



SUMMARY SPECIFICATION			
Doc.#		Type/Model	
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ATECO ALUMINIUM GEODESIC DOME ROOF - SUMMARY SPECIFICATION

SUMMARY SPECIFICATION

The following summarizes the features of the **ATECO ALUMINIUM GEODESIC DOME ROOF**. Please consult **ATECO's ALUMINIUM GEODESIC DOME ROOF** specification for a more detailed presentation of all key elements of the product.

- The ATECO Aluminium Geodesic Dome features a clear-span, all-aluminium, lightweight, corrosion-resistant structure which sets a new standard for performance in aluminium geodesic domes.
- ATECO's unique Double-Web I-Beam, Batten-Bar design and attention to details at critical locations all result in a cost-effective solution that provides superior protection of your stored product.
- The ATECO Aluminium Geodesic Dome can be installed in-service and its superior design was developed under the guidance of API 650, Appendix-G and AWWA D-108.

GENERAL

- All Aluminium Construction
- Corrosion Resistant
- Maintenance Free
- ATECO Engineering Excellence
- Strongest Space Frame Design
- Clear Span Design
- Optimum Cost Efficiency
- Superior Performance
- Water Tight Construction
- Reduced Vapor Losses On Floating Roofs
- Quick Field Installation
- Extended Service Life
- Standard Warranty 5 years
- Superior Aesthetics

QUARTET SEAL BATTEN DESIGN

- Gasketed and Domed Washer SS Fasteners
- Quartet Sealant Batten Bar
- Protection from UV and sealant degradation
- Interlock System
- Fireproof Connection
- Flanged Hub Cover
- Superior Seal For Water Leakage
- No exposed sealant at nodes
- Easy Installation
- Pre-Punched Batten Bar

DOUBLE SEALED HUB DESIGN

- Double Sealed Hub
- Flanged Hub Cover
- Extruded Hidden Silicon Seal
- Lock-Bolted Superior Connection and UV Protection
- Batten Bar-Hub Cover Tee Joint For Leakage and UV Protection
- Optional IFR Cable Housing
- Optional VPE Type Application
- Easy Removing
- Sealed Sheet-Node Plate Joint
- Sheet-Node Plate with Pop-Rivet Connection for Local Deformation and Sheet Leakage
- Secondary Caulk Seal Protection
- High Strength Node Plate

LATEST DESIGN CODES

- Eurocode
- Aluminium Association's 2010
- Aluminium Design Manual
- IBC 2012
- AWWA D108
- API 650, Appendix-G
- EN14015
- ASCE Code Structural Codes

ATECO was founded in 2004. We design and manufacture quality engineered Heavy Duty Batten Bar & Flash Batten Bar **ALUMINIUM GEODESIC DOME ROOFS**, Heavy Duty Aluminium Internal Floating Roofs, Primary & Secondary Rim Seals, Drain Systems, & Fire Foam Delivery Systems for Floating Roof Tanks together with Specialised floating suction lines and skimmers in steel, stainless steel and aluminium. We also manufacture a range of HeavySwing swing joints for floating suction lines, with available sizes ranging from 2" to 40".