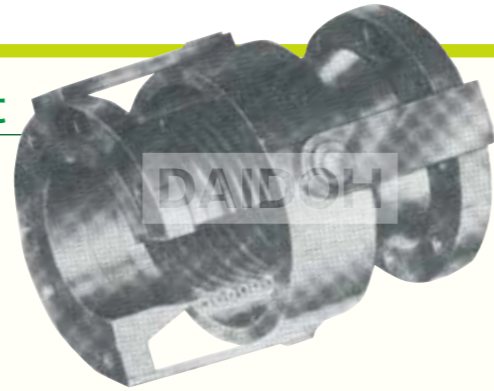


DZ-J

Gimbal type expansion joint

The gimbal type has a structure in which two hinge arms are combined by rotating them 90 degrees.

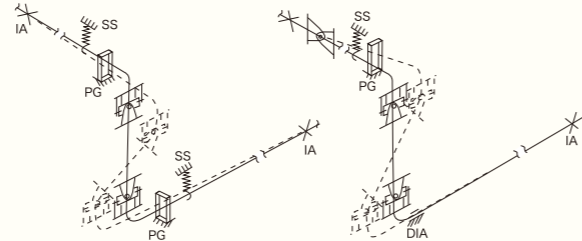


Application For middle & high pressure

Main Fluid Steam, oil, chemicals, gas, air, etc.

Characteristics of gimbal type expansion joint

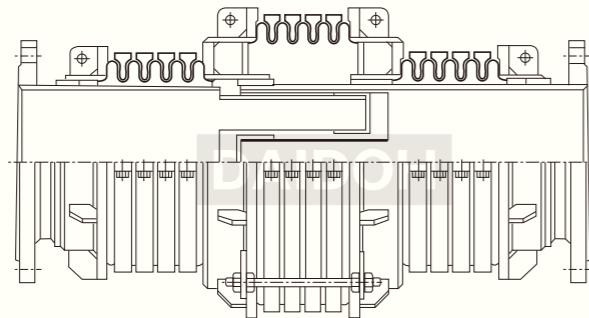
1. The use of the gimbal type for a complicated pipe line like the one in the diagram and combined use with the hinge type are effective.
2. This product can absorb deflection in different directions (for the double type).
3. Load is not applied to a fixed point because the gimbal pin restricts the plane thrust generated by the internal pressure.



DZ-S

Straight pipe pressure balance type expansion joint

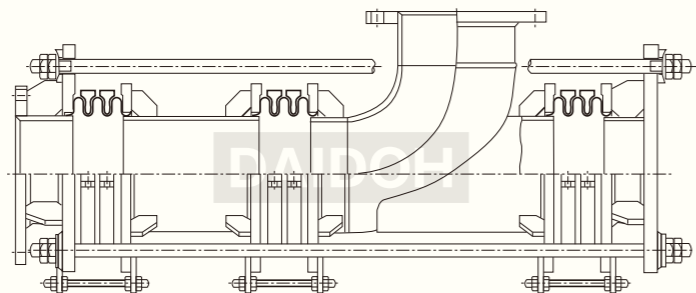
The plane thrusts of both side two bellows are offset each other because they are transferred to the center bellows by outer & inner sleeves or tie rod. Thus only the spring reactive force of the bellows is applied to a fixed point. This product is used in areas where the installation of a fixed point is difficult.



DZ-K

Curved pipe pressure balance type expansion joint

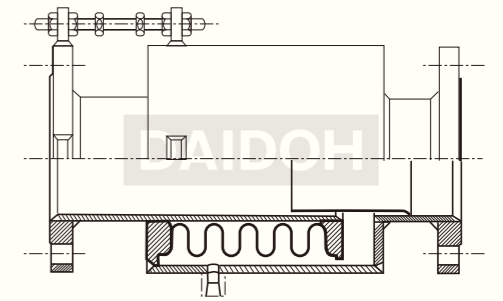
This is a curved expansion joint installed at the corner of a pipe layout. The plane thrust is fixed with a tie rod bolt. Thus, only the spring reactive force of the bellows is applied to the fixed point of a pipe layout. This product is used in areas where the installation of a fixed point is difficult.



DZ-G

External pressure type expansion joint

This product is structured so that fluid pressure is applied to the outside of the bellows. Fluid does not accumulate on the bellows, and a drain can be attached to the external cylinder.



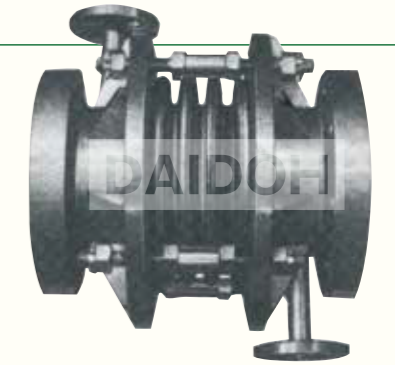
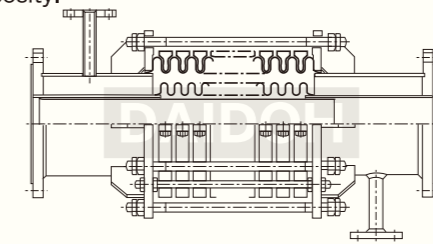
Application For low pressure

Main Fluid Steam, oil, chemicals, gas, air, water, etc.

DZ-W

Jacket type expansion joint

A structure with a jacket pipe is used because the fluid flow needs to be improved when using highly viscous fluid by somehow increasing the temperature and lowering the viscosity.



DS-T

Internal Teflon® type expansion joint

This product has Teflon® on the inside of the expansion metal pipe joint to increase the anti-corrosion property against corrosive fluids. Two types of interior structure are available: one with Teflon® lining on the expansion metal pipe joint, and the other with Teflon® coating. These two types of treatment method can be selected for different purposes.



DL

Square bellows type expansion joint

Square bellows type expansion joint is often used for those pipe lines such as exhaust gas of boiler, turbine engine, or blower installation. We have two kinds of joints; one is Angular Flange type and the other is Welding type (bevel end). For joints with especially large diameter, worksite assembly type is also available by supplying the parts separately.

bellows type

