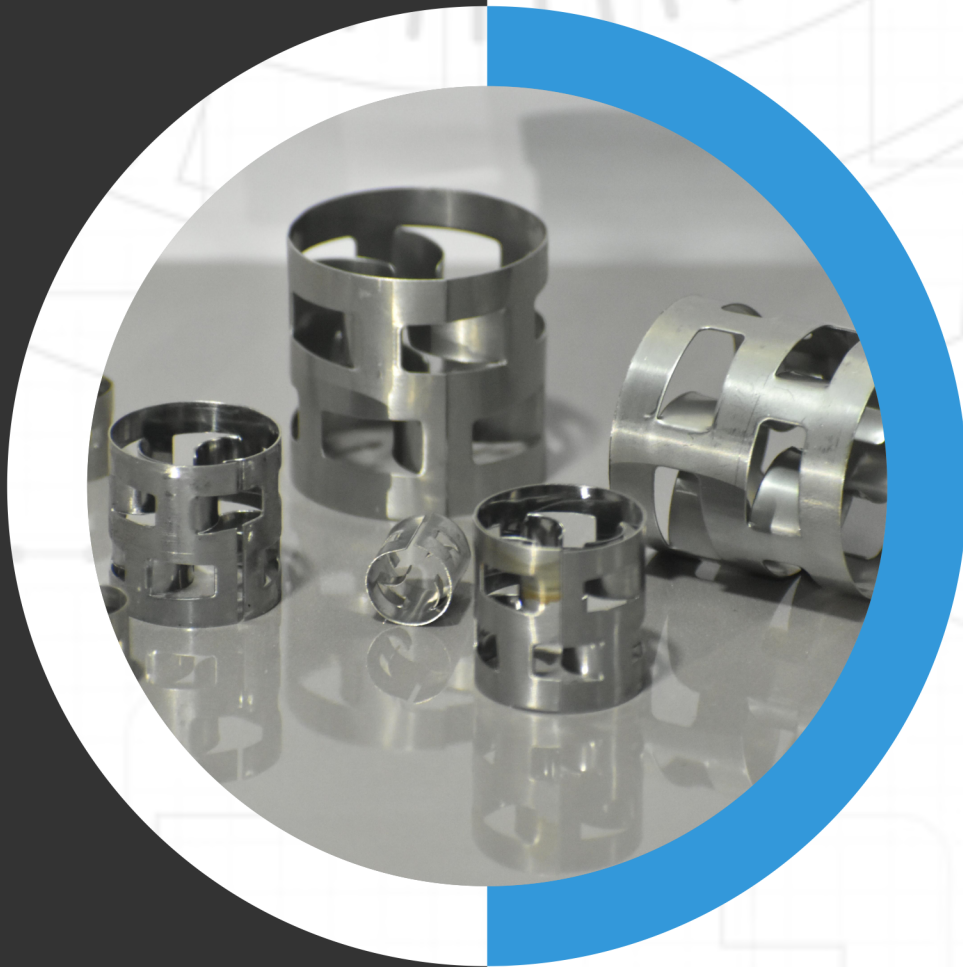


# COMPANY BROCHURE

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**AERA**  
ENGINEERING PVT LTD

# INTRODUCTION

Aera Engineering Pvt Ltd is a company that began its operations in July 2023. It is a registered organization specializing in precision engineering solutions. Aera Engineering Pvt Ltd is committed to providing high-quality products and services in the field of engineering and manufacturing.

Based in an exclusive Indian Organization located in Vadodara, Aera Engineering Pvt Ltd caters to both local and global markets. The company is dedicated to manufacturing and supplying sheet metal press components tailored to the specifications and drawings provided by customers. With extensive experience in part supply for various industries, including random packing parts, automotive parts, and electrical components, Aera Engineering Pvt Ltd ensures customer satisfaction and meets the diverse needs of different sectors.

At Aera Engineering Pvt Ltd, we prioritize the utmost care and attention to our clients. This commitment guarantees that our dispatched products adhere to high standards and ISO regulations. To ensure the highest possible quality, our in-house dedicated team conducts rigorous quality control procedures at every stage of production. From raw material testing to PMI testing of the finished product. Our product range encompasses a wide variety of precision-engineered components, including:

- >> PALL RINGS
- >> SADDLE RINGS
- >> CASCADE MINI RINGS (C-RINGS)
- >> RASCHIG RINGS
- >> ELECTRICAL, ELECTRONICS & LAMINATION COMPONENTS

By offering innovative engineering solutions and maintaining a strong focus on quality, Aera Engineering Pvt Ltd aims to establish itself as a trusted partner in the engineering industry, contributing to the success of our clients and partners in various sectors worldwide.

# OUR PRODUCTS

## RANDOM PACKING [METAL]

Aera Engineering Pvt Ltd provides metal P-Rings also known as Pall Rings, Aera Saddles also known as Intalox saddle, Aera Rings also known as Raschig ring and Aera Mini Rings also known as Cascade Mini Ring a trusted and widely used type of random packing. With a proven performance history and a large global installed base, Pall Rings are available in Stainless Steel, Carbon Steel, Aluminium, and Copper constructions. Choose Aera Engineering Pvt Ltd for reliable and customizable Pall Rings that meet the diverse needs of various applications.



## RANDOM PACKING [PLASTIC]

Aera Engineering Pvt Ltd offers a range of high-quality plastic products for industrial applications. Aera Saddles also known as INTALOX saddles, Aera P-rings also known as pall rings, Aera Mini Rings also known as cascade mini rings, Aera Raschig ring also known as Raschig rings and Aera T-rings also known as Tellerette ring are designed for optimal mass transfer efficiency and uniform liquid and gas distribution. Made from durable materials like polypropylene (PP), polyethylene (PE), and polyvinyl chloride (PVC), our plastic products provide reliable performance and chemical resistance.



## RANDOM PACKING [CERAMIC]

Aera Engineering Pvt Ltd offers high-quality ceramic products for industrial applications. Aera ceramic saddles also known as Intalox saddles, Aera p-rings also known as pall rings, Aera Raschig ring also known as Raschig ring and Aera Mini rings also known as cascade mini rings, optimize mass transfer efficiency and ensure uniform liquid and gas distribution. With excellent chemical resistance and thermal stability, our ceramic products meet the highest quality standards for various industrial needs.





# RANDOM PACKING [METAL]

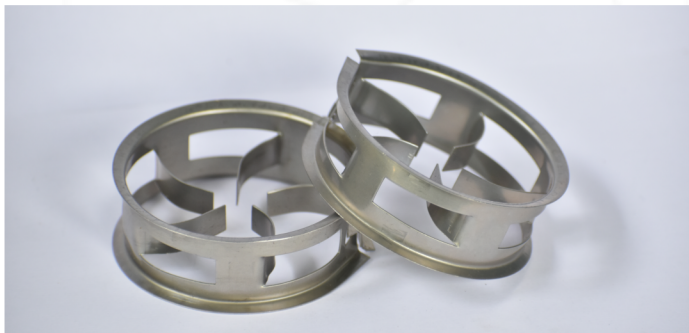
The Metal packings are typically made of metallic materials and have a random arrangement of shapes and sizes, such as rings, saddles, or spheres. . Metal random packing offers improved efficiency, durability, and resistance to harsh operating conditions compared to other packing materials. The grades include STAINLESS STEEL 304L AND 316L, HASTELLOY, MONEL, MILD STEEL AND COPPER.



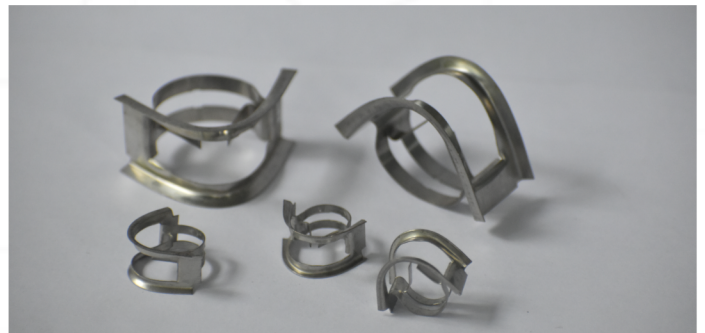
**AERA P-RING**



**AERA RASHIG RING**



**AERA MINI RING**



**AERA SADDLE**

SIZE	10 TO 80 MM
BULK DENSITY	90-520 KG/M3
SURFACE AREA	60-500 M2/M3
THICKNESS	0.3 TO 1 MM



# RANDOM PACKING [PLASTIC]

Plastic random packing is a type of structured packing used in chemical and industrial processes. It consists of randomly arranged plastic elements or pieces within a column or vessel. These elements create a large surface area for efficient mass transfer and provide enhanced mixing and contact between gas and liquid phases. Plastic random packing consists of material like PP, PVDF, PTFE & PFA.



**AERA P-RING**



**AERA RASHIG RING**



**AERA PLASTIC SADDLE**



**AERA TELLERATE RING**

SIZE

10 TO 80 MM

BULK DENSITY

40-95 KG/M3

SURFACE AREA

985-340 M2/M3

MOC

PP,PVDF,PTFE & PFA

**AERA**  
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[www.aeraepl.com](http://www.aeraepl.com)

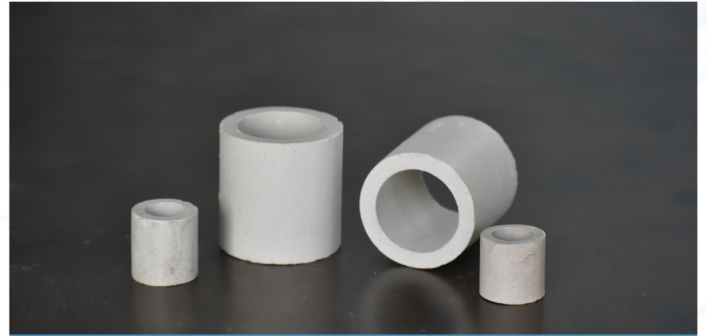
“  
Precision Presswork,  
Defining Quality  
”

# RANDOM PACKING [CERAMIC]

Ceramic random packing is highly resistant to corrosion, high temperatures, and harsh chemical environments, making it suitable for applications that require robust and durable packing materials. It is commonly utilized in processes such as distillation, absorption, and catalytic reactions.



**AERA P-RING**



**AERA RASHIG RING**



**AERA SADDLE**



**AERA PARTITION RING**

SIZE

10 TO 80 MM

BULK DENSITY

500-710 KG/M<sup>3</sup>

SURFACE AREA

60-500 M<sup>2</sup>/M<sup>3</sup>

THICKNESS

1 TO 6 MM

**AERA**  
ENGINEERING PVT LTD  
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Pressing Innovation,  
Crafting Precision



# **AERA**

**ENGINEERING PVT LTD**



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