

NK-VN7100 | Double Bellow, Reinforcing Ring Type

◆ APPLICATION

- Compensating for large thermal expansion and contraction
- High Pressure Resistance
- Protect equipment from stress and fatigue due to temperature changes
- Restricting axial movement and restraining pressure thrust

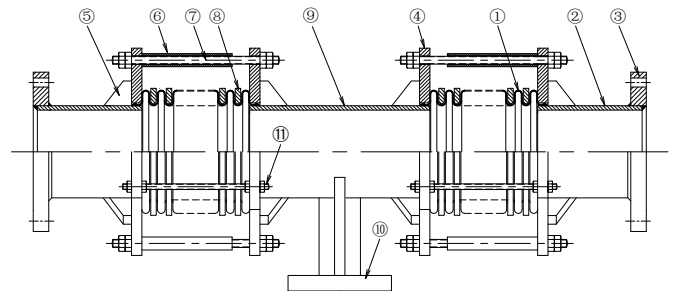
◆ FEATURES

- Applicable Media
Water, Air, High-pressure Steam, Oil, Hot Oil, Gas, Exhaust Gas...etc
*For others, please contact us for consultation
- Working Pressure: Up to 2.0MPa
*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	Flange	Carbon Steel . Stainless Steel
4	Neck ring	Carbon Steel . Stainless Steel
5	Rib	Carbon Steel . Stainless Steel
6	Stopper	Carbon Steel . Stainless Steel
7	Tie rods	Carbon Steel . Stainless Steel
8	Reinforce ring	Carbon Steel . Stainless Steel
9	Middle pipe	Carbon Steel . Stainless Steel
10	Anchor base	Carbon Steel . Stainless Steel
11	Shipping bolts	Carbon Steel . Stainless Steel



Unit (mm)

SPECIFICATION

Size		Inner diameter ID	Expansion Amount	Contraction Amount	Main Anchor Loading Force (N)	Min. OAL
DN	Inch					
50	2	59.1	20	50	9,964	800
65	2-1/2	74.9	20	50	14,830	800
80	3	87.3	20	50	21,019	900
100	4	111.4	20	50	31,341	950
125	5	136.9	20	50	43,321	950
150	6	161.9	20	50	58,017	950
200	8	213.1	20	50	98,125	1,000
250	10	264.2	20	50	144,035	1,000
300	12	315	20	50	194,532	1,000

Calculated at 2.0 MPa and 200°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 option for high pressure and large thermal expansion and contraction
- 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.
- The higher sizes are available upon request.

Scan for more information

