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CherryMAX® Rivet CR3213-6-05

CR3213-6-05 is a high-strength 3/16 diameter structural blind rivet from the CherryMAX® series, designed for aerospace applications requiring single-sided (blind) installation. The CherryMAX® system incorporates a mechanically retained stem with a locking collar; after installation, the head markings and locking collar remain visible to support visual inspection. A gold-colored driving anvil identifies nominal diameter rivets.

Basic Specifications

- Shank Diameter: 3/16 in (D = 0.189 in, +0.003/-0.001)
- Grip Range: 0.251 – 0.312 in (Grip Dash -05)
- Overall Length (L): 0.450 in (+0.000/-0.030)
- K (Max): 0.70 in
- Head Diameter (A): 0.375 in ± 0.010
- Head Height (B): 0.080 in (+0.010/-0.000)
- P (Min): 0.015 in
- Z (Ref): 0.94 in
- Minimum Blind-Side Clearance (BK min): 0.415 in
- Hole Limits (Min/Max): 0.192 – 0.196 in
- Head Style: Universal Head (protruding/button head), nominal diameter
- Sleeve — 5056 Aluminum (per QQ-A-430)
- Stem — 8740 Steel (per AMS6322)
- Lock Collar — A-286 CRES (per AMS 5731 & AMS 5737)
- Standard finish set example (--- / ARN): sleeve chemical film, plain color (per MIL-DTL-5541); stem cadmium plate (per AMS-QQ-P-416, Type II, Class 2); lock collar passivated (per AMS 2700)
- Procurement Specification: PS-CMR-3000
- Manufacturer: Cherry Aerospace, USA•

Material Thickness Selection Guidelines

- Select CR3213-6-05 when the total material stack thickness falls within 0.251–0.312 in.
- CherryMAX® grip dash numbers follow 1/16 increments; the dash number indicates the maximum grip in sixteenths.

Part Identification and Marking Structure

- CR3213 — CherryMAX® rivet family: universal head, nominal diameter
- -6 — diameter dash number (nominal diameter in 1/32 in increments; -6 = 3/16)
- -05 — grip dash number (maximum grip in 1/16 in increments)
- Head markings and the lock collar are visible after installation (inspection aid).
- CR3213 — CherryMAX® rivet family: universal head, nominal diameter
- -6 — diameter dash number (nominal diameter in 1/32 in increments; -6 = 3/16)
- -04 — grip dash number (maximum grip in 1/16 in 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.