

[www.hltooth.com](http://www.hltooth.com)



# Tooth Company Ground Engaging Tools

**H&L® ORIGINAL OEM Wear Parts**

*Designed and Produced for:*

**•Cat® •Case® •Deere® •JCB® •New Holland® and Others**

**Forged  
Original  
230SP  
since  
1957**



**Top Pin  
233SP  
Tooth**



*233 Kliploc® Series*

**Forged  
201RE2D  
Tooth**



*RhombicGETsystems®*

**Quality  
GET since  
1931**

**Triple Tiger®  
for  
all  
23  
Series  
Adapters**



**H&L® Style  
Flexpin®**



**Trencher  
Tap-On  
Style  
Teeth**



**230 and 201 Lip  
Conversion**



**H&L®  
Original  
Forged  
and  
Cast  
230ST**



**H&L®  
1 3/4SP  
Style  
Scarifiers**



**Fabricated  
Style  
Teeth**



**Scarifier  
and  
Ripper  
Products**



**DeltaWing®  
Lip  
Saver  
23  
Series  
Teeth**



**H&L®  
Backhoe  
and  
Excavator  
Buckets**



**Bolt-On  
Style  
Adapters**



**Backhoe  
and  
Back-Up  
Rippers**



## 1-800-HL TOOTH

®Is a registered trademark of the respectively named Company.  
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# Home of the H&L Tooth Company, Tulsa Oklahoma



200,000 square foot  
manufacturing facility  
for **QUALITY FORGED**  
**WEAR PARTS**

1-800-HL TOOTH (1-800-458-6684) • Visit us at [www.hltooth.com](http://www.hltooth.com)

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Offered 195, 205, 315, 325 and 335 series teeth, adapters and attaching Flexpins®.

**23**

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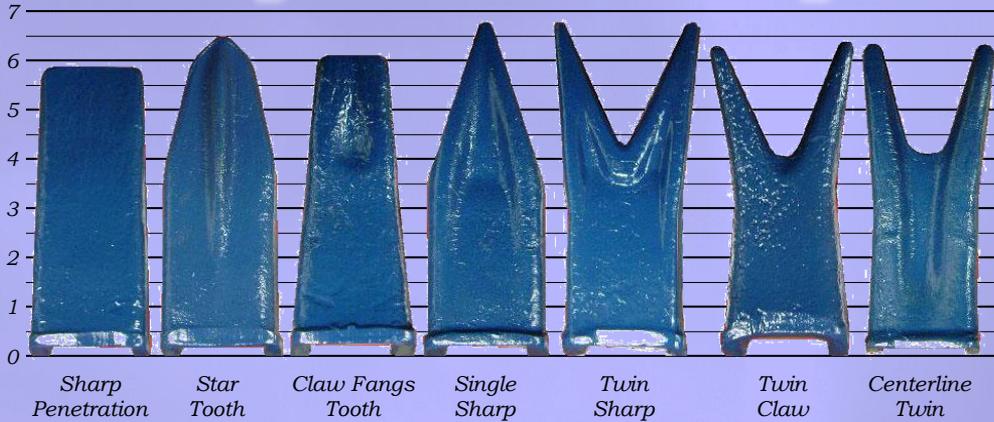
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# 230 Series Backhoe Teeth

*230 Series, the Most Popular Tooth in the World!*

## Forged 230 Series Line-up!



**STILL  
FORGED IN  
THE USA!**

**Manufactured  
Under Original  
H&L® Patent  
Specifications!**

### 230SP

2.6#

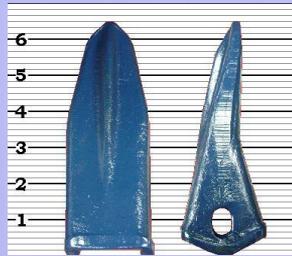


#### Sharp Penetration

- Unforged from tough Chrom-Moly aircraft grade steels.
- Hardened and tempered for optimum ductility!

### 230ST

2.8#

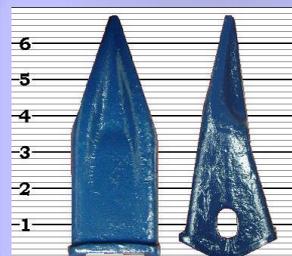


#### Star Ripping Design

- Self-Sharpening design.
- Unforged from tough Chrom-Moly aircraft grade steels.

### 230T9

2.5#

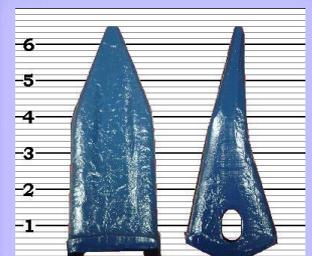


#### Single Sharp Design

- 20% Heavier than Hensley casting! Unforged for exceptional strength.

### 230T

2.7#



#### Single Sharp Design

- Unforged from tough Chrom-Moly aircraft grade steels.

### 230TT7

3.2#



#### Twin Sharp Design

- 20% Heavier than Hensley casting! Unforged for exceptional strength.

### 230CTT

2.8#

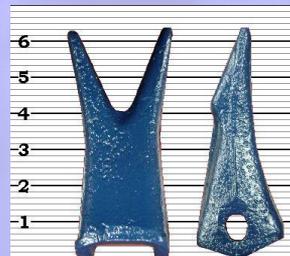


#### Centerline Twin Design

- Heavier tines enhances reliability.

### 230TTCLAW

3.2#

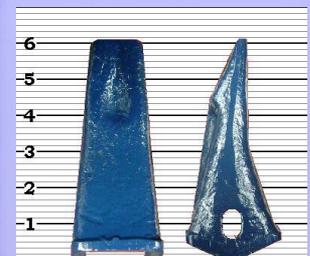


#### Twin Fangs Design

- "A unique curved design that lets the bucket dig with 23% less effort". The CLAW'S aggressive digging action delivers faster cycles and better bucket fill!

### 230CLAW

2.9#



#### Claw Fangs Design

- "A unique curved design that lets the bucket dig with 23% less effort". The CLAW'S aggressive digging action delivers faster cycles and better bucket fill!

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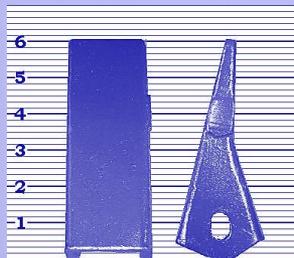
# 230 Series Backhoe Teeth

## Value-Cast 230 Series Line-up!



©H&L Tooth Company 2018

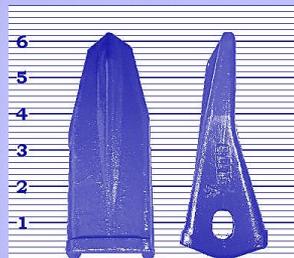
### 230CSP 2.7#



#### Cast Sharp Penetration

●H&L Factory Inspected for QUALITY.

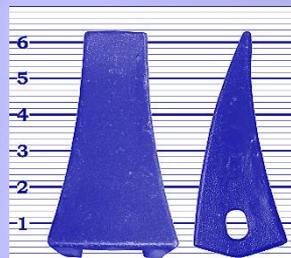
### 230CST 2.6#



#### Cast Star Ripping Design

●H&L Factory Inspected for QUALITY.

### 230TF 3.9#



#### Cast Fangs Design

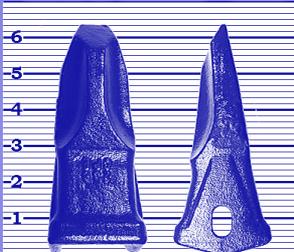
●H&L Factory Inspected for QUALITY.

## WARRANTY

All H&L® Value-Cast products are factory inspected and covered under H&L's standard warranty program.

H&L® cast products are made from Chrom-Moly-Nickel steel alloy.

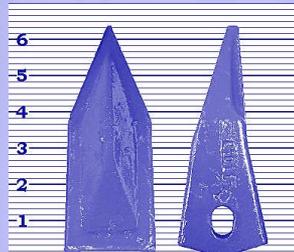
### 230CPE 2.6#



#### Cast Rock Penetrator Design

●H&L Factory Inspected for QUALITY.

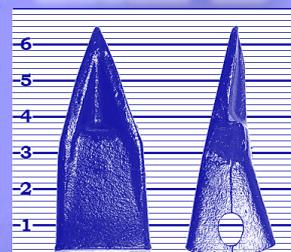
### 230THD 3.1#



#### Cast Single Sharp Design

●H&L Factory Inspected for QUALITY.

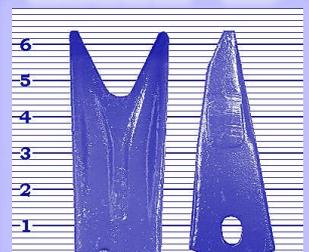
### 230TL 2.1#



#### Cast Long Single Sharp Design

●H&L Factory Inspected for QUALITY.

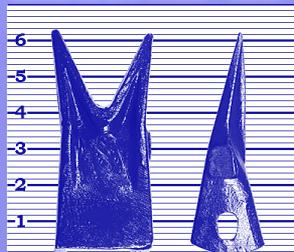
### 230TW 3.9#



#### Cast Twin Sharp Design

●H&L Factory Inspected for QUALITY.

### 230WTL 2.1#



#### Cast Long Twin Sharp Design

●H&L Factory Inspected for QUALITY.

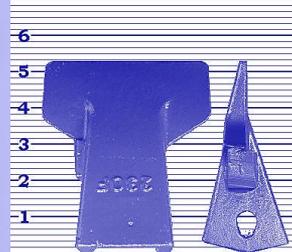
### 230TR3 4.5#



#### Cast Triple Tiger® Design

●H&L Factory Inspected for QUALITY.

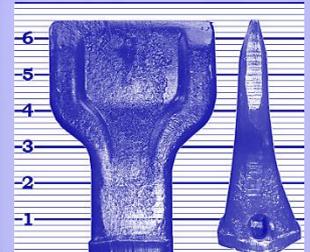
### 230CF 3.5#



#### Cast Flared Tooth

●H&L Factory Inspected for QUALITY.

### 230CHF 4.0#



#### Cast Heavy Duty Flared

●H&L Factory Inspected for QUALITY.

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# 230 Series DeltaWing® Lip Saving Teeth

**DeltaWing™ teeth**

- Wear Protection!
- Greater Penetration
- Increased Bucket Capacity!

*Worn Teeth with secondary Flexpin locks!*

**H&L® Patented Lip Saver Tooth Systems!**

*Fits all 23 series adapters!*

*Protects your Case®, Deere®, DitchWitch®, JCB®, New Holland® and other buckets.*

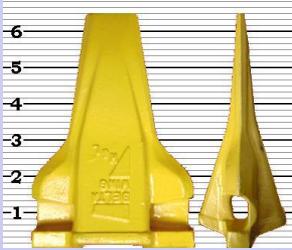


*Increased bucket capacity!*



*No more wear scalloping!*

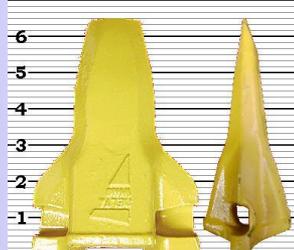
**230SP-5 3.2#**



**Sharp Penetration Lip Saver Teeth**

•H&L Factory Inspected for QUALITY.

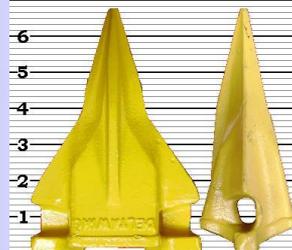
**230HD-5 3.8#**



**Heavy Duty Lip Saver Teeth**

•H&L Factory Inspected for QUALITY.

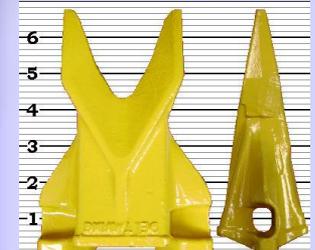
**230T9-5 3.5#**



**Single Tiger Lip Saver Teeth**

•H&L Factory Inspected for QUALITY.

**230TT7-5 4.7#**



**Twin Tiger Lip Saver Teeth**

•H&L Factory Inspected for QUALITY.

All H&L Products are WARRANTED against premature breakage!

## 23 Fabricated Tooth

**STILL FABRICATED IN THE USA!**

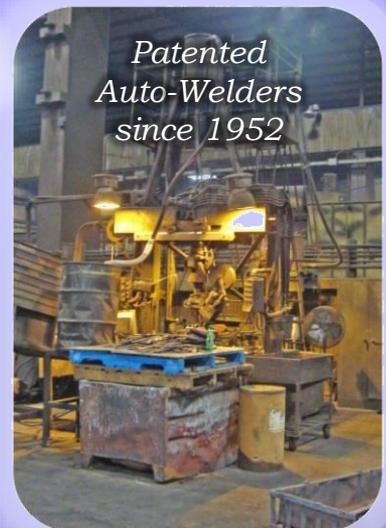
**Manufactured under original H&L® patents since 1931!**

**23SP 2.0#**



**Sharp Penetration Fab Teeth**

*Patented Auto-Welders since 1952*



**1-800-HL TOOTH**

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# 23/230 Series Weld-On & Bolt-On Adapters

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## WELD-ON Mini Excavator Bottom Mount "1CW" Adapters



**D-925-23**  
Up to 1.00" Lip



**D-834-23**  
Up to 1.00" Lip

## WELD-ON Backhoe Wrap Around "1W" Adapters

"Deep Dig" Center



**2740-MW-23**  
0.62" to 0.88" Lip



**2740-AW-23**  
0.62" to 0.88" Lip



**2740-W-23**  
1.00" Lip

Case "Deep Dig" Center and Corner

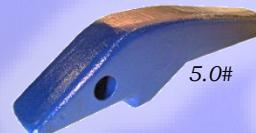


**2740-ZW-23**  
1.00" Lip

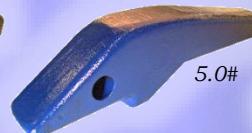


**2740-AFW-23**  
1.00" Lip

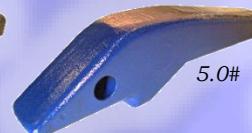
## WELD-ON Flush Mount "1BW" Adapters



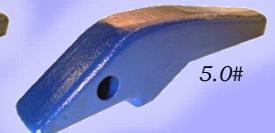
**L-4107-AJW-23**  
0.50" Lip



**L-4107-GW-23**  
0.75" Lip



**L-4107-AEW-23**  
0.88" Lip



**L-4107-ARW-23**  
1.00" Lip

## MOST POPULAR BOLT-ON Loader Adapters

H&L has designed many hundreds of Loader Adapters over the last eight decades. Give us a call with your specific dimensions.



Typical Adapter

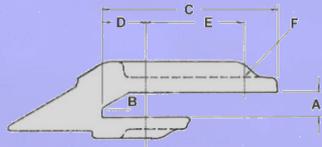


L-3445 series Adapter

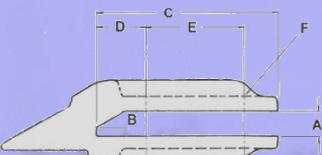


L-3445-D-23 Adapter

### Dimensional Review



#1 Bolt-on Style Adapter



#1A Bolt-on Style Adapter

Adapter #	WT.	A	B	C	D	E	F	Style
<b>L-4139-A-23</b>	7.0#	0.50"	45°	6.25"	1.25"	3.00"	0.69"	1
<b>L-3445-A-23</b>	6.3#	0.62"	23°	5.88"	1.75"	3.00"	0.69"	1
<b>L-4006-23</b>	6.0#	0.75"	30°	6.25"	1.75"	3.00"	0.56"	1
<b>L-4031-23</b>	6.0#	0.75"	25°	6.50"	2.00"	3.00"	0.69"	1
<b>L-3445-23</b>	5.5#	0.75"	23°	6.50"	2.25"	3.00"	0.69"	1
<b>L-3445-D-23</b>	10.5#	0.75"	23°	6.12"	2.25"	3.00"	0.69"	1A
<b>L-4193-23</b>	5.0#	1.00"	30°	6.50"	2.00"	3.25"	0.69"	1
<b>L-4275-23</b>	5.0#	1.00"	23°	5.62"	2.44"	2.00"	0.56"	1

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# 23/230 Series Flexpins®

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## The Original 23FP Flexpin®

All Series Flexpins are built with sharp ends to ease installation!

## 23DLFP Dual Lock Flexpin®

More locking powers for worn adapter installations!

## 230DFP DeltaWing Flexpin®

Ideal for Fangs, Tridents and Deltawing® teeth and worn assemblies requiring **LONGER** pins!

BACK Halves of Flexpin towards Bucket



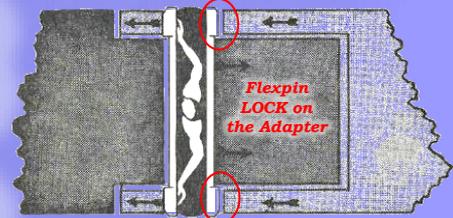
2.12"



2.53"



Art work published in 1952



The H&L Flexpin® consists of two half-round lengths of steel with a section of live rubber vulcanized between to form an oval shaped pin. The compressed rubber forces the Flexpin® half-round section in opposite directions. One half-round section bears on the nosepiece and the other bears only at each side of the tooth point to hold it securely on the adapter. See webpage for all Flexpin updates and dimensions T163.2016.

# 230 SERIES PIN CADDY®

Installation and Remover Tool

## B23HL1 Patented Tool for ALL 230-Series Teeth

Consists of  
1-B23HL Tool  
5-23FP Flexpins



Pin Caddy™  
Holds a  
Complete Set  
of Flexpins®



**REMOVE IT  
FASTER!**



Flexpin®  
Installation



Flexpin®  
Removal



**FREE Flexpins**

United States and foreign Patents

**1-800-HL TOOTH**

# 230 Series Tooth KITS

©H&L Tooth Company 2018

**KIT230SP** 18.0#

Consists of 5-230SP,  
5-23FP Flexpins & 1-Tool

**KIT230ST** 19.0#

Consists of 5-230ST,  
5-23FP Flexpins & 1-Tool

**KIT230CTT** 19.0#

Consists of 5-230CTT,  
5-23FP Flexpins & 1-Tool

**KIT230CLAW** 19.5#

Consists of 5-230CLAW,  
5-230DFP Flexpins & 1-Tool

**STILL  
FORGED IN  
THE USA!**

**Manufactured  
under original  
H&L® patents!**

**KIT230T9** 18.0#

Consists of 5-230T9,  
5-23FP Flexpins & 1-Tool

**KIT230TT7** 20.0#

Consists of 5-230TT7,  
5-23FP Flexpins & 1-Tool

**KIT230TTCLAW** 19.0#

Consists of 5-230TTCLAW,  
5-230DFP Flexpins & 1-Tool

**KIT230CSP** 18.0#

Consists of 5-230CSP,  
5-23FP Flexpins & 1-Tool

**KIT230CST** 18.0#

Consists of 5-230CST,  
5-23FP Flexpins & 1-Tool

**KIT230TW** 21.5#

Consists of 5-230TW,  
5-23FP Flexpins & 1-Tool

**KIT230TF** 21.5#

Consists of 5-230TF,  
5-230DFP Flexpins & 1-Tool

**KIT230THD** 19.0#

Consists of 5-230THD,  
5-23FP Flexpins & 1-Tool

**KIT230CF** 21.5#

Consists of 5-230CF,  
5-23FP Flexpins & 1-Tool

**KIT230CHF** 22.0#

Consists of 5-230CHF,  
5-230DFP Flexpins & 1-Tool

**KIT230TR3** 24.0#

Consists of 5-230TR3,  
5-230DFP Flexpins & 1-Tool

**The most popular tooth in the World!**

[www.hltooth.com](http://www.hltooth.com)

# DeltaWing® TOOTH KITS

©H&L Tooth Company 2018

## H&L® Patented Lip Saver Tooth Systems!

**KIT230HD-5** 21.5#



Consists of 5-230HD5, 5-230FP Flexpins & 1-Tool

**KIT230SP-5** 19.0#



Consists of 5-230SP-5, 5-230FP Flexpins & 1-Tool

**KIT230TT7-5** 24.0#



Consists of 5-230TT7-5, 5-230FP Flexpins & 1-Tool

**KIT230T9-5** 21.5#



Consists of 5-230T9-5, 5-230FP Flexpins & 1-Tool

Protects your Case®, Deere®, DitchWitch®, JCB®, New Holland® and other buckets.

## 233 Series Top Pinning Kliploc®

**Hammerless 233**  
an easy Top  
Locking System

Direct Replacement for  
Flexpin Style Teeth

Magically Converts Sidepin to Top Pin!



Only from the H&L Tooth Company, GET since 1931



ISO 9001 CERTIFIED Company

Fits All Existing 230 Series Adapters!

Search 233 on H&L webpage!

**KIT233SP** 22.0#



Consists of 5-233SP, 5-233CLP, 5-233Inserts & 1-Punch

**KIT233T9** 19.1#



Consists of 5-233T9, 5-233CLP, 5-233Inserts & 1-Punch

**KIT233TT7** 21.6#



Consists of 5-233TT7, 5-233CLP, 5-233Inserts & 1-Punch

**Fits Your Existing BACKHOE SHANKS!**

Case®, Deere®, JCB® and Other Backhoe Shanks!

No more "pin walking"! No more difficult side pin removal! No more special installation tools! No more front/back issues!

**KIT233TF** 26.0#



Consists of 5-233TF, 5-233CLP, 5-233Inserts & 1-Punch

**KIT233TR3** 26.0#



Consists of 5-233TR3, 5-233CLP, 5-233Inserts & 1-Punch

**KIT233F** 26.0#



Consists of 5-233F, 5-233CLP, 5-233Inserts & 1-Punch



No more smashed finger injuries!

Manufactured under United States and foreign Patents

1-800-HL TOOTH

# Fabricated CRIMP-ON Series Teeth and Adapters

For Fabricated 23 Series see page 5.

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**OSP**  
0.3#



Sharp Penetration  
Fab Teeth

D-838-0 Adapter 0.5#



D-836-0 Adapter  
0.4#

G-669-0 Scarifier 1.1#



**OOSP**  
0.5#



Sharp Penetration  
Fab Teeth



2898-W-00 Adapter  
1.0#



D-872-00 Adapter  
1.1#

## “OSP” Tooth System

## “OOSP” Tooth System

**2AH**  
0.9#



Sharp Penetration  
Fab Teeth



D-835-2A Adapter  
2.0#



D-862-2A Adapter  
1.6#



L-2520-BW-2A Adapter  
1.9#

## “2AH” Tooth and Adapter System

**3CHLR**  
1.8#



Sharp Penetration  
Fab Teeth

**3CHW**  
2.4#

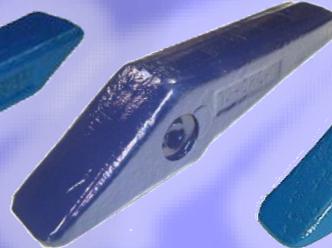


Limited  
Quantity

Wide Flared Fab  
Teeth



D-834-3C Adapter  
3.0#



D-925-3C Adapter  
3.5#



2740-JW-3C Adapter  
3.0#

## “3CH” Tooth and Adapter System

**1 3/4SP**  
1.03#



Sharp Penetration  
Fab Teeth

H&L Tooth offers a variety of scarifiers,  
search our webpage or call Customer Service.



G-163-BW-3/4 Shank  
8.0#

G-163-HW-3/4 Shank  
8.0#

G-163-CD-3/4 Shank  
8.0#

## “1 3/4SP” Tooth and Scarifier System

# 240 Series Teeth, Adapters and Flexpins®

©H&L Tooth Company 2018

## 24 and 240 Series Teeth



### WELD-ON Backhoe "1CW" & "1W" Adapters



### The Original 24FP Flexpin®

All Series Flexpins are built with sharp ends to ease installation!



The H&L® Flexpin® consists of two half-round lengths of steel with a section of live rubber vulcanized between to form an oval shaped pin. The compressed rubber forces the Flexpin® half-round section in opposite directions. See webpage for all Flexpin® updates and dimensions T163.2016.

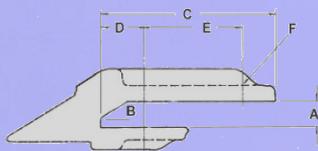
## MOST POPULAR 240 Series BOLT-ON Adapters

H&L Tooth offers a variety of 240 series adapters. Search our webpage or call Customer Service.



### Dimensional Review

H&L® has designed many hundreds of Loader Adapters over the last eight decades. Give us a call with your specific dimensions.



Typical Dimensions

Adapter #	WT.	A	B	C	D	E	F	Style
L-3445-D-24	6.5#	0.75"	23°	6.12"	2.25"	3.00"	0.69"	#3445
L-4252-24	9.0#	0.75"	22°	7.60"	2.48"	4.33"	0.81"	#1
L-3679-A-24	15.0#	1.00"	23°	7.75"	2.78"	3.75"	0.81"	#3679
L-3679-24	18.0#	1.00"	23°	7.85"	2.85"	3.75"	0.81"	#1A-COR
L-4108-BF-24	7.5#	1.00"	23°	7.00"	2.46"	3.50"	0.69"	#1B
L-4191-24	9.0#	1.00"	30°	7.62"	2.00"	4.62"	0.69"	#1
L-4128-24	8.5#	1.00"	30°	7.25"	2.50"	3.50"	0.69"	#1
L-4202-24	8.5#	1.25"	30°	7.25"	2.50"	3.50"	0.69"	#1
L-2021F-24	10.5#	1.25"	25°	7.38"	3.38"	3.00"	0.69"	#2021

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All manufacturer's names, numbers, symbols and descriptions are used for reference purposes only.

# 252 Series Teeth, Adapters and Flexpins®

©H&L Tooth Company 2018

## 252 Series Teeth



### WELD-ON Backhoe "1CW" & "1W" Adapters



"1CW" Bottom Mount

"1W" Wrap Around

### H&L® 25-26FP Flexpin®

All Series Flexpins are built with sharp ends to ease installation!



The H&L® Flexpin® consists of two half-round lengths of steel with a section of live rubber vulcanized between to form an oval shaped pin. The compressed rubber forces the Flexpin® half-round section in opposite directions  
See webpage for all Flexpin updates and dimensions T163.2016.

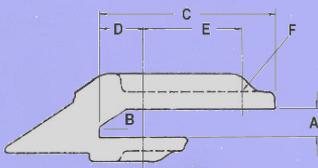
H&L Tooth offers a variety of 252 series adapters. Search our webpage or call Customer Service.

## MOST POPULAR BOLT-ON Adapters



### Dimensional Review

H&L® has designed many hundreds of Loader Adapters over the last eight decades. Give us a call with your specific dimensions.



Typical Dimensions

Adapter #	WT.	A	B	C	D	E	F	Style
L-3637-A-25	25.5#	1.00"	23°	7.75"	2.78"	3.75"	0.81"	#3679
L-3637-25	20.0#	1.00"	23°	7.75"	2.78"	3.75"	0.81"	#1A-COR
L-3679-A-25	25.0#	1.00"	23°	7.75"	2.78"	3.75"	1.06"	#3679
L-3679-25	20.0#	1.00"	23°	7.75"	2.78"	3.75"	1.06"	#1A-COR
L-4052-25	12.0#	1.00"	30°	8.25"	2.12"	3.62"	0.69"	#1
L-4272-A-25	16.0#	1.25"	28°	7.25"	2.53"	3.50"	0.81"	#4272
L-3623-B-25	16.0#	1.25"	30°	7.00"	2.50"	3.50"	0.81"	#1A-COR
L-4279-25	25.0#	1.25"	30°	8.88"	3.50"	4.00"	0.81"	#1A
L-4194-25	10.0#	1.38"	23°	8.38"	3.38"	4.00"	0.81"	#1

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# 272 Series Teeth, Adapters and Flexpins®

©H&L Tooth Company 2018

## 272 Series Teeth

**272SP**

8.5#



FORGED in the USA!

**272ST**

9.3#



FORGED in the USA!

## WELD-ON Backhoe

### “1CW”, “1W” & “1BW” Adapters

**3000-W-27**

1.88” Lip  
13.0#



“1CW” Bottom Mount

**2740-FW-27**

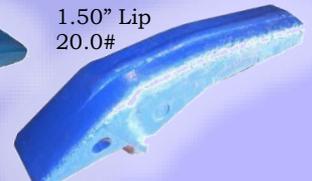
1.50” Lip  
11.0#



“1W” Wrap Around

**L-4095-AW-27**

1.50” Lip  
20.0#



“1BW” Flush Mount

## H&L® 20-27FP Flexpin®

All Series Flexpins are built with sharp ends to ease installation!



The H&L® Flexpin® consists of two half-round lengths of steel with a section of live rubber vulcanized between to form an oval shaped pin. The compressed rubber forces the Flexpin® half-round section in opposite directions. See webpage for all Flexpin updates and dimensions T163.2016.

H&L Tooth offers a variety of 272 series adapters. Search our webpage or call Customer Service.

# 20 and 31 Series Teeth, Adapters and Flexpins®

H&L Tooth offers a variety of 20 and 31 series adapters, most are custom and not stocked.

Search our webpage or call Customer Service.

H&L® 20 Series Teeth and Weld-On Adapters are made for 1.25” to 1.75” in lip thickness, since 1963.

**20SP**

11.0#



Limited Quantity

Sharp Penetration  
FORGED in the USA!

**20ST**

11.8#



Limited Quantity

Star Tooth  
FORGED in the USA!

**L-4092 Series**

25.0#



“1BW” Flush Mount

**3000-W-20**

18.0#



“1CW” Bottom Mount

**20-27FP**



H&L® 31 Series Teeth and Weld-On Adapters are made for 1.50” to 2.25” in lip thickness, since 1966.

**31SP**

20.2#



Limited Quantity

Sharp Penetration  
FORGED in the USA!

**31ST**

21.4#



Limited Quantity

Star Tooth  
FORGED in the USA!

**L-4093 Series**

40.0#



“1BW” Flush Mount

**3000-W-31**

28.0#



“1CW” Bottom Mount

**31FP**



# 1-800-HL TOOTH

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# 32 and 33 Series Teeth, Adapters and Flexpins®

H&L Tooth offers a variety of 32 and 33 series adapters, most are custom and not stocked.

Search our webpage or call Customer Service.

H&L 32 Series Teeth and Weld-On Adapters are made for 1.75" to 2.50" in lip thickness, since 1963.

## 32SP

29.6#



Limited Quantity

Sharp Penetration  
FORGED in the USA!

## L-4094 Series

50.0#



"1BW" Flush Mount

## 3000-W-32

48.0#



"1CW" Bottom Mount

## 32FP



H&L 33 Series Teeth and Weld-On Adapters are made for 2.25" to 3.00" in lip thickness, since 1963.

## 33SP

43.4#



Limited Quantity

Sharp Penetration  
FORGED in the USA!

## 33H

51.0#



Limited Quantity

Heavy Rock Tooth  
FORGED in the USA!

## L-4173 Series

92.0#



"1BW" Flush Mount

## 3000-W-33

54.0#



"1CW" Bottom Mount

## 33-35FP



# RhombicGETsystem® - 136, 186 and 201 e-series

Diagonally Pinned Tooth System for Mini-Excavators, Skid-Steers, Backhoes

## 136RE2D

0.8#



## 186RE2D

2.0#



## 201RE2D

3.0#



FORGED in the USA!

## 201RE4

2.8#



FORGED in the USA!

## 201RE9

2.8#



FORGED in the USA!

## 201RE7

2.8#



FORGED in the USA!

RhombicGETsystem® are not interchangeable with Caterpillar® DRS Series Teeth!

## Weld-On and Bolt-On Style Adapters for Smaller Min-Excavator Buckets

Mini-Excavator and Trenchers

### D-835-136e

up to 1.25" Lip



2.0#

### D-834-186e

up to 1.50" Lip



3.5#

### 136PN

Spiral Pin



### 186PN

Spiral Pin



Replacements for Uni-teeth

### L-3761-A-136e

Replaces 138-6410



0.38" Lip

2.0#

### L-3760-A-186e

Replaces 135-9390



0.62" Lip

4.8#

RhombicGETsystem® are manufactured under multiple United States and foreign PATENTS.

Skid-Steers and Backhoes

### 2740-ZW-201e

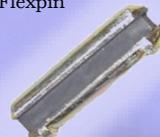


1.00" Lip

4.5#

### 230DFP

Flexpin

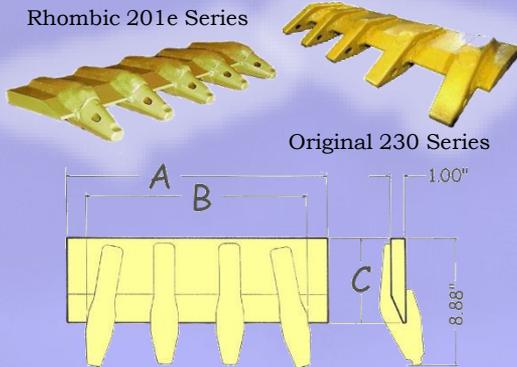


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# BUCKET LIP CONVERSION 230 and 201e-series

©H&L Tooth Company 2018



LIP NUMBER	WT.	A	B	C	TOOTH
HL-12M480-230	32.0#	12.62"	10.69"	6.00"	230SP
HL-12M480-201e	32.0#	12.62"	10.69"	6.00"	201RE2D
HL-18M480-230	44.0#	18.50"	16.12"	6.00"	230SP
HL-18M480-201e	44.0#	18.50"	16.12"	6.00"	201RE2D
HL-24M480-230	59.0#	24.50"	22.31"	6.00"	230SP
HL-24M480-201e	59.0#	24.50"	22.31"	6.00"	201RE2D

Forged Teeth **Made in Tulsa, Oklahoma** United States of America!

## BACKHOE BUCKETS from H&L® Tooth!

**Many Makes  
and Models in  
stock!**

**Unsurpassed  
Performance and  
Reliability!**

*All bucket widths  
available for  
Caterpillar®, Case®,  
Deere®, JCB®,  
Komatsu®,  
New Holland®  
and other backhoe  
machines!*

**FACTORY  
WARRANTY!**



**EXCAVATOR  
BUCKETS**

*All Makes,  
Models and Sizes*



# H&L® Style Scarifiers, Teeth and Flexpins®

©H&L Tooth Company 2018

**Millions of H&L® Scarifiers have been produced since 1944!**

Call Customer Service for all your GET requirements.

## Most Popular Case Style Rippers



Most dimensions can be found on our webpage, flyer 68.2004

## Most Popular G-163 Series Scarifiers



Uses **1 3/4SP**  
1.03#



Limited Quantity

## G-1023-23

Scarifier 22.0#

Originally designed for backhoe Ripping bucket in 1975.

Used in H&L RH-2534-230 box.

**230ST**  
3.3#

## H&L® Original ... Smallest Scarifier in the World!

### G-669-0

Scarifier 1.1#

**OSP**  
0.3# Tooth

## G-950-21

Scarifier 19.0#

Originally designed for International Harvester in 1953

**21SP**  
3.3#

## G-110-3/4

Scarifier 8.6#

Originally designed for Allis Chalmers in 1944

**1 3/4SP**  
1.03#

# H&L® Forged Style Rippers

18SP Tooth System since 1967

MODEL #	Ripper #	Weight	Width	Depth	Length	Holes
Cat D4, 941,951	RAC-850021-18	66.2#	2.25"	5.50"	21.25"	1
Fiat Allis D-11R	RG-828039-Y-18	270.0#	2.50"	10.00"	38.62"	2
I-Harvester 15R5	G-1024-A-18	98.0#	2.50"	5.50"	25.20"	2
I-Harvester 250R5	G-1024-B-18	105.0#	2.50"	5.50"	27.20"	2
I-Harvester TD-15R	RF-830031-18	158.0#	2.50"	7.50"	31.31"	2
I-Harvester TD-15R	RF-830034-18	175.0#	2.50"	7.50"	34.31"	2
Komatsu D-55S	RU-841034-18	150.0#	2.00"	7.25"	34.00"	3

19ST Tooth System since 1975

MODEL #	Ripper #	Weight	Width	Depth	Length	Holes
Cat 983	R-515-19	190.0#	2.88"	6.88"	35.00"	1
Cat D4, 941,951	RAC-850021-19	76.0#	2.25"	5.50"	21.75"	1
Cat D5, D6, 977	R-515-A-19	170.0#	2.88"	6.88"	30.00"	1
Cat D7	R-514-19	335.0#	2.88"	9.00"	45.38"	2
Fiat Allis FL20	R-529-19	320.0#	2.75"	8.88"	47.50"	2
I-Harvester TD-20	RG-829049-19	345.0#	2.50"	10.00"	48.70"	2
Komatsu D-85E	R-510-19	400.0#	2.88"	9.25"	52.00"	2
Komatsu D-85E	RL-834052-19	400.0#	2.88"	9.25"	52.00"	2

Typical Small Ripper

## 18 SERIES



## 19 SERIES



# H&L Style Large Rippers Shanks, Teeth and Flexpins®

©H&L Tooth Company 2018

## 36 SERIES



**19-36FP**  
Flexpin

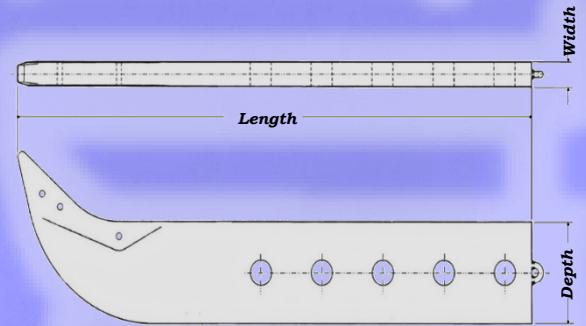


**36LST**  
33.0#  
Star Rib Design



**Single FORGED Ripper Shank!**

*Saddle Style Wear Plate Shown*



*H&L® style Ripper Shanks may not be a stocking item, call Customer Service to check availability.*

36 Series Tooth System since 1960

MODEL #	Ripper #	Weight	Width	Depth	Length	Holes	Wear Plate
CAT D8N/8R/8T	RJ-814097-YU-36	1119.0#	2.94"	13.00"	96.22"	3	RX-2017
CAT D8N/8R/8T	RJ-812079-YU-36	854.0#	2.94"	13.00"	79.00"	3	RX-2017
CAT D8L	RJ-812075-YU-36	802.0#	2.94"	13.00"	74.62"	3	RX-2017
CAT D8H	RJ-810069-YU-36	750.0#	2.94"	13.00"	68.82"	2	RX-2017
CAT D8K	RJ-810062-YU-36	675.0#	2.94"	13.00"	61.82"	2	RX-2017
CAT D8L	RJ-809059-YU-36	644.0#	2.94"	13.00"	58.42"	2	RX-2017
CAT D9N/9R/9T	RJ-814109-YU-36	1196.0#	2.94"	13.00"	108.12"	3	RX-2017
CAT D9N/9T/9H	RJ-813092-YU-36	854.0#	2.94"	13.00"	91.27"	3	RX-2017
Fiat Allis HD-16R	R-403-YS-36	431.0#	2.88"	10.75"	47.00"	2	RX-1939
Fiat Allis HD-16R	RH-827047-YU-36	431.0#	2.88"	10.75"	47.00"	2	RX-1939
Fiat Allis HD-21R	R-513-BYS-36	706.0#	2.88"	13.00"	78.00"	3	RX-2017
Fiat Allis HD-21R	RJ-810078-YU-36	706.0#	2.88"	13.00"	78.00"	3	RX-2017
Fiat Allis HD-21R	R-353-Y3-36	555.0#	2.88"	13.00"	54.90"	3	RX-1930
Fiat Allis HD-21R	R-377-YS-36	555.0#	2.88"	13.00"	54.90"	3	RX-1939
Fiat Allis HD-21R	RJ-826055-YU-36	555.0#	2.88"	13.00"	54.90"	3	RX-2017
I-Harvester TD-25	R-476-CYS-36	630.0#	2.88"	13.00"	60.62"	2	RX-1939
I-Harvester TD-25	R-476-AYS-36	630.0#	2.88"	13.00"	60.62"	2	RX-2001
I-Harvester TD-25	R-517-YS-36	625.0#	2.88"	13.00"	60.62"	2	RX-2017
Komatsu D-155S	RJ-836065-YU-36	630.0#	2.88"	12.88"	65.00"	2	RX-2017
Komatsu D-155S	R-511-YS-36	630.0#	2.88"	12.00"	63.00"	2	RX-2017
Komatsu D-85S	R-510-YS-36	400.0#	2.88"	9.25"	52.00"	2	RX-2017

## Wear Plate Protectors and Flexpins

**Saddle Wear Plates**



RX-1930 use 2-RX-1926FP  
 RX-1939 use 2-RX-1926FP  
 RX-2001 use 2-RX-1926FP  
 RX-2017 use 2-RX-1926FP



**Wear Plate Flexpins**

*H&L® style Ripper Shanks may not be a stocking item, call Customer Service to check availability.*

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# H&L Style Large Rippers Shanks, Teeth and Flexpins®

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## 38 SERIES

**38FP**  
Flexpin



**38LST**  
55.8#  
Star Rib Design

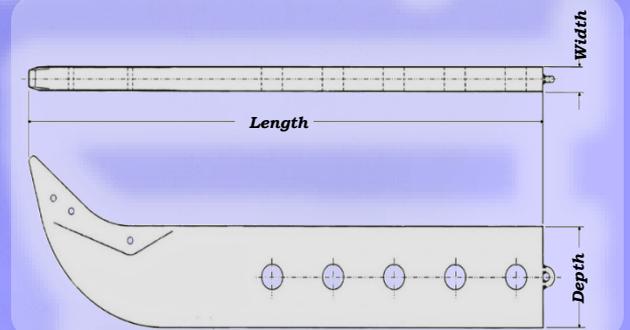
**Saddle  
Wear  
Plates**



**Wear  
Plate  
Flexpins**



RX-1863 use 2-RX-1900FP  
RX-1863C use 2-RX-1900FP  
RX-2146 use 2-RX-2147FP



38 Series Tooth System since 1967 H&L® style Ripper Shanks may not be a stocking item, call Customer Service to check availability.

MODEL #	Ripper #	WT.	Width	Depth	Length	Holes	Wear Plate
Cat D10	RS-806110-YC-38	1960.0#	4.00"	15.75"	110.31"	4	RX-1863
Cat D10/D11N	RS-807078-YC-38	1381.0#	4.00"	15.75"	77.50"	2	RX-1863
CAT D9L/D10N	RP-861099-YC-38	1398.0#	3.50"	15.50"	98.81"	3	RX-1863
Cat D9L/D10	RN-862113-YC-38	1530.0#	3.50"	14.00"	113.00"	5	RX-1863
CAT D9L/D10N	RN-802111-YC-38	1409.0#	3.50"	14.00"	110.82"	3	RX-1863
Cat D8K/D9H	RN-804106-YC-38	1445.0#	3.50"	14.00"	105.92"	6	RX-1863
CAT D9L/D10N	RN-801091-YC-38	1236.0#	3.50"	14.00"	91.12"	3	RX-1863
CAT D9L/D10N/R/T	RN-866072-YC-38	962.0#	3.50"	14.00"	71.75"	2	RX-1863
CAT D9L/D10N	RN-805072-YC-38	962.0#	3.50"	14.00"	71.22"	2	RX-1863
Fiat Allis HD-31R	R-481-BYS-38	969.0#	3.50"	14.00"	71.50"	2	RX-1863
Fiat Allis HD-31R	R-481-YS-38	955.0#	3.50"	14.00"	71.50"	3	RX-1863
Fiat Allis HD-31R	R-522-BYS-38	969.0#	3.50"	14.00"	71.50"	2	RX-1863C
Fiat Allis HD-31R	R-522-YS-38	955.0#	3.50"	14.00"	71.50"	3	RX-1863
Fiat Allis HD-31R	RN-803072-YC-38	955.0#	3.50"	14.00"	71.50"	3	RX-1863
Fiat Allis HD-41R	R-531-AYS-38	1630.0#	4.50"	15.75"	83.00"	2	RX-2146
Fiat Allis HD-41R	RW-816082-YV-38	1630.0#	4.50"	15.75"	83.00"	2	RX-2146
Fiat Allis HD-41R	R-420-CYS-38	1172.0#	3.50"	15.50"	81.50"	3	RX-1863
Fiat Allis HD-41R	RP-824083-YC-38	1172.0#	3.50"	15.50"	81.50"	3	RX-1863C
Fiat Allis HD-41R	R-468-AYS-38	1102.0#	3.50"	15.50"	79.50"	2	RX-1863C
Fiat Allis HD-41R	RP-811074-YC-38	1102.0#	3.50"	15.50"	79.50"	2	RX-1863C
Fiat Allis HD-41R	RP-825075-YC-38	1107.0#	3.50"	15.50"	74.12"	3	RX-1863C
Fiat Allis HD-41R	R-420-YS-38	1107.0#	3.50"	15.50"	74.12"	3	RX-1863
I-Harvester TD-40	R-550-AYS-38	1750.0#	3.50"	15.25"	123.30"	4	RX-1863
I-Harvester TD-40	R-550-YS-38	1520.0#	3.50"	15.25"	108.30"	4	RX-1863
I-Harvester TD-40	R-496-YS-38	1110.0#	3.50"	15.25"	76.50"	2	RX-1863
Komatsu D-455	RY-838112-YV-38	2123.0#	4.38"	18.50"	112.00"	5	RX-2146
Komatsu D-455	R-521-YS-38	2166.0#	4.38"	18.50"	109.00"	5	RX-2146
Komatsu D-455	RV-839085-YC-38	1514.0#	3.75"	15.75"	85.00"	2	RX-1863
Komatsu D-375	RV-867088-YC-38	1558.0#	3.75"	15.75"	88.00"	3	RX-1863
Komatsu D-355	RV-840086-YC-38	1439.0#	3.75"	15.75"	86.38"	2	RX-1863
Komatsu D-355	R-535-YS-38	960.0#	3.50"	14.00"	72.75"	2	RX-1863
Komatsu D-355	RN-837073-YC-38	960.0#	3.50"	14.00"	72.75"	2	RX-1863

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# H&L Style Repair and Conversion Nosepieces

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## FORGED Ripper Nosepiece!

### International-Harvester Special

#### RX-2000-YS-36

31.0#



Uses  
36LST Tooth  
19-36FP Flexpin  
RX-2001 Protector  
RX-1926FP (2) Flexpins

#### NP-XXB Series



Available for 230, 240, 252, 272, 18, 19, 31, 32, 33, 36, 38 and 308 Series Teeth

#### RX-1693-BUYS-36

210.0#



Uses  
36LST Tooth  
19-36FP Flexpin  
RX-2017 Protector  
RX-1926FP (2) Flexpins

#### RX-2114-AKYS-38

400.0#



Uses  
38LST Tooth  
38FP Flexpin  
RX-1963C Protector  
RX-1900FP (2) Flexpins

#### RX-1700-AKYS-308

450.0#



#### CRC KELLY STYLE

Uses  
308LST Tooth  
308FP Flexpin  
RX-1863C Protector  
RX-1900FP (2) Flexpins

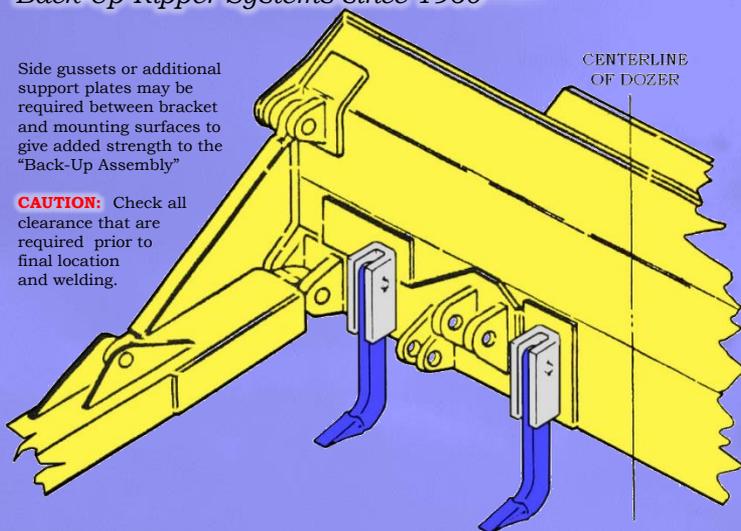
*H&L® style Ripper Nosepieces are not a stocking item, call Customer Service to check availability.*

# H&L Back Up Ripper Shanks and Box Assemblies

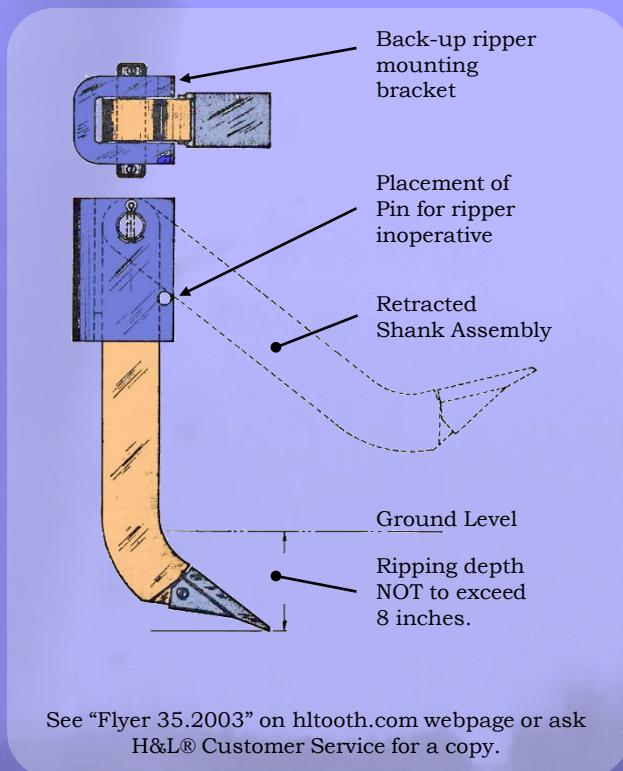
Back-Up Ripper Systems since 1960

Side gussets or additional support plates may be required between bracket and mounting surfaces to give added strength to the "Back-Up Assembly"

**CAUTION:** Check all clearance that are required prior to final location and welding.



As the tractor moves forward, the ripper assembly drag freely behind the dozer blade and as the tractor moves to the rear each shank falls into the ripping position. Rippers become inoperative by simply raising the shank assembly up and inserting the pin in the "Back-Up Ripper" bracket.



See "Flyer 35.2003" on hltooth.com webpage or ask H&L® Customer Service for a copy.

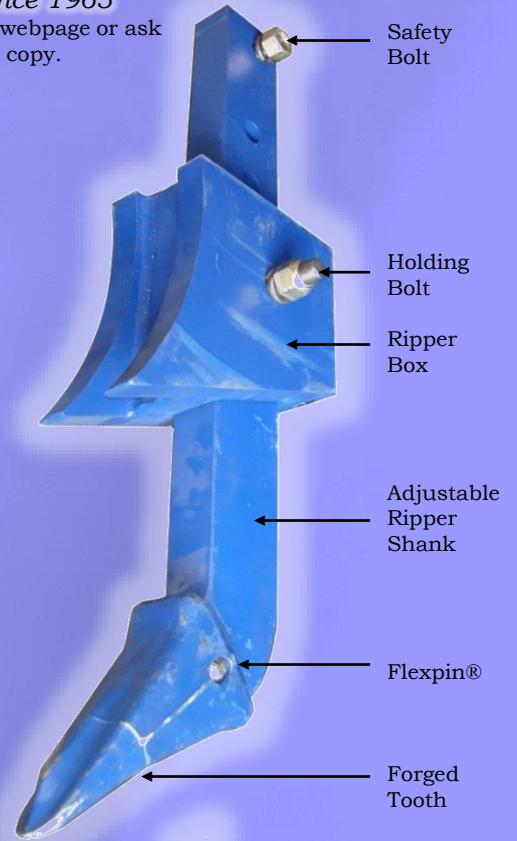
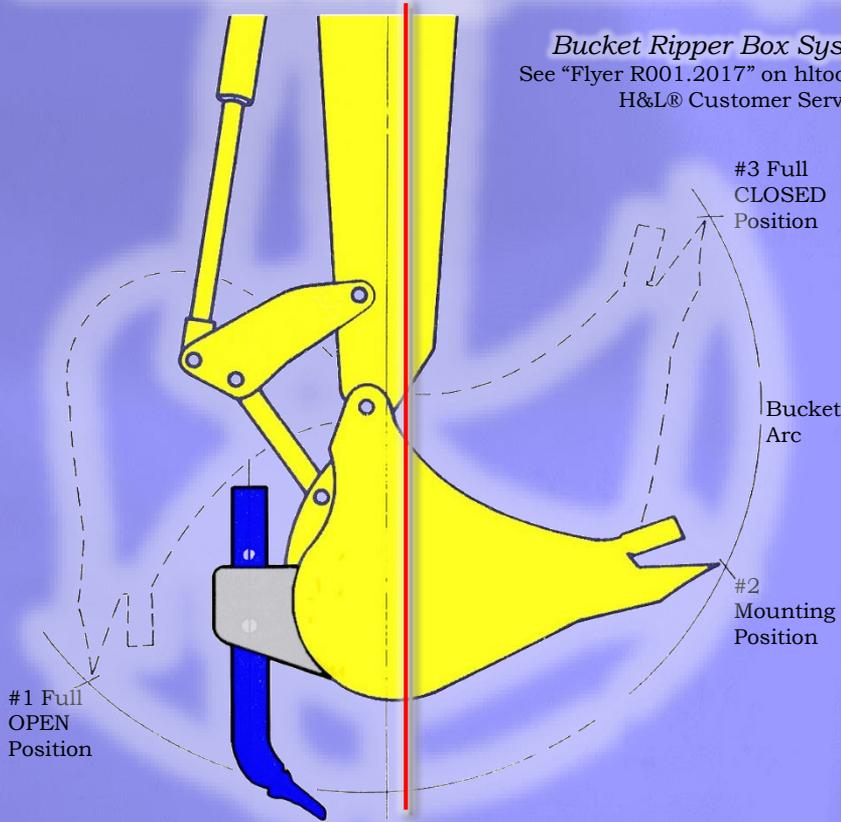
®Is a registered trademark of the respectively named Company.

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# H&L Backhoe Ripper Boxes Up to 4 Cubic Yard Buckets

©H&L Tooth Company 2018

*Bucket Ripper Box System since 1965*  
See "Flyer R001.2017" on hltooth.com webpage or ask H&L® Customer Service for a copy.



## INSTALLATION:

- Place centerline of "Dipper Stick" in vertical position.
- Rotate bucket from position #1 to position #3 to determine the "Bucket Arc".
- Open the bucket 1/3 the arc distance, this is position #2.
- Mount the ripper assembly to the rear of the bucket, making sure the ripper shank is aligned with the dipper stick centerline.

**All Backhoe Bucket Teeth are Uniforged® for added strength. Tooth sizes available 230ST, 240ST, 252ST, 18SP and 19ST.**

# H&L Tap-On Style Trencher Teeth and Pockets

## D-11 Pocket

1.5#

**H&L® 11 and 12 Series Replaceable Tap-On style Teeth and weld-on Pockets.**

11 and 12 Series Tooth System since 1964

H&L® Tooth Company offers a wide range of sizes and style of Uniforged® heat treated trencher teeth to fit all your requirements.

## D-12 Pocket

3.0#



FORGED in the USA!



FORGED in the USA!

## 11-A Tooth

0.8#



FORGED in the USA!

## 12-B Tooth

1.9#



FORGED in the USA!

See "Flyer 173.2015" on hltooth.com webpage or ask H&L® Customer Service for a copy.

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# H&L Style "VP" Vertical Pinned Teeth and Flexpins®

©H&L Tooth Company 2018



"VP" Series Tooth System since 1980

## 195VP Series

**195SP**  
7.4#



NO LONGER PRODUCED

**195T**  
8.2#



FORGED in the USA!

The VP system features a double locking vertical Flexpin® Tooth-to-Adapter connection. This patented system used on large mining Rope Shovels is now available for loaders and excavators.

## "VP" Series Flexpins

## 205VP Series

**205SP**  
9.5#



FORGED in the USA!

**205L**  
10.5#



FORGED in the USA!

## 315VP Series

**315SP**  
14.0#



NO LONGER PRODUCED

**315L**  
15.1#



FORGED in the USA!

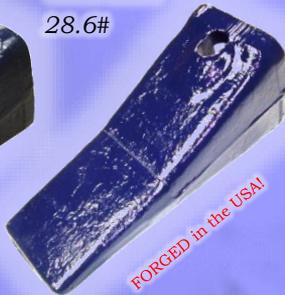
## 325VP Series

**325SP**  
25.0#



FORGED in the USA!

**325L**  
28.6#



FORGED in the USA!

## 335VP Series

**335SP**  
35.0#



FORGED in the USA!

**335A**  
56.2#



FORGED in the USA!

**335TT**  
38.0#

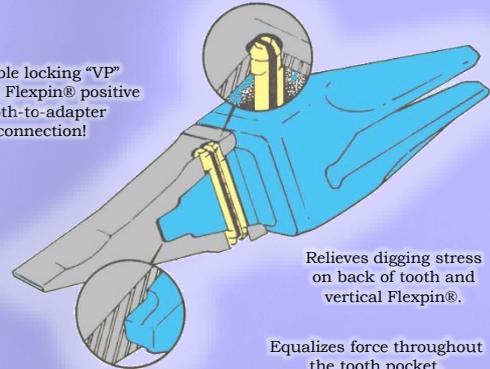


FORGED in the USA!



Easy removal and installation, less replacement time resulting in shorter down time.

Double locking "VP" vertical Flexpin® positive tooth-to-adapter connection!



Relieves digging stress on back of tooth and vertical Flexpin®.

Equalizes force throughout the tooth pocket.

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# H&L Style "VP" Vertical Pinned Adapter Products

©H&L Tooth Company 2018

The VP system features a double locking vertical Flexpin® Tooth-to-Adapter connection. This patented system used on large mining Rope Shovels is now available for loaders and excavators.

## L-6001-BW-195

19.0#



.92" LIP  
Weld-On

Komatsu® Models:  
WA100, WA150, WA200,  
WA300, WA350

## L-6001-BW-205

19.0#



.92" LIP  
Weld-On

Komatsu® Models:  
WA100, WA150, WA200,  
WA300, WA350

## L-6032-A-195

27.0#



1.00" LIP  
Bolt-On

Komatsu® Models:  
WA180, WA200, D41S

## L-6032-A-205

27.0#



1.00" LIP  
Bolt-On

Komatsu® Models:  
WA180, WA200, D41S

## L-6003-A-205

27.0#



1.17" LIP  
Bolt-On

Komatsu® Models:  
WA250, WA260, WA300,  
WA320, D53S, D57-1

## L-6003-DA and EA-205

26.0#



1.17" LIP  
Bolt-On

Limited  
Quantity

Right and Left Corners

Komatsu® Models:  
WA250, WA260, WA300, WA320,  
D53S, D57-1

## LGT-6052-W-205

17.0#

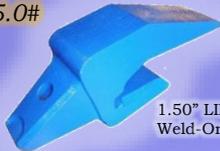


1.25" LIP  
Weld-On

Case® Model:  
125B and a Variety of  
Rocky Mountain buckets

## L-6028-W-205

25.0#



1.50" LIP  
Weld-On

Case® Model:  
125B and a Variety of  
Rocky Mountain buckets

## LGT-6028-W-315

25.0#



1.50" LIP  
Weld-On

Case® Model:  
125B and a Variety of  
Rocky Mountain buckets

## L-6033-AW-195

25.0#



1.50" LIP  
Weld-On

Case® Model:  
125B and a Variety of  
Rocky Mountain buckets

## L-6006-A-205

42.0#



1.53" LIP  
Bolt-On

Komatsu® Models:  
WA280, WA350, WA35-IM,  
D75S, D75S-3, D75S-4

## L-6006-AW-205

25.0#



1.53" LIP  
Weld-On

Komatsu® Models:  
WA280, WA350, WA35-IM,  
D75S, D75S-3, D75S-4

## L-6006-315

50.0#



1.53" LIP  
Bolt-On

Komatsu® Models:  
WA280, WA350, WA35-IM,  
D75S, D75S-3, D75S-4

## L-6006-DA and EA-315

43.0#



1.53" LIP  
Bolt-On

Limited  
Quantity

Right and Left Corners

Komatsu® Models:  
WA250, WA260, WA300, WA320, D53S, D57-1

## L-6030-W-315

48.0#



2.00" LIP  
Weld-On

Case® Model:  
125B and a Variety of  
Rocky Mountain buckets

## L-6030-AW-315

32.0#



2.00" LIP  
Weld-On

Case® Model:  
125B and a Variety of  
Rocky Mountain buckets

## LGT-6030-W-325

39.0#



2.00" LIP  
Weld-On

Case® Model:  
125B and a Variety of  
Rocky Mountain buckets

## L-6021-W-325

66.0#



2.38" LIP  
Weld-On

Komatsu® Models:  
WA600

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# H&L Style "Original" Products... Posters

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[www.hltooth.com](http://www.hltooth.com)

Comments

## Available WALL POSTERS

POSTER 18"X 24"  
#71.2004



Shows the forging steps required in manufacturing GET.

POSTER 22"X 34"  
#160.2014



Shows the forging steps required in manufacturing GET.

POSTER 24"X 36"  
#183.2015



Shows the forging steps required in manufacturing GET.

Desk Display 12"X24"  
#214.2018



H&L® 230 Original Series and 156 Parabolic® Series GET Systems.

POSTER 22"X 17"  
#110.2008



Shows the forging steps required in manufacturing GET.

POSTER 34"X 22"  
#115.2009a



H&L® Parabolic® Teeth, Adapters and Pinning GET Systems.

POSTER 34"X 22"  
#132.2009



Shows the forging steps required in manufacturing

POSTER 34"X 22"  
#140.2011



Shows the forging steps required in manufacturing

POSTER 36"X 24"  
#181.2015



Shows the forging steps required in manufacturing

## Other Product Catalogs

H&L® Caterpillar® Style Products: Catalog #210.2018

H&L® Esco® Style Products: Catalog #211.2018

H&L® Hensley® Style Products: Catalog #212.2018

H&L® Bobcat®, Komatsu® and Other Style Products: Catalog #213.2018

H&L® Whisler Mining & Ripper Products: Catalog #214.2018

# H&L FACTORY WARRANTY!

*The H&L Tooth Company warrants all H&L Products against defects in material and workmanship.*

*Tulsa Oklahoma's 200,000 square foot manufacturing home includes forging, fabrication, and heat treating facilities, and serves as our central distribution complex.*



**Tulsa FORGE LINE consists of multiple 4"- 6"- 7 ½"- 9" National Upsetters, 1000, 1300, 2000 Ton National MaxiPres that will produce GET Products from 2 pounds to 2000 pounds.**



**Over two million GET parts in our Shipping Department in Tulsa, Oklahoma.  
H&L Tooth is an ISO 9001 CERTIFIED Company.**

**Patented  
Auto-Welders**

## H&L Tooth Company Quality Policy

H&L Tooth commits to meeting or exceeding internal and external customer requirements in its manufacturing and processing of ground engaging tools. This will be achieved by continually improving the effectiveness of our quality system through the establishment and tracking of quality objectives, identifying opportunities for improvements, and teamwork among our employees, customers and vendors.

**1-800-HLTOOTH**

**[www.hltooth.com](http://www.hltooth.com)**