You said: WASER BOLT

Assuming you mean a **washer and bolt assembly**, these hardware components are used together to distribute load, prevent surface damage, and stop fasteners from loosening over time. [1]

Types of Washers Used with Bolts

- **Flat Washers**: Smooth, circular discs that spread out the clamping force of the bolt head over a larger surface area to protect soft materials from crushing. [1, 2]
- **Lock Washers**: Split or tooth-designed rings that provide spring tension or friction to stop the bolt from backing out due to vibrations. [1, 2, 3, 4, 5]
- **Flange Bolts**: A specific type of bolt where a wide, washer-like base is forged directly onto the bolt head, removing the need for a separate piece. [1, 2, 3, 4]

The Correct Assembly Order

When using a complete nut, bolt, and washer set (such as BMOSESE High Tensile Kits), follow this stacking order to ensure maximum joint strength: [1, 2]

1. **Bolt Head**
2. **Split Lock Washer** (Optional: stays closest to the turning pressure)
3. **Flat Washer** (Protects the top surface)
4. **The Material / Joint**
5. **Second Flat Washer** (Protects the bottom surface where the nut meets)
6.