

# JOINTS

Protection of piping system protection from pulsation.



Genie-Loop



TPC (Tie Rods Type Pump Connector)



Vacuum bellows



Adjustable elbow bracket



Straight Reducers



Nipple



Bracket



Reducer

Genie systems®  
www.genie-systems.com.vn



## Greetings...

Established in 1989, DAEJIN SANUP Co has been manufacturing machines and construction material for over 30 years. It started producing fire sprinkler joint in 2004. With experience and knowhow, the products of our company are noted of their high quality with competitive price and most of the products are exported in many countries.

DAEJIN has acquired ISO9001-2000, WQA, KFEIC (Korea Fire Equipment Inspection Cooperation, FM and UL certificates. Our reputable flexible sprinkler joints are the preferred choice worldwide. Our flexible sprinkler joints along with their assembly part products come in such a wide variety of shapes and sizes that we feel confident that our products would match your expectations and particular needs. Thank you.

*Lim Young Soon*

President  
DAEJIN SANUP CO.

## HISTORY...

- 1989.02 Daejin Sanup Co was established
- 1990.02 Train Wheel Production
- 1999.01 Precise shaft processing for washing machines from Sanio, Toshiba
- 2004.08 ISO 14001 certificate
- 2007.01 KFI(Korea Fire Institute) certificate for sprinkler joint
- 2008.08 ISO 9001 certificate
- 2008.12 FM approval for braided sprinkler joint DJ258
- 2009.12 UL certificate for braided sprinkler joint DJ258
- 2010.08 KFI certificate for straight sprinkler joint 10-14, for elbow sprinkler joint 10-5)
- 2011.03 FM approval for braided sprinkler joint DJ288
- 2011.06 Venture Business Certification (Technology Guarantee Fund)
- 2011.06 Recognized as a department dedicated to technology (technology development team)
- 2011.08 UL certificate for unbraided sprinkler joint DJ25UB
- 2011.11 KFI(Korea Fire Institute) certificate for straight sprinkler joint 11-99 and 11-100)
- 2011.12 Quality Management Capability Evaluation Certification (Korea Fire Industry Technology Institute)
- 2012.05 Certificate of Origin Exporter for every item (Seoul Customs)
- 2012.06 Selected as a promising export company (Gyeonggi Small and Medium Business Administration)
- 2012.12 Million Dollar Export Tower Award
- 2013.05 UL certificate for new design of End Bracket mounts (B-EL-B)
- 2013.08 UL certificate for the new design of the center and end bracket mounts (B-COT/B-EOT)
- 2014.09 FM approval for new design of Center and End Bracket mounts (B-EL-B, B-COT/B-EOT)
- 2014.12 Three Million Dollar Export Tower Award
- 2015.07 CAS gas pipe certification
- 2015.10 Selected as a promising small and medium business in Gyeonggi-do
- 2016.12 Five Million Dollar Export Tower Award Export promotion company commendation
- 2017.04 ISO 9001 certification (2015)
- 2017.05 Established production in Vietnam (Dajin Vietnam)
- 2018.04 Signed MOU with Vietnam company (Da Boi Nam)
- 2018.08 Established R & D Center
- 2018.09 UL certificate for unbraided sprinkler joint DJ25UB
- 2018.12 Revenue of local subsidiary in Vietnam reached US \$ 5.2 million
- 2019.01 Acquired NAMSON Enterprise, a company in Vietnam
- 2019.03 UL certificate for braided sprinkler joint DJ258
- 2019.11 UL certificate for braided sprinkler joint DJ288 (200psi)



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Genie systems®

Flexible and Problem Free

One Touch  
Bracket

# FLEXIBLE SPRINKLER JOINT

# 3 SECONDS INNOVATION

# JOINT

changed according to an environment and an installer. Aejin will always be installed with the same strength, installer. Just pull down the lever.



**Daejin's Hit Item!**  
This image is only for understanding of the products, it can be different from the actual products.

## Cap Type Bracket

Unbraided Flexible Tube

## CAP TYPE BRACKET

Braided Flexible Tube

## ONE TOUCH BRACKET

Center bracket (B-COT)

Square bar

Center bracket (B-CC-B)

End bracket (B-ES-B)

End bracket (B-EOT)



Installation of the Sprinkler can be completed with just pulling down a lever slightly as an end bracket and a center bracket are assembled in one touch, compared to the conventional installation methods of screwing the bolt several times to tighten. Now it is possible for anyone to install the Sprinkler fast and accurately in 3 seconds.

## Technical Data

Temperature	225 °F	UL-DJ28B: 200psi
Working pressure	175 psi	UL: 0.25-(4", 0.26, 8.0", 7.1", 0.28) 3"
Maximum Bend Radius	3 1/4" (7.5" (UL type), 8 7/8" (1.0" FM type))	FM: 0.26, 8.1(0", 0.28(9", 0.32(8")
K-Factor	1/2" Outlet 3/4" Outlet	5.6 gpm 11.2 gpm (PCB), 8.0 gpm (ULFM)

## Features

Length (mm)	700, 1000, 1200, 1500, 1800	
Reducing nipple Dia	1/2", 3/4" NPT or BSP (Straight or 90 degree elbow)	
Type	Unbraided (ø 25)	UL certificate / LPCB certificate
	Braided (ø 26.8)	UL and FM approval
	Braided (ø 28)	UL and FM approval
	Braided (ø 32)	FM approval

## FM FRICTION LOSS DATA

**DJ25B / Series Braided Hose with Fittings**  
APPROVED  
FM: Minimum bend radius 10"(254mm), where C=120  
Rated Working Pressure 175psi(1205kPa)

Model	NPT In.	K-Factor	Number of Bends	Hose Assembly length ft. (mm)	Equivalent Length of 1 in. Schedule 40 Pipe ft. (m)
DJ25B	1/2	5.6	1	24 (610)	26.4 (8.0)
	1/2	5.6	1	31.2 (792)	32.0 (9.7)
	1/2	5.6	1	36 (915)	34.1 (10.4)
	1/2	5.6	2	48 (1220)	46.8 (14.2)
	1/2	5.6	3	60 (1525)	61.4 (18.7)
	1/2	5.6	4	72 (1830)	76.1 (23.2)
DJ28B	3/4	8.0	1	24 (610)	19.4 (5.9)
	3/4	8.0	1	31.2 (792)	23.4 (7.3)
	3/4	8.0	1	36 (915)	28.4 (8.6)
	3/4	8.0	2	48 (1220)	39.5 (12.0)
	3/4	8.0	3	60 (1525)	54.8 (16.7)
	3/4	8.0	4	72 (1830)	70.1 (21.4)

## FM FRICTION LOSS DATA

**DJ28B / Series Braided Hose with Fittings**  
APPROVED  
FM: Minimum bend radius 9"(230mm), where C=120  
Rated Working Pressure 175psi(1205kPa)

Model	NPT In.	K-Factor	Minimum Bend Radius ft. (mm)	Number of Bends	Hose Assembly length ft. (mm)	Equivalent Length of 1 in. Schedule 40 Pipe ft. (m)
DJ28B	1/2	5.6	9 (230)	1	2.3	22.9 (6.9)
	1/2	5.6	9 (230)	2	3.3	34.6 (10.5)
	1/2	5.6	9 (230)	3	3.9	41.0 (12.5)
	1/2	5.6	9 (230)	4	4.9	50.4 (15.3)
	1/2	5.6	9 (230)	4	5.9	58.5 (17.8)
	3/4	8.0	9 (230)	1	2.3	15.7 (4.8)
DJ32B	3/4	8.0	9 (230)	2	3.3	26.9 (8.2)
	3/4	8.0	9 (230)	3	3.9	34.8 (10.6)
	3/4	8.0	9 (230)	4	4.9	43.8 (13.5)
	3/4	8.0	9 (230)	4	5.9	53.4 (16.2)

## FM FRICTION LOSS DATA

**DJ32B / Series Braided Hose with Fittings**  
APPROVED  
FM: Minimum bend radius 8"(203mm), where C=120  
Rated Working Pressure 175psi(1205kPa)

Model	NPT In.	K-Factor	Minimum Bend Radius ft. (mm)	Number of Bends	Hose Assembly length ft. (mm)	Equivalent Length of 1 in. Schedule 40 Pipe ft. (m)
DJ32B	1/2	5.6	8 (203)	1	2.4 (610)	8.8 (2.2)
	1/2	5.6	8 (203)	2	3.12 (792)	14 (4.3)
	1/2	5.6	8 (203)	2	3.6 (915)	17.5 (5.3)
	1/2	5.6	8 (203)	3	4.8 (1220)	26.3 (8)
	1/2	5.6	8 (203)	4	6.0 (1525)	31.4 (9.5)
	1/2	5.6	8 (203)	4	7.2 (1830)	36.6 (11.1)

Just pull down the lever!

**One Touch Bracket**



APPROVED