

# SAPS Dualie Anchor®: Installation and Sizing Protocol

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## I. Installation Process (Formwork Affixing)

The Dualie Anchor® is a dual-head structural anchor (5,000 lbs load capacity in each direction). It must be secured to formwork prior to the concrete pour.

- **Preparation (Greasing):** Prior to placement, apply **lithium white grease** to the CP-2 Coil Setting Plug. The **Whisker Set Plug** must also be greased for clean extraction.
- **Affixing to Formwork:**
  - **Wood/Plywood:** Secure the pre-drilled CP-2 Coil Setting Plug head to the substrate using nails or screws.
  - **Metal Decking:** Use the **MB CP-2 Magnetic Coil Setting Plug**.
  - **Fiberglass:** Secure using a cross-section of rebar and heavy-duty tie-wire.
- **Assembly Adjustment:** Thread the lower head of the Dualie Anchor into the assembly until "flush out" is achieved.
- **Upper Head Protection:** Insert the greased Whisker Set Plug into the upper head of the anchor (which features a center female-threaded front face).

## II. Calculation for Slab Thickness

To determine the correct anchor size, subtract the thickness of the plug heads from the total slab depth. Both the CP-2 Plug head and the Whisker Set Plug head are 3/4" thick (1-1/2" total).

**Formula:** Total Slab Thickness - 1.5" = Required Dualie Anchor Size

*Example:* For an 8" thick slab: 8" - 1.5" = 6.5" Required Anchor Size.

## III. Compliance & Safety Summary

| Requirement            | Specification                       |
|------------------------|-------------------------------------|
| Load Rating            | 5,000 lbs per direction (Dual Head) |
| Plug Thickness (Total) | 1-1/2" (2 x 3/4" heads)             |

|                     |                      |
|---------------------|----------------------|
| Geometry Standard   | SAPS Geometry 8-0-8™ |
| Leading Edge Offset | Exactly 8'-00"       |

**Critical Safety Reminder:** All SAPS components must be installed under the direction of a qualified person. Verify all calculations against project-specific slab thickness before installation.