

EXPANSION JOINTS

An Expansion Joint is the ideal solution of piping system protection from movement, vibration and pressure pulsation.



Rubber Expansion Joint



Genie-Loop



Flexible Joint



TPC (Tie Rods Type Pump Connector)



GIS bellows



Vacuum bellows

Spare parts



Center brackets (one touch, open type)



End bracket



Adjustable elbow bracket



Straight Reducers



Elbow Reducer



One touch End bracket

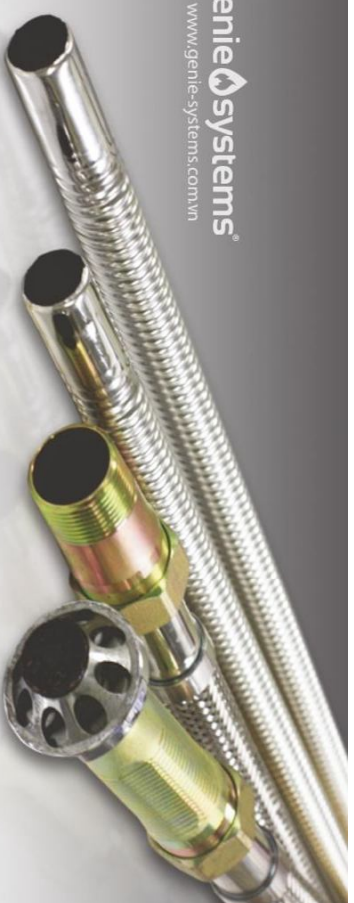


Nipple



Reducer

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



Greetings...

Established in 1989, DAEJIN SANJUP Co has been manufacturing machines and construction material for over 30 years. It started producing fire sprinkler joint in 2004. With experience and know-how, 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.

HISTORY...

- 1989.02 Daejin Sanjup Co was established
- 1990.02 Train Wheel Production
- 1999.01 Precise shaft processing for washing machines from Samjo, Toshiba
- 2004.08 ISO 1,4001 certificate
- 2007.01 KFI(Korea Fire Institute) certificate for sprinkler joint
- 2008.08 ISO 9001 certificate
- 2008.12 FM approval for braided sprinkler joint D1258
- 2009.12 UL certificate for braided sprinkler joint 10-14, for elbow sprinkler joint 10-51
- 2010.08 KFI certificate for straight sprinkler joint D1288
- 2011.03 FM approval for braided sprinkler joint D1288
- 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 D1251B
- 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-8)
- 2013.08 UL certificate for the new design of the center and end bracket mounts (B-COT/8-EOT)
- 2014.09 FM approval for new design of center and end bracket mounts (B-COT/8-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 (Daejin Vietnam)
- 2018.04 Signed MOU with Vietnam company (Da Bai Nam)
- 2018.08 Established R & D Center
- 2018.09 UL certificate for unbraided sprinkler joint D1251B
- 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 D1258
- 2019.11 UL certificate for braided sprinkler joint D1288 (200psi)

President
Lim Kang Soom
DAEJIN SANJUP CO.



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Genie systems®

Flexible and Problem Free **OneTouch**™

FLEXIBLE SPRINKLER JOINT

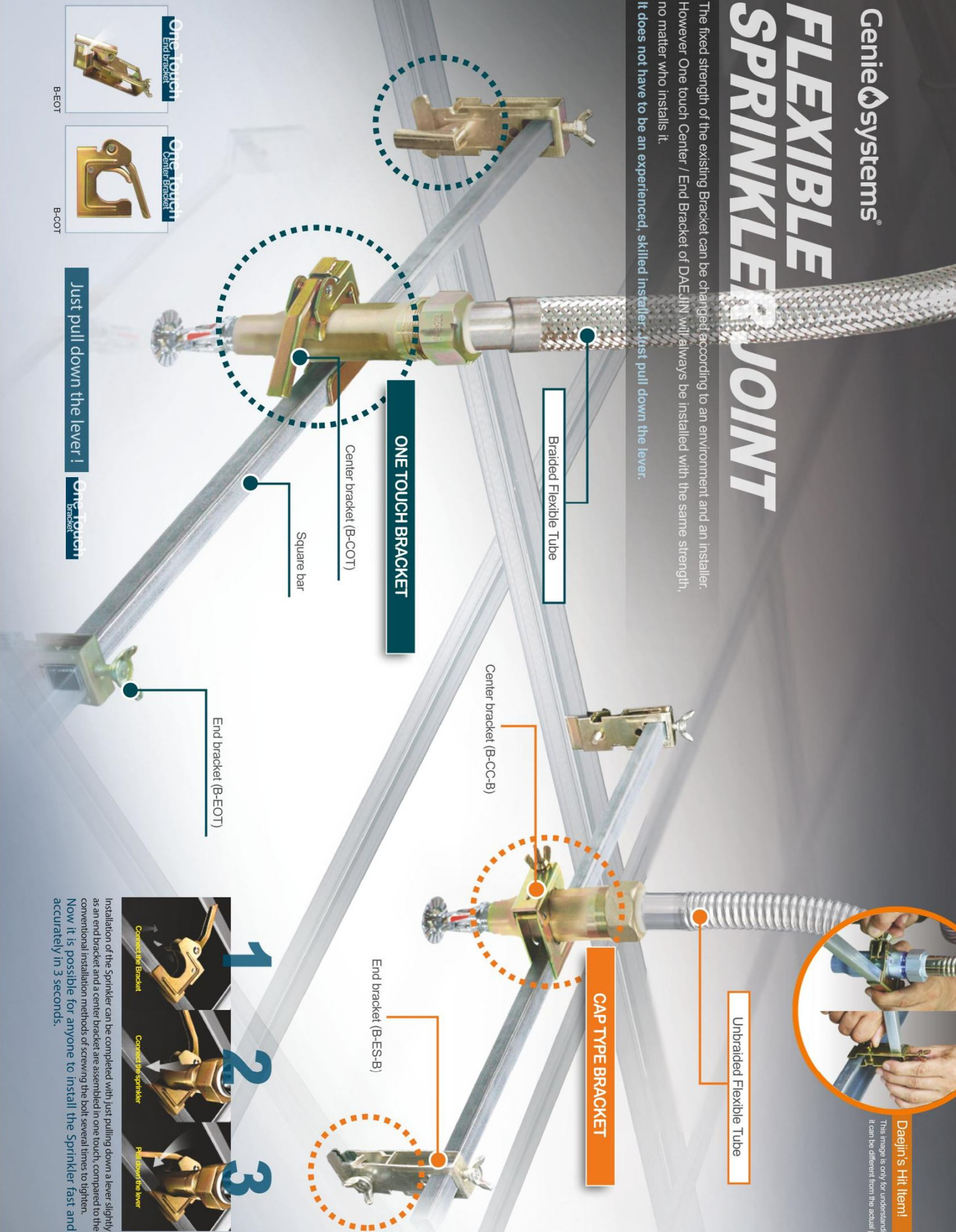
3 SECONDS INNOVATION

DAEJIN
www.genie-systems.com.vn



FLEXIBLE SPRINKLER JOINT

The fixed strength of the existing Bracket can be changed according to an environment and an installer. However One touch Center / End Bracket of DAELIN will always be installed with the same strength, no matter who installs it. It does not have to be an experienced, skilled installer. Just pull down the lever.



Just pull down the lever!



Daelin's Hit Item!
This image is only for understanding of the products. It can be different from the actual products.

Cap Type

Unbraided Flexible Tube

CAP TYPE BRACKET

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 D228B, 200psi
Working pressure	175 psi	UL, 0.25-64, 020A/7.21, 020B/7.8
Maximum Band Radius	3/4"/2.5 (UL type) 8/9"/210 (FM type)	FM, 020A/107, 020B/7.8
K-Factor	127 Oulet 34" Oulet	5.6 gpm 11.2 gpm (ULCB), 8.0 gpm (ULFM)

Features

Length (mm)	700, 1000, 1500, 1900, 1800
Reducing pipe Dia	1/2", 3/4" NPT or BSP (Straight or 90 degree elbow) Unbraided (ø 20) Braided (ø 28.8)
Type	UL and FM certificate UL and FM approval UL and FM approval FM approval Braided (ø 20) FM approval

FM FRICITION LOSS DATA

DJ25B / Series Braided Hose with Fittings

Rated Working Pressure 175psi (120kPa)

Model	NPT in.	K-Factor	Number of Bends	Hose Assembly Length (m)	Equivalent Length of 1 in. Schedule 40 Pipe (ft)
12	5.6	6 (1200)	1	24 (610)	28.4 (86.9)
12	5.6	6 (1200)	1	31.2 (792)	32.0 (97.5)
12	5.6	6 (1200)	2	38 (915)	34.1 (104.4)
12	5.6	6 (1200)	2	46 (1150)	48.8 (14.2)
12	5.6	6 (1200)	4	60 (1525)	61.4 (18.7)
12	5.6	6 (1200)	4	72 (1830)	76.1 (23.2)
34	8.0	9 (1200)	1	24 (610)	19.4 (59.9)
34	8.0	9 (1200)	1	31.2 (792)	23.4 (72.3)
34	8.0	9 (1200)	2	38 (915)	28.4 (86.9)
34	8.0	9 (1200)	2	46 (1150)	38.5 (112.0)
34	8.0	9 (1200)	4	60 (1525)	54.8 (16.7)
34	8.0	9 (1200)	4	72 (1830)	70.1 (21.4)

FM FRICITION LOSS DATA

DJ25B / Series Braided Hose with Fittings

Rated Working Pressure 175psi (120kPa)

Model	NPT in.	K-Factor	Number of Bends	Hose Assembly Length (m)	Equivalent Length of 1 in. Schedule 40 Pipe (ft)
12	5.6	6 (1200)	1	2.3	2.2 (6.9)
12	5.6	6 (1200)	2	3.3	3.4 (10.5)
12	5.6	6 (1200)	3	3.9	4.0 (12.3)
12	5.6	6 (1200)	4	4.9	5.0 (15.3)
12	5.6	6 (1200)	4	5.9	5.8 (17.8)
34	8.0	9 (1200)	1	2.3	1.5 (4.8)
34	8.0	9 (1200)	2	3.3	2.6 (8.2)
34	8.0	9 (1200)	3	3.9	3.4 (10.6)
34	8.0	9 (1200)	4	4.9	4.8 (13.5)
34	8.0	9 (1200)	4	5.9 </td <td>5.4 (16.2)</td>	5.4 (16.2)

FM FRICITION LOSS DATA

DJ32B / Series Braided Hose with Fittings

Rated Working Pressure 175psi (120kPa)

Model	NPT in.	K-Factor	Number of Bends	Hose Assembly Length (m)	Equivalent Length of 1 in. Schedule 40 Pipe (ft)
12	5.6	6 (1200)	1	24 (610)	8.8 (2.7)
12	5.6	6 (1200)	2	31.2 (792)	14 (4.3)
12	5.6	6 (1200)	3	38 (915)	17.5 (5.3)
12	5.6	6 (1200)	4	46 (1150)	26.3 (8.0)
12	5.6	6 (1200)	4	60 (1525)	31.4 (9.5)
12	5.6	6 (1200)	4	72 (1830)	38.0 (11.1)

ULCB FRICITION LOSS DATA

Pressure loss & equivalent length (Tables 4.4, 4.6)
The results of the test are shown in Tables 1 to 5.
Nominal Size / Connection: Supply: 1" NPT external thread.
FM: Minimum band radius 4" (100mm), when C=120

Product Name	Length (mm)	Nominal Size / Connection: outlet	Pressure (psi)	ULCB Ref. No.
700	127 NPT external thread 34" NPT external thread	34" NPT external thread	16	1258a01
1000	127 NPT external thread 34" NPT external thread	34" NPT external thread	16	1258a01
1500	127 NPT external thread 34" NPT external thread	34" NPT external thread	16	1258a01
1800	127 NPT external thread 34" NPT external thread	34" NPT external thread	16	1258a01

UL FRICITION LOSS DATA

DJ25B / Series Braided Hose with Fittings

UL: Minimum band radius 7.5" (190mm), when C=120
Rated Pressure 175psi
Maximum Ambient temperature, 225°F / Franchy type is limited.

Model	Nom. Size in.	Assembly Length (ft)	Max. No. of 90° Bends	Equivalent Length of 1 in. Schedule 40 Steel Pipe (ft)
1412	2.3(70)	2	3	12
1412	3.3(100)	2	3	20
1412	4.0(120)	3	3	60
1412	5.0(150)	3	3	84
1412	5.8(180)	3	3	21
1434	2.0(61)	2	2	30
1434	4.0(120)	2	2	73
1434	5.0(150)	3	3	99

UL FRICITION LOSS DATA

DJ25B / Series Braided Hose with Fittings

UL: Minimum band radius 3"(76mm), when C=120
Rated Pressure 175psi
Maximum Ambient temperature, 225°F / Franchy type is limited.

Model	Nom. Size in.	Assembly Length (ft)	Max. No. of 90° Bends	Equivalent Length of 1 in. Schedule 40 Steel Pipe (ft)
1412	2.3(70)	2	3	16
1412	3.3(100)	3	3	35
1412	3.8(120)	3	3	62
1412	4.8(150)	3	3	84
1412	5.8(180)	3	3	22
1434	2.3(70)	2	3	43
1434	3.3(100)	3	3	50
1434	3.8(120)	3	3	59
1434	4.8(150)	3	3	66
1434	5.8(180)	3	3	

UL FRICITION LOSS DATA

DJ25B / Series Braided Hose with Fittings

UL: Minimum band radius 3"(76mm), when C=120
Rated Pressure 200psi
Maximum Ambient temperature, 225°F / Franchy type is limited.

Model	Nom. Size in.	Assembly Length (ft)	Max. No. of 90° Bends	Equivalent Length of 1 in. Schedule 40 Steel Pipe (ft)
1412	2.3(70)	3	3	18
1412	3.3(100)	5	3	20
1412	3.8(120)	7	3	29
1412	4.8(150)	9	3	30
1412	5.8(180)	12	3	50
1434	2.3(70)	3	3	20
1434	3.3(100)	5	3	24
1434	3.8(120)	7	3	31
1434	4.8(150)	9	3	40
1434	5.8(180)	12	3	70