

Socket screws (or Allen screws) feature an internal hexagonal drive tightened with a hex key, minimizing the risk of stripping while allowing for significantly higher torque. Because they provide stronger clamping force, fewer screws are required per assembly. Common types include: [

- **Socket Head Cap Screws:** Feature a cylindrical head for confined spaces.
- **Button Head Screws:** Rounded, low-profile heads for applications requiring snag-free surfaces.
- **Flat Head Screws:** Countersunk heads designed to sit flush with materials.
- **Set Screws:** Headless, threaded fasteners (grub screws) used to secure an object against another. [