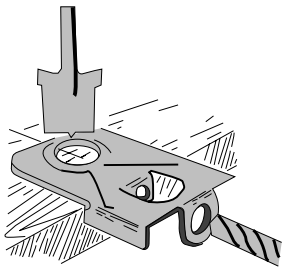
Installation Instruction Sheet
For #516 “Tite-Joint Fastener”



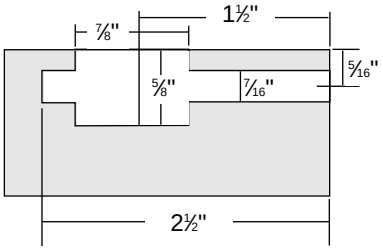
For use in ¾" thick wood. The 4¹⁄₁₆" bolt allows center-to-center dimension to vary from 2" to 3½"; 6" bolt available on special order gives 2" to5½" centers. Drill guide packed in each box to insure installation of ⅞" diameter holes at correct locations, drill fits ¼" & larger chuck has a special shoulder to control hole depth to ⅝". For draw bolt hole, use any long, straight-shank ⁷⁄₁₆" drill.

Step 1. Drill ⅞" holes from back side in each piece to accommodate tightening nut and locking sleeve. Drill ⁷⁄₁₆" holes in edges of both pieces for draw bolt.

Step 2. Insert tightening nut in ⅞" hole facing threaded end towards the joint. Insert draw bolt and thread into nut.

Step 3. Join both wood members. Insert locking sleeves in the remaining ⅞" hole so that the slotted sleeve engages the rounded portion on bolt.

Step 4. Tighten nut with tightening tool or nail set. Each pound of pressure on the tightening tool exerts 500 pounds of force on the joint.



Dimensions:
Lay out location of hole centers according to drawing or use jig to locate holes as shown above. Standard shop production machines and locating procedures can also be used if desired.