

# CARRIAGE BOLTS

## WHAT ARE CARRIAGE BOLTS USED FOR?

- » Hold together wood with wood, wood with metal, metal with metal
- » Shape allows the bolt to be self-locking when placed through a square hole, especially with metal
- » Can be easily placed through a round hole in most kinds of wood, making it a versatile accessory

## WHERE DOES THE NAME COME FROM?

- » Been around for centuries
- » Become popular because they were widely used in carriage and carriage wheel construction, thus giving it the name

## WHAT ARE THE DIFFERENT TYPES?

- » Round head and ribbed neck are the most common

## WHAT IS THE DESIGN OF THE BOLT?

- » Shallow mushroom head with a square section underneath
- » Square section is plain and unthreaded; is the same size as the bolt's shank diameter
- » Square section helps prevent the bolt from being unlocked from the insecure side; and serves as gripping purposes so the bolt will not move or turn when you spin the nut
- » Can be installed with a single tool - spanner or wrench - working from one side

## WHAT ARE MODERN APPLICATIONS?

- » Carpentry and wood construction
- » Frequently used by homeowners and professional carpenters for DIY projects, home maintenance, and repairs

## WHY USE CARRIAGE BOLTS?

- » Commonly used for their ease of use, especially with wood
- » Smooth, dome-shaped heads offer an aesthetic appeal
- » Amount of safety when used in wood decking, decorative fencing, wooden furniture, and backyard play equipment
- » Security - they can only be unbolted from one side

