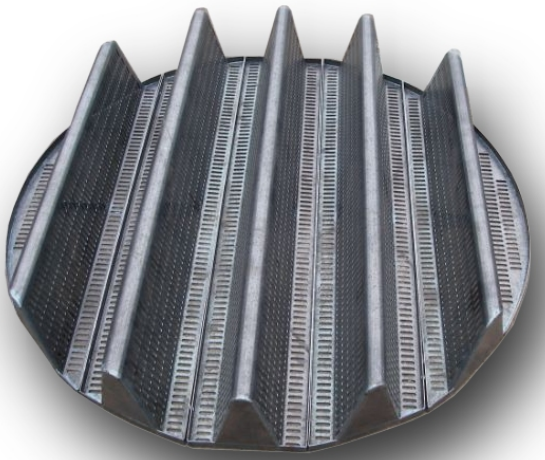
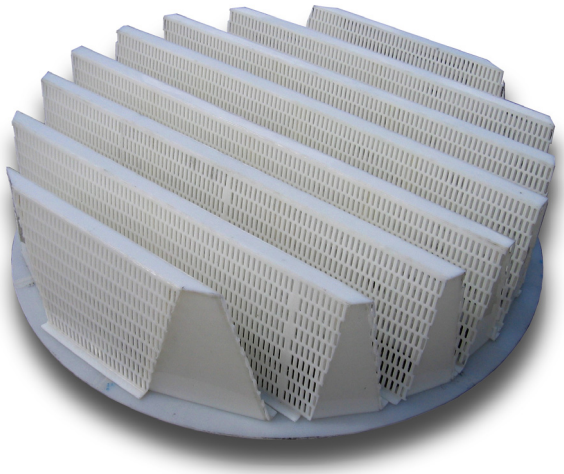
PACKING SUPPORT PLATES





A random packed bed is held on a **Multi Beam Packing Support Plate**, whose essential attributes are to have a high percentage of open area so as to not inhibit the capacity of the tower and to allow the unrestricted counter-current flow of both liquid and vapour through it. This is achieved by providing separate passageways for the gas and the liquid. A series of slotted or perforated beams allow the gas to flow upwards through those openings that are located physically higher than the ones which the liquid flows downwards through, at the base of the plate.

Typically, this type of **Support Plate** will offer an open area equivalent to 100% of the cross-sectional area of the tower.

Also, the plate must have sufficient strength to retain and support the packed bed above it, including any liquid hold-up and trapped solids or fouling.

The **Random Packing Gas Injection Support Plate** is designed to retain tower packings from 16mm to 90mm.

Multi Beam Support Plates can be supplied in sections to allow easy installation through access manways. It is usually installed on an internal ring or support ledge.

Additional support beams should be considered in larger towers to provide the necessary structural support. Advice on the support system will be given.

Support Plates can be fabricated and supplied in a range of thick thermoplastics or metals including stainless steels & special alloys.

We can fabricate **Support Plates** with diameters from as little as 300mm to almost any diameter.

The PALL RING COMPANY