

SOCKET 1/2

In mechanical tools, "**SOCKET 1/2**" almost always refers to a **1/2-inch drive socket wrench system**, which is the industry standard for medium-to-heavy-duty automotive and mechanical repairs. Less frequently, depending on your context, it can refer to a **1/2-inch fastener socket size** or a **1/2-inch plumbing socket**. [[1](#), [2](#), [3](#), [4](#), [5](#)]

1. The 1/2-Inch Square Drive (Most Common)

This refers to the size of the square opening on the back of the socket where it connects to a ratchet, breaker bar, or impact wrench. **Purpose:** It bridges the gap between smaller 3/8-inch drives (used for light engine work) and larger 3/4-inch drives (used for heavy industrial machinery). [

- **Torque:** Designed to handle high torque applications like wheel lug nuts, suspension components, and heavy machinery without slipping or shearing. [[1](#)]
- **Compatibility:** Works across a vast range of metric and SAE (inch) socket heads. [[1](#), [2](#)]