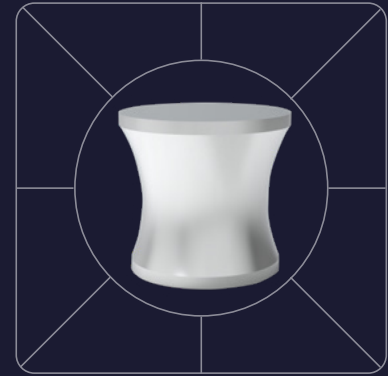


H SERIES

Headed Rivet - General

A reliable rivet that enables high-strength joints in dissimilar, multi-layer materials



Target Application

Engineered for strength and performance, Heron Tech's H Series - Headed rivets offer reliable fastening for lightweight vehicle and general industry applications.

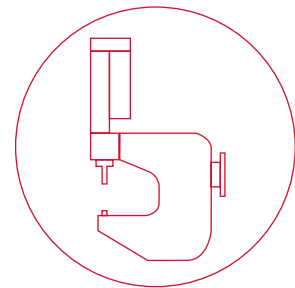
Introduction & Purpose

The H Series is Heron Tech's standard headed rivet, engineered for consistent performance across a wide range of FSPR applications. Designed to deliver reliable joint formation in multi-layer stacks, the H Series provides a strong mechanical interlock while maintaining flush, high-quality finishes on the punch side.

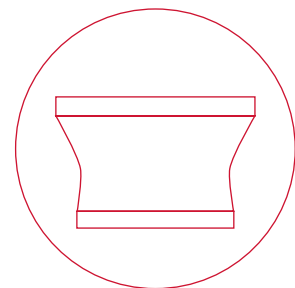
Why It's Used

Ideal for high-volume production environments, H Series rivets support efficient joining of die-cast materials, aluminum alloys, and high-strength steels. Their balanced geometry and proven performance make them a versatile solution for manufacturers seeking dependable joint quality, reduced rework, and seamless integration into automated assembly lines.

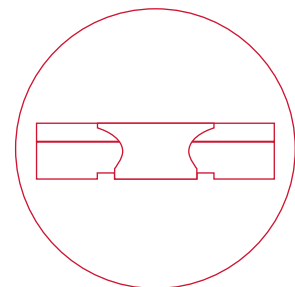
Key Features



Can be used with existing equipment. No further investment needed



12 sizes to choose from



Able to join HSS with aluminum sheets and castings.



Application materials

Aluminum alloys with higher-yield, lower ductility (1-3% elongation), high-strength steel

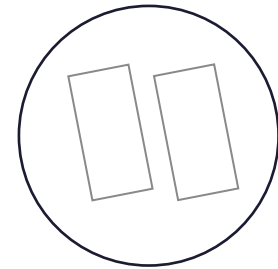
Diameter: 5mm (0.2")

Lengths: 4mm to 9mm (0.157"-0.354")

Advantages

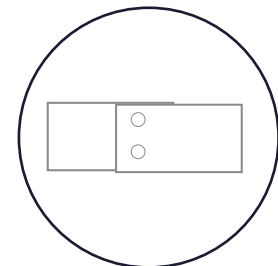
- Proven, reliable performance for high-volume production
- Consistent joint quality in multi-layer material stacks
- Flush finish on the punch side for clean assemblies
- Supports lightweighting and mixed-material designs
- Seamless integration with automated FSPR systems

Popular Application H12



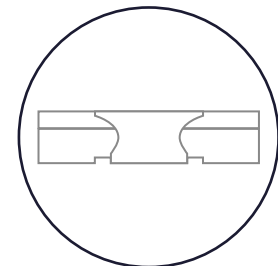
Product materials

Material Type: 5052 H32
Aluminum Panel
Thickness: 0.095" to 0.123"



Joined materials

Total Stack-up: HP12: 218"



Rivet material

7075 T6 Aluminum



Final assembly



Finished Product

Truck Step Unit

8 Rivets Per Unit



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H SERIES / 02 Rivet Advantages