

Metal Pall Rings | Tower Packing

Effective, versatile, and most basic, widely used type of packing



Over the last 40 years, Pall Rings have been known to be the oldest and most common type of packing. Pall Rings are essentially an advanced form of Raschig rings, with two rows of punched-out holes with fingers or webs turned into the center of a cylinder. Its cylindrical shape lowers its friction, thus improving packing area distribution, wetting, and liquid distribution. The internal cross structure of the Pall Ring makes it robust and suitable for use in deep-packed beds. This improved form of the Raschig Ring has a flexible design with low resistance and high separation capabilities.

Nominal Size (in)	1 (25mm)	1½ (38mm)	2 (50mm)	3 (76mm)
Void Fraction (%)	96.2	96.7	97.5	97.4
Geometric Surface Area (ft ² /ft ³)	64.6	44.2	32.3	21
Weight-SS304 (lb/ft ³)	18	15.4	11.6	16.5
Packing Factor (1/ft)	70	46.2	39.2	24.3
Pcs/ft ³	1514	430	184	54

Standard Features:

- Higher loading capacity and throughput with minimal pressure drop
- Easily wettable compared to plastic counterpart
- Higher mass transfer efficiency
- Excellent overall versatility with good resistance to fouling
- Excellent mechanical strength for longer life
- Suitable for high-temperature applications
- Mechanically robust

Materials Available:

- 304 SS, 316 SS, 304L SS, 316L SS, Carbon Steel, Aluminum

Applications:

- H₂S, NH₃, and SO₂ absorption and stripping
- Steam stripping
- Cooling towers
- Heat transfer
- Decarbonization, degassing, and heat recovery

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