The Kleen Break system is available, depending on the application, in Ground Mount and Surface Mount Assemblies. The Kleen Break system provides flush mounting so that after an impact, the bottom portion will remain flush with the surface to prevent tripping hazard(s) to pedestrians. When properly installed, the Kleen Break assembly supports the sign and post at 100% of the strength of the post for windloading, yet breaks away per NCHRP 350 criteria when impacted.

- Allows for 360° indexing for proper sign orientation after anchoring half is permanently set
- All components are reusable with the exception of the shear bolt, which must be replaced after each impact
- Reuse of rubber bushing and locking wedge is determined by their condition after impact
- Accepts 1¾” & 2” square posts

**Kleen Break Breakaway Assemblies**

**Kleen Break Surface Mount**

NCHRP 350 Tested, FHWA Accepted (SS-131)

**Kleen Break Ground Mount**

NCHRP 350 Tested, FHWA Accepted (SS-131)

**Slip Bases**

Slip Base Assemblies “break away” on impact, therefore reducing damage to the vehicle and its occupants. It’s easy to install into the anchor: simply insert the bottom half of the slip base down into the anchor and secure with shoulder bolts. Then, insert the sign post into the top half receiver of the slip base and secure with shoulder bolts.

Upon impact, the top half of the slip base separates from the bottom half and in most instances the post sustains little or no damage. The slip base assembly can be used over and over again reducing waste and costs.

**Triangular Multi-Directional Slip Base**

**Match Plate Hardware Kit**

PASB8-HDW : Size : 8”

**Slip Base Hardware Kit includes:**

- **PARGT-8**
  - 8” Teflon Retainer Gasket
- **HFW50-138-Z**
  - ½” Flat Washer
- **HFG8FB50-275-Z**
  - ½” X 2 ⅜” Gr. 8 Flange Bolt
- **HFG8FN50-Z**
  - ½” Gr. 8 Flange Nut
- **HRBSS50-50**
  - ½” Stainless Release Bushing

**Hardware included with each Slip Base Assembly:**

- Shoulder Bolts
- Nuts

**Slip Base Assemblies**

Slip Base Assemblies include:

- **PSTSSB8XT-2525-G**
  - 8” Slip Base Assembly for 3” Anchor & 2.5” Post

**Bottom Half**

**Top Half**

**Kleen Break**

Kleen Break System

The Kleen Break system is designed around the shear bolt assembly which connects the base to the anchor. The shear bolt allows the post and base to break away from the anchor on impact with minimal damage to the post. The result is an inexpensive replacement bolt and a reusable post, base and anchor.

**Kleen Break Shear Bolt Wrench**

PAXBBW-1516

**Shear Bolt Assembly**

**Slip Base Hardware Kit includes:**

- Shoulder Bolts
- Nuts

**Bottom half with shoulder bolts**

**Top half with shoulder bolts**

**Slip Base Hardware Kit includes:**

- **TRI-8**
  - 8” Teflon Retainer Gasket
- **HFW50-138-Z**
  - ½” Flat Washer
- **HFG8FB50-275-Z**
  - ½” X 2 ⅜” Gr. 8 Flange Bolt
- **HFG8FN50-Z**
  - ½” Gr. 8 Flange Nut
- **HRBSS50-50**
  - ½” Stainless Release Bushing

**Hardware included with each Slip Base Assembly:**

- Shoulder Bolts
- Nuts

**Bottom half with shoulder bolts**

**Top half with shoulder bolts**