

Infrastructure that fortifies the mission



Strength. Mobility. Endurance.



Patent : US 7,568,253

Patents pending: WO 2010/040205 A1 - 12/495,084

Structurally strong, durable and easy to assemble, the weld-free Make-A-Bridge® system adapts to many situations, enabling transport of troops and equipment over obstacles and rugged terrain. The Meccano-style modular construction allows bridge sections to be assembled without special tools or training. This versatile bridge system quickly constructs a temporary infrastructure to expand supply lines and deployment capabilities, even to remote locations, changing its length and geometries to meet specific objectives.

The patented Make-A-Bridge® design is constructed of lightweight aluminum alloys that are structurally strong and rigid to withstand heavy use, with a bridge dead load of 0.5 kPa (10 psf). High-strength extruded members interlock into cast aluminum structural tripod nodes end-to-end, connecting side-to-side to form continuous truss sections across the entire span. Bracing members and decking units complete the light, corrosion-resistant structure.

Make-A-Bridge® interchangeable components are engineered to maximize load-bearing capacity with minimal structural weight, and are bundled for easy transport between military base and theater of operations. This versatile half-through bridge design enables improved mobility, providing a secure, safe and efficient way to move troops, vehicles and supplies, and facilitate set-up and easy access to mobile medical units, communications, fuel supply stations, and more.

- Single spans from 3 to 30 meters (10 to 100 feet);
- Withstands severe force and weather/climate conditions;
- Each element has maximum weight of 35 kg (70 pounds);
- High-strength alloy construction using 6005A, 6061, 6082, AA356, AA357;
- Destructive testing conducted at Ecole de technologie superieure, Montreal, Quebec, and University of Waterloo, Ontario, verify the structure's ductility;
- Strength UTS of 260-290 MPa

**For more information,
visit www.makeabridge.com**

*Moment resisting joint
using tripod node.*

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