DURA
VIBRATION ELIMINATOR
32mm – 300mm

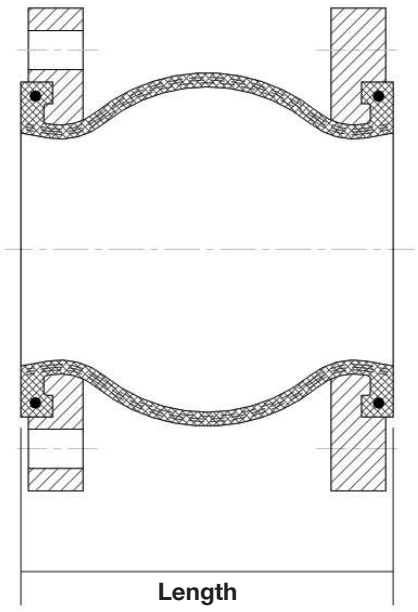
SPECIFICATIONS

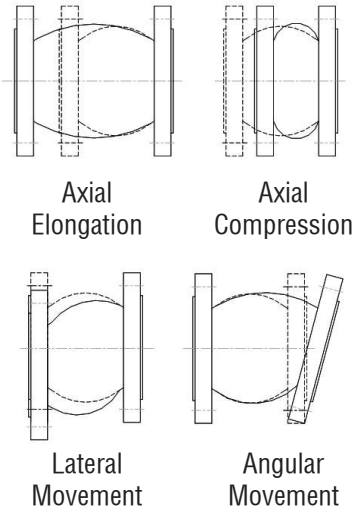
Recommended use	This straight isolating flexible joint is a single sphere moulded from multiple layers of synthetic rubber and nylon-reinforcing fabric with raised faces and provided with floating steel flanges. The extra length of this model allows greater compression, elongation and angular movements and it can be applied to both suction and delivery ends.
Temperature Range	-10oC - 120oC
Woring Pressure	1600 kPa
Explosive Pressure	4800 kPa
Medium	Air, Water, Oil, Acid Alkali etc
Standards	Table E Flange - AS2129 DIN16 Flange - DIN2533 PN16 - ISO7005 PN16
Flange Type	EN1092-2 PN10/PN16, other flange types are available
Vacuum Rating	750mm Hg
Warranty	12 Months

PHYSICAL SPECIFICATIONS

Body	EPDM
Flanges	Zinc Plated Carbon Steel
Carcass	Nylon Cord Fabric
Reinforcing Fabric	Nylon Cord Fabric
Reinforcing Wire	Spring Steel Wire

PRODUCT CONFIGURATION





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SPECIFICATIONS - TABLE E / TABLE E

Product Code	Product Description	Length +/- 5mm	Axial Compression	Axial Elongation	Lateral Movement	Angular Movement
		mm	mm	mm	mm	deg
1006497	DURA VIBRATION ELIMINATOR TE/TE 32MM	95	9	6	9	15
1006498	DURA VIBRATION ELIMINATOR TE/TE 40MM	95	10	6	9	15
1006499	DURA VIBRATION ELIMINATOR TE/TE 50MM	105	10	7	10	15
1006500	DURA VIBRATION ELIMINATOR TE/TE 65MM	115	13	7	11	15
1006505	DURA VIBRATION ELIMINATOR TE/TE 80MM	130	15	8	12	15
1006510	DURA VIBRATION ELIMINATOR TE/TE 100MM	135	19	10	13	15
1006515	DURA VIBRATION ELIMINATOR TE/TE 125MM	165	19	12	13	15
1006520	DURA VIBRATION ELIMINATOR TE/TE 150MM	180	20	12	14	15
1006525	DURA VIBRATION ELIMINATOR TE/TE 200MM	205	25	16	22	15
1006526	DURA VIBRATION ELIMINATOR TE/TE 250MM	240	25	16	22	15
1006527	DURA VIBRATION ELIMINATOR TE/TE 300MM	260	25	16	22	15

SPECIFICATIONS - TABLE E / DIN 16

Product Code	Product Description	Length +/- 5mm	Axial Compression	Axial Elongation	Lateral Movement	Angular Movement
		mm	mm	mm	mm	deg
1006528	DURA VIBRATION ELIMINATOR TE/DIN 32MM	95	9	6	9	15
1006529	DURA VIBRATION ELIMINATOR TE/DIN 40MM	95	10	6	9	15
1006530	DURA VIBRATION ELIMINATOR TE/DIN 50MM	105	10	7	10	15
1006531	DURA VIBRATION ELIMINATOR TE/DIN 65MM	115	13	7	11	15
1006532	DURA VIBRATION ELIMINATOR TE/DIN 80MM	130	15	8	12	15
1006535	DURA VIBRATION ELIMINATOR TE/DIN 150MM	180	20	12	14	15
1006536	DURA VIBRATION ELIMINATOR TE/DIN 200MM	205	25	16	22	15

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INSTALLATION NOTES

To ensure a long service life, elastomer expansion joints require careful installation procedures.

Anchors and Guides
Dura Vibration Eliminators should be rigidly anchored on both sides of the expansion joint to control expansion or contraction. The pipe anchors must be capable of withstanding the significant movements imposed on the system by internal pressure and temperature fluctuations.

Gaskets
When mated to flat faced flanges, Dura Vibration eliminators do not require a gasket. If the mating flange has raised face, a gasket may be required to ensure adequate sealing and to prevent the flange from damaging the normal rubber seal. Ensure all mating surfaces are clean and smooth before installation.

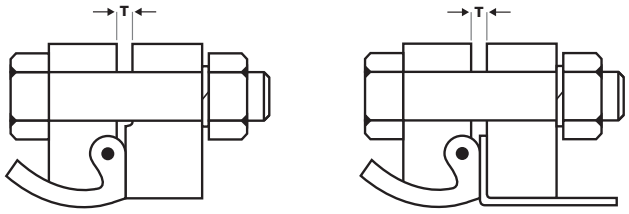
Vacuum applications
Rubber expansion joints should not be installed extended on vacuum applications.

Maintenance
It is recommended that bolt tightness is checked one week after installation. For systems with significant temperature changes, the bolt tightness should be regularly checked. At the same time, the outer cover of the joint should be examined for signs of damage or failure.

INSTALLATION

Guide to correct installation

- Always use spring washers to avoid nuts working loose when vibrating.
- Install the nut and spring washer on the side opposite to the EPDM body (on the piping system side).
- Always install Dura Vibration Eliminator at the proper length as shown on the previous page.
- Determine T dimension (shown below) in finger tightened state and tighten bolts until dimension is half of T (ie. T/2). Do not overtighten as this will damage the face seal.



FLANGE BOLTING SEQUENCE

Ensure that bolts are lubricated before assembly and tightened in a cross pattern (both 1, 2, 3, then 4 as shown at right) sequence to achieve an even seal pressure across flange gasket.