

TECH RAY TECHNOLOGY

TECH RAY TECHNOLOGY CO., LTD.

3F-1, No.545, Sec.2, Taiwan Blvd., West Dist., Taichung City, Taiwan. (40360)

TEL: +886-4-23260119 FAX: +886-4-23268220

E-mail: jomes_wu@hotmail.com



FIRE FITTINGS AND VALVE AND PUMPS

Flexible Sprinkler Joint

FLEXIBLE SPRINKLER JOINT




The **TRT** flexible sprinkler joint enhances work efficiency by 50-70% compared to traditional piping. Its anchoring parts are specially designed to allow for an easy installation even when the task is performed by an unskilled installer.



Flexible Sprinkler Joint




Braided Type



Model No.	  	TDJ25B-700	TDJ25B-1000	TDJ25B-1200	TDJ25B-1500	TDJ25B-1800
		YJ28-SB-700	YJ28-SB-1000	YJ28-SB-1200	YJ28-SB-1500	YJ28-SB-1800
Length(mm)		700	1000	1200	1500	1800
Max Pressure		200PSI	200PSI	200PSI	200PSI	200PSI
Inlet		1"(BSPT,NPT)				
Outlet		1/2" or 3/4"(BSPT,NPT)				

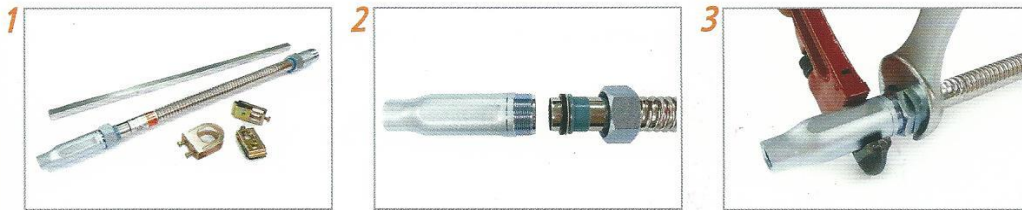
Unbraided Type



Model No.	  	TDJ25UB-700	TDJ25UB-1000	TDJ25UB-1200	TDJ25UB-1500	TDJ25UB-1800
		YJ28-S-700	YJ28-S-1000	YJ28-S-1200	YJ28-S-1500	YJ28-S-1800
Length(mm)		700	1000	1200	1500	1800
Max Pressure		200PSI	200PSI	200PSI	200PSI	200PSI
Inlet		1"(BSPT,NPT)				
Outlet		1/2" or 3/4"(BSPT,NPT)				

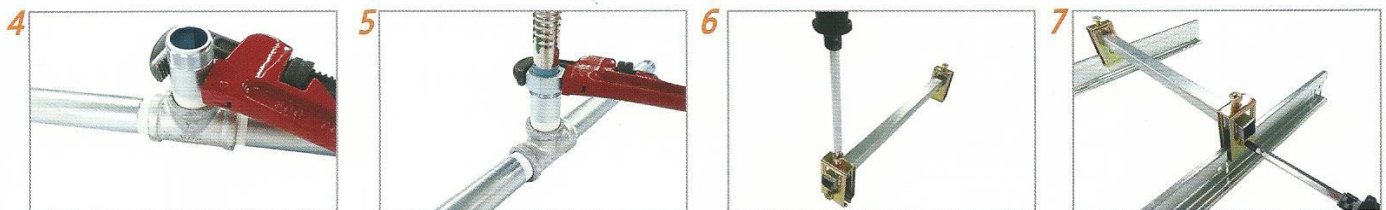
Accessories

						
110mm Standad Reducer REGST110	110mm Reducer(Rolling) RENT110	135mm Reducer(Rolling) RENT135	155mm Reducer(Rolling) RENT155	110mm Elbow Reducer REN90110	155mm Elbow Reducer REN90155	150mm Elbow Reducer REG90150
						
1" Nipple NIBA25	Connection Nipple NICO25	1-1/4" Nipple NIBA32	Center Bracket CBBA	Center Bracket(Circle) CBBAC	60mm Side Bracket SBBA60	78mm Side Bracket SBBA78
						
105mm Side Bracket SBBA105	Metal Stud Side Bracket SBH038	53mm Metal Stud Side Bracket SBH053	Small Hat Channel Side Bracket SBRD60	Long Hat Channel Side Bracket SBRD80	Wood beam Side Bracket SBWB	Bolt / Wing Bolt BOBA/BOBF



1. Do visual inspection to see if there is any sign of physical damage on the hose.
2. Check O-Ring and Insulation Ring to see if there is any sign of physical damage.
3. Connect Reducer to Nut by using a wrench.

※ Nut and Reducer connecting torque: 500kgf/cm



4. Apply Teflon tape on the inlet nipple thread. Use pipe wrench to connect the inlet nipple to the branch line.
5. After inspect O-Ring and Insulation Ring for any sign of physical damage, connect flexible sprinkler hose to the outer nipple.

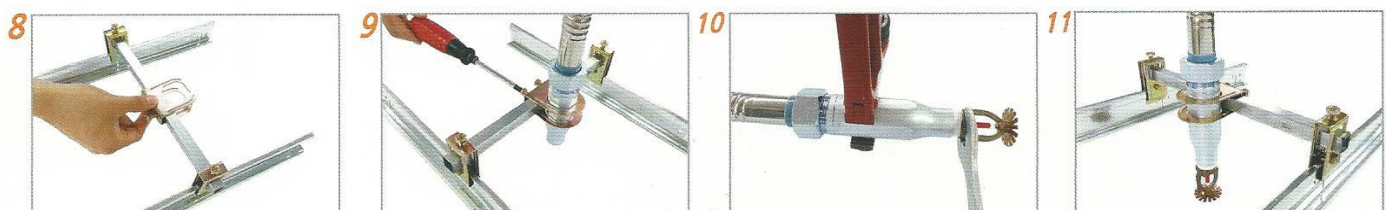
Warning : Do NOT apply Teflon tape on the outer nipple thread when connect to the flexible sprinkler hose.

※ Nipple + main pipe connecting torque: 850~900kgf/cm

※ Nut +Nipple connecting torque: 500kgf/cm

6. Install each Bracket-S to Square bar by using drivers as shown on photo 6. Put a space of 600 mm to 1,200 mm approximately.
7. Connect square bar to the T-bar ceiling grid as shown on photo 2 and tighten the bolts on the Bracket-S to secure on the grid.

※ Bracket-S bolts connecting torque: 45kgf/cm



8. Place the Bracket-L at the middle of the square bar.
9. Insert the outlet reducer from the flexible sprinkler hose and securely fasten by tightening two bolts on the Bracket-L

※ Bolts of Bracket-L connecting torque: 65kgf/cm

10. Apply the Teflon tape on the inlet thread of sprinkler head and connect to the outer nipple of reducer.
11. Check all the parts are securely tightened.

Approval Guide



for Commercial Suspended Ceilings

Flexible sprinkler hose with threaded end fittings are for use in commercial suspended ceilings. The flexible hoses are to be installed according to the manufacturer's directives.

DJ25B

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 Schedule 40 Pipe, ft (m)
DJ25B	1/2	5.6	10 (254)	1	175 (1205)	24 (610)	26.4 (8.0)
DJ25B	1/2	5.6	10 (254)	1	175 (1205)	31.2 (792)	32.0 (9.7)
DJ25B	1/2	5.6	10 (254)	1	175 (1205)	36 (915)	34.1 (10.4)
DJ25B	1/2	5.6	10 (254)	2	175 (1205)	48 (1220)	46.8 (14.2)
DJ25B	1/2	5.6	10 (254)	3	175 (1205)	60 (1525)	61.4 (18.7)
DJ25B	1/2	5.6	10 (254)	4	175 (1205)	72 (1830)	76.1 (23.2)
DJ25B	3/4	8.0	10 (254)	1	175 (1205)	24 (610)	19.4 (5.9)
DJ25B	3/4	8.0	10 (254)	1	175 (1205)	31.2 (792)	24.0 (7.3)
DJ25B	3/4	8.0	10 (254)	1	175 (1205)	36 (915)	28.4 (8.6)
DJ25B	3/4	8.0	10 (254)	2	175 (1205)	48 (1220)	39.5 (12.0)
DJ25B	3/4	8.0	10 (254)	3	175 (1205)	60 (1525)	54.8 (16.7)
DJ25B	3/4	8.0	10 (254)	4	175 (1205)	72 (1830)	70.1 (21.4)

1 in. nominal diameter flexible metal hose for providing a connection to automatic sprinklers in commercial suspended ceilings. Approval is limited for use in commercial suspended ceilings with a bracket system

The code of information for these flexible hose model designations is as follows:

Marking	Description
DJ	Manufacturer's initials
25	Size in mm (Actual dimensions: 26.8 mm OD, 26.2 mm ID)
B	Braid

Company Name: TECH RAY TECHNOLOGY CO.,LTD.