

## FastBack® Backing System (162-FBBC5-2X)

**Universal design - works with studs in either direction**

The FastBack® backing system features a universal design that works with studs in either direction concealing fasteners on the face of the product. The system creates an interlocked design between the stud and track for baseboard and handrail backing installations; and a cutaway design allows backing and bracing to be installed all the way to the floor.

### Product Data & Ordering Information: (FastBack® Backing System)

Product code	Stud Flange Width (F)	Height (H)	Packaging pcs./ctn.
162-FBBC5-2X	1-5/8"	5-1/8"	50

Clip Material: Grade 50ksi min. yield strength, G90

33mils: 20ga STR, 0.0346" Design Thickness, 0.0329" Min. Thickness

### 2X Lumber FastBack Backing System Load Values

Product Code	Stud Framing Thickness / KSI	Installation Condition			
		Shear / 0" Offset	Shear / 1" Offset	Shear / 3" Offset	Tension
162-FBBC5-2X	33mil	470	260	140	195
	43mil	470	290	140	200
	54mil	470	290	140	200
	68mil	470	290	150	200

#### Load Table Notes:

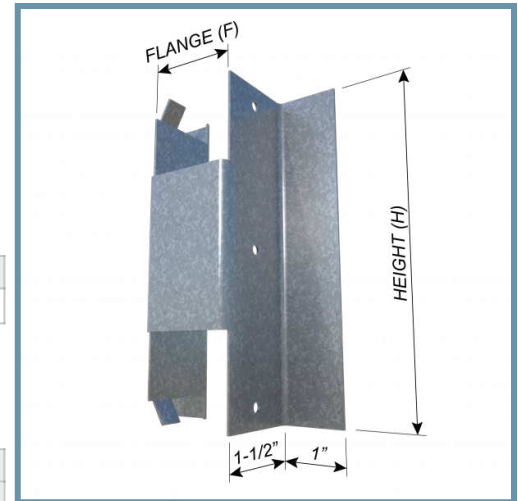
1. Listed allowable load calculated utilizing 3.0 factor of safety.
2. Shear / Offset (moment-rotation) Load refers to load directed in the plane of the wall.
3. Tension Load refers to load directed perpendicular to wall or wood surface.
4. Tabulated loads include the contribution of 5/8" gypsum board.
5. Test loads were applied to the gypsum board and backing system through a 1-1/2" thick, 2-3/4" diameter steel plate secured w/(4) #12 hex head screws.
6. Loads were applied directly through the steel plate or to a steel rod that cantilevered from the plate.
7. Typical failure mode in backing testing was the gypsum board failure.
8. 24-in on-center stud spacing test results were similar/identical to 16-in on-center test results.
9. Framing member design capacities should be checked separately.
10. Tested capacities are for 16 in o.c.
11. To install, rotate the FastBack® clip over the flange of the stud until it sits flush. Fasten into place using (3) #8 wafer head/pan head screws to metal stud at each pre-punched holes. Place wood onto tabs and fasten into place using (3) #8 wafer head/pan head screws. One screw at the center and one screw 1/2" from the top and bottom edges of wood.

### Code Approvals & Performance Standards

- **ASTM A653** Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- **ASTM A1003** Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members
- **SDS For ASTM A1003 Steel Framing Products** For Interior Framing, Exterior Framing and Clips/Accessories

**Sustainability Credits** For more details and LEED letters contact Technical Services at 888-437-3244 or visit [clarkdietrich.com/LEED](http://clarkdietrich.com/LEED).

- **LEED v4.1 MR Credit:** Environmental Product Declarations: EPD (1 point) - Sourcing of Raw Materials (up to 2 points) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points)
- **LEED v4 MR Credit:** Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).



• U.S. Patent No. 7,882,676

