

## STAINLESS STEEL FLEXIBLE HOSE FITTING FOR AUTOMATIC SPRINKLER SYSTEMS- BRAIDED

**Type: FB**

**Doc No: DS-A50-FB-01-C-X**

### 1.0 PRODUCT OVERVIEW

The flexible hose is composed of stainless steel bellows hose, joint fittings and fixing bracket group. It provides an innovative, simple and efficient installation method for the end sprinkler of fire sprinkler system, replacing the traditional installation method of short pipe sleeve and malleable iron pipe fittings.



#### **Dimensions:**

Length of the hose: 28" (L700mm) -72" (L1800mm)

Diameter of the inlet and outlet: DN25 X DN15, DN25 X DN20

#### **Design Standard:**

NFPA 13, NFPA 13D

#### **Working Pressure:**

200PSI

#### **Application:**

Stainless steel flexible hose fittings is mainly applied for the automatic sprinkler system with nominal pressure under 200 PSI, temperature under 107°C. The length of the hose is usually between 700MM and 1800MM

#### **Surface Treatment:**

- Hot-dip galvanizing
- Electroplated zinc
- Others would be available upon clients' detailed request

## 2.0 APPROVALS



## 3.0 SPECIFICATIONS

Description		Material
Corrugated tube Braid & collar-rings		AISI 304 stainless steel
Discharge Nipple	Straight	Galv. Steel ASTM 1020
	90° Bend	Galv. Steel ASTM 1020
Inlet Nipple		Galv. Steel ASTM 1020
Hexagon Slip nut		Galv. Steel ASTM 1020
Gasket		EPDM
Isolation Ring		Nylon 66
Center Bracket	Fast Center Bracket	Galv. Steel ASTM A283 Gr. D
	Regular Center Bracket	Galv. Steel ASTM A283 Gr. D
Side Bracket	Long Side Bracket	Galv. Steel ASTM A283 Gr. D
	Shot Side Bracket	Galv. Steel ASTM A283 Gr. D
Square Bar		Galv. Steel ASTM A283 Gr. B
Bolts & Screws	Hexagon Screw Set	Galv. Steel ASTM A283 Gr. D
	Wing Screw Set	Galv. Steel ASTM A283 Gr. D

## 4.0 DIMENSIONS AND PERFORMANCE

Connection: DN25 X DN15 or DN25 X DN20, NPT or BSPT

Hose Diameter: O.D.26.8 mm

Flow: 21.0mm

Flexible hose		FM approval data				cULus listing data			
Hose Length	Sprinkler Thread Size	Max. Allow. Sprinkler K-factor	Max. No. of 90° Bends	Min. Bending Radius	EQL of 33.7mm/1" SCH40 Pipe	Max. Allow. Sprinkler K-factor	Max. No. of 90° Bends	Min. bending Radius	EQL of 33.7mm/1" SCH40 Pipe
mm in.	DN in.	Metric Imprl.	n x 90°	mm inch	meters feet	Metric Imprl.	n x 90°	mm inch	meters feet
700	15	115	1	250	8.1	81	2	100	7.6
	½	8.0			26.7	5.6			25.0
28	20	202	3	9.8	6.5	115	3	3.9	6.4
	¾	14.0			21.5	8.0			21.0
1000	15	115	3	250	12.9	81	3	100	10.1
	½	8.0			42.6	5.6			33.0
40	20	202	3	9.8	12.0	115	3	3.9	11.0
	¾	14.0			39.6	8.0			36.0
1200	15	115	3	250	16.2	81	3	100	11.9
	½	8.0			53.2	5.6			39.0
48	20	202	3	9.8	15.7	115	3	3.9	13.1
	¾	14.0			51.6	8.0			43.0
1500	15	115	3	250	20.6	81	3	100	15.2
	½	8.0			67.8	5.6			50.0
60	20	202	3	9.8	19.3	115	3	3.9	15.8
	¾	14.0			63.5	8.0			52.0
1800	15	115	4	250	25.1	81	3	100	17.7
	½	8.0			82.4	5.6			58.0
72	20	202	4	9.8	22.9	115	3	3.9	19.2
	¾	14.0			75.4	8.0			63.0

## 5.0 REFERENCE MATERIALS

Approved certification for Stainless Steel Flexible Hose Fitting