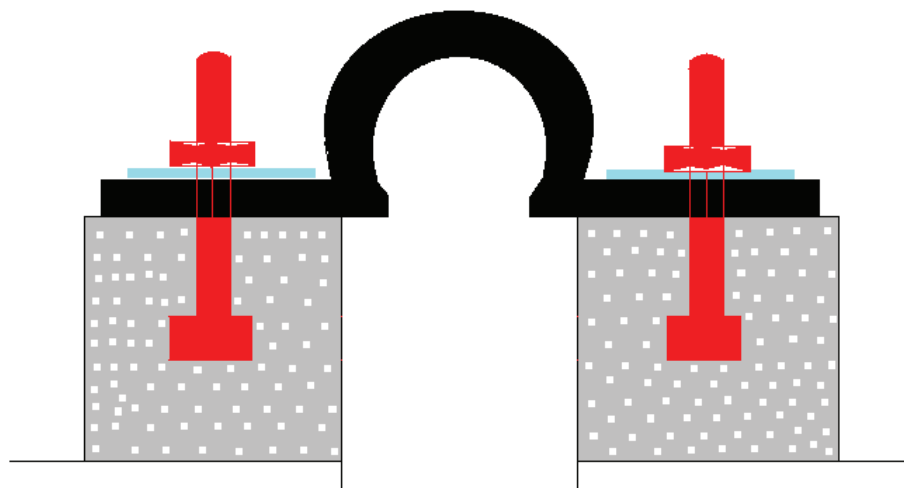




## ELASTOMERIC COVER JOINT SYSTEM (OMEGA SHAPED)

Kanta system of elastomeric (omega shaped) cover joint system will consist the components of steel plate, rigid bolt and chloroprene omega shaped seal.



#### STEEL PLATE:

It is hot dip galvanized steel plate of 80mm wide x 8mm thickness with oblong holes of 40 x 20mm in every one meter.

#### RIGID BOLT:

The rigid bolt will be anchored to the both decks by reinforced concrete, in every one meter, all along. After installation elastomeric seal and steel plate inserting into the bolts anchored in the decks, the nut to be tightened well and tack welded. The dimension of the bolt will be 16mm dia @ 400c/c.

#### CHLOROPRENE SEAL:

- It is made out of chloroprene elastomer to the shape Omega, by compression moulding process. The seal with omega shaped design will be cast as single unit in a mould and vulcanized under uniform heat and pressure. The mould used for manufacturing such seal will be free from defects and will have polished surfaces in order to get the elastomeric seals free from any surface blemishes.
- Chloroprene elastomer is used to manufacture such seals and they are with low crystallization rates and adequate shelf life. Generally Neoprene WRT, Bayprene 110, Skyprene B5 and Denka S 40V are used as raw material of Chloroprene elastomer.

#### THE PHYSICAL PROPERTIES OF THE ELASTOMERIC SEAL WILL BE AS FOLLOWS: -

- Hardness: 63 (+/-) 5 in shore A scale
- Tensile strength: 17Mpa Minimum
- Elongation at break: 400% Minimum
- Compression set: 35% Maximum

#### AFTER ACCELERATED AGEING:

- Change in hardness: + 15 Maximum
- Change in tensile strength: - 15% Maximum
- Change in elongation: - 40% Maximum