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CherryMAX® Rivet CR3213-5-09

CR3213-5-09 is a high-strength 5/32 diameter blind rivet from the CherryMAX® series, intended for structural aerospace applications that require single-sided (blind) installation. The universal (protruding/button) head and the CherryMAX® mechanically locked stem/locking-collar system provide a durable, vibration-resistant joint, with head markings and the lock collar remaining visible after installation for visual inspection.

Basic Specifications

- Shank Diameter: 5/32 inch ($D = 0.157$ in, $+0.003/-0.001$)
- Grip Range: 0.501 – 0.562 inch
- Overall Length (L): 0.638 – 0.668 inch (nominal 0.668 in, $+0.000/-0.030$)
- K (Max): 0.90 inch
- Head Diameter (A): 0.312 inch ± 0.010 ($\approx 0.302 - 0.322$ inch)
- Head Height (B): 0.067 inch ($+0.010/-0.000$) ($\approx 0.067 - 0.077$ inch)
- Head Style: Universal Head (nominal diameter)
- Minimum Blind-Side Clearance (BK min): 0.370 inch
- Hole Limits (Min/Max): 0.160 – 0.164 inch
- Sleeve — 5056 Aluminum (per QQ-A-430)
- Stem — 8740 Steel (per AMS6322)
- Lock Collar — A-286 CRES (per AMS 5731 / AMS 5737)
- Procurement Specification: PS-CMR-3000
- Manufacturer: Cherry Aerospace, USA.

Material Thickness Selection Guidelines

- Select CR3213-5-09 when the total material stack thickness falls within 0.501–0.562 inch.
- CherryMAX® grip dash numbers follow 1/16 increments; the dash number indicates the maximum grip in sixteenths (e.g., -09 corresponds to a max grip of 9/16).

Part Identification and Marking Structure

- CR3213 — CherryMAX® universal-head, nominal-diameter rivet family
- -5 — diameter dash number (nominal diameter in 1/32 increments; -5 = 5/32)
- -09 — grip dash number (maximum grip in 1/16 increments)
- Head markings and the lock collar are visible after installation (inspection aid).

Note: This technical information is based on the official documentation provided by Cherry Aerospace and is intended solely for reference in product selection and specification.