

Infrastructure for functional marine access




MakeABridge[®]

Strength. Access. Endurance.

Patent : US 7,568,253

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



Lightweight and corrosion-free aluminum Make-A-Bridge[®] gangways span up to 100 feet in overall length and provide safe and reliable access to docks, marinas and ports. The Meccano-style, extruded aluminum bridge system is impervious to corrosion from salt water, chemicals and pollution. The modular components are bundled and ready to ship on standard-size trailers in just a few working days, and are easily assembled without special tools or training.

Make-A-Bridge[®] is engineered to be the ideal long-term infrastructure solution for sustainable "green marina" development. Our patented lightweight extruded aluminum design provides secure access gangways for new and renovated maritime facilities. High-strength aluminum 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 this ultra-light yet strong structure.

The Make-A-Bridge[®] design visually integrates with surrounding marine structures. Its aluminum components are offered in a variety of attractive color anodized or baked paint finishes. Customize your Make-A-Bridge[®] pedestrian bridge/gangway by choosing from practical options such as non-slip decking, tension roof (canopy), integrated handrails and kick plates, and built-in LED lighting system in desired color to suit your needs.

- Single spans from 3 to 30 meters (10 to 100 feet);
- Withstands severe weather/climate conditions;
- Each element has maximum weight of 35kg (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, Waterloo, Ontario, to verify the structure's ductility;
- Strength UTS of 260-290 MPa;
- Options enhance functionality and aesthetics;
- Bridge dead load structural weight of 0.5 kPa (10 psf);
- Aluminum members are fully recyclable.

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

Moment resisting joint
using tripod node.

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