

**⚠ WARNING**

- Read and understand all instructions and warnings before attempting to install any DAEJIN flexible sprinkler hose system components.
- DAEJIN Genie Drop and its fittings shall not be used in combination with flexible fittings products of other manufacturers.
- Wear safety glasses, hardhat, and foot protection during installation.
- Drop ceiling construction shall meet the requirements of ASTM C635 and shall be installed in accordance with ASTM C636.
- DAEJIN Genie Drop products shall be installed according to applicable current National Fire Protection Association standards (NFPA 13, 13D, 13R etc.) or equipment standards and in accordance with applicable building and fire codes.

**The DAEJIN Flexible Sprinkler Hose fitting** is an innovative product designed to save time and cost. It can be installed commercial suspended ceilings, including T-grid, metal ornamental, furring, wood and metal joints/studs and concrete block. Our flexible hose can be used in commercial hotels, restaurants, cultural centers, entertainment, educational institutions, public institutions, athletic facilities, and religious buildings.

**Listing and Approvals**

- Factory Mutual, FM Class No. 1637
- Underwriter's Laboratories, Inc., UL 2443

**Intended for use in wet, dry, or preaction actuated systems**

**Maximum Ambient Temperature**  
225°F (107°C)

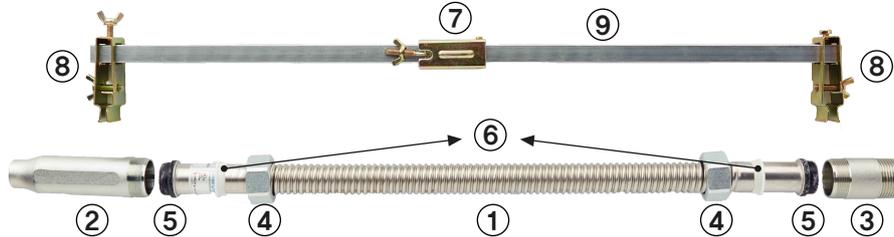
**Largest Sprinkler K-factor for ½ in. outlet : 5.6**

**Largest Sprinkler K-factor for ¾ in. outlet : 8.0**

**Technical data (UL/ FM )**

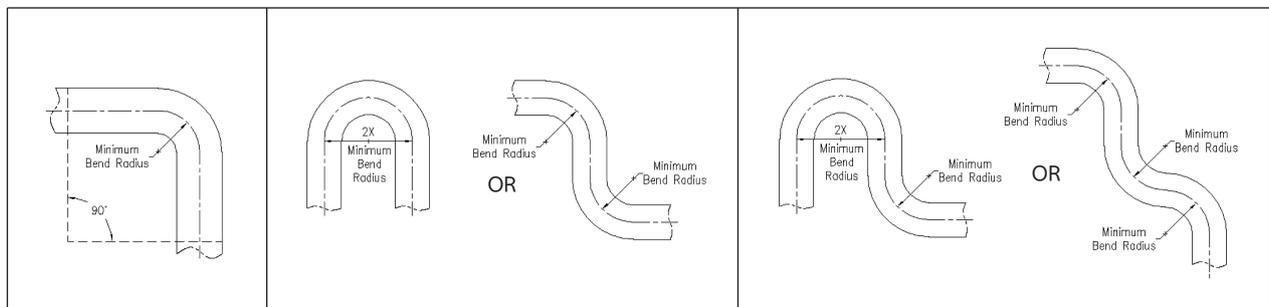
MODEL	NOM. INLET BY OUTLET SIZE, IN.	MAX AMBIENT TEMP. °F	ASSEMBLY LENGTH, ft (mm)	RATED PRESSURE		K - FACTOR		MAX NO. OF 90° BENDS		MIN BEND RADIUS		EQUIVALENT LENGTH OF 1in. SCHEDULE 40 PIPE FT.		FLEXIBILITY TYPE
				UL (PSI)	FM (PSI)	UL	FM	UL	FM	UL in. (mm)	FM in. (mm)	UL	FM	
DJ25UB (UL)	1x1/2	225	2.3 (700)	200	-	5.6	-	2	-	4 (100)	-	32	-	Limited
			3.3 (1000)					3				55		
			3.9 (1200)					3				64		
			4.9 (1500)					3				75		
			5.9 (1800)					3				81		
	1x3/4	225	2.3 (700)	200	-	8.0	-	2	-	4 (100)	-	31	-	Limited
			3.3 (1000)					3				50		
			3.9 (1200)					3				57		
			4.9 (1500)					3				68		
			5.9 (1800)					3				79		
DJ25B (UL&FM)	1x1/2	225	2.0 (610)	175	175	5.6	5.6	1	1	7.5 (190.5)	10 (254)	12	26.4	Limited
		-	2.6 (792)					-	-	1		-	-	
		-	3 (915)					-	1	-		-	34.1	
		225	4 (1220)					3	2	7.5 (190.5)		29	46.8	
		225	5 (1525)					3	3	7.5 (190.5)		68	61.4	
		225	6 (1830)					3	4	7.5 (190.5)		94	76.1	
	1x3/4	225	2.0 (610)	175	175	8.0	8.0	1	1	7.5 (190.5)	10 (254)	21	19.4	Limited
		-	2.6 (792)					-	-	1		-	-	
		-	3 (915)					-	1	-		-	28.4	
		225	4 (1220)					3	2	7.5 (190.5)		36	39.5	
		225	5 (1525)					3	3	7.5 (190.5)		73	54.8	
		225	6 (1830)					3	4	7.5 (190.5)		99	70.1	
DJ28B (UL&FM)	1x1/2	225	2.3 (700)	200	175	5.6	5.6	3	1	3(76)	9 (230)	18	22.9	Limited
			3.3 (1000)					5	2			23	34.6	
			3.9 (1200)					7	3			29	41	
			4.9 (1500)					9	4			39	50.4	
			5.9 (1800)					12	4			50	58.5	
	1x3/4	225	2.3 (700)	200	175	8.0	8.0	3	1	3(76)	9 (230)	20	15.7	Limited
			3.3 (1000)					5	2			24	26.9	
			3.9 (1200)					7	3			31	34.8	
			4.9 (1500)					9	4			40	43.8	
			5.9 (1800)					12	4			70	53.4	
DJ32B (FM)	1x1/2	225	2.0 (610)	-	175	-	5.6	-	1	-	8 (203)	-	8.8	Limited
			2.6 (792)					2	14					
			3 (915)					2	-			17.5		
			4 (1220)					3	-			26.3		
			5 (1525)					4	-			31.4		
			6 (1830)					4	-			36.6		

### Parts List



No.	Part Name	Material	Note
1	Flexible Tube	SS304	-
2	Reducing nipple	SGP	Zinc-Plated
3	Nipple	SGP	Zinc-Plated
4	Nut	SS400	Zinc-Plated
5	Gasket	Silicone Rubber	-
6	Isolation Ring	Nylon66	-
7	Center Bracket (A-DFM)	Carbon Steel	Zinc-Plated
	Center Bracket (B-COT)	Carbon Steel	Zinc-Plated
8	End Bracket (A-DFM)	Carbon Steel	Zinc-Plated
	End Bracket (B-EOT)	Carbon Steel	Zinc-Plated
9	Square bar	Galvanized Iron	Zinc-Plated

### Flexible Hose Bend Characteristics



**⚠** Care shall be taken to avoid torquing the flexible hose

Place the template on the inside of the bend, as shown in below pictures.



**3-inch / 76-mm** MINIMUM BEND RADIUS FOR BRAIDED HOSE



**4-inch / 102-mm** MINIMUM BEND RADIUS FOR UNBRAIDED HOSE

**⚠** Use the appropriate Minimum Bend Radius Template to determine the minimum bend radius.

INSTALLATION INSTRUCTIONS

**B-COT ONE TOUCH CENTER BRACKET**



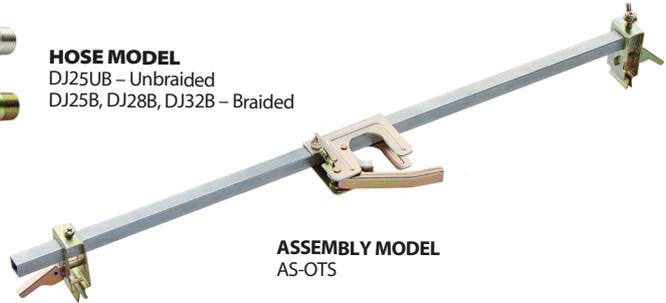
Installation of DAEJIN Flexible sprinkler hose for commercial Application with Anchoring system 02



**HOSE MODEL**  
 DJ25UB – Unbraided  
 DJ25B, DJ28B, DJ32B – Braided



**BRACKET MODEL**  
 B-COT  
 B-EOTS



**ASSEMBLY MODEL**  
 AS-OTS



1. Remove the reducing nipple by turning the nut. (not the reducing nipple)  

Turn the wrench on connection nut only
2. Confirm that sealing gaskets and isolation rings are in place. Reconnect the outlet reducing nipple to the flexible hose. Tighten to a torque of 18.2~21.8 ft-lbs / 24.7~29.6 N.m
3. Apply PTFE thread sealant tape to the tapered of inlet nipple according to manufacturer instructions. Use a pipe wrench to connect the inlet nipple to the branch line as shown in the picture.
4. Confirm that the seal inside the nut of the flexible hose is free from damage and in place proper to installations and connect the nut to the outlet nipple as shown. Tighten the nut to a torque of 18.2~21.8 ft-lbs / 24.7~29.6 N.m  

**DO NOT** use PTFE tape on the outlet nipple to connect to the flexible hose.  
**DO NOT** tighten beyond the specified torque. This may cause damage to the seal.
5. Connect the two end brackets and center bracket to the square bar by inserting the square bar into the hole of the end brackets and center bracket as shown.

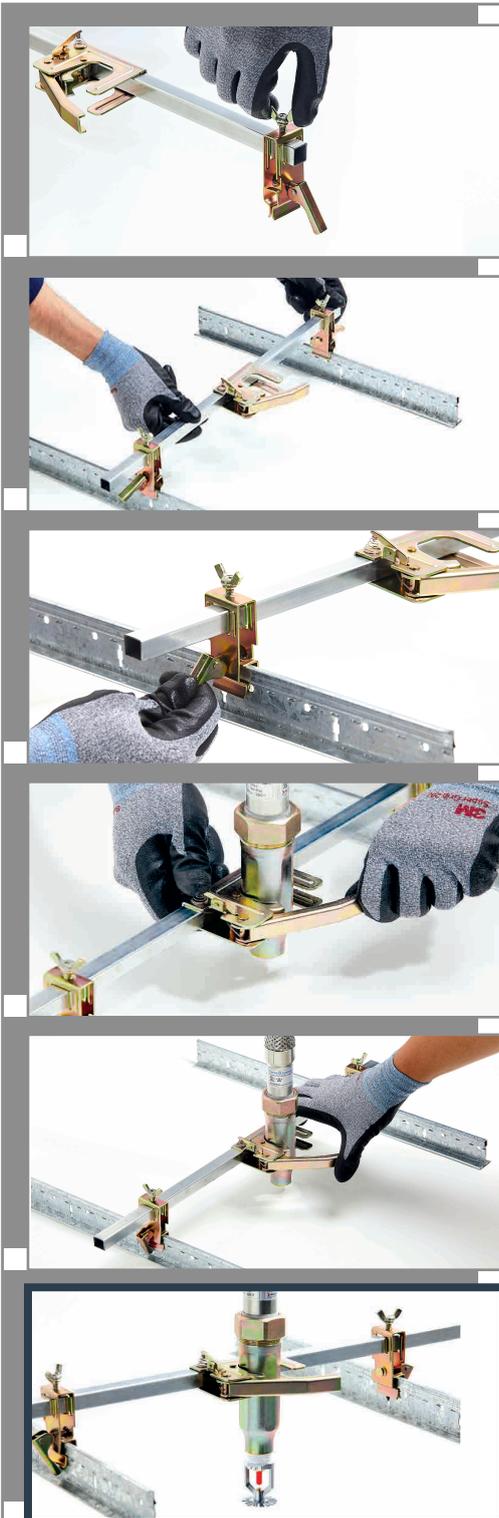
For AS-OTS pre-assembled set, the step 5 and 6 can be omitted.

INSTALLATION INSTRUCTIONS

**B-COT ONE TOUCH CENTER BRACKET**



Installation of DAEJIN Flexible sprinkler hose for commercial Application with Anchoring system 02



6. Tighten the wing bolts on the top of the end brackets to a recommended torque of 1.3~1.8 ft-lbs / 1.8~2.4 N.m



For AS-OTS pre-assembled set, the step 5 and 6 can be omitted.

7. Place the fully assembled bracket to the desired position in the ceiling grid.  
The maximum distance between two end brackets is 28in. (700 mm) and minimum 24in. (600mm).

8. Grasp the lower part of the end bracket and push down completely to ensure the end brackets are assembled to the ceiling grid securely.

9. Take care when you join the center bracket to the reducing nipple, inspect to ensure the lever is open.  
To open the lever, release the lever while pushing down on the lock. Slide the reducing nipple inside the center bracket.

10. Push the lever of the center bracket until the reducing nipple is firmly in place and the lever is fully closed to join firmly and to fasten the reducing nipple together with the bracket and the square bar.

11. SPRINKLER INSTALLATION :  
Follow the sprinkler manufacturer's installation instructions.



The order of installing sprinkler can vary depending on the working environment

ACCESSORIES (FM ONLY)



**90° Elbow Reducing Nipple (Longtype)**

**Model No.** RE-36L-P1/N1, P2/N2

**Description.**  
M36 90 DEG Elbow reducing nipple (1/2", 3/4" PT/NPT)



**Knurled Reducing Nipple**

**Model No.** 140R-36RM-P1/N1  
140R-36RM-P2/N2

**Description.**  
M36 140mm Knurled Reducer (1/2", 3/4" PT/NPT)



**Welded Elbow Reducing Nipple**

**Model No.** 140RE-36WR-P1/N1, P2/N2  
150RE-36WR-P1/N1, P2/N2

**Description.**  
M36 140mm welded reducer elbow (1/2", 3/4" PT/NPT)  
M36 150mm welded reducer elbow (1/2", 3/4" PT/NPT)



**Welded Elbow Reducing Nipple (Knurling)**

**Model No.** 155RE-36WR-P1/N1, P2/N2

**Description.**  
M36 155mm welded reducer elbow (1/2", 3/4" PT/NPT)



**90° Elbow Reducing Nipple (Shorttype)**

**Model No.** 62RE-36S-P1/N1  
82RE-36S-P1/N1

**Description.**  
M36 PT 1/2" 90 DEG SHORT Reducer Elbow 62mm (PT/NPT)  
M36 PT 1/2" 90 DEG SHORT Reducer Elbow 82mm (PT/NPT)



**Adjustable Elbow Reducing Nipple**

**Model No.** 62RE-36B-P1/N1  
82RE-36B-P1/N1

**Description.**  
M36 PT 1/2" Adjustable Reducer Elbow 62mm (PT/NPT)  
M36 PT 1/2" Adjustable Reducer Elbow 82mm (PT/NPT)