

1. Applications and Features

Purpose	Absorption of expansion and contraction of piping, Vibration absorption of equipment, dustproof cover
Location	<ul style="list-style-type: none"> • Low pressure piping such as exhaust gas and hot air piping • Vibration equipment such as blowers and vibrating screens • Shafts, cylinders, etc. that require dustproofing
Features	<p>Able to absorb large expansion, contraction, and displacement with short product length than metal products. Reaction force is also lower than that of metal products.</p> <p>Applicable to various shapes such as round and square.</p> <p>Combined with heat insulating or fireproofing materials, heat resistance is equivalent to that of metal.</p>

2. Structure and Parts

Figures 1-2 show the structure, and Tables 1-4 show the names of parts and materials.

【Flange type】

• ZMC-M

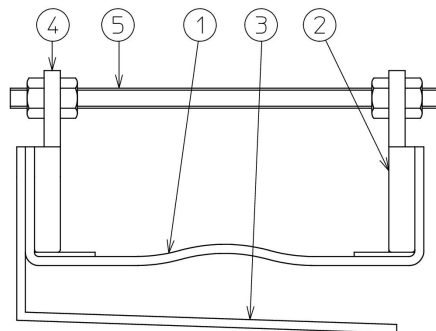


Table1. Parts List

No.	Name	Material
1	Body	Non-metal
2	Flange	Carbon steel
3	Inner sleeve	Carbon steel
4	Holder	Carbon steel
5	Set bolt	Carbon steel

• ZMC-I

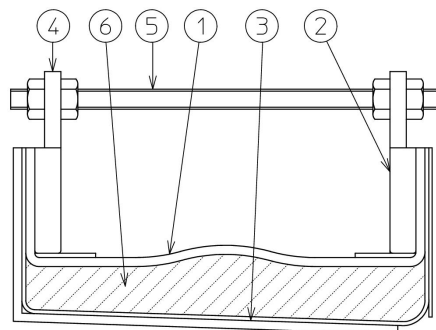


Table2. Parts List

No.	Name	Material
1	body	Non-metal
2	Flange	Carbon steel
3	Inner sleeve	Carbon steel
4	Holder	Carbon steel
5	Set bolt	Carbon steel
6	heat insulating material	Ceramic fiber

• ZMC-R

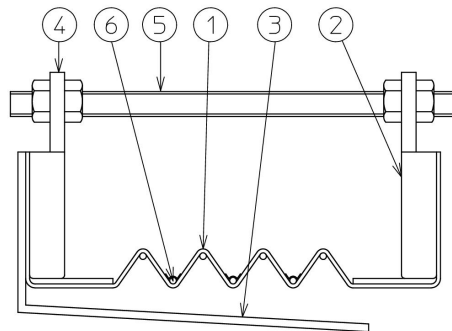


Table3. Parts List

No.	Name	Material
1	body	Non-metal
2	Flange	Carbon steel
3	Inner sleeve	Carbon steel
4	Holder	Carbon steel
5	Set bolt	Carbon steel
6	Ring	Stainless steel

【Band type】

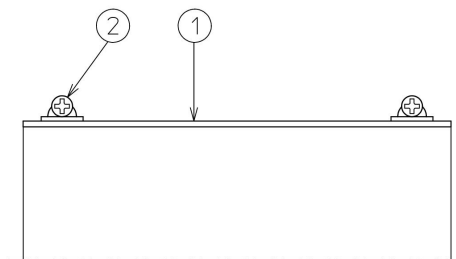


Table4. Parts List

No.	Name	Material
1	body	Non-metal
2	Band	Stainless steel

3. Body materials

Rubber (NBR, EPDM, Viton, Silicon), Fluoropolymer, Glass cloth,
Ceramic cloth Single and composite

4. Product size, Pressure and temperature

Product size : $\sim \phi 3800$ 、 $\square 3800$

Pressure : $\pm 1000\text{mmAq}$ ($\pm 0.01\text{MPa}$)

Temperature : $\sim 800^{\circ}\text{C}$

5. Inspection

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

Frequency : Visual and dimensional inspections are performed on all product.

Leakage inspections are performed only upon request

6. Notes

- Do not perform any fire work such as welding or gas cutting in the vicinity of the product. If fire work is unavoidable, be careful not to expose the product to fire.
- Do not cover the surface of the product with heat insulating material or sheet metal. Doing so will raise the temperature of the product itself and cause damage.
- Please refer to the "Installation Instructions" for installation procedures.