

# ASR and ASH Cast Steel Shot

## The only North American manufacturer to conform to stringent requirements of Aerospace Material Specifications (AMS)

Trusted by aerospace, automotive, and similar industries worldwide to deliver consistent peening results.

### APPLICATIONS

Shot peening in Aerospace, Automotive, Power, Oil & Gas, Medical and other advanced manufacturing industry sectors.



### TECHNICAL DETAILS

Ervin AMS grade cast steel shot conforms to AMS 2431 to achieve critical characteristics of durability and transmitted energy. Highlights:

- **Chemistry**  
(ASTM E 350) – Carbon, manganese, phosphorus and sulphur. Manganese content based on shot size.
- **Microstructure**  
Tempered martensite with fine, well-distributed carbides.
- **Size and Shape**  
Meets or exceeds AMS 2431 size and shape tolerances.
- **Hardness**  
ASR (45 to 52 HRC) and ASH (55 to 62 HRC).



### CERTIFICATION

Certified to AMS 2431/1 or AMS 2431/2, as applicable, following rigorous testing for compliance.

### APPLICABILITY

- Shot peening performed to process specifications such as AMS 2430, AMS 2432, and related OEM standards requires the use of AMS grade media.
- Applications following MIL-S-13165C, AMS-S-13165, and similar specifications can also benefit from the use of AMS grade media for optimal shot peening performance.

