

FLEXONE 32 - SE

- Introduction -

FLEXONE 32-SE, SEUNG JIN Flexible Sprinkler Hose, is designed to be used in wet sprinkler systems between the branchline and sprinkler when installed in accordance with NFPA 13, 13D, and 13R.

FLEXONE 32-SE provides a unique sprinkler drop assembly comprised of the following components:

- Stainless Steel Flexible Hose with Two Slip Nuts
- Branchline Inlet Nipple
- Straight Sprinkler Reducer
- Reducer Bracket, Bar Fixing Clamps, and Support Bar

FLEXONE SJ32B-TXXX-SE





Product : Flexible Sprinkler Hose With Fittings

Hose Diameter : 31.8mm

Max. Working Pressure : 200 psi

Max. Ambient Temperature : 225°F

End Connections : 1/2", 3/4", 1" Outlet Reducer For
Sprinkler(NPT/BSPT)

1", 1-1/4" Inlet Nipple For Pipe(NPT/BSPT)

Material : Stainless Steel 304

Product Code : **FLEXONE SJ32B-TXXX-SE**

- Strength & Composition -

Using **FLEXONE 32-SE** saves time and cost because the system can be installed in false ceilings without cutting and threading pipes associated with installing a drop, arm-over, and elbows.

FLEXONE 32-SE makes it possible to test and charge the system with water before installing the ceiling grid. After the ceiling grid is in position, the **FLEXONE 32-SE** can be reshaped to suit the final sprinkler location without draining the system.

FLEXONE 32-SE is installed quickly without large and expensive tools. Ideal applications include offices, schools, libraries, hospitals, and shopping complexes.

Model Composition

FLEXONE : SEUNG JIN Brand For Sprinkler Joint System
(For Use With Commercial Suspended Ceiling)

SJ : Sprinkler Joint

32 : Hose Nominal Diameter(Ø31.8)

B : Braided Type

T : Threaded Type

XXX : Length

SE : Special Edition

- Approvals -

FLEXONE 32-SE - Hose : 31.8mm(32A)

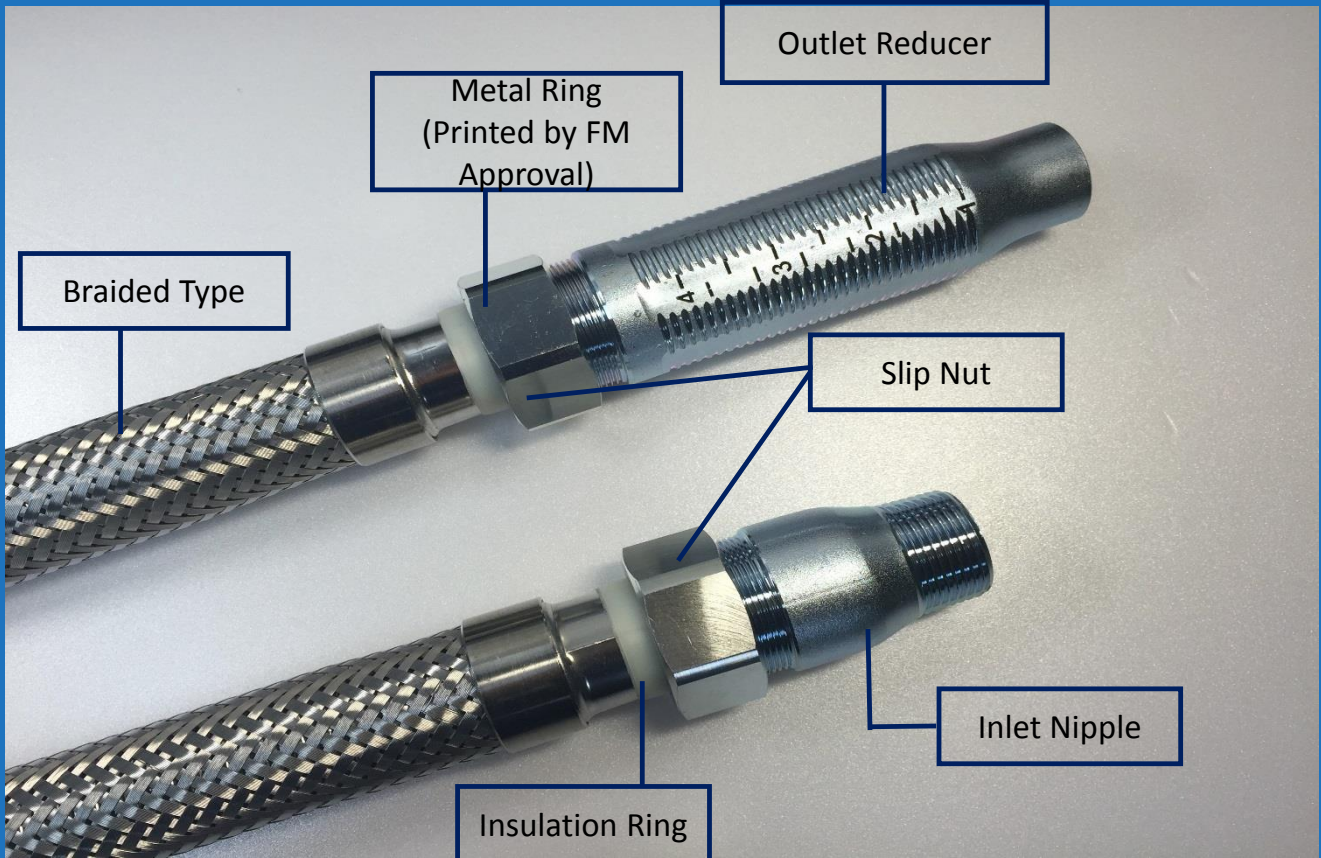
(1) Threaded Type

| Braided | UL(C) | FM | VdS |
|------------------------|-------------|-------------|------------|
| FLEXONE SJ32B-T700-SE | (UL) | (FM) | N/A |
| FLEXONE SJ32B-T1000-SE | | | |
| FLEXONE SJ32B-T1200-SE | | | |
| FLEXONE SJ32B-T1500-SE | | | |
| FLEXONE SJ32B-T1800-SE | | | |

(*): In Preparation

For your reference, we are now processing UL Listed and FM Approval for FLEXONE SJ32B-TXXX-SE. So, the Technical Data is also the value that we registered for the certifications. Finally, the data can be changed.

- Specification -



| | | |
|--------------------------|--|------------------------------|
| Hose Diameter | 32A : FLEXONE 32 | I.D. : 31.2mm O.D. : 31.8mm |
| Hose Type | Braided Type / Threaded Type | |
| Max. Ambient Temperature | 225°F (107°C) | |
| Max. Working Pressure | 200 psi | |
| Minimum Bend Radius | Target : 4 Inch (UL/ULC) / 8 Inch (FM) | |
| K-Factor | 1/2" Outlet | 5.6 (gpm) |
| | 3/4" Outlet | 8.0 (gpm) |
| | 3/4" Outlet | 11.2 (gpm) |
| | 3/4" Outlet | 14.0 (gpm) |
| | 3/4" Outlet | 16.8 (gpm) |
| | 1" Outlet | 25.2 (gpm) |
| Length Available | 700mm, 1000mm, 1200mm, 1500mm, 1800mm | |
| Connection | Inlet | 1" or 1-1/4", NPT/BSPT |
| | Outlet ⁴ | 1/2" or 3/4" or 1", NPT/BSPT |



- Technical Data -

(1) UL 32 - FLEXONE SJ32B-TXXX-SE

| Model | Rated Pressure, psig | Nom Inlet by Outlet Size, in. | Assembly Length, ft(m) | Max No. of 90° Bends | Min Bend Radius, in. | Equivalent Length of 1 in. Schedule 40 Steel Pipe(c=120), ft |
|------------------------|----------------------|-------------------------------|------------------------|----------------------|----------------------|--|
| FLEXONE SJ32B-T700-SE | 200 | 1x1/2 | 2.3(700) | 1 | 4 | TBD |
| FLEXONE SJ32B-T1000-SE | 200 | 1x1/2 | 3.3(1000) | 1 | 4 | TBD |
| FLEXONE SJ32B-T1200-SE | 200 | 1x1/2 | 3.9(1200) | 2 | 4 | TBD |
| FLEXONE SJ32B-T1500-SE | 200 | 1x1/2 | 4.9(1500) | 2 | 4 | TBD |
| FLEXONE SJ32B-T1800-SE | 200 | 1x1/2 | 5.9(1800) | 2 | 4 | TBD |
| FLEXONE SJ32B-T700-SE | 200 | 1x3/4 | 2.3(700) | 1 | 4 | TBD |
| FLEXONE SJ32B-T1000-SE | 200 | 1x3/4 | 3.3(1000) | 1 | 4 | TBD |
| FLEXONE SJ32B-T1200-SE | 200 | 1x3/4 | 3.9(1200) | 2 | 4 | TBD |
| FLEXONE SJ32B-T1500-SE | 200 | 1x3/4 | 4.9(1500) | 2 | 4 | TBD |
| FLEXONE SJ32B-T1800-SE | 200 | 1x3/4 | 5.9(1800) | 2 | 4 | TBD |

(2) FM 32 - FLEXONE SJ32B-TXXX-SE

| 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 in. Schedule 40 Pipe, ft(m) |
|------------------------|---------|----------|-----------------------------|-----------------|----------------------------------|------------------------------|--|
| FLEXONE SJ32B-T700-SE | 1/2 | 5.6 | 8(200) | 1 | 200(1380) | 28(700) | 18.9(5.7) |
| FLEXONE SJ32B-T1000-SE | 1/2 | 5.6 | 8(200) | 2 | 200(1380) | 40(1000) | 23.3(7.0) |
| FLEXONE SJ32B-T1200-SE | 1/2 | 5.6 | 8(200) | 2 | 200(1380) | 48(1200) | 26.3(8.0) |
| FLEXONE SJ32B-T1500-SE | 1/2 | 5.6 | 8(200) | 3 | 200(1380) | 60(1500) | 30.7(9.3) |
| FLEXONE SJ32B-T1800-SE | 1/2 | 5.6 | 8(200) | 4 | 200(1380) | 72(1800) | 33.5(10.2) |
| FLEXONE SJ32B-T700-SE | 3/4 | 8.0 | 8(200) | 1 | 200(1380) | 28(700) | 9.6(2.9) |
| FLEXONE SJ32B-T1000-SE | 3/4 | 8.0 | 8(200) | 2 | 200(1380) | 40(1000) | 13.9(4.2) |
| FLEXONE SJ32B-T1200-SE | 3/4 | 8.0 | 8(200) | 2 | 200(1380) | 48(1200) | 16.2(4.9) |
| FLEXONE SJ32B-T1500-SE | 3/4 | 8.0 | 8(200) | 3 | 200(1380) | 60(1500) | 22.3(6.8) |
| FLEXONE SJ32B-T1800-SE | 3/4 | 8.0 | 8(200) | 4 | 200(1380) | 72(1800) | 27.1(8.3) |