

Abstract
HINGE JOINT SYSTEM

The present invention relates to a hinge joint mechanism. The hinge joint mechanism comprises a fixed component including a plurality of curved portions and at least one straight portion; a movable component including a plurality of curved portions and a plurality of straight portions; said hinge joint mechanism provides a relative rotation between the two surfaces of the hinge joints to rotate the movable component by a desired amount relative to the fixed component. The hinge joint mechanism of the invention provides a proper sealing in the joints to avoid liquid or any such kind of material to move across it.

Figure 3.