American Muscle Docks has taken a smarter approach to the engineering & design of a gangway resulting in a stronger, lighter, and more competitively priced product.

Our patented design introduces many elements that haven’t been utilized on any other gangways to date. Look inside to see what separates our gangways from others on the market. Have confidence knowing AMD has designed, engineered, and manufactures this game-changing gangway.

**5-Series™**

**Specifications & Sizes**

- 6063 – T5 grade aluminum
- Stainless fasteners
- Non-Skid aluminum decking
- 120 lb. live - load up to 30’
- Low-profile roller system
- Heavy-duty mounting bracket

**SIZES**

2’, 3’, or 4’ wide widths available up to 50’ long
Gangways up to 20’ are available without handrail and have a 50 lb. live - load

Custom sizes available
ADA options upon request

“Not all gangways are created equal”

Made is USA by US Certified Professionals

Contact Us

141 Sunset Avenue
Wellsburg, WV 26070
800-223-3444
www.amdocks.com

www.amdocks.com  Patent # US 10,400,401
The design of our gangway beams, end plates, mounting plate, handrail uprights and supports all work in concert to disperse the load (force) on the gangway efficiently. Our patented beam profile design is optimized to effectively allocate the load throughout the gangway structure.

The smarter engineering of our gangway elements allow the use of lighter material while obtaining a higher live-load capacity similar to that of much heavier gangways on the market for better price. 5-Series gangways are as streamline and beautiful as they are strong!

For commercial and residential applications.

PATENT # US 10,400,401
Call for a quote today!

**5-SERIES™ GANGWAY INFORMATION**

### Beam Profile Design Elements

1. **Cutout for decking** allows the decking to float inside the beam, on top of the fulcrum, resulting in less stress and twisting of the complete gangway structure.

2. **Fulcrum (triangle)** allows the weight on the decking to disperse directly in the center of the beam reducing bending, twisting, and stress on the gangway structure.

3. **Sigma shape (half moon)** design allows the weight on the gangway to disperse vertically through the side beam. This shape centers the stress through the center of the beam and also acts like a spring to absorb stress.

The above three design elements, combined with engineered material thickness and flanges further contribute to the strength of our gangway.

### Handrail Profile Design Elements

The handrail uprights are a critical part of the handrail structure and have been designed to withstand a combination of loading conditions. Both the diagonal and upright extrusions were engineered to increase the live-load capability.

The handrail upright and cross beam profile incorporate a square and rounded profile. The two different profiles work in conjunction for added strength in transverse and non-transverse load stresses on the gangway.

Our handrail uprights are welded to the gangway frame and diagonal beams are fastened with stainless steel bolts.

**ADA handrail options available**