



Grabber Deckmaster Hidden Fastener System

January 1, 2006

*Revised Jan 18, 2007

DIVISION: 05—METALS

Section: 05090—Metal Fastenings

DIVISION: 06—WOOD AND PLASTICS

Section: 06090—Wood and Plastic Fastenings

JOHN WAGNER ASSOCIATES, INC.,

GRABBER DIVISION

205 MASON CIRCLE

CONCORD, CALIFORNIA 94520

1.0 SUBJECT

Grabber Deckmaster Brackets installation with Grabber Deckmaster Coarse Exterior Coated Screws.

Grabber Stainless Deckmaster Brackets installation with Grabber 302 Stainless Screws.

1.1 Grabber DECKMASTER® is a patented fastening system that eliminates the damage to deck boards caused by other fastening systems. Screwing or nailing through the top of the deck boards is not only unsightly, but also allows the wood to crack, warp, split, rot, stain, pop up and become a possible hazard to bare feet.

1.2

2.0 DESCRIPTION

Grabber Deckmaster Hidden Fastener System consists of Powder Coated or Stainless Brackets and Grabber proprietary screws to be used to fasten wood or composite deck boards to wood joists.

2.1. General: Deckmaster is ACQ Compliant and fastens hardwoods, softwoods, hollow and solid core composites, including ¾", 1", and 1 ¼" mahogany.

2.1.1 BRACKETS

22.5" LONG, 24 GAUGE with pre drilled holes 1 1/8" spacing.

HOT DIPPED ZINC COATED GALVANIZED STEEL SHEET (G-90)

ASTM A448 GRADE D CLASS 1 G90, with bronze epoxy coating.

Tested to 1000 hour salt spray per ASTM B117.

REGULAR SPANGLE

STAINLESS STEEL (304)

2.1.2 SCREWS

All Grabbergard Screws are ACQ Compliant

Board Screws, #2 Square Recess or LOX Recess with Type 17 point, and 8 TPI

10x 1" Grabbergard® (1000 Hour Salt Spray), Stainless Steel (302) Red Kit

10x 1-1/4" Grabbergard® (1000 Hour Salt Spray), Stainless Steel (302) Blue Kit

10x 1-5/8" Grabbergard® (1000 Hour Salt Spray), Stainless Steel (302) Alternative

10x 1-3/4" Grabbergard® (1000 Hour Salt Spray), Stainless Steel (302) Green Kit

Bracket to Joist Screws, #2 Square Recess, or LOX recess, Type S point, 14 TPI 8x1" All Kits

Grabbergard® (1000 Hour Salt Spray), Stainless Steel (302)

2.1.3 Grabber Coarse Thread Screws: Grabber coarse thread screws are for use in wood-to-wood connections. The screws are manufactured in gage Nos.8, and 10, with flat or pan heads. The Grabber coarse thread screws must comply with ANSI/ASME B18.6.1. and Grabber ER5280.

3.0 Manufacturer's Instructions

3.1 Joist Connections: Fasten the Deckmaster Brackets to the joists using the 8 x1" pan head screws installing a screw in every other hole or 1 1/4" OC. Holes are pre-drilled and countersunk to match the 10x Deckmaster Flat Head Board screws and its diameter.



Grabber Deckmaster Hidden Fastener System

3.2. Wood Connections- Recommended Board Screw Lengths by Color Coded Kits

			Deckmaster Deck board Screw
Deck board Category	Minimum-Maximum	Deckmaster Kit	Diameter/ Length
Composites Hollow Core (all)	Less than 3/4"	Not recommended	N/A
	3/4"- 1"	Deckmaster Red Box	10 x 1"
	1 1/16" -1 1/4"	Deckmaster Blue Box	10 x 1 1/4"
	1 1/2"	Deckmaster Green Box	10 x 1 3/4"
Natural Woods	Minimum-Maximum	Deckmaster Kit	Diameter/ Length
	Less than 3/4"	Not recommended	N/A
	3/4" to 1"	Deckmaster Red Box	10 x 1"
	1 1/16" -1 1/4"	Deckmaster Blue Box	10 x 1 1/4"
	1 1/2"	Deckmaster Green Box	10 x 1 3/4"

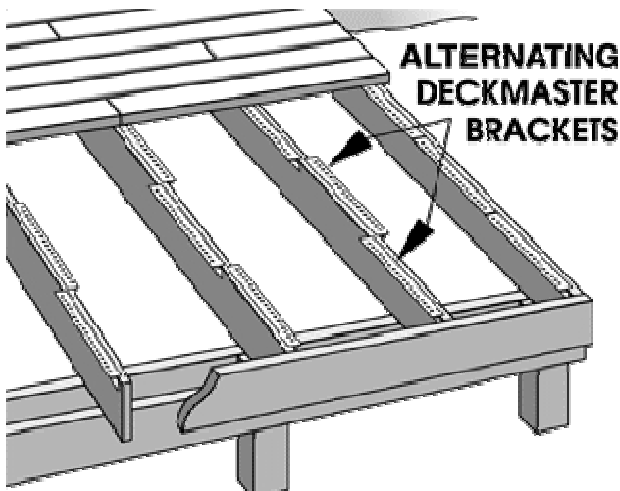
3.2.2 Fasten the deck boards to the tops of the joists using the 10 x Flat head, type 17 point screws.

3.0 Installation:

3.1. Apply DECKMASTER® Hidden Deck Brackets on alternating sides of all joists flat against the joist top. On perimeter joists, apply brackets end-to-end on the inside of the joist only. Fasten with DECKMASTER® Joist Screws through every other hole in the side of the bracket.



Courtesy WORKBENCH magazine

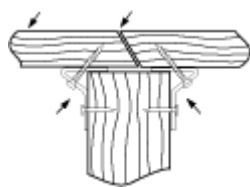




Grabber Deckmaster Hidden Fastener System

Brackets are alternated to give equal support to the joist. Because the screws go in at a 60 degree angle there is some tension to pull the boards in one direction. Alternating the brackets allows the joist to have equal tension on both sides of the joist thereby equalizing the holding power from both sides of the joist.

3.2 Working from the top of the deck, lay each deck board on the joist. Reach underneath the deck board and drive a minimum of two DECKMASTER® Bracket Screws through the bracket, up into the deck board. If you have sufficient space you can install from below. A DeckMate® spacer is handy for proper spacing.



3. Where deck boards end with a splice over the joist, fasten brackets to both sides of the joist. If a random splice pattern is used, cut a

bracket the width of the deck board and attach to the opposite side of the joist from the full-length bracket.



Cut brackets the length of the deck board and attach to opposite side of joist

3.3. Continue to attach deck boards as in number 2 above, maintaining your desired spacing between boards. If there is no access underneath the deck, the last board(s) should be attached through the surface with 10 x 2" screws. Countersink the screws and plug the holes 3/8" to maintain surface appearance. Pre-drill the boards with 1/8" drill bit for the #10 wire diameter screws. Chisel the plug tops to flush.



3.4 Finish – Stainless Steel brackets should be painted black to prevent sunlight glare before deck boards are attached. Use an exterior grade metal paint for best results.

3.5 Protection – Timely maintenance is required of all outdoor structures. Periodically inspect Deckmaster fastenings and replace if needed.

3.6 Country of Origin- Taiwan, ROC

4.0 Conditional Warranty – Powder Coated, 50 Years, Stainless Steel, Life of the original Deck.