

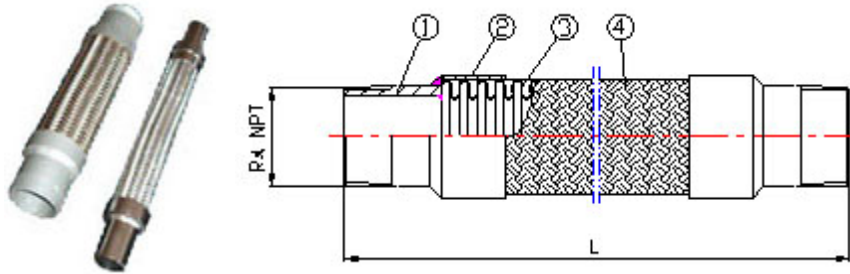


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» YBR-1001(I 、 II) Series Damping Metal Hose



◆ Features:

1. To absorb effectively the vibration, noise, thermal expansion from pipeline system;
2. To resolve minor deviation because of piping connection and eliminate the pipeline residual stress;
3. Easy cleaning and maintenance.

◆ **Applications:** For the chemical industry, metallurgy, electricity, shipbuilding, construction and other industries.

◆ **Application temperature:** -50 °C ~ 300 °C.

No.	Parts	Materials
1	Top tube	SUS304/316L/SS400
2	Stiffening ring	SUS304
3	Bellows	SUS304/316L/321
4	Mesh jacket	SUS304

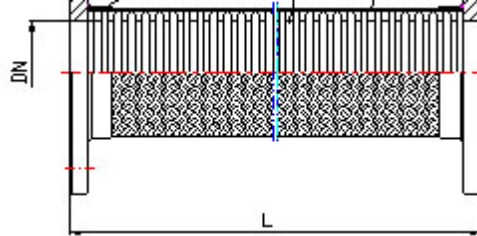
◆ **YBR— 1001Series Parameters:** ((D: single-layer S: Double-layer H: spiral A: Single Ring))

Product Model	Bellows		Finish Product	Bellows Form				Displacement		Working Pressure
	Inner Diameter		Total Length	Length of Bellows	Diameter of Bellows	Bellows Type	Mesh Layer	Vibration	Horizontal	max
	mm	inch	mm	mm	mm	H/A	S/D	mm	mm	Kg/cm ²
YBR-1001 (I)	15	½"	250	114	18.5	H	D	4.5	13.4	55
	20	¾"	250	114	25.6	H	D	3.6	10.7	40
	25	1"	250	114	33	A	D	3.3	9.8	30
	32	1¼"	250	114	41	A	D	2.5	7.4	28
	40	1½"	300	164	52	A	D	4.1	12.4	26
	50	2"	300	124	65.2	A	D	2.4	7.3	25
	65	2½"	350	174	81	A	D	4.1	12.2	25
YBR-1002 (II)	25	1"	250	114	33	A	S	3	8.8	50
	32	1¼"	250	114	41	A	S	2.2	6.7	45
	40	1½"	300	164	52	A	S	3.7	11.1	42
	50	2"	300	124	65.2	A	S	2.2	6.6	40
	65	2½"	350	174	81	A	S	3.7	11	38
	80	3"	350	146	97	A	S	2.4	7.1	35

The work pressure of the hose body was measured at room temperature 21 °C. The joint form of hose can be produced in accordance with the needs of customers.

» YBR-1002(I 、 II) Series Damping Metal Hose





◆ **Features:**

1. To absorb effectively the vibration, noise, thermal expansion from pipeline system;
2. To resolve minor deviation because of piping connection and eliminate the pipeline residual stress;
3. Good flexibility, resistant to high temperature, resistant to corrosion, anti-fatigue.

◆ **Applications:** For the chemical industry, metallurgy, electricity, shipbuilding, construction and other industries.

◆ **Application temperature:** -50 °C ~ 300 °C.

◆ **YBR-1002Series Parameters:** ((D: single-layer S: Double-layer H: spiral A: Single Ring))

No.	Parts	Materials
1	Flange	SUS304/316L/SS400
2	Stiffening ring	SUS304
3	Bellows	SUS304/316L/321
4	Mesh jacket	SUS304

Product Model	Bellows		Finish Product	Bellows Form				Displacement		Working Pressure
	Inner Diameter		Total Length	Length of Bellows	Diameter of Bellows	Bellows Type	Mesh Layer	Vibration	Horizontal	max
	mm	inch	mm	mm	mm	H/A	S/D	mm	mm	Kg/cm ²
YBR-1002 (I)	40	1½	200	150	52	A	D	3.5	10.4	25
	50	2	230	160	65.2	A	D	4.1	12.1	25
	65	2½	230	160	81	A	D	3.5	10.4	25
	80	3	230	160	97	A	D	3.2	9.4	20
	100	4	230	160	119	A	D	2.5	7.6	20
	125	5	280	190	150	A	D	3	9.1	16
	150	6	280	190	175	A	D	2.5	7.4	16
	200	8	300	210	231	A	D	2.9	8.6	16
	250	10	330	234	284	A	D	3.2	9.6	16
	300	12	350	254	336	A	S	2.3	6.9	16
350	14	350	254	373	A	S	2.2	6.4	16	
YBR-1002 (II)	40	1½	200	150	52	A	S	3.1	9.3	45
	50	2	230	160	65.2	A	S	3.7	10.9	40
	65	2½	230	160	81	A	S	3.1	9.3	35
	80	3	230	160	97	A	S	2.8	8.5	35
	100	4	230	160	119	A	S	2.3	6.8	30
	125	5	280	190	150	A	S	2.7	8.2	30
	150	6	280	190	175	A	S	2.2	6.6	30
	200	8	300	210	231	A	S	2.6	7.8	28
	250	10	330	234	284	A	S	2.9	8.6	25
	300	12	350	254	336	A	S	2.3	6.9	25
350	14	350	254	373	A	S	2.2	6.4	25	

Flange production standards are based on JIS, ANSI, DIN, BS, JB, and other standards.

» **YBR-1003A、B、D (I、 II) Series Metal Hose**

◆ **Features:**

1. To absorb effectively the vibration, noise, thermal expansion from pipeline system;
2. To resolve minor deviation because of piping connection



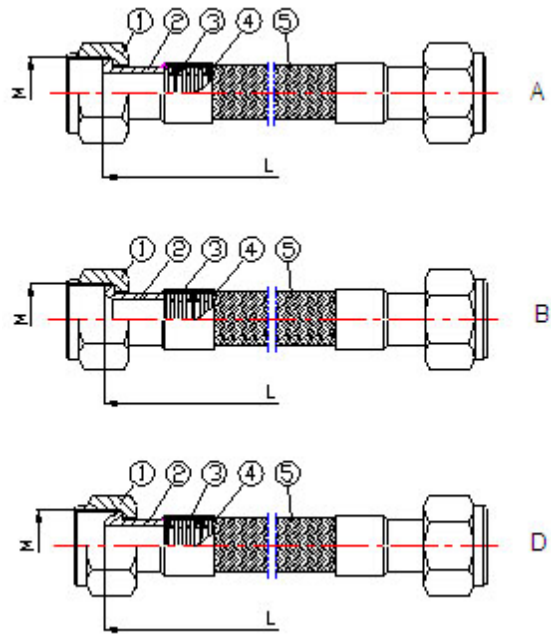
and eliminate the pipeline residual stress;

3. Applied to repeated motion region in high-temperature areas, good anti-fatigue performance;

4. Good flexibility, resistant to high temperature, resistant to corrosion.

◆ **Applications:** For the chemical industry, metallurgy, electricity, shipbuilding, construction and other industries.

◆ **Application temperature:** -50 °C ~ 300 °C.



Link form	No.	Parts	Materials
A/B/D	1	Nut	SUS304/316/SS400
	2	Joints	SUS304/316/SS400
	3	Stiffening ring	SUS304
	4	Bellows	SUS304/321/316L
	5	Mesh jacket	SUS304

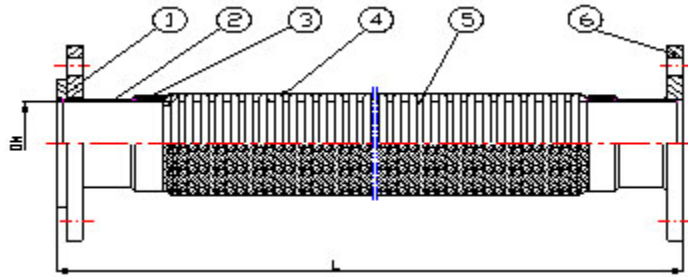
◆ **YBR— 1003Series Parameters:** ((D: single-layer S: Double-layer H: spiral A: Single Ring))

Product Model	Bellows		Finish Product Length	Bellows Form			Link Dimension		Working Pressure max Kg/cm ²
	Inner Diameter			Diameter of Bellows mm	Bellows Type H/A	Mesh Layer S/D	mm	inch	
	mm	inch							
YBR-1003A/B/D (I)	8	5/16"	According to customer's requirements	11	H	D	16×1.5	1/4"	150
	10	3/8"		15	H	D	18×1.5	3/8"	120
	15	1/2"		21.5	A	D	27×1.5	1/2"	55
	20	3/4"		27	A	D	30×1.5	3/4"	40
	25	1"		33	A	D	36×1.5	1"	40
	32	1¼"		42	A	D	45×1.5	1¼"	35
	40	1½"		52	A	D	60×2	1½"	30
	50	2"		62	A	D	68×2	2"	28
	65	2½"		82	A	D	80×2	2½"	25
	80	3"		97	A	D	100×2	3"	20
YBR-1003 A/B/D (II)	8	5/16"	According to customer's requirements	11	H	S	16×1.5	1/4"	250
	10	3/8"		15	H	S	18×1.5	3/8"	200
	15	1/2"		21.5	A	S	27×1.5	1/2"	100
	20	3/4"		27	A	S	30×1.5	3/4"	70
	25	1"		33	A	S	36×1.5	1"	65
	32	1¼"		42	A	S	45×1.5	1¼"	60
	40	1½"		52	A	S	60×2	1½"	55
	50	2"		62	A	S	68×2	2"	50

65	2½"	82	A	S	80×2	2½"	40
80	3"	97	A	S	100×2	3"	35

Special joint form can be produced in accordance with the needs of customers.

» **YBR-1004 (I 、 II) Series Metal Hose**



No.	Parts	Materials
1	Loose flange	SUS304/316/SS400
2	Connection tube	SUS304/316/SS400
3	Stiffening ring	SUS304
4	Mesh jacket	SUS304
5	Bellows	SUS304/316L/321
6	Fixed flange	SUS304/316/SS400

◇ **YBR—1004Series Parameters:** (D: single-layer S: Double-layer H: spiral A: Single Ring)

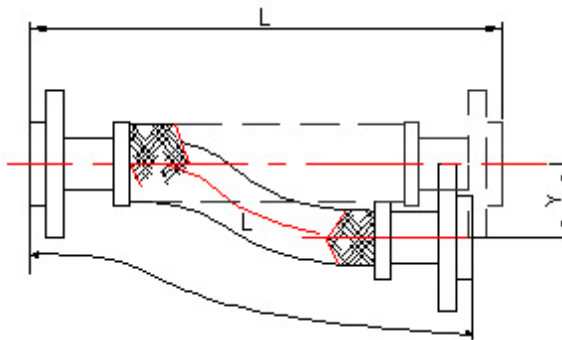
Product Model	Bellows		Finish Product Length	Bellows Form			Working Pressure max Kg/cm ²
	Inner Diameter			Diameter of Bellows mm	Bellows Type H/A	Mesh Layer S/D	
	mm	inch					
YBR-1004 (I)	6	1/4"	According to customer's requirements	9	H	D	200
	8	5/16"		11	H	D	150
	10	3/8"		15	H	D	120
	15	1/2"		21.5	A	D	55
	20	3/4"		27	A	D	40
	25	1"		33	A	D	40
	32	1¼"		42	A	D	35
	40	1½"		52	A	D	30
	50	2"		62	A	D	28
	65	2½"		82	A	D	25
	80	3"		97	A	D	20
	100	4"		120	A	D	20
	125	5"		150	A	D	18
	150	6"		179	A	D	16
	200	8"		235	A	D	16
	250	10"		291	A	D	16
	300	12"		354	A	D	16
	350	14"		406	A	D	14
	400	16"		456	A	D	14
	450	18"		508	A	D	14
500	20"	560	A	D	14		
	6	1/4"	9	H	S	300	
	8	5/16"	11	H	S	250	
	10	3/8"	15	H	S	200	
	15	1/2"	21.5	A	S	80	
	20	3/4"	27	A	S	75	
	25	1"	33	A	S	70	
	32	1¼"	42	A	S	65	
	40	1½"	52	A	S	55	

YBR-1004 (II)	50	2"	62	A	S	50
	65	2½"	82	A	S	40
	80	3"	97	A	S	38
	100	4"	120	A	S	35
	125	5"	150	A	S	30
	150	6"	179	A	S	30
	200	8"	235	A	S	28
	250	10"	291	A	S	28
	300	12"	354	A	S	25
	350	14"	406	A	S	25
	400	16"	456	A	S	25
	450	18"	508	A	S	25
	500	20"	560	A	S	25

Note: Flange standards are based on JIS, ANSI, DIN, BS, JB, and other standards;

In addition to these connections forms, there are welded joints and fast receiver (1 / 2 "to 6") link forms.

» YBR-1004(I、II) Series Metal Hose



◆ Features:

1. To absorb effectively the vibration, noise, thermal expansion from pipeline system;
2. To resolve minor deviation because of piping connection and eliminate the pipeline residual stress;
3. Applied to repeated motion region in high-temperature areas, good anti-fatigue performance;
4. Good flexibility, resistant to high temperature, resistant to corrosion.

◆ **Application of technical parameters** : Import and export of flexible pipe of petrochemical tank; connected flexible pipe in high-rise building.

◆ **Application temperature:** -50 °C ~ 300 °C.

◆ YBR-1004(I、II) Series Metal Hose Technical parameters

Inside Nominal Diameter DN (mm)	Nominal Pressure PN-Mpa	Max horizontal displacement Y (mm)							
		50	100	150	200	250	300	350	400
		Full length of metal hose L (mm)							
65	1.0	700	900	1100	1200	1300	1400	1500	1600
80		800	1000	1200	1300	1400	1500	1600	1700
100		900	1200	1300	1500	1600	1700	1800	1900
125		1000	1200	1400	1600	1800	1900	2100	2200
150		1000	1300	1500	1600	1800	1900	2100	2200
200		1200	1500	1700	1800	2000	2200	2400	2500
250		1300	1700	1900	2100	2300	2500	2700	2900
300		1500	1900	2200	2400	3200	3000	2800	2600
350		1600	2000	2300	2600	2800	3000	3200	3400
400		1700	2100	2500	2800	3100	3300	3600	3800
450		1700	2100	2500	2800	3100	3300	3600	3800
500		1800	2200	2600	2900	3200	3400	3700	4000