



水務署  
Water Supplies Department

總部 Headquarters

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48/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

本署檔號 : ( 6 ) in WSD 3321/2021 T/J(1789/2021)  
Our ref.  
來函檔號 :  
Your ref.

電話 :  
Tel.  
傳真 : 2824 0578  
Fax.

19 May 2022

Tradetech Supplies Limited  
602, 6/F., Wing Fat Industrial Building,  
12 Wang Tai Road, Kowloon Bay,  
Kowloon, Hong Kong

(Attn.: Mr Michael HAU)

Dear Sir,

**Approval of “LIGHTWAY” Expansion Joints  
(General Acceptance No. C20220391)**

Your letters dated 8 December 2021, 18 February 2022 and 27 April 2022 refer.

Having considered the test report ref. BC-SUMMARY-2021-162 issued on 27 April 2022 by Castco Testing Centre Ltd., this Authority accepts that the fittings described below comply with, and their use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

**Name of Manufacturer:** Light Way Metals Co Ltd

**Country of Origin:** Taiwan, China

**Brand:** Lightway

**Details of Fitting:** Stainless steel expansion joint

**Model:** JF-850SG/SS316

**Size:** 40mm, 50mm, 65mm, 80mm, 100mm, 150mm, 200mm, 250mm

**Body Markings:** Model JF-850SG SS316

**Expiry Date:** 25 April 2027

This Authority hereby permits the use of the above fittings in fresh water plumbing systems and fresh water fire services systems subject to full adherence to Waterworks installation requirements.

A condition of this acceptance is that the fittings to be installed shall be replicas of the samples as certified by the testing agent mentioned above and without modifications. This acceptance may be withdrawn at any time if the standard of the fittings installed fails to meet that of the approved samples or if the fittings are found to be unsuitable for use in the water supply systems mentioned above.

For the use of the fittings in any project, the General Acceptance Number of this letter must be quoted as a means of identification of acceptance of the fittings by this Authority.

Should you have any enquiries, please contact our Engineer Ms Winnie LO at tel. no. 3583 4086.

Yours faithfully,



(YAU Hau Yin)

for Director of Water Supplies

Encl.

c.c.      WSD 3321/1/82    ] - without catalogue  
             ME/MC            ] - with soft copy only

# LIGHT WAY METALS

## Expansion Joint

Model No. JF-850SG/SS316

### Specifications

Two multiply stainless steel bellows connected by intermediate tube, welded to tube end and flanges and with internal sleeve, external covers and tie-rods. Designed to accommodate lateral movement of pipeline in medium working pressure and temperature.

### Schematic

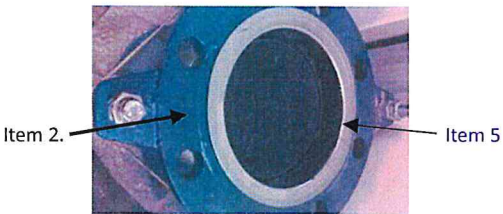
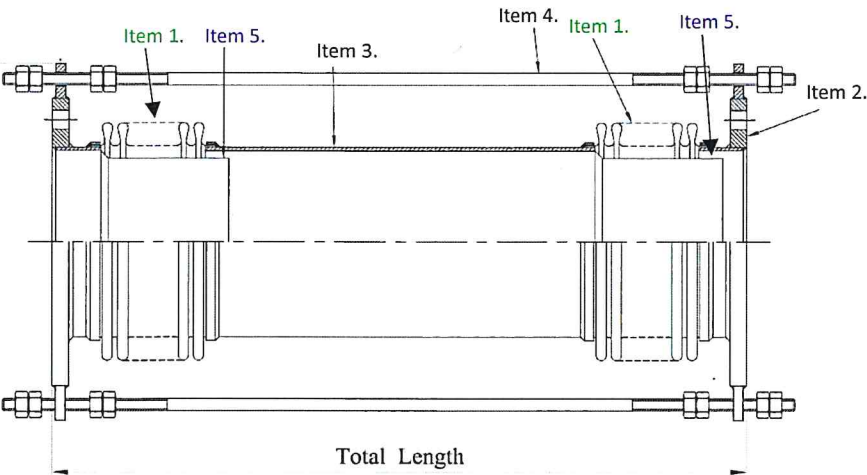
Manufacturer : Light Way Metals Co., Ltd.  
Brand Name : Lightway  
Body Marking : Model JF-850SG SS316

### Working Pressure

- 16 bar size: DN40, DN50, DN65, DN80, DN100, DN150, DN200, DN250

### Material Specifications

| Item No. | Part Name       | Material        | EN Spec / Grade                                                             |
|----------|-----------------|-----------------|-----------------------------------------------------------------------------|
| 1.       | Bellows         | Stainless Steel | SS316, Grade 1.4401 (NO Coating exist in the internal passage of the joint) |
| 2.       | Flange          | Carbon Steel    | SS400                                                                       |
| 3.       | Connecting Tube | Stainless Steel | SS304, Grade 1.4301                                                         |
| 4.       | Tie-Rods        | Carbon Steel    | SS400                                                                       |
| 5.       | Internal Sleeve | Stainless Steel | SS316                                                                       |



Dimensions (mm) :

|                                              |      |      |      |      |       |       |       |       |
|----------------------------------------------|------|------|------|------|-------|-------|-------|-------|
| Nominal Dia.                                 | DN40 | DN50 | DN65 | DN80 | DN100 | DN150 | DN200 | DN250 |
| Lateral movement<br>+/- 50mm<br>Total Length | 950  | 950  | 950  | 950  | 950   | 950   | 950   | 950   |

Origin: Taiwan