 3/8" in both BSPT and NPT thread type
 Entirely made of carbon steel and zinc-plated for durability



Knurling Reducer (140R-36RM-N1)

- Grooved type



Knurling Reducer w/ Marking (140R-36RM-N1)

- Grooved type
- Measurement Marks
- User-friendly for easy installation



Reducer (R-36-N1)

- Standard type
- Length at your choice

Elbow Reducer

An elbow reducer simplifies pipe installation in tight spaces where the main pipe and ceiling are too close for a standard reducer.



90° Elbow Reducer - Long type (RE-36L-N1)

- Size : 162x152mm
- Standard type



90° Welded Reducer (140RE-36WR-N1)

- Length : 140, 155mm
- For tight ceiling



Short Elbow Reducer (42RE-36S-N1)

- Length : 42, 62, 82mm
- Designed to fit with hook bracket



Adjustable Elbow Bracket (42RE-36B-N1)

- Length : 42, 62, 82mm
- Adjustable after installation.
- Less tool needed.

Nipple

The nipple connects the branch pipe to the corrugated hose, matching the branch pipe size. The standard is 63mm, 1" to 1-1/4" thread available in BSPT and NPT.



Nipple (NI-36-N1)

- Carbon steel
- Zinc-plated

Nipple (NI-36-N5)

- Carbon steel
- Zinc-plated
- 1-1/4" thread

Connecting Nipple (N-36-36)

- Carbon steel
- Zinc-plated



SUS Nipple (NI-36-N4SS)

- Stainless steel

Square Bar



Inch	mm
26"	650
28"	700
40"	1,000
52"	1,300
62"	1,600



Center Bracket

The center bracket is designed to securely hold both the hose and sprinkler head, offering a cost-effective installation solution with Genie Systems' patented technology.



Round Bracket (B-CR-B)

- Suspended ceilings
- Hard-Lid ceilings Economy friendly



Cap Mount Bracket (B-CC-B-MD)

- Surface Mount Applications



One touch Bracket (B-COT)

- Suspended ceilings
- Hard-Lid ceilings



Cap Bracket (B-CC-B)

- Suspended ceilings
- 3 types installation available (Lateral, top-down, full bolt thread)



Hook Bracket (B-CH-B)

- Suspended ceilings
- Hard-Lid ceilings
- Designed to fit with elbow bracket

End Bracket

End brackets securely attach the square bar to the ceiling, with options for wood or gypsum boards. Available in two sizes (68mm and 105mm) to suit different bracket models.



One touch Bracket (B-EOTS / B-EOTL)

- Length : 68, 105mm
- Suspended ceilings, Hard-Lid ceilings



Wood Beam Stud Bracket (B-EWS-B)

- For wooden surface



Metal Stud End Bracket (B-E1-B)

- Length : 38mm
- For Metal Stud ceiling



Butterfly Bracket (B-ES-B)

- Length : 68, 105mm
- Suspended ceilings
- Hard-Lid ceilings



Hexagon Bracket (B-ES-H)

- Length : 68, 105mm
- Economy friendly

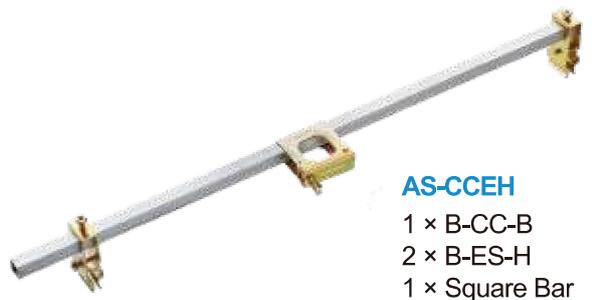


Rondo Brackets (Rondo 60/80H)

- Length : 60, 80mm
- Hard-Lid ceilings
- Hat Furring Channel Grid

Assembly Set

Pre-assembled set for your convenience. All you need to do is clip the end brackets to the ceiling bar and place the reducer, and assemble our flexible sprinkler hose. Each set consists of one center bracket, 2 end brackets, and a square bar at your preference.



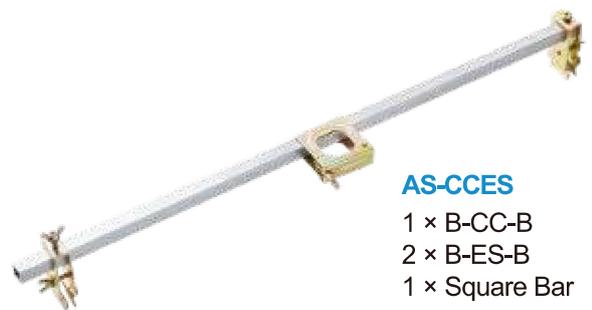
AS-CCEH

1 × B-CC-B
2 × B-ES-H
1 × Square Bar



AS-OTES

1 × B-COT
2 × B-ES-B
1 × Square Bar



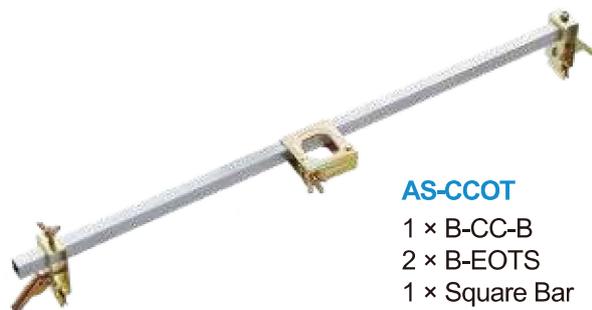
AS-CCES

1 × B-CC-B
2 × B-ES-B
1 × Square Bar



AS-OTS

1 × B-COT
2 × B-EOTS
1 × Square Bar



AS-CCOT

1 × B-CC-B
2 × B-EOTS
1 × Square Bar