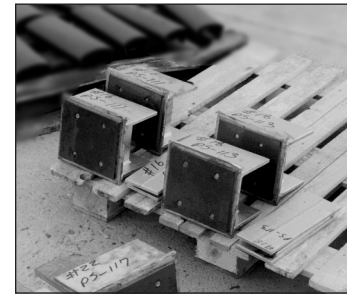
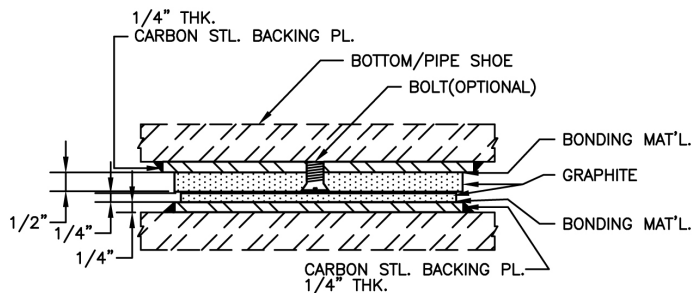


GRAPHITE SLIDE PLATE



ASSEMBLY:

Standard Assembly: 2 units of graphite bonded to $\frac{1}{4}$ " carbon steel. For field welding, $\frac{1}{4}$ " lip. Loads to 2,000 PSI, temperature: 1,000 °F air, 3,000 °F inert.

Full Weld Assembly: 2 units of graphite bonded to indicated backing material with $\frac{1}{2}$ " lip all around for full welding. Loads to 2,000 PSI, temperature: 1,000 °F air, 3,000 °F inert.

PART # -- PTP -- GRAPHITE ($\frac{1}{2}$ " OR $\frac{1}{4}$ ") -- $\frac{1}{4}$ " CS -- $\frac{1}{4}$ " LIP AND SIZE

ADVANTAGES:

- High operating temperature.
- Ease of installation.
- No setting problems.
- Low coefficient of friction.
- No surface treatments, grouting, or expensive mechanical attachment necessary.
- Chemically inert.
- Unaffected by weather conditions.

APPLICATIONS:

Bridges: Highway bridges, overpasses, railroad bridges.

Architectural in Wood, Concrete or Steel: Cross beam and girder slip joints, roof slabs and corbels, vibration pads, airport hangar doors, domes.

Industrial: Heat exchangers, dust collectors, heavy machinery, refinery equipment, wind tunnels, penstocks, vessels, pipelines, air preheaters, atomic energy applications, transmission towers, storage tanks, offshore drilling rigs.

ORDERING:

1. Please specify the dimensions of the upper plate and dimensions of the lower plate. It is common practice that the upper plate is generally larger than the lower plate.
2. Specify lip dimension (if different than standard $\frac{1}{2}$ ").
3. Specify base plate thickness (if different than standard $\frac{1}{4}$ ").
4. Bolting upper plate is recommended at temperatures above 200 °F.

INSTALLATION:

Prior to Welding: Locate the slide plate base in the appropriate position on the existing steel surface. Place a protective covering on the graphite. Where seal welding is not required, follow the diagram shown which indicates $\frac{1}{8}$ " thick fillet weld, 1" long every 4" around entire perimeter of the base. For welding, use GMAW 0.035 wire or SMAW $\frac{3}{32}$ " stick.

Where full seal welding is required, use a similar pattern of welding until a full weld is obtained. This method will prevent damage to the graphite (A full weld will help prevent seepage of water between the slide bearing plate and the support structure.). **Avoid overheating, which may destroy the bonding of the graphite to the base plate.**

Installing in Concrete: Secure the top and bottom elements together with paper adhesive tape. Then attach the bottom element anchor bolts with wire to the form. After the bottom pour is made, repeat on top element. During the first expansive cycle, the tape will break.