



# Helander Metal Spinning Company

All Spun Metal Products

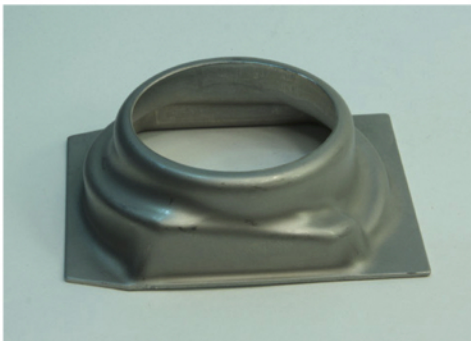
An ISO 9001 & AS9100 Registered Company

## “Hot Rod” / Specialty Automotive Components

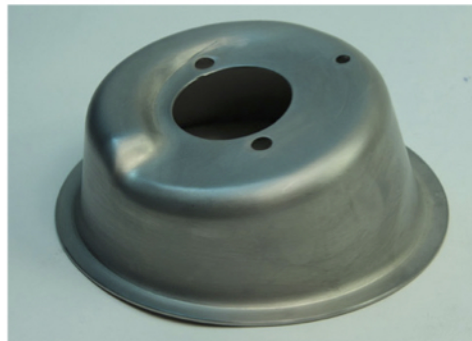
The specialty car market requires a wide variety of unique and original types of parts and components. It takes a unique and original type of fabricator that can meet the highly specialized requirements of the Hot Rod automotive industry. At Helander Metal Spinning Company we understand how to make components that will have the structural integrity to withstand the temperatures and conditions found in engines and high-performance vehicles.

In order to fabricate these featured specialty car components, we use a combination of metal spinning and hydroforming processes. Working with stainless steel and CRS, the material is spun to form the cylindrical shapes, tight curves, and intricate grooves required of these components. By applying sheet hydroforming capabilities, we complete the fabrication of the parts to the client’s precise specifications. Typical material thicknesses range from 0.047” to 0.125”, with tolerances typically held to +/-0.003”.

Our outstanding metal spinning capabilities form high-performance parts with the hardness, tensile strength, reliability, and resistance to fatigue that is required by the Hot Rod industry.



14 gauge 304 s/s spring retainer 5" square X 1.625" height made on a hydroform press.



13 gauge 304 s/s spring retainer 6.5" diameter X 3.00" height made on a hydroform press.



Chrome plated steel for vintage hub cap 10.50" diameter. X 3.125" height x 16 gauge made on a hydroform press. v

### Specifications for Hot Rod Components

Capabilities Applied/Processes	Hydroforming, Spinning
Tightest Tolerance	(+/-0.003")
Typical Material Thicknesses	0.047" to 0.125"
Cutting Method	CNC Turning & Milling
Material Commonly Used	Stainless Steel and CRS
Industry for Use	Specialty Automotive
Typical Volume	50pcs to 1000pcs
Typical Delivery Time	4 to 12 weeks
Delivery Location	International
Typical Tooling Cost	\$500.00 to \$2500.00