ARINC 791/792 Adjustable Fittings

CONSTRUCTION

Materials
- 17-4PH stainless steel heat treated to H1150
- Passivated per AMS2700
- Primed using MIL-PRF-23377, Type I, Class N
- Painted using MIL-PRF-85285, Type I, Class H (Gloss white)
- RoHS & REACH compliant

Performance Standards
- Substantiated to 4,000 lbs (at each fitting location)
- ARINC 791 specified .375" fitting bolt

FEATURES & BENEFITS

Function
- Eliminates shimming and match drilling
- Minimizes installation time
- Reduces tools required for installation
- Accommodates variations in AC-side fittings
- Meets ARINC 791 slip requirements
- Fail-safe design
- CRES material eliminates bushings and galvanic corrosion

Patent No.: US 10,640,194

TESTED TO MEET THE FOLLOWING REQUIREMENTS

Operational Shock
- RTCA/DO-160G Section 7.2.1: 6 g 11 ms terminal sawtooth (3 shocks in all 6 directions)

Crash Safety Impulse
- RTCA/DO-160G Section 7.3.1: 20 g (1 shock in all 6 directions)

Crash Safety Sustained
- RTCA/DO-160G section 7.3.3: 20 g (3 seconds minimum in all 6 directions)

Robust Vibration
- RTCA/DO-160G section 8.7.2: Random Category R, Curve B3 and B4

High Power Short Duration Engine Imbalance
- RTCA/DO-160G Section 8.6: Sinusoidal Category H, Curve R

Mechanical Endurance
- 250 cycles minimum

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