

## Certificate of Product Approval

Certificate Number: 566Aa

Issue: 04

**Dong-A Flexible Metal Tubes Co. Ltd.**

4F Kowon Bldg. 20-19, Yangjae-Dong,  
Seocho-Gu, Seoul 137-888, Korea



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) as detailed below:

### Products

Flexible Sprinkler Hose Assemblies

See Appendix for details

### Standards

LPS 1261

Requirements for testing Flexible Hoses for Sprinkler Systems

This certificate and appendix is maintained and held in force through regular surveillance activities

Signed for LPCB

B W Lywood  
Verifier

11 August 2014  
Date of Issue

09 February 2007  
Date of First Issue



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## Appendix to Certificate No: 566Aa Dong-A Flexible Metal Tubes Co. Ltd.

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Product Name	Length (mm)	Supply Nominal Size/Connection	Outlet Nominal Size/Connection	Max. Working Pressure (bar)	LPCB Ref. No.
DA-SP-1_S (1, 2, 3, 4)	700	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread or R1(1"BSPT) or 1"NPT External thread	16	566a/01
DA-SP-1 (1, 2, 3, 4)	780	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread or R1(1"BSPT) or 1"NPT External thread	16	566a/01
DA-SP-2_S (1, 2, 3, 4)	1,000	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread or R1(1"BSPT) or 1"NPT External thread	16	566a/01
DA-SP-2 (1, 2, 3, 4)	1,220	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread or R1(1"BSPT) or 1"NPT External thread	16	566a/01
DA-SP-3 (1, 2, 3, 4)	1,540	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread or R1(1"BSPT) or 1"NPT External thread	16	566a/01
DA-SP-4 (1, 2, 3, 4)	1,880	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread or R1(1"BSPT) or 1"NPT External thread	16	566a/01
DA-SP-5 (1, 2, 3, 4)	2,540	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread or R1(1"BSPT) or 1"NPT External thread	16	566a/01
DA-SP-6 (1, 2, 3, 4)	3,220	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread or R1(1"BSPT) or 1"NPT External thread	16	566a/01

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*B W Lywood*

Signed for LPCB

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Product Name	Length (mm)	Supply Nominal Size/Connection	Outlet Nominal Size/Connection	Max. Working Pressure (bar)	LPCB Ref. No.
DA-SPN-1_S (1, 2, 3)	700	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/02
DA-SPN-1 (1, 2, 3)	780	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/02
DA-SPN-2_S (1, 2, 3)	1,000	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/02
DA-SPN-2 (1, 2, 3)	1,220	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/02
DA-SPN-3 (1, 2, 3)	1,540	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/02
DA-SPN-4 (1, 2, 3)	1,880	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/02
DA-SPN-5 (1, 2, 3)	2,540	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/02
DA-SPN-6 (1, 2, 3)	3,220	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/02

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Product Name	Length (mm)	Supply Nominal Size/Connection	Outlet Nominal Size/Connection	Max. Working Pressure (bar)	LPCB Ref. No.
DA-SPW-1_S (1, 2, 3)	700	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/03
DA-SPW-1 (1, 2, 3)	780	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/03
DA-SPW-2_S (1, 2, 3)	1,000	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/03
DA-SPW-2 (1, 2, 3)	1,220	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/03
DA-SPW-3 (1, 2, 3)	1,540	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/03
DA-SPW-4 (1, 2, 3)	1,880	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/03
DA-SPW-5 (1, 2, 3)	2,540	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/03
DA-SPW-6 (1, 2, 3)	3,220	R1(1"BSPT) or 1"NPT or R1.1/4(1.1/4"BSPT) External thread	Rc1/2(1/2"BSPT) or 1/2"NPT or Rc3/4(3/4"BSPT) or 3/4"NPT Internal thread	16	566a/03

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**Notes:**

These products have been approved as a Type 2 hose of moderate flexibility in accordance with LPS 1261. These may be used in applications where little or no differential movement between the two ends is expected after installation (e.g. supply to single sprinklers in suspended ceilings)

(1) Dong-A sprinkler connections are approved for use in the following applications:

Assembly length (mm)	Pre-calculated		Fully hydraulically calculated
	Town's mains	Pumped	
Up to 1220*	Yes	Yes	Yes
Up to 1880**	No	Yes	Yes
Up to 3220	No	No	Yes

All pipe work supplying Dong-A flexible sprinkler connections assemblies in pre-calculated systems shall be sized as Distribution mains

\* For use with a 90 degree sprinkler reducer, this length is to 1000 mm

\*\* For use with a 90 degree sprinkler reducer, this length is reduced to 1540 mm

The above applications apply to Dong-A flexible sprinkler connections with up to 3 x 90' bends and either straight or 90' reducers.

(2) In suspended ceilings Dong-A flexible sprinkler connections must be installed in accordance with Installation Instructions DASP000501.

(3) In suspended ceilings, outlet reducer must be secured to the ceiling support system with brackets supplied. For other applications the installer must supply brackets to ensure sprinkler is secure.

(4) For special applications the outlet is 1" Nipple for connection to normal standard pipe fittings, installer must supply & install brackets to ensure that the sprinkler is secure.

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