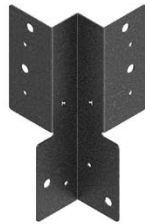


# HDG ENGINEERED PRODUCTS

## Single Story Deck Post Bracket Assembly



Featuring:  
The H3-GPS Bracket

209 Tidwell Drive Alpharetta, Georgia 30004 Office 770-777-7007 ~ ext. 234 E-mail: info@hdgep.com  
USPTO No. 10,024,046: Bracket Bracing System - Copyright © 2018 HDG, Inc. All Rights Reserved - Terms of Use Listed @ www.hdgep.com -

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## INSTALLATION GUIDE FOR SINGLE STORY BRACKETS

*Read Guide Completely Before Installation*

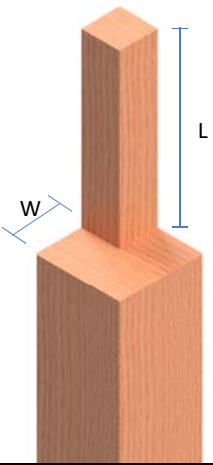
- **Check for Additional Requirements**
  - Per Deck Design Professional AND local code authority
- **Water Intrusion**
  - **\*\*INSTALLER IS RESPONSIBLE FOR PREVENTING WATER INTRUSION\*\***
    - Verify all bolts and caulks are tightened
- **Fasteners:**
  - Installed **ONLY** in provided and specified holes
  - Are to meet or exceed local code requirements.
  - Recommended: HDG ASTM 123 Hot Dipped Galvanized or Stainless Steel
- **Certifications:**
  - HDG, Inc. Engineered Products: **Subject to 1 Year Limited Warranty**
  - USPTO: No. 10,024,046: Bracket Bracing System
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**Instructions are not intended to replace deck construction plans.  
Shown for product illustration purposes only.**


Contact: [info@hdgep.com](mailto:info@hdgep.com) or 770) 777-7007 Ext 234 for Additional Information  
See [www.hdgep.com](http://www.hdgep.com) for Instructional Video and Individual Product Specifications

 HDG  
EXCELLENCE IN PRODUCTS

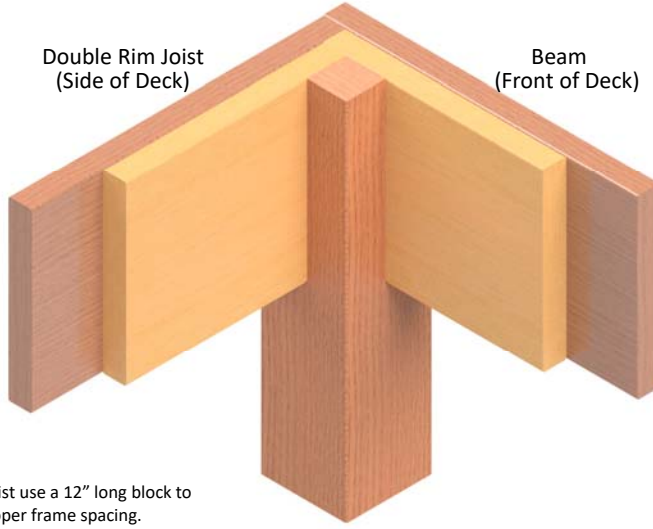
Notch the top of the deck post to accommodate the beam and rim joist used.



In this case we are using (2) 2x12s for beam and rim joist so the notch is approximately 11 inches long (L) and 3 inches deep (W) on 2 sides. (For 2x10's cut notch to 9")<sup>3</sup>

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Overlap the rim joist and beam as shown of using 2x Lumber



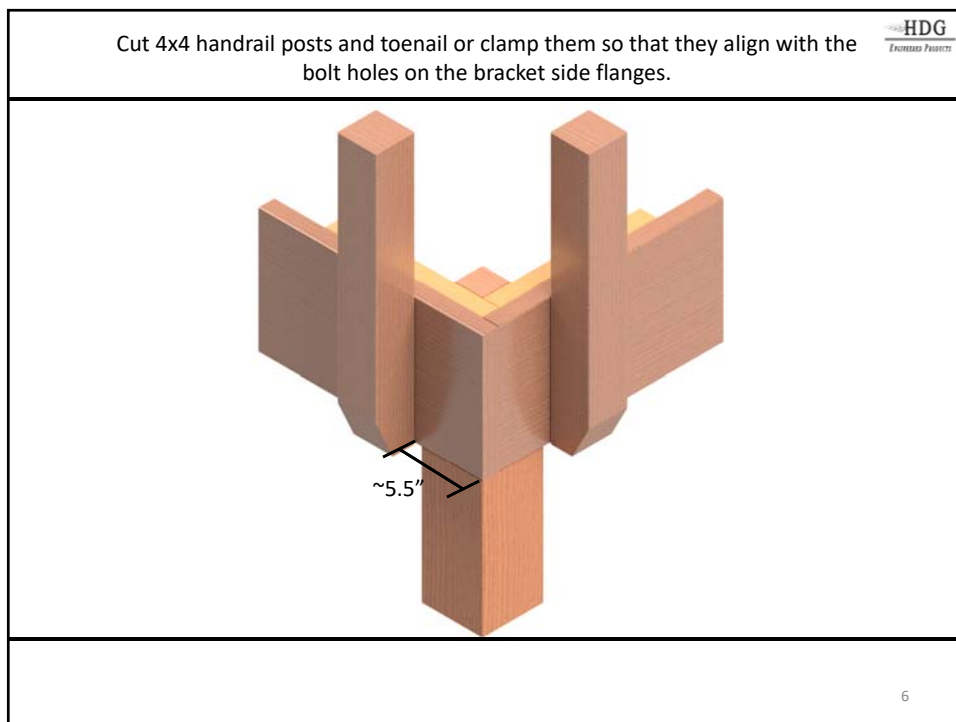
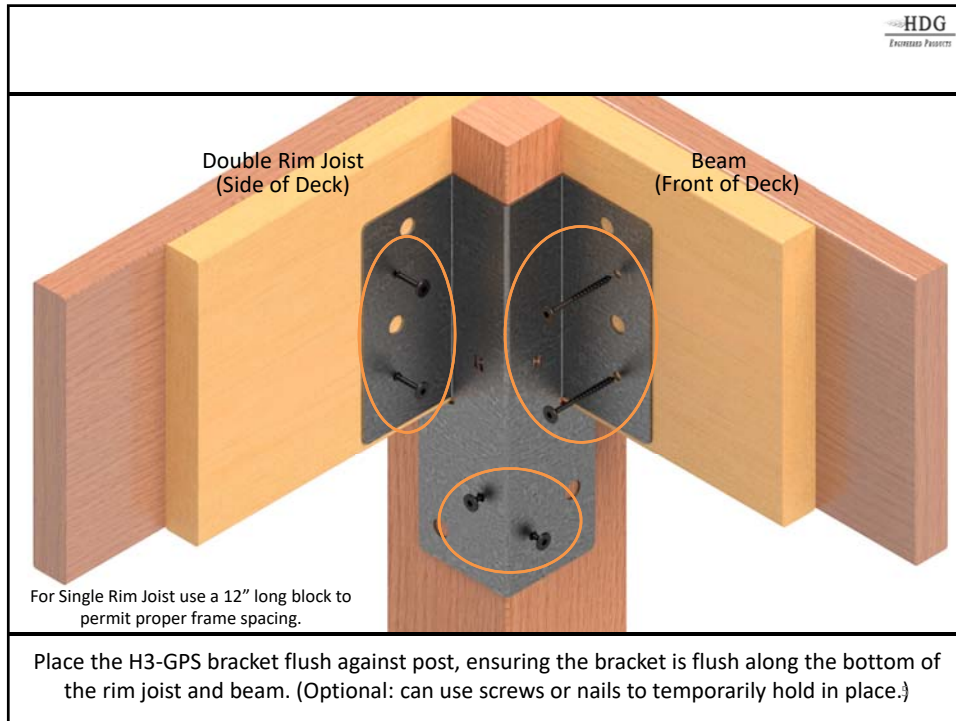
Double Rim Joist  
(Side of Deck)


Beam  
(Front of Deck)

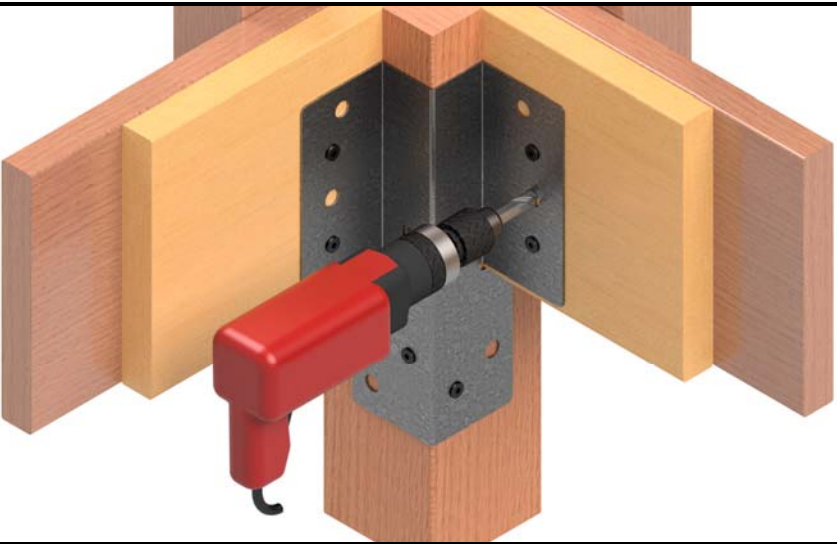
For Single Rim Joist use a 12" long block to permit proper frame spacing.

Nail overlapped boards typically to hold them in place.


4

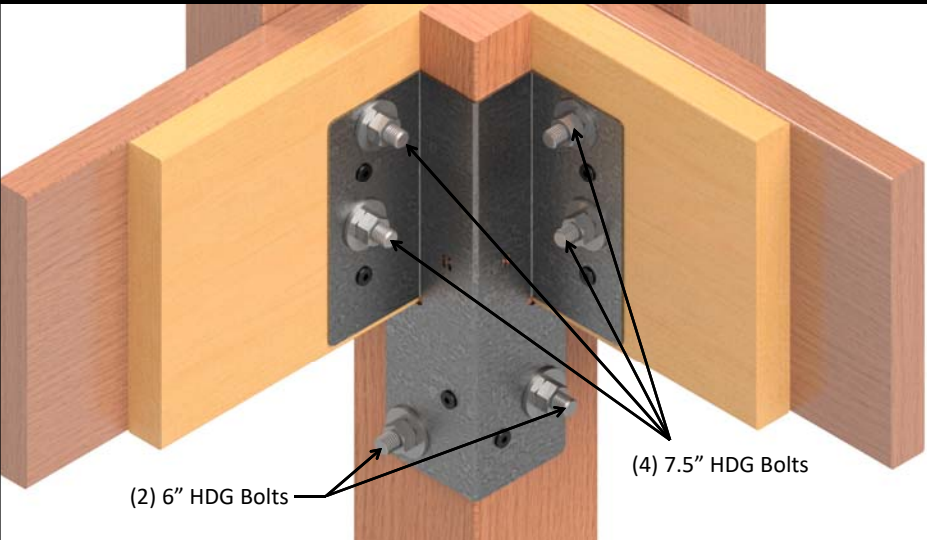


Drill, using each bolt hole in bracket as guides, through all lumber with a minimum 1/2" hole for 1/2" bolts. 



7

Installing bolts through the outside, fasten them inside the deck with code approved fasteners. 



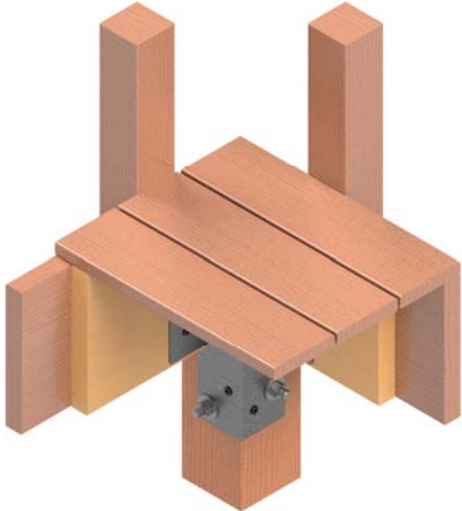
(2) 6" HDG Bolts

(4) 7.5" HDG Bolts

Torque per recommended wood council specs. Bolts are 1/2" diameter minimum.

8

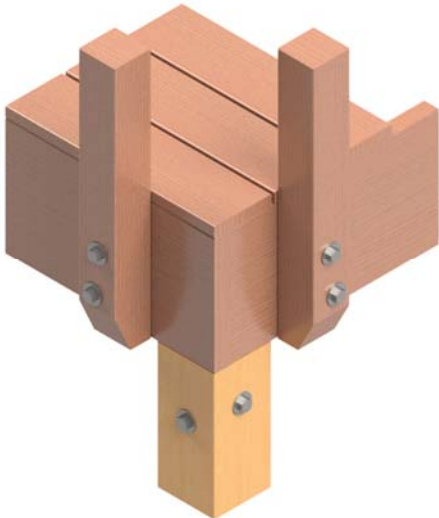
Install 5/4 board decking flush across deck.



9

The image shows a 3D perspective view of a deck post and beam assembly. A vertical wooden post is connected to a horizontal wooden beam. Two 5/4 decking boards are laid across the top of the beam, flush with the top surface. A metal bracket is attached to the bottom of the post, securing it to the beam.

2x4 knee bracing not required for decks with posts less than 11' high.



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The image shows a 3D perspective view of a deck post and beam assembly. A vertical wooden post is connected to a horizontal wooden beam. Two 2x4 wooden knee braces are attached to the sides of the post and beam, secured with metal brackets and bolts. The braces are positioned to provide lateral support to the post.



## Single Story Bracket Assembly Guide

*\* Read Guide Completely Before Installation \**

### Certifications

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