



## E12 Rubber Expansion Joint Steel Flanged

### Product Description

DENZ-E12 Rubber Expansion Joint is a flexible connector that can absorb sounds, shocks, vibrations, physical energy, and thermal energy. Natural or synthetic elastomers are used to make the joints. To increase their strength and resistance to pressure, the rubbers are internally reinforced with fabrics and metal. The use of metal reinforcement can be used externally to control the movement of the system.

### Application Areas

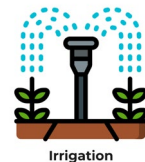
- Hot and Cold Water Systems
- HVAC Applications
- Pumping Stations
- Waste Water Medium

### Versions

- Galvanized Steel Flanged
- Ductile Iron Flanged
- Threaded End

### Production References

Size Range	DN15 – DN50
Pressure Range	PN10/16
Temperature	EPDM: +80°C NBR: 60°C
Face to Face	DIN30680
Design	DIN30680
Connection	Flanged - EN1092-2
Testing	EN 12266-1
Marking	EN 19



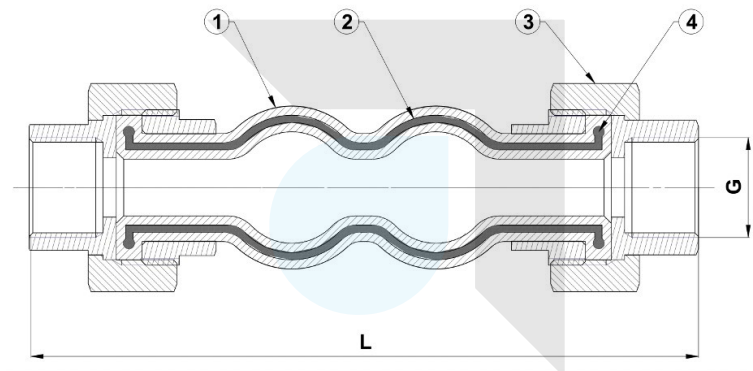


## Product Features



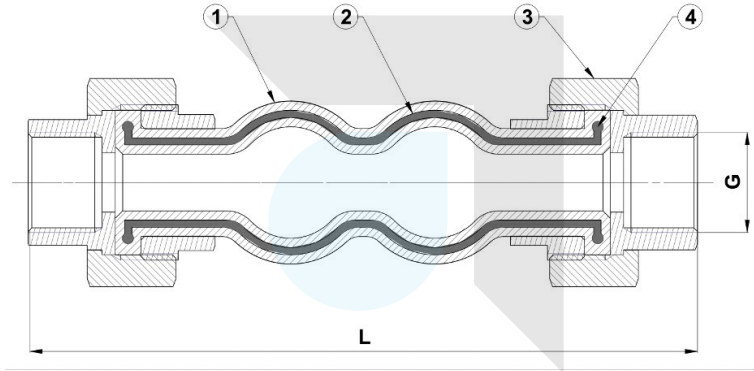
- Flexible Rubber Joints E12 are manufactured with EPDM rubber bodies and galvanized steel flanges. (NBR rubber is optional)
- Steel wire and nylon braid fibres make up the synthetic rubber
- It is one of the main functions of rubber expansion joints to absorb vibrations.
- Pipeline tensions are reduced.
- Maintains pipeline balance by absorbing lateral and angular movements.
- Noises caused by vibration are prevented.
- Temperature-related elongations and contractions are absorbed.
- A reliable way to absorb the effects of water hammer.
- Counter-flange connections do not require additional gaskets.
- It is easy to align flange holes while installing on a line since flanges are rotary type.
- Over the entire service period, no maintenance is required.
- As a result of the lightweight construction, there is no extra force on the pipeline
- Installs easily on pipelines.
- Assists with isolation.
- A vacuum force of 0.07 bar can be withstand

## Materials



#	Part	Material
1	Body	EPDM / NBR
2	Kord Fabric	Nylon 6.6
3	Rotary Joint	Forgeable Cast Iron
4	Piston Ring	Carbon Steel





## Dimensions

<b>DN</b>	15	20	25	32	40	50	65	80
<b>G</b>	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
<b>L</b>	180	180	180	200	210	220	245	285
<b>Axial Expansion</b>	+ 6mm							
<b>Axial Compression</b>	- 16 mm							
<b>Lateral Movement</b>	15 mm							
<b>Angular Movement</b>	10°							
<b>KG</b>	0,5	0,75	1	1,4	2	2,6	4	5,6

Units: mm / indicative dimensions & weights

