# NK-VN6800 | Double Bellow with Tie Rods

NFK
TOP JAPANESE BRAND
SINCE 1971

## ◆ APPLICATION

- Absorbing large amounts of lateral, axial movement in piping systems
- Accommodating misalignment in complex piping layouts
- Isolating vibration and reducing noise transmission from pumps, compressors, or other equipments
- Protect equipment from stress and fatigue due to temperature changes



## ◆ FEATURES

- Applicable Media

Water, Air, Low-pressure Steam, Oil, Hot Oil, Gas, Exhaust Gas...etc
*For others, please contact us for consultation

- Woking Pressure: Up to 1.0MPa

*Higher Pressure is available on request

- Working Temperature: Up to 650 Deg. C.

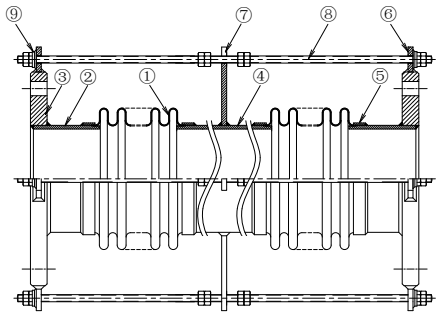
*Disregard working pressure
**Higher Temperature is available on request

- End Connection: JIS, DIN, EN, BS, ASME

*Special standard is available on request

**STRUCTURE**

| No. | Parts | Material |
|---|---|---|
| 1 | Bellows | Stainless Steel (304 . 321 . 316L . Others) |
| 2 | End pipe | Carbon Steel . Stainless Steel |
| 3 | Fixed flange | Carbon Steel . Stainless Steel |
| 4 | Middle pipe | Carbon Steel . Stainless Steel |
| 5 | Collar | Stainless Steel |
| 6 | Holder 1 | Carbon Steel . Stainless Steel |
| 7 | Holder 2 | Carbon Steel . Stainless Steel |
| 8 | Tie rods | Carbon Steel . Stainless Steel |
| 9 | Spherical nut | Carbon Steel . Stainless Steel |




Unit (mm)

**SPECIFICATION**

| Size | | Inner diameter ID | Lateral move Y20 | Lateral move Y50 | Main Anchor Loading Force (N) |
|---|---|---|---|---|---|
| DN | Inch | | Standard OAL | | |
| 50 | 2 | 59.1 | 400 | 550 | 6,375 |
| 65 | 2-1/2 | 74.9 | 400 | 550 | 9,103 |
| 80 | 3 | 87.3 | 450 | 600 | 13,229 |
| 100 | 4 | 111.4 | 450 | 650 | 19,150 |
| 125 | 5 | 136.9 | 550 | 750 | 25,653 |
| 150 | 6 | 161.9 | 550 | 750 | 33,693 |
| 200 | 8 | 213.1 | 650 | 900 | 56,513 |
| 250 | 10 | 264.2 | 700 | 1000 | 81,500 |
| 300 | 12 | 315 | 750 | 1100 | 108,395 |

Calculated at 1.0 MPa and 100 °C

## INSTALLATION GUIDE

- Read the manual for proper setup and long-term reliability.
- Install strong fixed points to resist spring force and pressure thrust.
- Place fixed points close to the expansion joint.
- Use only one joint between two fixed points

## NOTES

- Best-fit product for absorbing lateral, axial movement and budget optimization
- The information in this catalog may be subject to updates or modifications without prior notice.
- Special lengths are available on request.
- Special contraction and expansion amounts are available on request.
- Available in sizes up to DN1000 upon request.