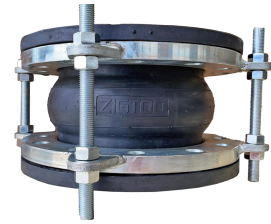


B2013-...Rubber Expansion Joint Series



**Rubber Expansion Joint
B2013-...Series
Flanged Connection
PN16, PN25**

Performance & Features:

Rubber expansion joint, also known as vibration absorber, pipeline vibration absorber, expansion rubber joint and soft joint, is composed of fabric-reinforced rubber and metal flanges. It is a type of pipeline joint with high elasticity, excellent air tightness, medium resistance and weather resistance. Its performance and features are as follows:

- ◆ Compact size, light weight and excellent elasticity, easy for installation and maintenance.
- ◆ Good adaption to lateral, axial and angular displacement during installation, not subject to restriction by pipe misalignment or non-parallel flanges.
- ◆ Reduced structure-borne noise and outstanding vibration absorption capacity during operation.
- ◆ Built-in seamless high-pressure rubber inner liner, which, in pipelines resistant to high temperature, acid, alkali and oil, effectively prevents corrosive media from eroding the inner wall of the rubber joint, and extends service life.
- ◆ The B2013W series flanged rubber joint is also known as end-enclosed rubber joint or large flanged flexible rubber joint.
- ◆ The B2013RW series is also equipped with anti-pull-off metal rods, which can not only enhance the sealing with metal pipelines, but also increase the pressure of the product during use to prevent pull-off caused by high pressure.

Applications:

Thanks to its excellent comprehensive performance, this flexible rubber joint is widely applied in infrastructure projects such as chemical industry, construction, water supply, drainage, petroleum, light and heavy industry, refrigeration, sanitary facilities, HVAC, fire protection, and electric power.

Model Designation:

For example: B2013-100-16RW

1. "B20 " Flexible Metal Connection;
2. "1" Rubber Pipe;
3. "3" Flanged Connection;
4. "-" separator;
5. "-100": Nominal Diameter D N100;
6. "-25/16/10" Nominal Pressure, PN25/PN16/PN10;
7. "E"-EPDM-Material, (omitted by default);
8. "R"- Tie Rod Type; "W"- Wide Brim;

Technical Specification:

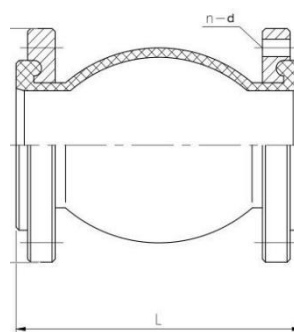
PN (Nominal Pressure)	PN10, PN16, PN25
Connection standard	Flanged connection GB/T9119
Working Temperature	-15°C~130°C

Material:

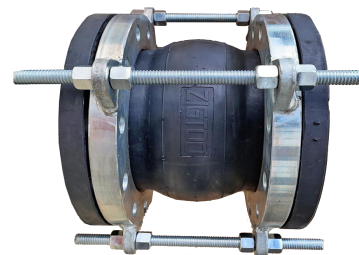
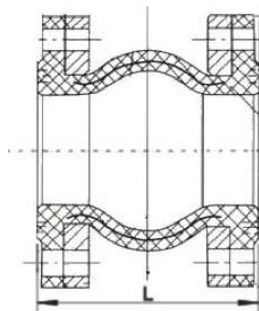
Inner /outer rubber layer	EPDM
Main skeleton	Nylon cord fabric
Pressure reinforcement ring	Multi-strand steel cable
Flange	Q235/Stainless steel, etc.

Rubber body	Multi-layer spherical structure, with nylon core framework and natural synthetic rubber tubes compression-molded and bend-formed by hydraulic rubber pressing machines, with copper-plated steel wire ropes used for reinforcement.
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Dimension Chart:



Model	DN	L mm	Axial elongation mm	Axial compression mm	Lateral displacement mm	Deflection angle $\alpha_1+\alpha_2$
B2013-32-16	DN32	95	6	9	9	15°
B2013-40-16	DN40	95	6	10	9	15°
B2013-50-16	DN50	105	7	10	10	15°
B2013-65-16	DN65	115	7	13	11	15°
B20135-80-16	DN80	135	8	15	12	15°
B2013-100-16	DN100	150	10	19	13	15°
B2013-125-16	DN125	165	12	19	13	15°
B2013-150-16	DN150	180	12	20	14	15°



Model	DN	L mm	Axial elongation mm	Axial compression mm	Lateral displacement mm	Deflection angle $\alpha_1 + \alpha_2$
B2013W/RW-150-16	DN150	180	12	20	14	15°
B2013W/RW-200-16	DN200	210	16	25	22	15°
B2013W/RW-250-16	DN250	230	16	25	22	15°
B2013W/RW-300-16	DN300	245	16	25	22	15°
B2013W/RW-350-16	DN350	255	16	25	22	15°
B2013W/RW-400-16	DN400	255	16	25	22	15°
B2013W/RW-450-16	DN450	255	16	25	22	15°
B2013W/RW-500-16	DN500	255	16	25	22	15°
B2013W/RW-600-16	DN600	260	16	25	22	15°

- This product features high pressure resistance, excellent elasticity and large deflection displacement, offering advantages including pipeline deviation compensation, vibration absorption and noise reduction, and easy installation
- This is a new type of rubber joint developed on the basis of the grooved rubber joint with contact area between the rubber sealing surface and the flange increased, enhancing the sealing performance of the connection with metal pipelines. The rubber flange of the flanged rubber joint has the same outer diameter as the slip-on flange, and there are also drilled holes on the sealing surface, which ensures complete coupling of the rubber joint with the pipeline to prevent the rubber joint from being pulled off due to high pressure.
- This product adopts a processing technology different from the traditional hard mold processing method, and its inner wall is smooth and seamless, which effectively improves the product quality.

Displacement Diagram:

