



Tooth Company

***Fits Your Existing BACKHOE SHANKS!***

- Converts your side pin shank to an easy, top locking system!
- NO More Flexpin® Hassles!

*Fits: •Case •John Deere •JCB  
•All Will-Fit Copies of the Original H&L 230 Adapter*

**Starter Kits**

Starter kits include five teeth, Klips® and inserts.

Also available in **Teeth Only Kits** consisting of five teeth.

***NEW! Backhoe Tooth Starter Kits!***



6 1/8"



**233SP**  
Sharp Penetration Tooth  
3.6#

#KIT233SP



6 1/2"



**233ST9**  
Star Tiger Tooth  
3.4#

#KIT233ST9



6 1/2"



**233TT7**  
Twin Tiger Tooth  
3.4#

#KIT233TT7

***All In Stock***



6 1/8"



**233TF**  
Fangs Tooth  
4.4#

#KIT233TF



6 1/8"



**233F**  
Flared Tooth  
5.0#

#KIT233F



7"



**233TR3**  
Triple Tiger Tooth  
4.6#

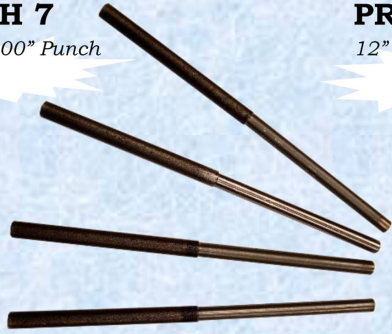
#KIT233TR3



## REMOVER TOOLS

### PUNCH 7

1/4" x 7.00" Punch



### PRYBAR #12

12" Long Prying Bar



### PRYBAR #8

8" Long Prying Bar



### RATCHET 31

Ratchet with 5/16" Adapter Extension

*Work Safely!  
As always, safety glasses  
and gloves are recommended.*

## © H&L Tooth Company 2015 HEAVY DUTY KIT233HD CONVERSION High Heat Hammerless Kit Hardware for all 233 Series Teeth

Kit includes:

- 5 - 233PN Threaded Steel Klips
- 5 - 233BT Pilot Bolts, 5/8"
- 1 - 233AW Allen Wrench, 5/16"

### 5 - 233PN

Threaded Steel Klips



### 1 - 233AW

5/16" Allen Wrench



### 5 - 233BT

5/8" x 1.00" Threaded Bolts



## NO TOOL INSTALLATION

### INSTALLATION INSTRUCTIONS

- 1 Slide the 233CERT into the adapter nose hole. (CERT is reversible)
- 2 Slide Tooth UP adapter & OVER until LUG is in the shank hole.
- 3 Install the Klip from the top, down through the GAP in the tooth.
- 4 Seat the Klip *flush* with the top of the tooth.



**NO SPECIAL TOOLS REQUIRED**

Wear OSHA approved safety equipment including eye protection during G.E.T. maintenance.

### REMOVAL INSTRUCTIONS

- 1 Remove dirt from connection.
- 2 Twist standard Pry bar under Klip head.
- 3 Rotate the Pry bar to the rear of the Klip and lift forward.
- 4 Remove dirt. Clean Adapter.

**ALTERNATE KLIP REMOVAL PROCESS:**  
Curl bucket to expose hole on bottom of tooth. With a 1/4" diameter punch, insert and force the Klip upward.

Wear OSHA approved safety equipment including eye protection during G.E.T. maintenance.

## HEAVY DUTY CONNECTION

### THREADED INSTALLATION INSTRUCTIONS

- 1 Slide tooth UP adapter & OVER until LUG is in the shank hole.
- 2 Install the *Threaded Klip* from the top, down through the GAP in the tooth.
- 3 Seat the Klip *flush* with the top of the tooth.
- 4 Insert the 233BT bolt through the side hole in the tooth, tighten into the Klip.



**HAMMERLESS TOOTH SYSTEM**

Wear OSHA approved safety equipment including eye protection during G.E.T. maintenance.

### THREADED BOLT REMOVAL INSTRUCTIONS

- 1 Remove dirt from connection.
- 2 With a 5/16" Allen Wrench unlock and remove the 233BT bolt.
- 3 Rotate the pry bar to the rear of the Klip and lift forward for a hammerless removal.
- 4 Curl bucket to expose hole on bottom of tooth. With a 1/4" diameter punch, insert and force the Klip upward.

Clean the Klip head and the area around the bolt.

OR