



PRODUCTS

Bridge Expansion Joints
Elastomeric Bridge Bearings
Dam Gate Seals
PVC Water Stoppers
Rubber Beedings
Industrial/Customised Rubber Products

Installation & Rehabilitation

Bridge Expansion Joints
Bridge Bearings

SARADHI ENGINEERING

#21/1, Gandhi Nagar CIE, Balanagar, Hyderabad, INDIA

Cell: +91-9703550008, 9848815193

Email: saradhiengineering@gmail.com

Web: www.saradhiengineering.in

ABOUT US

SARADHI ENGINEERING, Hyderabad established in the year 1999 as a Mechanical Engineering Firm handling various Mechanical Engineering and Fabrication Works.

SARADHI ENGINEERING has been established by a Senior Mechanical Engineer having vast experience of almost 30 years in Mechanical Engineering related to Fabrication, Heavy Engineering

SARADHI ENGINEERING is being managed by Experienced Professional in Mechanical Engineering related to Heavy Engineering, Fabrication Works accompanied by an Engineer with Post Graduation in Management having vast Experience of 10 Years in field of Civil Engineering, Rubber Related Infra Products, Quality Control, Planning and Design with Special Expertise in Production Planning Management and Project Management.

SARADHI ENGINEERING Team has vast experience in their fields and they work with a commitment to ensure Quality work with a Committed Delivery.

SARADHI ENGINEERING since 2004 has been in to Manufacturing of Bridge Expansion Joints used for High Level Bridges, Flyovers and ROBs (Road Over Bridges for Railways). The Bridge Expansion Joints being manufactured by the firm are Strip Seal Expansion Joints, Compression Seal Expansion Joints and Slab Seal Expansion Joints.

SARADHI ENGINEERING is currently also into Installation and Rehabilitation of Bridge Expansion Joints.

SARADHI ENGINEERING works for the Quality as required by the Client and also ensures Committed Delivery at Competitive Prices.

BRIDGE EXPANSION JOINTS

General concept of expansion joint is to provide the continuity between two parts of a structure which are in relative movement because of vibration, seismic load, thermal expansion or contraction, shrinkage etc. Expansion joints are used primarily to relieve stress due to confinement of a slab.

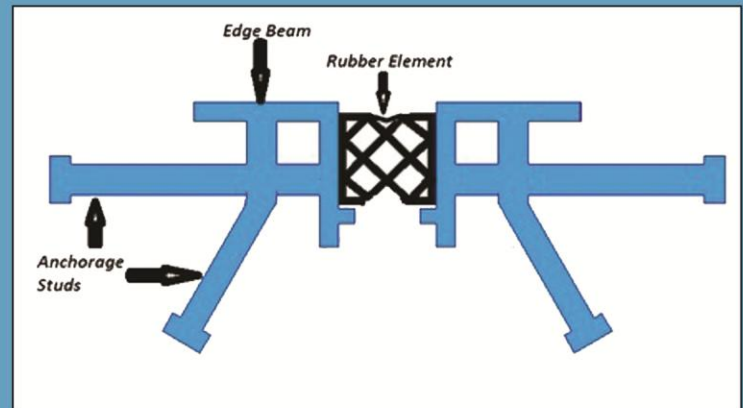
An expansion joint is an assembly designed to safely absorb the heat induced expansion and contraction of various construction materials, to absorb vibration, or to allow movement due to ground settlement or earthquakes. Expansion joints are designed to support heavy and rigorous traffic load with minimum noise and bumps so that the driving experience can be with maximum pleasure.

SARADHI ENGINEERING is a quality manufacturer of various expansion joint systems. Some of Main Products in this category are

1. Strip Seal Joint 2. Slab Seal Joint 3. Compression Seal Joint 4. Omega Seal



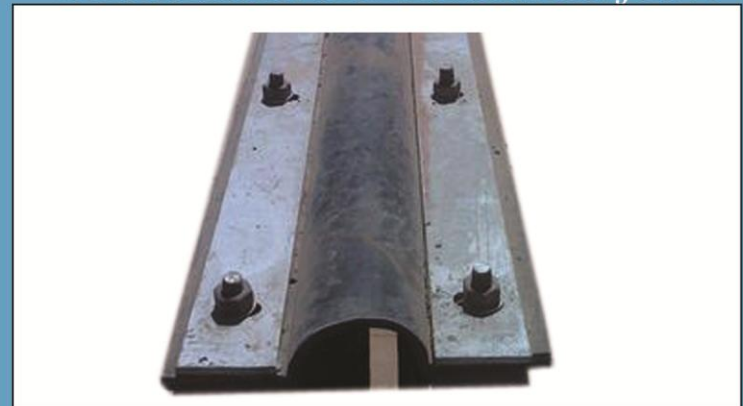
STRIP SEAL EXPANSION JOINT



COMPRESSION SEAL EXPANSION JOINT



SLAB SEAL EXPANSION JOINT



OMEGA SEAL EXPANSION JOINT

ELASTOMERIC BRIDGE BEARINGS

Elastomeric Bridge Bearings are designed to transform the movement and rotation of bridge structure into elasticity and minimizes the secondary stress generated in bridge because of the layered rubber sheets reinforced by metal plates. These bearings are designed to accommodate vertical, longitudinal, horizontal and transverse loads / movements and rotation of the superstructure caused by thermal effect, traffic loads, structural load, wind load, seismic load etc. These bearings effectively release the stress on the bridge and have excellent rotation in all the directions and movements. The inserted metal plates restrict the rubber expansion on the sides and improve the resistance to load on the bridge as the elasticity of rubber absorbs shock well and lengthens the natural period of stress. Another advantage is the robustness and corrosion free nature of these products, ease and convenience of installation, long service life and customized size to suit the bridge design.

Elastomeric Bridge Bearings are designed and manufactured as per IRC:83 (Part II) – 1987 with the latest amendments, to meet the requirements of MoRT&H specifications for Road & Bridge Works to Section No. 2000 to clause number 2005 (Elastomeric Bearings) and to International Union of Railways Code UIC 772 R (Use of Rubber Bearings for Railway Bridges).



DAM SEALS

DAM SEALS ARE Used for Sealing of Dam Gates.










We are in to Manufacturing of different types of Dam Gate Seals based on the sizes of Dam Gates

1. MUSIC NOTE SEAL/J TYPE SEAL
2. STEM SEAL AND DOUBLE BULB SEAL
3. Z TYPE AND L TYPE SEALS
4. FLAT SEALS AND WEDGE SEALS
5. PTFE/TEFLON CADDED SEAL
6. Corner Seals



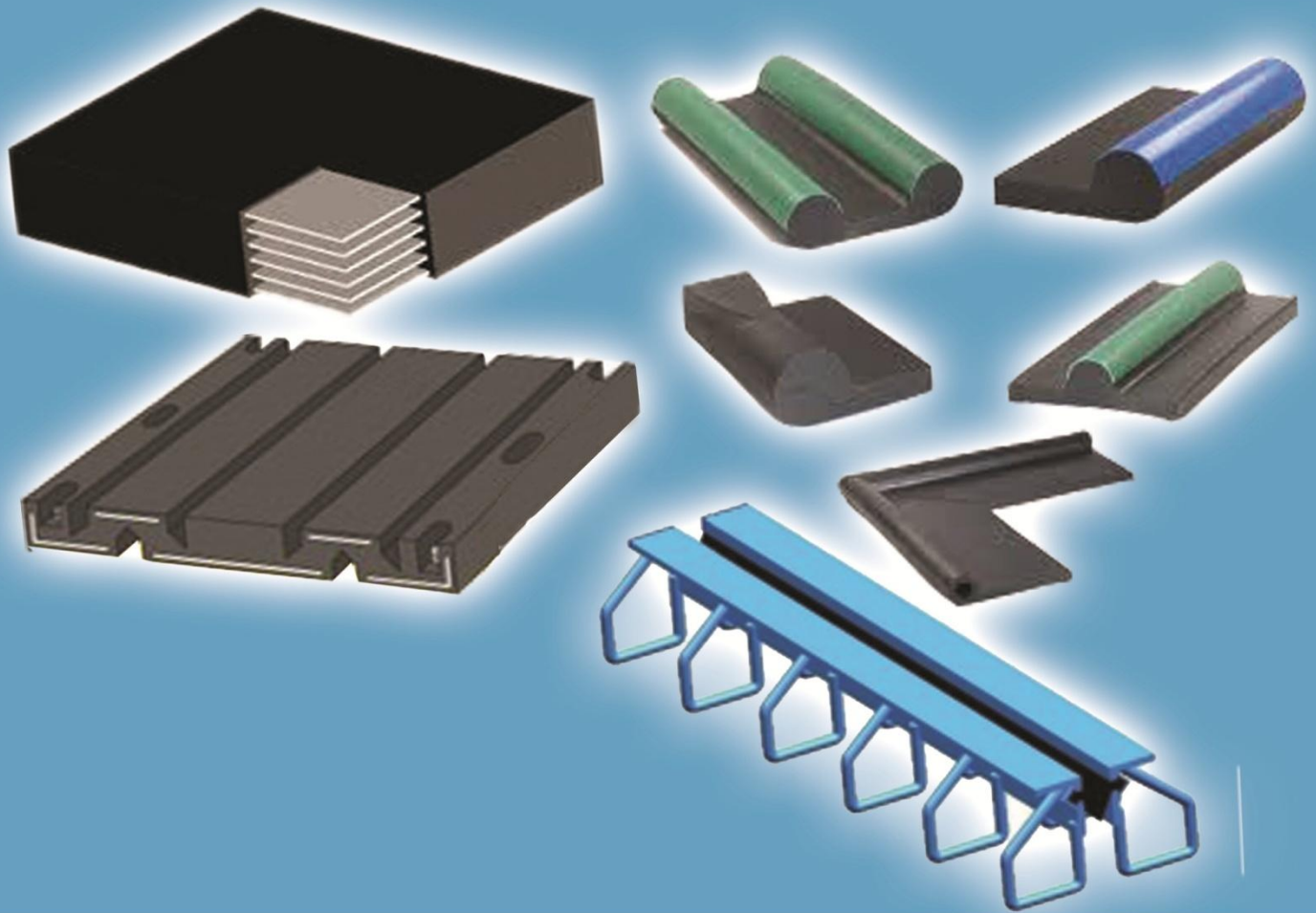
PVC WATER STOPPERS

PVC WATER STOPPERS are made out of Plastic Compound with a basic resin of polyvinyl Chloride and additional resins, plasticizers, inhibitors which satisfies the performance characteristics specified as per applicable IS Standards

SARADHI PVC WATER STOPS DESIGN	Nominal Width (MM)	Thickness (MM)	Recommended Hydrostatic Pressure in Metre of Water
	150	8-11	38-40
	150	4-5	30-33
	225/230	8-11	50-55
	225/230	4-5	32-35
	305	10	58-65
	180	8-11	38-40
	230	5	25
	230	5	25
	240, Rs	5	25

INDUSTRIAL / CUSTOMISED RUBBER PRODUCTS

SARADHI ENGINEERING Manufactures all types of Customised for Moulding and Extruded Rubber Products for all Industrial and Infra Related Works.



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