

# H&L<sup>®</sup>

# Ground Engaging Tools

**Wear Parts for:**

•Cat<sup>®</sup> •Case<sup>®</sup> •Deere<sup>®</sup> •JCB<sup>®</sup> •Komatsu<sup>®</sup> •New Holland<sup>®</sup> and Others

© H&L Tooth Company 2015

*H&L<sup>®</sup>  
Original  
Products*



*Cat<sup>®</sup>  
Style  
Teeth*



*Hensley<sup>®</sup>  
Style  
Teeth*



*Esco<sup>®</sup>  
Style  
Teeth*



## 1-800 HL TOOTH

® is a registered trademark of the respectively named Company.  
All manufacturer's names, numbers, symbols and descriptions are used for reference purpose only.

# H&L® Ground Engaging Tools

GET Manufacturing Facility in Tulsa, Oklahoma, U.S.A.

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•OEM Cross Over to H&L Numbers

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1-800-HL TOOTH (1-800-458-6684)

# FOR YOUR BACKHOE:

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The ORIGINAL SP



## FORGED 230SP

Sharp Penetration Tooth

- Uniforged from tough Chrom-Moly aircraft grade steel!
- Hardened & tempered for optimum strength!
- Manufactured for exceptional strength and fatigue resistance!

The most popular tooth in the World!

ST



## FORGED 230ST

Star ripping Tooth

Self-Sharpening Rib design!

CLAW



## FORGED 230CLAW

Fits existing 23-Series Adapters

"A unique curved design that lets the bucket dig with 25% less effort". The CLAW's aggressive digging action delivers faster cycles and better bucket fill!

T



## FORGED 230T

Single Tiger Tooth

T9



## FORGED 230T9

Single Sharp Tooth

20% Heavier than the Hensley® casting! Forged for exceptional strength and fatigue resistance!

TT7



## FORGED 230TT7

Twin Sharp Tooth

20% Heavier than the Hensley® casting!!

Great for cutting bucket corner clearances!

CTT



## FORGED 230CTT

Centerline & Reversible

Heavier tynes enhance reliability.

Great for cutting bucket corner clearances!

HEAVIER  
TYNES

NEW CORNER



REDESIGNED  
HEAVIER



## FLARED 230F and 230FC

Heavy Duty Flared and Flared Corner Teeth

The **new** 230F Flared Wide tooth provides a complete 4.50" out for mud/clay applications!

230FC Flared Corner tooth designed to out flush with the bucket corner.

FORGED  
IN THE  
USA!  
Under  
Original  
H&L  
Patents

## VALUE-CAST 230CSP

Cast Sharp Penetration Tooth

### •WARRANTY!

All castings are covered under H&L's standard warranty.

•Cast from tough Chrom-Moly-Nickel steel!



## VALUE-CAST 230CST

Star ripping Tooth

Self-Sharpening Rib design



## VALUE-CAST 230THD

Cast Tiger Tooth

Medium Duty cast tooth for most applications!



## VALUE-CAST 230TW

Cast Twin Tiger Tooth

Medium Duty cast Twin Tiger style tooth for most applications!



H&L Factory  
Inspected for  
Quality



## VALUE-CAST 230CF

Cast Flared Tooth

The cast 230CF Flared Wide tooth supplies a short profile that provides a flush cut.

© H&L Tooth Company 2015

## FABRICATED 23SP

Fabricated Sharp Penetration Submerged arc welded Tooth

All 23SP fabricated teeth are automatically welded, producing consistency tooth after tooth...

**MADE IN THE USA!**  
A forged blank with a fabricated clip became the Original 1934 H&L Patent



**HARDENED BLADE**

**HEAVIER!**



**ORIGINAL**  
Flexpin Design

## 23 SERIES FLEXPINS®

The ORIGINAL 23FP Flexpin

All 23 Series Flexpins are built with *sharp ends* to ease installation!



### 23DLFP Dual Lock

Flexpin® More locking power for worn adapters!



### 23ODFP DeltaWing™

Flexpin® ... Ideal for DeltaWing™ Teeth and worn assemblies requiring LONGER pins!

Replaces  
23CFP

## 230 SERIES © H&L Tooth Company 2015

Backhoe & Excavator Style Adapters

IDEAL FOR DEERE BUCKETS

IDEAL FOR CASE BUCKETS



2740-MW-23



2740-AW-23



2740-W-23



2740-ZW-23



2740-AFW-23  
Corner Adapter

Loader  
Style



L-4107-LW-23



L-3445-23



L-3445-A-23



L-3445-D-23

## FABRICATED TEETH & ADAPTERS

### "0" and "00" SERIES

All fabricated tooth blanks are 100% THROUGH HARDENED!



OSP

12oz



D-836-0 Adapter

Welds to the bottom or top of the bucket lip!



D-838-0 Adapter



OOSP



D-842-00 Adapter

Bottom-Strap Long Leg Adapters!



2898-W-00 Adapter

### 2A SERIES



2AH

### Mini-Excavators



D-862-2A Adapter

H&L Original 2A Series Tooth System!



D-835-2A Adapter

### 3C SERIES



3CHLR

### Small Backhoes



D-925-3CA adapter

H&L Original 3C Series Tooth System!



D-834-3CA adapter

# LARGER BACKHOE & LOADER UNIFORGED® TEETH & ADAPTERS

© H&L Tooth Company 2015

## 240 SERIES



24FP



240SP



240ST



240CSP



240CT



3000-W-24



2740-KW-24



L-4108-BF-24



L-2021-F-24



L-3679-A-24



L-3679-24

## 252 SERIES



25-26FP



252SP



252ST



3000-W-25



2740-AW-25



252CSP



252CT



252CWT



252CF

2740-FW-25

2740-FW-25

2740-AEW-25

**LOADER**  
style adapters



Typical 25-Series Loader  
Adapter configuration



L-3623-A-25

L-3637-A-25

L-3679-A-25



L-3623-B-25

L-3637-25

L-3679-25

## 272 SERIES



20-27FP



272SP



272ST



3000-W-27



2740-FW-27

**LOADER**  
style adapters



L-3638-A-27



L-3638-B-27

H&L Tooth offers a variety of Loader and Excavator style adapters for all makes and models of equipment!

1-800-HL TOOTH (1-800-458-6684)

# RhombicGETsystem™

DIAGONALLY PINNED TOOTH SYSTEMS FOR

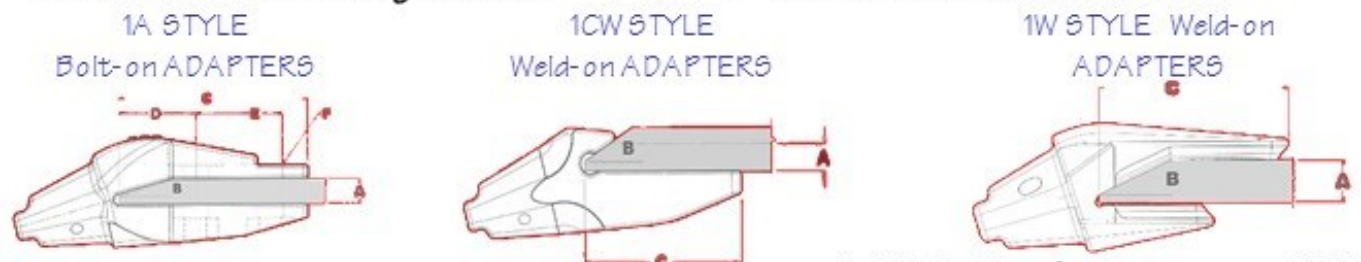
MINI-EXCAVATORS, SKID-STEERS, BACKHOES, LOADERS & EXCAVATORS

136a, 186a, 200a, 201a, 350, 351, 450 and 451 Series Teeth



136a SERIES	A	B	C	D	E	F	WEIGHT	STYLE	REPLACES
L-3761-A-136a	.38°	0	3.50"	1.19"	1.75"	.56"	2.0#	1A - Roll Pin	CAT138-6410
L-3760-A-186a	.62°	15	5.12"	2.12"	2.00"	.69"	4.8#	1A - Roll Pin	CAT135-9390
D-835-136a	.75°	30	4.12"		WELD-ON		2.0#	1CW - Roll Pin	H&L D-835-2A
D-834-186a	.88°	30	4.00"		WELD-ON		3.5#	1CW - Roll Pin	H&L D-834-3C
2740-ZW-200a	1.00°	23	5.62"		WELD-ON		4.5#	1W - Pin & Retainer	H&L 2740-ZW-23
2740-ZW-201a	1.00°	23	5.62"		WELD-ON		4.5#	1W - Flexpin	H&L 2740-ZW-23
3746-W-350	1.25°	20	10.00"		WELD-ON		25.0#	1CW - Pin & Retainers	
3746-W-351	1.25°	20	10.00"		WELD-ON		25.0#	1CW - Flexpin	
3748-CW-350	1.50°	30	9.25"		WELD-ON		26.3#	1CW - Pin & Retainers	ESCO 5855-V39
3748-CW-351	1.50°	30	9.25"		WELD-ON		26.3#	1CW - Flexpin	ESCO 5855-V39
3750-CW-450	2.00°	30	11.00"		WELD-ON		55.5#	1CW - Pin & Retainers	ESCO 5856-V43
3750-CW-451	2.00°	30	11.00"		WELD-ON		55.5#	1CW - Flexpin	ESCO 5856-V43
L-3749-AW-450	2.38°	25	10.62"		WELD-ON		58.5#	1W - Pin & Retainer	ESCO 4889-V43
L-3749-AW-451	2.38°	25	10.62"		WELD-ON		58.5#	1W - Flexpin	ESCO 4889-V43
3747-CW-450	2.50°	30	11.88"		WELD-ON		59.2#	1CW - Pin & Retainers	ESCO 5857A-V51
3747-CW-451	2.50°	30	11.88"		WELD-ON		59.2#	1CW - Flexpin	ESCO 5857A-V51

## RhombicGETsystem™ ADAPTER DIMENSIONS



© H&L Tooth Company 2015

# BACKHOE BUCKETS from H&L<sup>®</sup> Tooth!

© H&L Tooth Company 2015

**Many  
Makes and  
Models  
in stock!**



**Unsurpassed Performance  
and Reliability!**

All bucket widths available for  
Caterpillar<sup>®</sup>, Case<sup>®</sup>, Deere<sup>®</sup>,  
JCB<sup>®</sup>, Komatsu<sup>®</sup>, New Holland<sup>®</sup>  
and other backhoe machines!



## Excavator Buckets

*All Makes, Models and Sizes*

**Call us for your Bolt-on and Weld-on  
cutting edge needs!**

**FACTORY WARRANTY!**



RhombicGETsystem™

## BUCKET LIP CONVERSIONS



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

1-800-HL TOOTH (1-800-458-6684)





H&L Tooth Company  
**DeltaWing™**  
Lip Saver System



*For Existing 23-Series  
Backhoe Shanks*

*Fits:  
CASE, DEERE, DITCH WITCH, JCB,  
MUSTANG, NEW HOLLAND and Others.*

*Patented in the United States.  
Foreign Patents pending.*

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Visit our web site at [www.hltooth.com](http://www.hltooth.com)

# ESCO® STYLE TEETH

## CONICAL® STYLE REPLACEMENT TEETH

© H&L Tooth Company 2015

MATCHES  
OEM  
REQUIREMENTS



Full FACTORY  
WARRANTY



MAXIMUM  
PENETRATION

SHARP PENETRATION		
GROUP	PART #	WEIGHT
18	CF-18LP	2.0#
25	CF-25S	6.4#
30	CF-30S	8.2#
35	CF-35S	8.2#
40	CF-40S	7.6#
45	CF-45S	11.5#
50	CF-50S	22.0#
55	CF-55S	18.1#

SHARP PENETRATION		
GROUP	PART #	WEIGHT
22	C-22S	1.8#
25	C-25S	6.4#
30	C-30S	8.2#
35	C-35S	8.2#
40	C-40S	7.6#
45	C-45S	11.5#
50	C-50S	22.0#
55	C-55S	18.1#

SINGLE TIGER		
GROUP	PART #	WEIGHT
22		
25		
30	C-30VIP	5.8#
35	C-35VIP	8.2#
40	C-40VIP	16.8#
45		
50		
55		

# HELILOK® STYLE REPLACEMENT TEETH



All H&L Products are  
WARRANTED against  
premature breakage!



QUALITY CAST  
CONSTRUCTION

GENERAL PURPOSE SYL		
GROUP	PART #	WEIGHT
21	CX-21SYL	8.0#
27	CX-27SYL	11.2#
37	CX-37SYL	18.5#
47	CX-47SYL	25.8#

SINGLE TIGER		
GROUP	PART #	WEIGHT
21	CX-21VIP	6.2#
27	CX-27VIP	9.0#
37	CX-37VIP	13.5#
47	CX-47VIP	22.1#

TWIN SHARP		
GROUP	PART #	WEIGHT
21	CX-21TMP	7.1#
27	CX-27TMP	10.0#
37	CX-37TMP	16.8#
47	CX-47TMP	24.9#

QUADRILOK PIN		
GROUP	PART #	WEIGHT
21	C-21LK	0.3#
27	C-27LK	0.4#
37	C-37LK	0.7#
47	C-47LK	0.9#

Quadrilok  
Pin



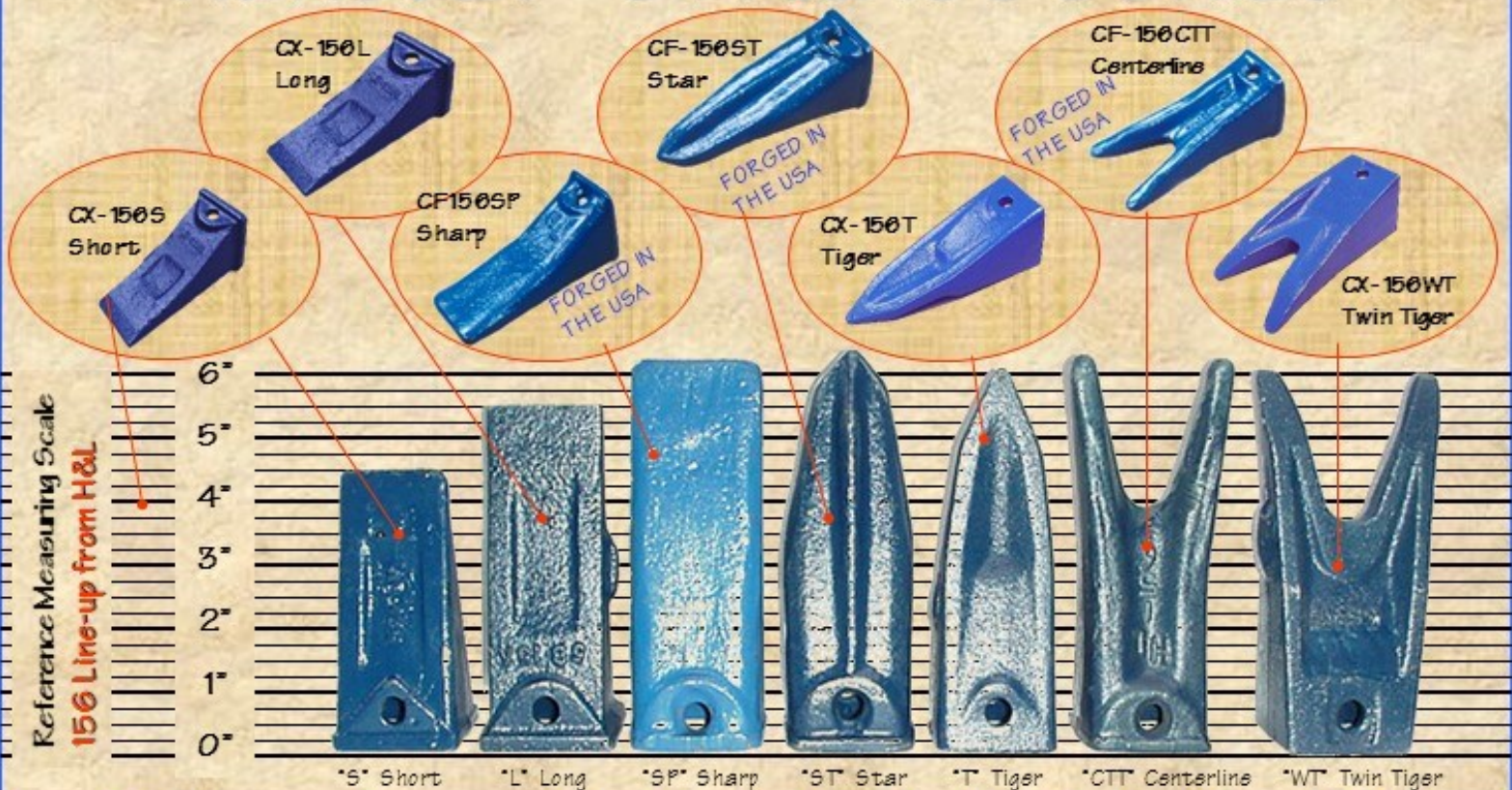
Conical®  
Pin &  
Retainer



CONICAL PIN ATTACHMENTS		
GROUP	PIN #	LOCK #
18/20	C-18-20PN	C-18-20LK
22	C-22PN	C-22LK
25/30	C-25-30PN	C-25-30LK
35/40	C-35-40PN	C-35-40LK
45	C-45PN	C-45LK
55	C-55PN	C-55LK

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# HENSLEY® STYLE 156 SERIES



**Not the usual suspects! Hensley® Style 156-Series from H&L®**

## 156-Series Weld-on Adapters



**C-230X156** Full top leg wrap around adapter for .62" thick lips.



**C-550X156** Full top leg wrap around adapter for 1.00" thick lips.



**C-835X156** Full bottom leg adapter for .62" to 1.00" thick lips.

## PARABOLIC® ROLL PINS AND FLEXPINS



PIN ATTACHMENTS	
GROUP	PART #
156	C-156LPN
220	C-160FPN
290	C-290FPN
295	C-295FPN
310	C-160FPN
330	C-330FPN
350	C-350FPN
370	C-370FPN
400	C-400HDFPN
410	C-410FPN
475	C-475FPN

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# HENSLEY® STYLE TEETH

Full **FACTORY**  
WARRANTY!

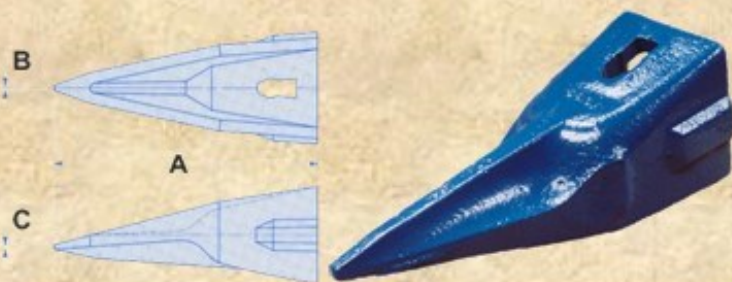
All H&L Products are **WARRANTED** against premature breakage!

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## MATCHES OEM SPECS



## MAXIMUM PENETRATION



### SHARP PENETRATION

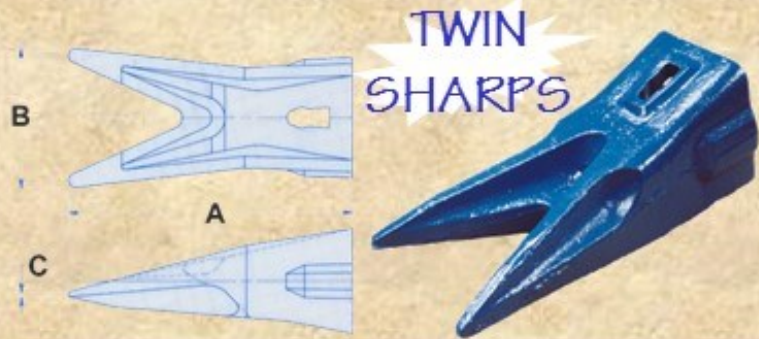
GROUP	PART #	A	B	C	WEIGHT
156	CF-1566P	6.00°	2.12°	0.19°	1.8#
160	CX-1606P	6.62°	2.25°	0.19°	3.5#
220	CX-2206P	7.00°	2.75°	0.25°	6.4#
225	CX-2256P	7.00°	2.75°	0.25°	6.2#
290	CX-2906P	8.00°	3.12°	0.38°	8.2#
295	CX-2956P	8.00°	3.25°	0.25°	8.2#
310	CX-3106P	7.62°	3.31°	0.25°	7.6#
330	CX-3306P	9.12°	3.62°	0.38°	11.5#
350	CX-3506P	10.75°	4.00°	0.38°	16.0#
370	CX-3706P	10.38°	4.00°	0.38°	18.1#
400	CX-4006P	9.75°	4.25°	0.38°	16.5#
410	CX-4106P	11.38°	4.50°	0.38°	20.5#
450	CX-4506P	12.50°	4.88°	0.38°	30.2#
475	CX-4756P	12.12°	5.75°	0.50°	34.8#

### SINGLE TIGER

GROUP	PART #	A	B	C	WEIGHT
156	CX-156T	5.88°	0.19°	0.19°	1.9#
160	CX-160T	8.38°	0.25°	0.19°	4.2#
220	CX-220T	7.75°	0.25°	0.25°	6.2#
225					
290	CX-290T	9.75°	0.25°	0.25°	8.1#
295					
310	CX-310T	9.75°	0.25°	0.25°	10.7#
330	CX-330T	11.00°	0.25°	0.38°	11.2#
350					
370	CX-370T	12.00°	0.25°	0.25°	18.2#
400	CX-400T	12.06°	0.38°	0.38°	16.3#
410	CX-410T	13.38°	0.38°	0.38°	21.7#
450	CX-450T	15.00°	0.31°	0.38°	31.3#
475	CX-475TL	13.75°	0.38°	0.50°	36.8#



## FLARED STYLE



## TWIN SHARPS

### FLARED

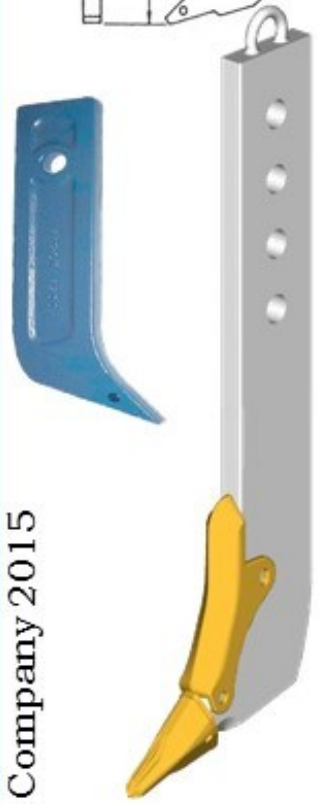
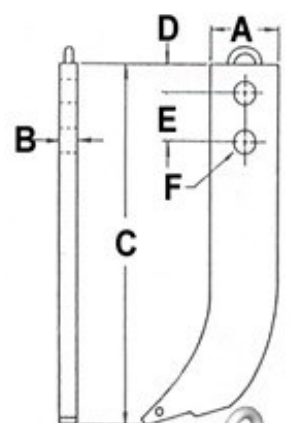
GROUP	PART #	A	B	C	WEIGHT
156	CX-156F	5.00°	4.38°	0.38°	2.8#
160	CX-160F				4.2#
220	CX-220F	7.00°	4.50°	0.44°	7.3#
225					
290	CX-290F	8.00°	6.25°	0.56°	11.6#
295					
310	CX-310F	7.62°	6.00°	0.62°	9.6#
330	CX-330F	9.62°	7.25°	0.69°	18.1#
350					
370					
400	CX-400F	9.50°	8.00°	0.75°	20.8#
410					
450	CX-450F	13.00°	8.50°	0.75°	44.1#
475					

### TWIN TIGER

GROUP	PART #	A	B	C	WEIGHT
156	CX-156WT	6.00°	3.25°	0.19°	3.5#
160	CX-160WT	8.00°	3.44°	0.19°	5.5#
220	CX-220WT	7.88°	4.12°	0.25°	8.6#
225					
290	CX-290WT	9.50°	4.25°	0.25°	10.1#
295					
310	CX-310WT	9.50°	4.75°	0.25°	12.6#
330	CX-330WT	9.12°	3.62°	0.38°	14.7#
350					
370	CX-370WT	12.00°	6.00°	0.25°	21.0#
400	CX-400WT	12.19°	6.12°	0.38°	23.7#
410	CX-410WT	13.62°	6.62°	0.38°	27.6#
450	CX-450WT	15.00°	7.25°	0.38°	37.5#
475	CX-475WTL	14.00°	7.00°	0.38°	37.6#

SHANK #	A	B	C	D	E	F	GROUP
Ripper Model: D3,953,943,931							
HL-8J-5299	3.00"	1.50"	17.25"	2.00"		1.00"	J200
HL-1U-1257	4.38"	2.00"	19.62"	3.50"		1.44"	J250
Ripper Model: D4,963,955,941,12,14,130,140,143H,160H,163,05M							
HL-9J-8913	5.50"	2.38"	20.00"	3.75"		1.88"	R300
HL-9J-8586	5.50"	2.25"	21.00"	3.50"		1.88"	R300
Ripper Model: D7,D6,D5,983,977,973,16							
HL-9J-3139	6.88"	2.88"	28.50"	4.00"		2.12"	R350
HL-9J-8923	7.00"	3.00"	28.50"	4.00"		2.12"	R350
HL-7J-8671	7.00"	3.00"	34.34"	4.50"		2.12"	R350
HL-9J-1642	8.75"	2.75"	48.38"	4.00"	9.00"	2.38"	R350
Ripper Model: D8K,D8L,D8R (8Y-8814/8E-1848 WF) YU = RX-2017-C							
RJ-809059-YU-36	13.00"	2.94"	58.42"	3.15"	9.85"	3.38"	36L9T
HL-4T-0136	13.00"	2.94"	58.80"	3.15"	9.85"	3.38"	R450
HL-7J-1795	13.00"	2.94"	62.20"	4.00"	10.00"	3.38"	R450
RJ-810062-YU-36	13.00"	2.94"	61.82"	4.00"	10.00"	3.38"	36L9T
HL-7J-1794	13.00"	2.94"	69.20"	4.00"	10.00"	3.38"	R450
RJ-812075-YU-36	13.00"	2.94"	74.62"	4.25"	12.00"	3.38"	36L9T
HL-4T-0135	13.00"	2.94"	75.00"	4.25"	12.00"	3.38"	R450
RJ-812079-YU-36	13.00"	2.94"	79.00"	4.25"	12.00"	3.38"	36L9T
HL-4T-8989	13.00"	2.94"	79.35"	4.25"	12.00"	3.38"	R450
RJ-814097-YU-36	13.00"	2.94"	96.22"	4.25"	24.00"	3.38"	36L9T
HL-4T-0134	13.00"	2.94"	96.60"	4.25"	24.00"	3.38"	R450
Ripper Model: D9N,D9R,D8K,D8N,D8R (8J-8814/8E-1848 WF) YU = RX-2017-C							
RJ-809063-YU-36	13.00"	2.94"	62.82"	3.15"	9.85"	3.38"	36L9T
HL-4T-8990	13.00"	2.94"	63.20"	3.15"	9.85"	3.38"	R450
HL-8E-5346	13.00"	2.94"	63.40"	3.15"		3.70"	R450
RJ-813092-YU-36	13.00"	2.94"	91.27"	4.25"	11.62"	3.38"	36L9T
HL-9W-6167	13.00"	2.94"	91.65"	4.25"	11.62"	3.38"	R450
Ripper Model: D9H,D9N,D9R,D8K (8J-8814/8E-1848 WF) YC = RX-1863							
RN-804084-YC-38	14.00"	3.50"	83.92"	4.25"	12.00"	3.38"	38L9T
HL-7J-1792	14.00"	3.50"	84.30"	4.25"	12.00"	3.38"	R450
HL-8E-5339	14.00"	3.50"	91.80"	4.25"	11.62"	3.38"	R450
RN-804106-YC-38	14.00"	3.50"	105.92"	4.25"	12.00"	3.38"	38L9T
HL-7J-1793	14.00"	3.50"	106.30"	4.25"	12.00"	3.38"	R450
HL-4T-8988	14.00"	3.50"	108.50"	4.25"	20.88"	3.38"	R450
Ripper Model: D10N,D10R,D9L (**8Y-9704 WF) (**9W-8365) YC = RX-1863							
RN-805072-YC-38	14.00"	3.50"	71.22"	4.00"	9.78"	4.90"	38L9T
HL-8E-8415	14.00"	3.50"	71.60"	4.00"	9.78"	4.90"	R500***
HL-9J-5954	14.00"	3.50"	71.60"	4.00"	9.78"	3.88"	R500***
HL-6Y-6141	14.00"	3.50"	71.75"	3.90"	10.00"	4.56"	R500***
RN-801091-YC-38	14.00"	3.50"	91.12"	8.66"	8.66"	3.88"	38L9T
HL-6Y-6138	14.00"	3.50"	91.50"	8.66"	8.66"	3.88"	R500***
HL-8E-8414	14.00"	3.50"	91.50"	8.66"	17.34"	3.88"	R500***
HL-9W-4426	14.00"	3.50"	91.50"	8.66"	8.66"	3.88"	R500*
RN-802111-YC-38	14.00"	3.50"	110.82"	8.66"	17.34"	3.88"	38L9T
HL-6Y-6144	14.00"	3.50"	111.20"	8.66"	17.34"	3.88"	R500***
HL-9W-4427	14.00"	3.50"	111.20"	8.66"	17.34"	3.88"	R500*
HL-3G-8566	14.00"	3.50"	113.50"	8.72"	9.50"	4.00"	R500*
Ripper Model: D10N (**8Y-9704 WF) (**9W-8365 WF)							
HL-3G-2088	14.00"	3.50"	91.00"	8.72"	8.66"	3.88"	R500*
HL-6Y-6147	14.96"	3.50"	101.77"	8.66"	26.00"	3.88"	R500***
HL-8E-8417	14.96"	3.50"	118.00"	8.66"	17.34"	3.88"	R500***
HL-9W-8366							R500***
Ripper Model: D10 (**8Y-9704 WF) (**8Y-8960 WF) YC = RX-1863							
R9-806110-YC-38	15.75"	3.94"	110.31"	7.88"	12.59"	3.88"	38L9T
HL-6Y-4679	15.75"	3.94"	110.70"	7.88"	12.59"	3.88"	R500**
HL-7T-5130							R500*
Ripper Model: D10R (**8Y-8960 WF)							
HL-11B-2140	15.75"	3.94"	98.80"	5.90"	13.98"	4.50"	R500
Ripper Model: D11N,D10 (3G-9594 WF) (**8Y-9704 WF) (**8Y-8960 WF) YC = RX-1863							
R9-807078-YC-38	15.75"	3.94"	77.47"	4.00"	11.00"	3.88"	38L9T
HL-6Y-5616	15.75"	3.94"	77.85"	4.00"	11.00"	3.88"	R500**
HL-7T-5131	15.75"	3.94"	77.85"	4.00"	11.00"	3.88"	R500*
HL-1U-4873	15.75"	3.94"	80.00"	4.00"	15.00"	4.50"	R500*
HL-3G-6507	15.75"	3.94"	81.31"	4.00"	14.00"	4.50"	R500
Ripper Model: D11N (9N-4621 WF)							
HL-104-9277	17.72"	4.33"	107.60"	8.66"	11.00"	4.50"	R550
HL-104-9276	17.72"	4.33"	129.60"	8.66"	22.00"	4.50"	R550

# H&L® & Cat® Style Ripper Shanks



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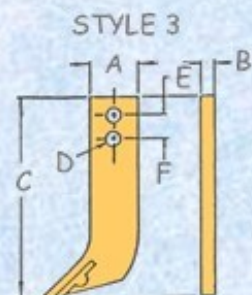
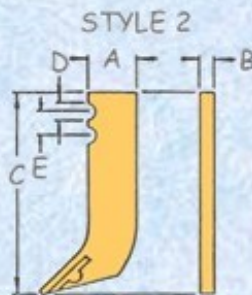
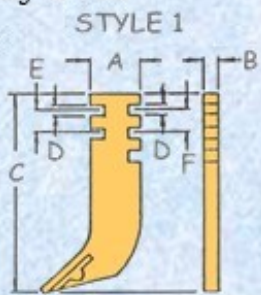
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# H&L® AND CAT® STYLE SCARIFIER SHANKS

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\*A\* Style Scarifier



H&L #	Tooth	Pin	Type	Notches	A	B	C	D	E	F
G-669-0	09F	NONE	1	1F	1.50"	.50"	7.12"	.38"		
G-163-M9-3/4	13/49F	NONE	1	1F	2.48"	.75"	12.09"	.53"		
G-163-AT-3/4	13/49F	NONE	1	2F	2.48"	.75"	15.20"	.53"	2.50"	
G-163-CD-3/4	13/49F	NONE	1	25/2F	2.48"	.75"	15.50"	.53"	2.50"	3.00"
G-163-HW-3/4	13/49F	NONE	1	2F	2.48"	.75"	15.50"	.53"	2.50"	
G-163-DD-3/4	13/49F	NONE	1 & 3	2F/1 HOLE	2.48"	.75"	15.50"	.50"	2.12"	
G-163-5W-3/4	13/49F	NONE	1	35	2.48"	.75"	17.00"	.53"	3.62"	
G-840-3/4	13/49F	NONE	2	2F	2.50"	.75"	17.62"	.50"	4.00"	
G-902-3/4	13/49F	NONE	1	35	2.50"	.75"	18.62"	.75"		1.50"
G-883-3/4	13/49F	NONE	1A	1F	2.50"	.75"	19.00"	.56"		
G-163-Y-3/4	13/49F	NONE	1	1	2.50"	.75"	19.12"	.50"		
G-959-3/4	13/49F	NONE	1	2F/15	2.50"	.75"	21.88"	.62"	4.00"	
G-346-3/4	13/49F	NONE	1		2.50"	.75"				
G-110-3/4	13/49F	NONE	2	2F	2.88"	.75"	14.50"	.75"	2.50"	
HL-55-6251	HL6Y5230	NONE	1	35	2.50"	1.00"	15.38"	.75"	1.50"	
G-1037-21	219F	21FF	3	1 HOLE	3.00"	1.00"	12.50"	1.06"	1.50"	
G-1060-1L	HL6Y5230	NONE	3	2 HOLES	3.00"	1.00"	14.00"	.69"	2.00"	
HL-9F-5124	HL6Y5230	NONE	1	3F	3.00"	1.00"	16.00"	.75"	1.50"	
G-360-21	219F	21FF	1	2F	3.00"	1.00"	17.00"	1.00"	2.00"	
HL-55-0947	HL6Y5230	NONE	1	35	3.00"	1.00"	17.00"	.80"	1.50"	
HL-5-0940	HL6Y5230	NONE	1	2F/35	3.00"	1.00"	17.75"	.93"	1.50"	1.50"
G-205-1L	1L9F	NONE	1	25/2F	3.00"	1.00"	18.62"	.78"	1.62"	1.62"
G-205-21	219F	21FF	1	25/2F	3.00"	1.00"	18.62"	.78"	1.62"	1.62"
G-841-21	219F	21FF	3	2 HOLES	3.00"	1.00"	18.62"	.81"	4.25"	2.50"
G-877-5-1L	HL6Y5230	NONE	1	35	3.00"	1.00"	19.00"	.75"		1.50"
G-1050-1L	1L9F	NONE	1	2F/15	3.00"	1.00"	19.00"	.88"	3.00"	
G-508-21	219F	21FF	1	2F	3.00"	1.00"	19.25"	1.00"	2.00"	
G-692-21	219F	21FF	1	2F	3.00"	1.00"	19.25"	.78"	2.00"	
G-950-21	219F	21FF	3	2 HOLES	3.50"	1.00"	21.06"	1.09"	1.38"	2.00"
G-621-24	219F	21FF	3	1 HOLE	3.00"	1.25"	26.00"	1.06"	1.50"	
G-1005-23	2309T	23FF	1	1F	3.50"	1.25"	19.25"	1.06"		
G-1006-22	229F	22FF	3	3 HOLES	3.50"	1.25"	23.50"	.81"	1.62"	3.00"
G-1023-23	2309T	23FF	3	2 HOLES	3.00"	1.50"	19.62"	.88"	4.25"	2.50"
R-560-24	2409T	24FF	3A	1 HOLE	3.94"	1.50"	22.95"	1.06"	2.00"	
G-839-K-24	2409T	24FF	3	1 HOLE	4.00"	1.50"	22.00"	1.06"	4.50"	
G-839-J-24	2409T	24FF	3	1 HOLE	4.00"	1.50"	26.00"	1.06"	6.50"	
G-839-A-24	2409T	24FF	3	2 HOLES	4.00"	1.50"	30.85"	1.06"	7.00"	4.00"
R-506-24	2409T	24FF	3	1 HOLE	5.51"	1.50"	25.67"	1.69"	5.31"	
G-188-U-25	2529T	25-26FF	3	1 HOLE	4.00"	2.00"	18.50"	1.56"	1.56"	
G-574-25	2529T	25-26FF	3	1HOLE	4.00"	2.00"	25.50"	.81"	9.00"	
G-374-24	2409T	24FF	1	25	4.00"	2.00"	30.50"	1.12"	4.00"	
G-839-F-25	2529T	25-26FF	3	3 HOLES	4.00"	2.00"	35.93"	1.06"	8.12"	4.00"
G-996-A-25	2529T	25-26FF	3	2 HOLES	5.00"	2.00"	28.80"	2.03"	2.50"	9.00"
R-507-C-25	2529T	25-26FF	3	3 HOLES	7.00"	2.00"	32.50"	2.25"	5.00"	3.50"
G-1040-18	189F-R	18FF	3	4 HOLES	4.88"	2.50"	43.00"	1.12"	5.00"	4.00"
G-1024-25	2529T	25-26FF	3	2 HOLES	5.50"	2.50"	24.00"	1.81"	5.20"	4.00"
G-1024-A-18	189F-R	18FF	3	2 HOLES	5.50"	2.50"	25.20"	1.81"	5.20"	4.00"
G-1024-B-18	189F-R	18FF	3	2 HOLES	5.50"	2.50"	27.20"	1.81"	5.20"	4.00"
G-910-F-18	189F-R	18FF	3	5 HOLES	5.00"	2.88"	45.00"	1.50"	9.00"	4.00"
G-910-F-19	199T-R	19-36FF	3	5 HOLES	5.00"	2.88"	45.00"	1.50"	9.00"	4.00"
G-910-K-18	189F-R	18FF	1		5.00"	2.88"	45.00"			

# H&L® CAT® STYLE TEETH

## FORGED J-SERIES TOOTH SYSTEMS

Made in the USA



SHORT



LONG



HEAVY DUTY LONG



ABRASION



HL-9W-2359 CLAW  
PENETRATION

TulsaMADE



ROCK  
PENETRATING  
STAR



HL-7Y-0602  
HEAVY LONG



HL-4T-4703  
ABRASION



HL-6I-8802RPS ROCK  
PENETRATING STAR

Group	Short Tip	Long Tip	Abrasion Tip	"RPS" Tip	Speciality Tip
J-200		HL-1U-3202			
J-250	HL-1U-3251	HL-1U-3252	HL-4T-2253		
J-300	HL-1U-3301	HL-1U-3302	HL-4T-2303		
J-350	HL-1U-3351	HL-1U-3352	HL-4T-2353		HL-9W-2359
J-400	Available in castings only, see page 17				
J-450	HL-9W-8451	HL-9W-8452	HL-9N-4453	HL-9N-4452RPS	
J-550	HL-9W-8551	HL-9W-8552	HL-9W-1553	HL-9N-4552RPS	
J-600			HL-7Y-0602		
J-700			HL-4T-4703		
J-800				HL-6I-8802RPS	

### PINS AND RETAINERS FOR CAT® J-SERIES



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GROUP	PIN	RETAINER
J-200	HL-9W-7112	HL-4T-0001
J-225	HL-6Y-3228	HL-8E-6259
J-250	HL-9J-2258P	HL-8E-6259
J-300	HL-9J-2308P	HL-8E-6259
J-350	HL-8E-6358	HL-8E-6359
J-400	HL-7T-3408	HL-7T-3409
J-450	HL-6Y-2527	HL-8E-6359
J-460	HL-8E-0468	HL-8E-8469
J-550	HL-6Y-8558	HL-8E-5559
J-600	HL-113-9608	HL-113-9609
J-700	HL-9U-9616	HL-4T-4707
J-800	HL-134-1808	HL-134-1809

# H&L<sup>®</sup> CAT<sup>®</sup> STYLE ADAPTERS

## J-SERIES GET SYSTEMS



**1AW STYLE**



**1BW STYLE**



**1CW STYLE**

### STANDARD DOUBLE STRAP ADAPTER - 1AW STYLE

Lip	Center	Right Hand	Left Hand	Model	J-Series
4.00"	HL-6I-8804			994	J800
2.50"	HL-3G-9494	HL-3G-9495	HL-3G-9496	990-992	J550
2.00"	HL-4T-7554	HL-4T-7555	HL-4T-7556	988	J550
2.00"	HL-8E-3464	HL-8E-3465	HL-8E-3466	988-983	J460
2.00"	HL-114-0464	HL-114-0465	HL-114-0466	988	J460
1.75"	HL-125-8404	HL-125-8405	HL-125-8406	980	J400

### FLUSHMOUNT ATTACHING ADAPTER - 1BW STYLE

Lip	Center	Right Hand	Left Hand	Model	J-Series
2.50"-3.00"	HL-119-9604			992G	J600
2.00"-2.50"	HL-3G-4554	HL-3G-4555	HL-3G-4556	992C	J550
2.00"-2.50"	HL-7J-9554	HL-7J-9555	HL-7J-9556	992B	J550
1.75"-2.00"	HL-8E-0464	HL-8E-0465	HL-8E-0466	988-983	J460
1.25"-1.75"	HL-1U-1354	HL-1U-1355	HL-1U-1356	980-977-973-966D	J350
1.00"-1.50"	HL-1U1304			966C-963-955-950	J300
0.75"-1.25"	HL-1U-1254			951-943-941-936 930-926-920-916	J250
0.50"=1.00"	HL-4T-1204			935-931-910	J200

### BOTTOM STRAP ADAPTER - 1CW STYLE

Lip	Center	Right Hand	Left Hand	Model	J-Series
2.00"-2.50"	HL-9J-3662	HL-9J-3663	HL-9J-3664	992	J550
1.62	HL-3G-8354			215,219,225,229	J350
1.57"	HL-1U-1350	HL-1U-1351	HL-1U-1352	988-983	J460
1.25"-1.75"	HL-1U-1350	HL-1U-1351	HL-1U-1352	988-983	J460
1.00"-1.25"	HL-9J-8929			966C-963-955-950	J300
1.00"-1.25"	HL-3G-0169			953-951-943-941-936 930-926-920-916	J250
0.50"-0.75"	HL-8J-7525			935-931-910	J200

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1-800-HL TOOTH (1-800-458-6684)

0782007

16a



# H&L® CAT® BOLT-ON ADAPTERS



## LOADERS, BOLT-ON ADAPTERS



IA



IA\*

MODEL	1T12, 910, 931, 935	416, 426, 428	1T18, 1T28 916, 920, 926, 930, 936, 941, 943, 951, 953	950, 955	950B, 955 963	966C
LIP THICKNESS	.75 19	.80 20	1.00 25	1.00 25	1.25 32	1.25 32
ADAPTER	HL-9J-4207	HL-9W-6207	HL-1U-0257	HL-1U-0307	HL-4T-4307	HL-3G-5307
BOLT DIA	.75 19	.63 16	1.00 25	1.00 25	1.00 25	1.00 25
EDGE THICKNESS	.75 19	.80 20	1.00 25	1.00 / 1.25 25 / 32	1.00 / 1.25 25 / 32	1.25 32
CORNER ADAPTER	L HL-1U-2208 R HL-1U-2209	---	HL-3G-4258 HL-3G-4259	HL-3G-4308 HL-3G-4309	HL-3G-4308 HL-3G-4309	HL-3G-8308 HL-3G-8309
BOLT DIA	.75 19	---	1.00 24	1.25 32	1.25 32	1.25 32
TOOTH GROUP	CG-1 HL-1U-3202 LONG	CG-1 HL-1U-3202 LONG	CG-2 HL-1U-3252 LONG	CG-3 HL-1U-3302 LONG	CG-3 HL-1U-3302 LONG	CG-3 HL-1U-3302 LONG
PIN	HL-9W-7112	HL-9W-7112	HL-9J-2258	HL-9J-2308	HL-9J-2308	HL-9J-2308
RETAINER	HL-4T-0001	HL-4T-0001	HL-3G-9609	HL-3G-9609	HL-3G-9609	HL-3G-9609
MODEL	966C	966C	977	966D, 973, 977	966D, 973, 977	980
LIP THICKNESS	1.25 32	1.25 32	1.25 32	1.50 38	1.50 38	1.75 44
ADAPTER	HL-3G-9307	HL-3G-7357	HL-3G-1357	HL-3G-3357	HL-8E-3467	HL-3G-2357
BOLT DIA	1.25 32	1.25 32	1.00 25	1.25 32	1.25 32	1.00 25
EDGE THICKNESS	1.25 32	1.25 32	1.25 / 1.50 32 / 38	1.25 / 1.50 32 / 38	1.50 38	1.75 44
CORNER ADAPTER	L --- R ---	---	HL-3G-5358 HL-3G-5359	HL-3G-5358 HL-3G-5359	HL-8E-3469 HL-8E-3468	HL-1U-1358 HL-1U-1359
BOLT DIA	---	---	1.25 32	1.25 32	1.25 32	1.25 32
TOOTH GROUP	CG-4 HL-1U-3352 LONG	CG-4 HL-1U-3352 LONG	CG-4 HL-1U-3352 LONG	CG-4 HL-1U-3352 LONG	CG-5 HL-9W-8452 LONG	CG-4 HL-1U-3352 LONG
PIN	HL-9W-2678	HL-9W-2678	HL-9W-2678	HL-9W-2678	HL-8E-0468	HL-9W-2678
RETAINER	HL-3G-9549	HL-3G-9549	HL-3G-9549	HL-3G-9549	HL-8E-8469	HL-3G-9549
MODEL	980	980, 988				
LIP THICKNESS	1.75 44	1.75 44				
ADAPTER	HL-1U-1357	HL-8E-2467				
BOLT DIA	1.25 32	1.25 32				
EDGE THICKNESS	1.75 44	1.75 44				
CORNER ADAPTER	L HL-1U-1358 R HL-1U-1359	HL-8E-2469 HL-8E-2468				
BOLT DIA	1.25 32	1.25 32				
TOOTH GROUP	CG-4 HL-1U-3352 LONG	CG-5 HL-9W-8452 LONG				
PIN	HL-9W-2678	HL-8E-0468				
RETAINER	HL-3G-9549	HL-8E-8469				

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# Value-Cast Cat® J-SERIES TEETH

Full FACTORY WARRANTY

© H&L Tooth Company 2015



LONG TIP



SINGLE SHARP



ROCK CHISEL



TWIN SHARP

All H&L  
Products are  
WARRANTED  
against  
premature  
breakage!

Group	Long Tip	Single Sharp	Twin Sharp	Rock Chisel
J-200	CX-1U-3202	CX-1U-3202T	CX-1U-3202WT	
J-225	CX-6Y-3222	CX-6Y-3222TL	CX-6Y-3222WTL	
J-250	CX-1U-3252	CX-1U-3252T	CX-1U-3252WT	
J-300	CX-1U-3302	CX-1U-3302TL	CX-1U-3302WTL	
J-350	CX-1U-3352	CX-1U-3352TL	CX-1U-3352WTL	CX-1U-3352RC
J-400	CX-7T-3402	CX-7T-3402TL	CX-7T-3402WTL	
J-450	CX-1U-3452	CX-1U-3452TL	CX-1U-3452WTL	CX-1U-3452RC
J-550	CX-1U-3552	CX-1U-3552TL	CX-1U-3552WTL	CX-9N-8552RC
J-600	CX-6I-6602			CX-6I-6602RC

## FORGED H&L CAT® RIPPER STYLE TEETH

HL-6Y-5230  
Forging



CX-6Y-5230  
Value-Cast



STAR

Group	Short Star	Star Tip	Long Tip
R-300		HL-6Y-0309ST	
R-350		HL-6Y-0359ST	
R-450	HL-9W-2451ST	HL-9W-2452ST	HL-4T-4453
R-500	HL-4T-4501ST	HL-4T-4502ST	HL-4T-4503



## PINS AND RETAINERS FOR CAT® R-SERIES

GROUP	PIN	RETAINER	PIN/RETAINER
R-300	HL-9W-2668	HL-1U-2405	
R-350	HL-9W-2678	HL-1U-2405	
R-450	HL-6Y-3394	HL-8E-4743	HL-4T-2479
R-550	HL-6Y-3909	HL-6Y-1202	HL-3G-0500

® is a registered trademark of  
the respectively named Company.

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

# Value-Cast Cat<sup>®</sup> J-SERIES TEETH

Full FACTORY WARRANTY

© H&L Tooth Company 2015



LONG TIP



SINGLE SHARP



ROCK CHISEL



TWIN SHARP

All H&L  
Products are  
WARRANTED  
against  
premature  
breakage!

Group	Long Tip	Single Sharp	Twin Sharp	Rock Chisel
J-200	CX-1U-3202	CX-1U-3202T	CX-1U-3202WT	
J-225	CX-6Y-3222	CX-6Y-3222TL	CX-6Y-3222WTL	
J-250	CX-1U-3252	CX-1U-3252T	CX-1U-3252WT	
J-300	CX-1U-3302	CX-1U-3302TL	CX-1U-3302WTL	
J-350	CX-1U-3352	CX-1U-3352TL	CX-1U-3352WTL	CX-1U-3352RC
J-400	CX-7T-3402	CX-7T-3402TL	CX-7T-3402WTL	
J-450	CX-1U-3452	CX-1U-3452TL	CX-1U-3452WTL	CX-1U-3452RC
J-550	CX-1U-3552	CX-1U-3552TL	CX-1U-3552WTL	CX-9N-8552RC
J-600	CX-6I-6602			CX-6I-6602RC

## PINS AND RETAINERS FOR CAT<sup>®</sup> J-SERIES



GROUP	PIN	RETAINER
J-200	HL-9W-7112	HL-4T-0001
J-225	HL-6Y-3228	HL-8E-6259
J-250	HL-9J-2258P	HL-8E-6259
J-300	HL-9J-2308P	HL-8E-6259
J-350	HL-8E-6358	HL-8E-6359
J-400	HL-7T-3408	HL-7T-3409
J-450	HL-6Y-2527	HL-8E-6359
J-460	HL-8E-0468	HL-8E-8469
J-550	HL-6Y-8558	HL-8E-5559
J-600	HL-113-9608	HL-113-9609
J-700	HL-9U-9616	HL-4T-4707
J-800	HL-134-1808	HL-134-1809

# CASE® AND DEERE® CROSS REFERENCE NUMBERS

Sorted by **Deere®** NUMBER

H&L TOOTH #	DEERE
C-18-20MLK	PM18LK
C-18-20MPN	PM18PN
CF-18LP	PM18TL
230ST	S230
1 3/4SP	T034
230SP	T230
230T9	T230HD
230SP	T230SP
230TT7	T230TT
230TT7	T230WT
23HW	T23F
23FP	T23P
23LR	T23R
240SP	T240
24FP	T24P
252SP	T252
252ST	T252ST
C-25-30LK	T2530LK
C-25/30PN	T2530PN
25-26FP	T25P
C-25S	T25S
272SP	T271
20-27FP	T27P
2AH	T2A
CX-30S	T30S
C-40PN	T33147
C-40S	T33187
C-35/40LK	T3540LK
C-35PN	T35PN
C-35S	T35S
2740-MW-23	T36126
3CH	T3C
23FP	T40910
C-45LK	T47164
C-45PN	T47165
C-45S	T47166
230SP	T54317
230ST	T56524
23HW	T72548
252ST	T72581
252P	T72582
252SP	T72583
230CLAW	TF23D
230DFP	TF23P
23CFP	TF23P
23DFP	TF23P
2AH	U10577
D-835-2A	U10580
D-834-Y-23	U13928
23SP	U13929
D-834-3C	U14436
3CH	U14437
2740-AW-23	U42750
2740-W-23	U43792
2740-FW-25	U45349
25-26FP	U45574
HL-6Y-5230	T114793

Sorted by **Case®** NUMBER

H&L TOOTH #	CASE
R-506-24	122236A1
R-507-C-25	122237A1
R-560-24	221535A1
230SP	442677A1
230SP	442687A1
2740-MW-23	B900567
2740-AW-23	B900568
251-212-06	B91258
L-3623-25	B91259
L-3638-B-27	B91260
L-3638-A-27	B91261
2740-W-23	B91262
L-3445-A-23	B91264
L-3445-D-23	B91265
L-3679-24	B91267
L-3679-A-24	B91268
L-3679-25	B91269
L-3623-B-25	B91270
L-2021-F-24	B91271
L-4108-BF-24	B91272
L-3637-25	B91275
L-3637-A-25	B91276
L-3679-A-25	B91279
D-834-23	B91340
D-834-Y-23	B91340
230ST	B96108
L-2520-BW-2A	D127918
2740-AEW-25	D129197
23FP	D134686
230CTT	D136045
2740-AFW-23	D136811
2740-AFW-23	D138157
230CTT	D140561
230TT7	D136045
D-834-3C	D26368
3CH	D27748
252SP	D31312
3CH	D36729
24SP	D39090
23SP	D39093
23FP	D39094
24FP	D39448
L-2520-W-2A	D40472
23LR	D44193
2740-ZW-23	D48212
L-3445-23	D49586
230SP	D51750
240ST	D54258
252SP	D55468
252ST	D59702

H&L TOOTH #	CASE
230ST	D79100
230T9	D80119
2740-ZW-23	D91886
0SP	H34546
D-862-2A	H36657
D-835-2A	H61283
1 3/4SP	K3871
25-26FP	L32090
2740-AW-25	L43254
240SP	L55608
20-27FP	R29117
C-30S	R31915
C-25/30PN	R31916
CF-18LP	R35317
C-18-20MPN	R35318
C-18-20MLK	R35319
C-25S	R35707
272SP	R51388
272ST	R54257
C-35/40LK	S90192
C-35S	S91259
C-35PN	S91265
C-30S	S96431
2AH	T41166
G-163-CD-3/4	T42054
23DLFP	ZJZ23DLFP
23HW	ZJZ23H

# H&L's FORGING BY UPSETTER PROCESS

QUALITY  
since  
1931



1. The "BILLET", a Chrom-Moly grade steel round, is heated to 2250° F by electrical induction process.



2. First pass in the 4" Upsetter gathers steel to ensure adequate material flow.



3. Second pass defines the first 1/3rd of the pocket and tooth blade.



4. Third cavity continues the forming of the pocket.



5. Final forge cavity fully forms the tooth pocket and blade.

Parts are heat treated,  
sand blasted and painted.

MADE IN THE USA!

8. Holes are punched.



7. Vertical flash is trimmed.



6. Horizontal flash is trimmed.



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## **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-HL TOOTH (1-800-458-6684)**

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

## **H&L<sup>®</sup> FACTORY WARRANTY!**

The H&L<sup>®</sup> Tooth Company warrants all H&L<sup>®</sup> Products against defects in material and workmanship for a period of thirty days.

Visit **[www.hltooth.com](http://www.hltooth.com)** for our complete warranty and return policy.



Tulsa's 200,000 square foot manufacturing facility includes forging, fabrication, and heat treating facilities, and serves as our central distribution center.

**H&L Tooth Company**

10055 East 56th Street North, Tulsa, Oklahoma 74117