**Installation**

**Step 1**
Inspect existing drain pipe and make sure there are no cracks or signs of potential failure. Using asphalt scraper and wire brush that attaches to T-handle, clean existing drain line of asphalt, loose debris and moisture.

**Step 2**
Make sure the difference between the outside of the Proliner outlet and the inside diameter of the existing drain line is not greater than 3/8". Apply Proliner sealant to Proliner outlet and existing drain leader. Apply an extra amount to top inside of existing drain pipe. Spread sealant evenly around whole outlet; minimum 5" of lower portion. Remove the protective foam core from the outlet of the Proliner insert.

**Step 3**
Insert Proliner drain into existing drain. Mechanically secure flange to roof assembly through to deck. When size of existing drain bowl calls for a funnel drain, bolt re-roofing membrane requires a clamping ring, use Proliner Straight with clamping ring option and provide support for the flange; i.e. use 1/2" treated plywood, rigid insulation with high compressive value, or fill bowl with spray polyurethane foam.

**Step 4**
Select proper sized expansion head for the Proliner tool using instructions in kit. Inset photo shows Proliner Expander Tool Kit consisting of:
- Proliner Expander Tool
- 3" and 4" Expansion Heads (1.5", 5", 6" Expansion Heads available as an option)

**Step 5**
Expand Proliner outlet 3" or more from copper flange and only when it is supported by existing drain pipe. Turn handle of Proliner Expander Tool clockwise to expand the head outlet. Use approximately 12 half-turns for 3" and 4" diameter drains and 6 half-turns for 5" and 6" diameter drains.

**Step 6**
Upon completion of installation, feel and visually check the inside of the drain outlet to make sure it has been sufficiently expanded. Then, fasten the flange to the membrane according to the instructions of the roofing system manufacturer. When clamping ring is used, hand tighten bolts using 7/16" (11mm) wrench. Secure strainer with the 3 bolts supplied.

**Warranty**
Marathon products are inspected and warranted. Any product proven to be defective within 1 year of installation will be replaced or cost price refunded, at the Company's option, excluding the following:
- Damage caused in transit
- Coatings, adhesives and cements not applied in factory
- Failure caused by other than drain usage from a roof, i.e. damage by workman, falling objects, caustic and acidic conditions.