

Hold Down Grid**Product Coding**
P152601...**Introduction**

In high capacity packed (bed filled by random packing) towers, operational upsets and high vapor velocities can generate significant uplift forces, posing a serious risk to the integrity of the packed bed. The resulting fluidization, lifting, and breakage of ceramic and carbon packing leads to catastrophic damage, costly downtime, and a permanent loss of mass transfer efficiency. Our engineered hold down grids are the definitive solution, specifically designed to act as a robust mechanical barrier that secures the packed bed against these destructive forces, ensuring long term operational stability and protecting the capital investment.

durability and long service life in harsh chemical environments.

Precision sized openings: Grid openings are meticulously calculated to be smaller than the packing elements, effectively containing the entire bed without causing flooding or restriction.

Modular and easy installation: Fabricated in manageable segments that allow for straightforward installation and removal through standard vessel manways, reducing downtime during maintenance.

Corrosion resistant: Constructed from high quality alloys, including stainless steel, selected for exceptional

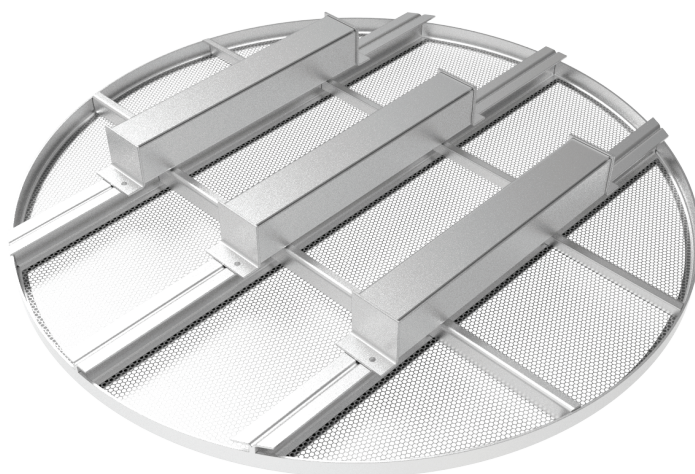
Features**Protection of ceramic and carbon against breakage:**

Through restricted movement within a packed tower, a random packing bed adapts to reduce the destructive effect of intense flow impulses.

Robust mechanical design: Engineered with a high strength, open grid structure to provide superior physical restraint against packing uplift and fluidization.

Applications

- Distillation and fractionation towers
- Gas treating and dehydration units
- Environmental air scrubbers
- Chemical and petrochemical processing
- Pharmaceutical & fine chemical industries
- Water treatment processes



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