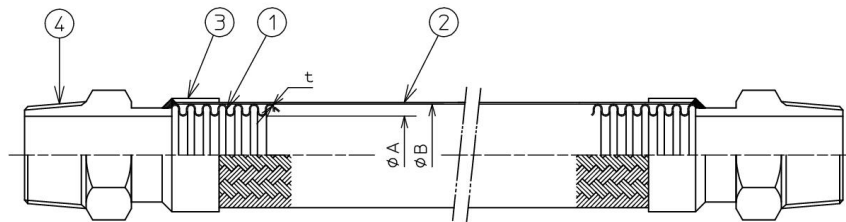


### 1. Applications and Features

|          |                                                                 |
|----------|-----------------------------------------------------------------|
| Purpose  | Gap adjustment of plumbing, Absorbing lateral movement          |
| Location | No vibration pipe line                                          |
| Features | Threaded flexible joints with fixed nipple joints on both ends. |

### 2. Structure and Parts

Figure 1 shows the structure, and Table 1 shows the part names and materials.



Z-11000Ni

Figure 1 . Structure

Table1. Parts List

| No. | Name         | Material                                            |
|-----|--------------|-----------------------------------------------------|
| 1   | Bellows      | Stainless steel 304                                 |
| 2   | Braide       | Stainless steel 304                                 |
| 3   | Braide cover | Stainless steel 304                                 |
| 4   | Nipple       | Carbon steel (10A)<br>Malleable cast iron (15A~65A) |

### 3. Dimensions and maximum working pressure

Table 2 shows dimensions and maximum working pressure.

Table2. Dimensions and maximum working pressure

Unit : mm

| Size | Bellows |      |      | Max. working pressure<br>(MPa) |
|------|---------|------|------|--------------------------------|
|      | φ A     | φ B  | t    |                                |
| 10A  | 10.5    | 15.1 | 0.25 | 1.0                            |
| 15A  | 13.0    | 18.4 | 0.25 | 1.0                            |
| 20A  | 19.0    | 25.4 | 0.3  | 1.0                            |
| 25A  | 25.3    | 32.5 | 0.3  | 1.0                            |
| 32A  | 33.5    | 40.6 | 0.3  | 1.0                            |
| 40A  | 39.1    | 47.5 | 0.35 | 1.0                            |
| 50A  | 52.6    | 61.6 | 0.35 | 1.0                            |
| 65A  | 66.0    | 77.0 | 0.4  | 1.0                            |

※Maximum working pressure is at normal temperature.

**4. Minimum bend radius and total length required for each displacement**

Table 3 shows the minimum bend radius and the total length required for each displacement.

Table 3. minimum bend radius and total length required for each displacement

Unit : mm

| Size | Min. bend radius | Displacement |     |     |      |      |      |
|------|------------------|--------------|-----|-----|------|------|------|
|      |                  | 50           | 100 | 150 | 200  | 250  | 300  |
| 10A  | 35               | 300          | 400 | 500 | 550  | 600  | 650  |
| 15A  | 50               | 350          | 450 | 500 | 550  | 600  | 700  |
| 20A  | 65               | 400          | 500 | 600 | 650  | 750  | 800  |
| 25A  | 80               | 400          | 550 | 650 | 700  | 800  | 850  |
| 32A  | 100              | 500          | 650 | 750 | 850  | 900  | 1000 |
| 40A  | 120              | 500          | 650 | 800 | 900  | 1000 | 1050 |
| 50A  | 140              | 550          | 750 | 900 | 1000 | 1100 | 1200 |
| 65A  | 220              | 600          | 800 | 950 | 1050 | 1150 | 1250 |

<Design condition> Pressure : Maximum working pressure (B1)

Temperature : Normal temperature

Number of times repeated : More than 3,000 times

**5. Applicable temperature range**

-20℃~300℃

**6. Inspection**

Inspection items : Visual inspection, Dimensional inspection (Overall length),  
Leak inspection

Frequency : ALL

**7. Notes**

- Please inquire separately when used for piping with severe vibration and pressure fluctuation.
- Please refer to the "Installation Instructions" for installation procedures.