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CherryMAX® Rivet CR3213-5-06

CR3213-5-06 is a nominal-diameter, universal-head CherryMAX® structural blind rivet intended for aerospace assemblies where single-sided (blind) installation is required. The CherryMAX® design uses a locking collar / mechanically retained stem system, and the installed rivet remains visually inspectable because the head markings and locking collar are visible after installation.

Basic Specifications

- Shank Diameter: 5/32 in (D = 0.157 in, +0.003/-0.001)
- Grip Range: 0.313 – 0.375 in (Grip Dash -06)
- Overall Length (L): 0.480 in (+0.000/-0.030)
- K (Max): 0.72 in
- Head Diameter (A): 0.312 in ±0.010
- Head Height (B): 0.067 in (+0.010/-0.000)
- Head Style: Universal Head (protruding/button head)
- Hole Limits (Min/Max): 0.160 – 0.164 in
- Minimum Blind-Side Clearance (BK min): 0.370 in
- Procurement Specification: PS-CMR-3000
- Manufacturer: Cherry Aerospace, USA.

Material Thickness Selection Guidelines

- Choose CR3213-5-06 when the total stack thickness falls within 0.313–0.375 in.
- CherryMAX® grip dash numbers follow 1/16 in increments (the dash indicates the maximum grip in sixteenths).

Key Features and Installation Characteristics

- Head markings and lock collar visible after installation for visual inspection.
- A gold-colored driving anvil identifies nominal diameter CherryMAX® rivets.
- Maintain the specified hole limits and required BK minimum clearance for satisfactory installation.

Coating and Visual Identification Notes

- Sleeve: 5056 Aluminum (QQ-A-430)
- Stem: 8740 Steel (AMS6322)
- Lock Collar: A-286 CRES (AMS 5731 / AMS 5737)
- Standard finish set (— / ARN): sleeve chemical film per MIL-DTL-5541 (plain color), stem cadmium plate per AMS-QQ-P-416 Type II Class 2, lock collar passivated per AMS 2700
- Always confirm by full part number + finish code; appearance can vary by finish and handling.

Part Identification and Marking Structure

CR3213 — CherryMAX® rivet family (universal head, nominal diameter).

- -5 — diameter dash number (nominal diameter in 1/32 in increments; -5 = 5/32")
- -06 — grip dash number (maximum grip in 1/16 in increments)
- Head markings and locking collar remain 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.