

## MACH Tower Packing

### Metal Saddles

#### Overview:

- It combines the high void fraction and the well distributed surface area of the Pall ring with the low aerodynamic drag of the saddle shape.
- Compared to the Pall Ring, it provides more open shape and improved liquid spread.
- Improved efficiency due to lateral liquid diffusion and surface film renewal
- Incorporates adequate mechanical strength



**Material available: 304 SS and 316 SS**

Nominal Size (in)	0.6 (15 mm)	1 (25 mm)	1.6 (40 mm)	2 (50 mm)	2.4 (60 mm)	2.75 (70 mm)
<b>Void fraction (%)</b>	96	97	98	98	98	98
<b>Geometric Surface Area (ft<sup>2</sup>/ft<sup>3</sup>)</b>	88.4	70.10	45.72	30.98	25.9	18.3
<b>Weight-SS304(lb/ft<sup>3</sup>)</b>	22.5	21.2	14.4	9.9	8.7	7.5

#### Benefits:

- Good surface utilization in mass and heat transfer applications
- Shorter packed bed height
- Adequate entanglement resistance
- Low pressure drop

#### Application:

- Used in degassing, vacuum distillation towers of petrochemical industry, chemical fertilizer industry and environmental protection.
- Applied to vacuum distillation, decarbonation and desulfurization systems, ethyl benzene separation, and iso-octane, toluene systems.