

H&L[®]

Ground Engaging Tools

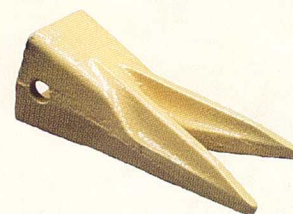
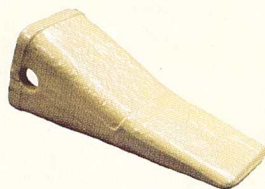
Wear Parts for:

•Cat[®] •Case[®] •Deere[®] •JCB[®] •Komatsu[®] •New Holland[®] and Others

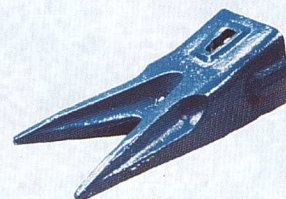
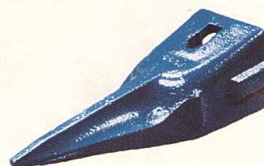
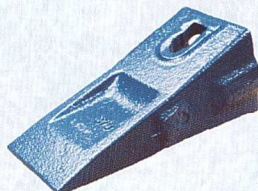
H&L[®]
Original
Products



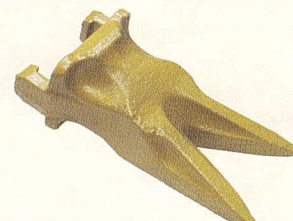
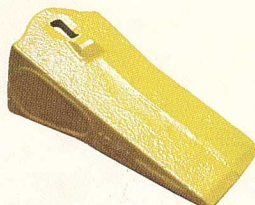
Cat[®]
Style
Teeth



Hensley[®]
Style
Teeth



Esco[®]
Style
Teeth



1-800 HL TOOTH

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

H&L® Ground Engaging Tools

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

Page Number

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•BACKHOE TEETH: H&L Original FORGED 230 Series

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•BACKHOE TEETH: Value-Cast 230 Teeth

•FABRICATED TEETH: H&L® Original 23-Series Teeth

5

•H&L® FLEXPIN®: 23-Series

•ADAPTERS: Backhoe, Excavator & Loader Adapters

•CRIMP-ON: Mini-Excavator & Backhoe Style Teeth

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•BACKHOE & LOADER TEETH AND ADAPTERS:

•H&L® Original 240-Series

•H&L® Original 252-Series

•H&L® Original 272-Series

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•H&L® RhombicGETsystem™: Teeth and Adapters
for Mini-Excavators, Backhoes and Excavators

8

•BUCKETS: Backhoe and Excavator

•Bucket Lip Conversions: 230 and 201e-Series

9

•H&L® Patented DeltaWing™ Lip Saver Teeth

NEW

11

•Esco® Style: Conical® and Helilok® Teeth

12

•Hensley® Style: Parabolic® Teeth

14

•RIPPER SHANKS: H&L® and Cat® Styles

15

•SCARIFIER SHANKS: H&L® and Cat® Style

Case® & Deere®
Machines

16

•CATERPILLAR STYLE TEETH AND ADAPTERS:

•Cat® Style FORGED Teeth

•Cat® Style Value-Cast Teeth

•Cat® Style Ripper FORGED Teeth

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•OEM Cross Over to H&L Numbers

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FOR YOUR BACKHOE:

The
ORIGINAL
SP

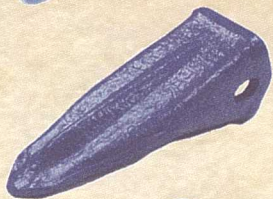


FORGED 23OSP

Sharp Penetration Tooth

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

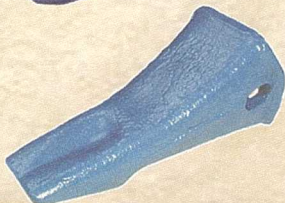
ST



FORGED 23OST

Star Ripping Tooth
Self-sharpening rib design!

CLAW

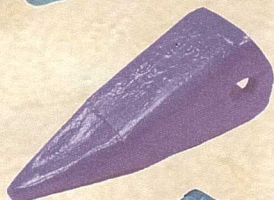


FORGED 23OCLAW

Fits existing 23-Series Adapters

"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!

T



FORGED 23OT

Single Tiger Tooth

T9



FORGED 23OT9

Single Sharp Tooth

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

TT7

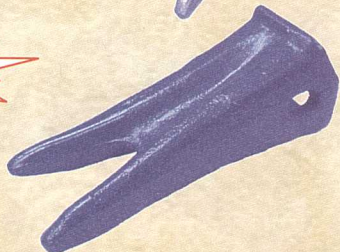


FORGED 23OTT7

Twin Sharp Tooth

20% Heavier than the Hensley® casting!
Great for cutting bucket corner clearances!

CTT



FORGED 23OCTT

Centerline & Reversible

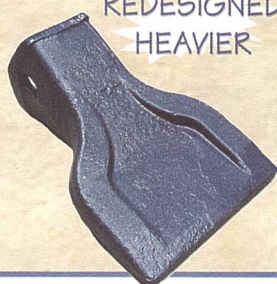
Heavier tynes enhance reliability.
Great for cutting bucket corner clearances!

**HEAVIER
TYNES**

**NEW
CORNER**



**REDESIGNED
HEAVIER**



FLARED 23OF and 23OFC

Heavy Duty Flared and Flared Corner Teeth

The **new** 23OF Flared Wide tooth provides a complete 4.50" cut for mud/clay applications!

23OFC Flared Corner tooth designed to cut flush with the bucket corner.

The most popular
tooth in the World!

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!

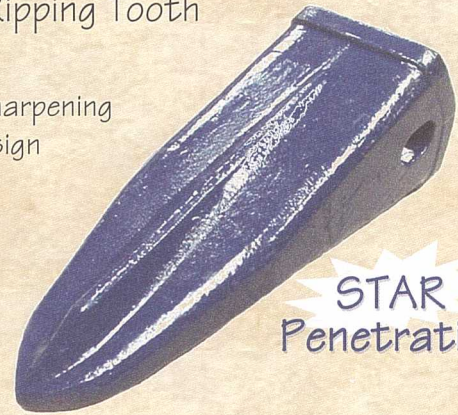


CAST
QUALITY!

VALUE-CAST 230CST

Star Ripping Tooth

Self-sharpening
Rib design



STAR
Penetration

VALUE-CAST 230THD

Cast Tiger Tooth

Medium duty
cast tooth for
most
applications!



H&L Factory
Inspected for
Quality

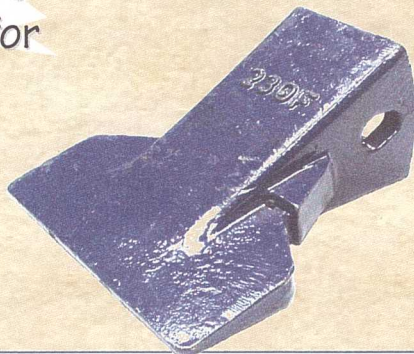
VALUE-CAST 230TW

Cast Twin Tiger Tooth

Medium duty cast Twin
Tiger style tooth for
most applications!



SHARPEST
TWIN



VALUE-CAST 230CF

Cast Flared Tooth

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

FABRICATED 23SP

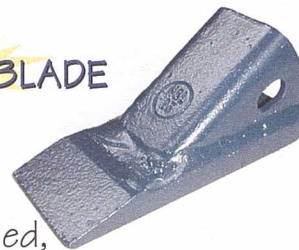
Fabricated Sharp Penetration
Submerged arc welded Tooth

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

FABRICATED 23LR

Fabricated Long Rock
Submerged arc welded Tooth

HARDENED BLADE

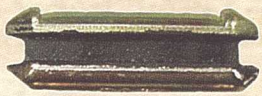


MADE IN
THE USA!

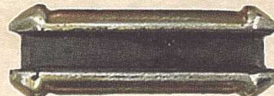
A forged blank
with a
fabricated clip
became the
Original 1934
H&L Patent



HEAVIER!



ORIGINAL
Flexpin Design



23DLFP Dual Lock Flexpin®
More locking power for worn adapters!

23 SERIES FLEXPINS®

The ORIGINAL 23FP Flexpin
All 23 Series Flexpins are built with sharp ends to ease installation!



Replaces
23CFP

23ODFP DeltaWing™
Flexpin®... Ideal for DeltaWing™ Teeth and worn assemblies requiring LONGER pins!

230 SERIES

Backhoe & Excavator Style Adapters

IDEAL FOR DEERE BUCKETS

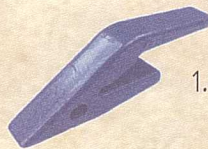
IDEAL FOR CASE BUCKETS



2740-MW-23



2740-AW-23



2740-W-23



D-834-23



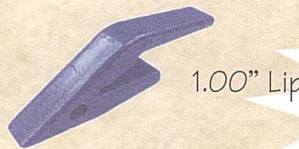
D-834Y-23



.62" Lip



.88" Lip



1.00" Lip

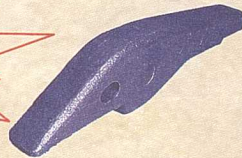


1.00" Lip



1.00" Lip

Loader Style

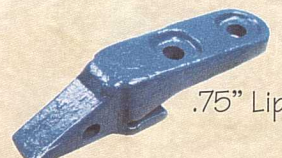


L-4107-LW-23



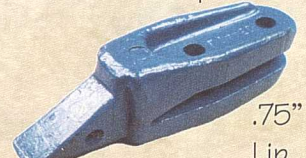
.62" Lip

L-3445-23



.75" Lip

L-3445-A-23



.75" Lip

L-3445-D-23

FABRICATED TEETH & ADAPTERS

"O" and "OO" SERIES

All fabricated tooth blanks are 100% THROUGH HARDENED!



OSP

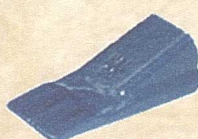


D-836-O Adapter

Welds to the bottom or top of the bucket lip!



D-838-O Adapter



OOSP



D-842-OO Adapter

Bottom-Strap Long Leg Adapters!



2898-W-OO Adapter

2A SERIES



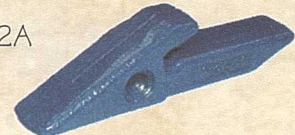
2AH

Mini-Excavators



D-862-2A Adapter

H&L Original 2A Series Tooth System!



D-835-2A Adapter

3C SERIES



3CHLR



D-925-3C Adapter

Small Backhoes

H&L Original 3C Series Tooth System!



D-834-3C Adapter

LARGER BACKHOE & LOADER UNIFORGED® TEETH & ADAPTERS

Made in the USA!

240 SERIES



24FP



240SP

FORGED IN THE USA



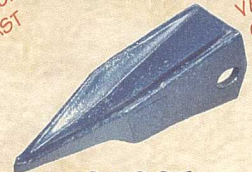
240ST

FORGED IN THE USA



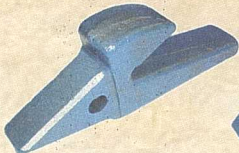
240CSP

VALUE
CAST



240CT

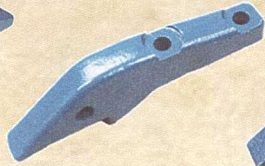
VALUE
CAST



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

FORGED IN THE USA



252SP

FORGED IN THE USA



252ST



3000-W-25



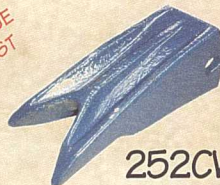
252CSP

VALUE
CAST



252CT

VALUE
CAST



252CWT

VALUE
CAST

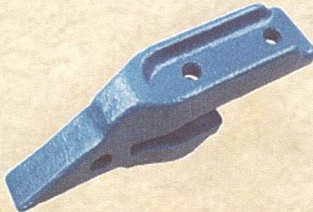


252CF

VALUE
CAST

2740-AW-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

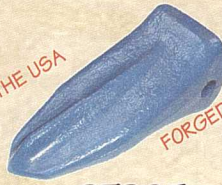


20-27FP



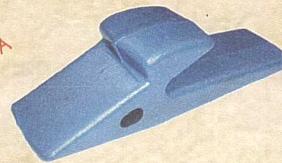
272SP

FORGED IN THE USA



272ST

FORGED IN THE USA



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!

RhombicGETsystem™

DIAGONALLY PINNED TOOTH SYSTEMS FOR

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

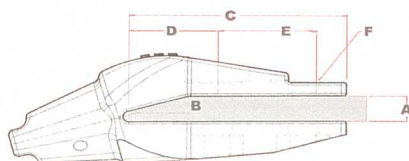
136e, 186e, 200e, 201e, 350, 351, 450 and 451 Series Teeth



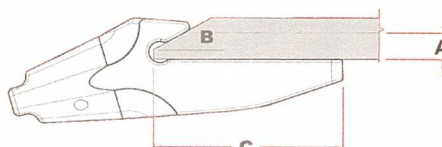
136e SERIES	A	B	C	D	E	F	WEIGHT	STYLE	REPLACES
L-3761-A-136e	.38"	0	3.50"	1.19"	1.75"	.56"	2.0#	1A - Roll Pin	CAT 138-6410
L-3760-A-186e	.62"	15	5.12"	2.12"	2.00"	.69"	4.8#	1A - Roll Pin	CAT 135-9390
D-835-136e	.75"	30	4.12"	WELD-ON			2.0#	1CW - Roll Pin	H&L D-835-2A
D-834-186e	.88"	30	4.00"	WELD-ON			3.5#	1CW - Roll Pin	H&L D-834-3C
2740-ZW-200e	1.00"	23	5.62"	WELD-ON			4.5#	1W - Pin & Retainer	H&L 2740-ZW-23
2740-ZW-201e	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 & Retainer	
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 & Retainer	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 & Retainer	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 & Retainer	ESCO 5857A-V51
3747-CW-451	2.50"	30	11.88"	WELD-ON			59.2#	1CW - Flexpin	ESCO 5857A-V51

RhombicGETsystem™ ADAPTER DIMENSIONS

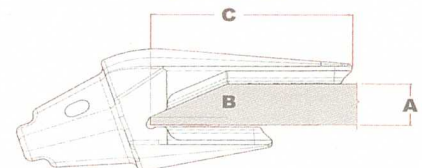
1A STYLE
Bolt-on ADAPTERS



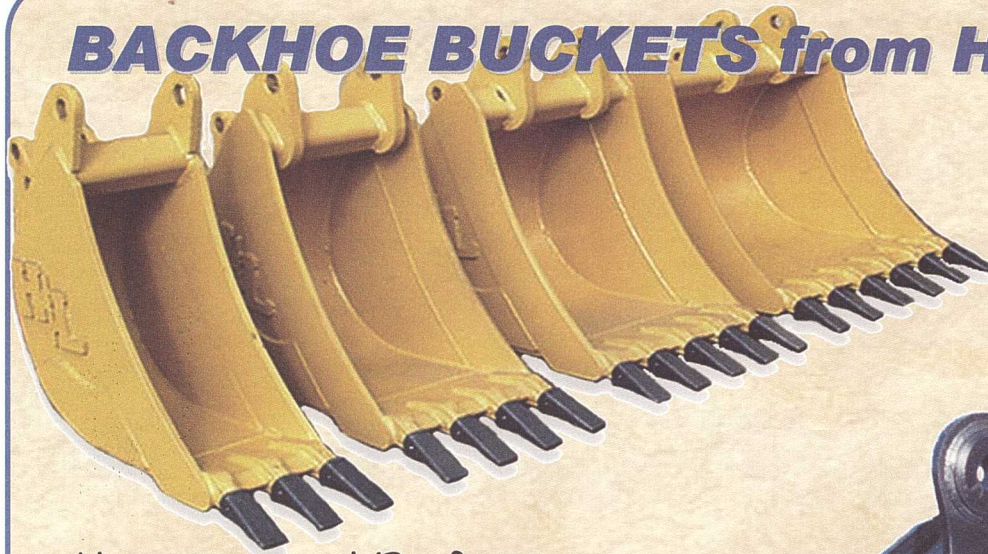
1CW STYLE
Weld-on ADAPTERS



1W STYLE Weld-on
ADAPTERS



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!

Excavator Buckets

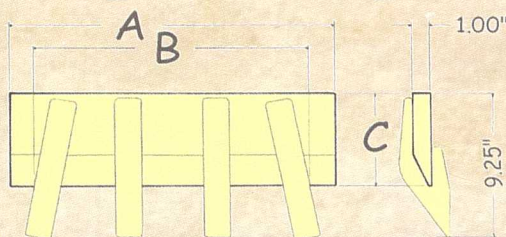
All Makes, Models and Sizes



**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#

H&L Tooth Company
DeltaWing™
Lip Saver System

***For Existing 23-Series
Backhoe Shanks***

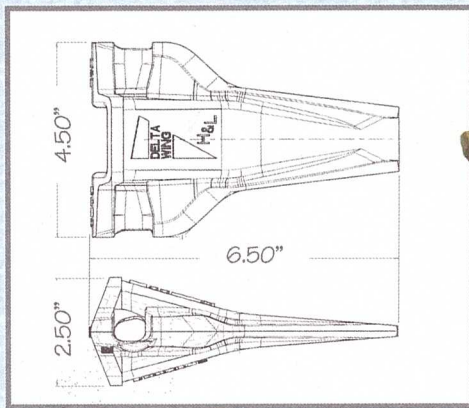
Fits:

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

Patented in the United States.

Foreign Patents pending.

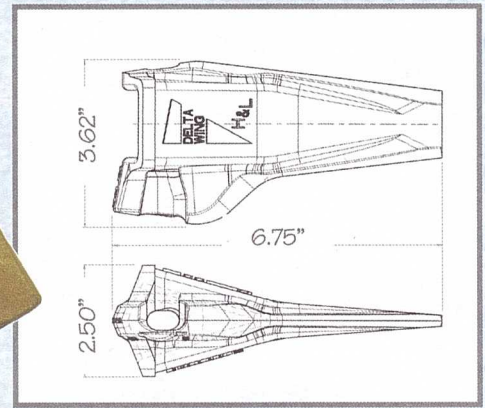
Full FACTORY WARRANTY



230SP-5 Sharp Penetration
3.2#/1.5kgs



230SP-5C
Teeth fit both
right or left
hand corners



230SP-5C Corner Penetration
2.9#/1.3kgs

230 SERIES DELTAWING™

Heavier
Construction
for Severe
Applications!



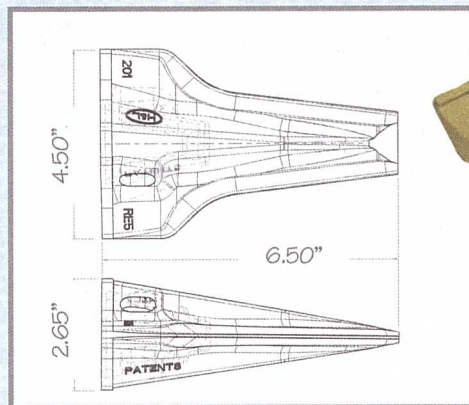
Increased Bucket Capacity!



NEW
Heavy Duty Rock Tip

230HD-5 Heavy Duty Rock
3.8#/1.7kgs

230HD-5C Teeth fit both right or left hand corners

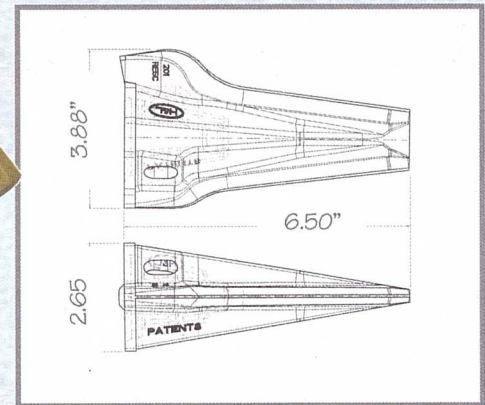


201RE-5 Sharp Penetration
3.3#/1.5kgs



201RE-5C Teeth
fit both right or
left hand corners

201e SERIES DELTAWING™



201RE-5C Corner Penetration
3.1#/1.4kgs

DeltaWing™ teeth

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

What's on your bucket?

All H&L Products are
WARRANTED against
premature breakage!



ESCO® STYLE TEETH

CONICAL® STYLE REPLACEMENT TEETH

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		

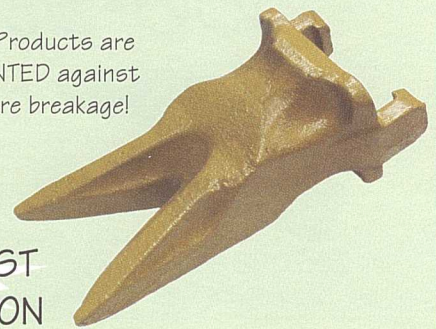
HELILOK® STYLE REPLACEMENT TEETH



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-21TVIP	7.1#
27	CX-27TVIP	10.0#
37	CX-37TVIP	16.8#
47	CX-47TVIP	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

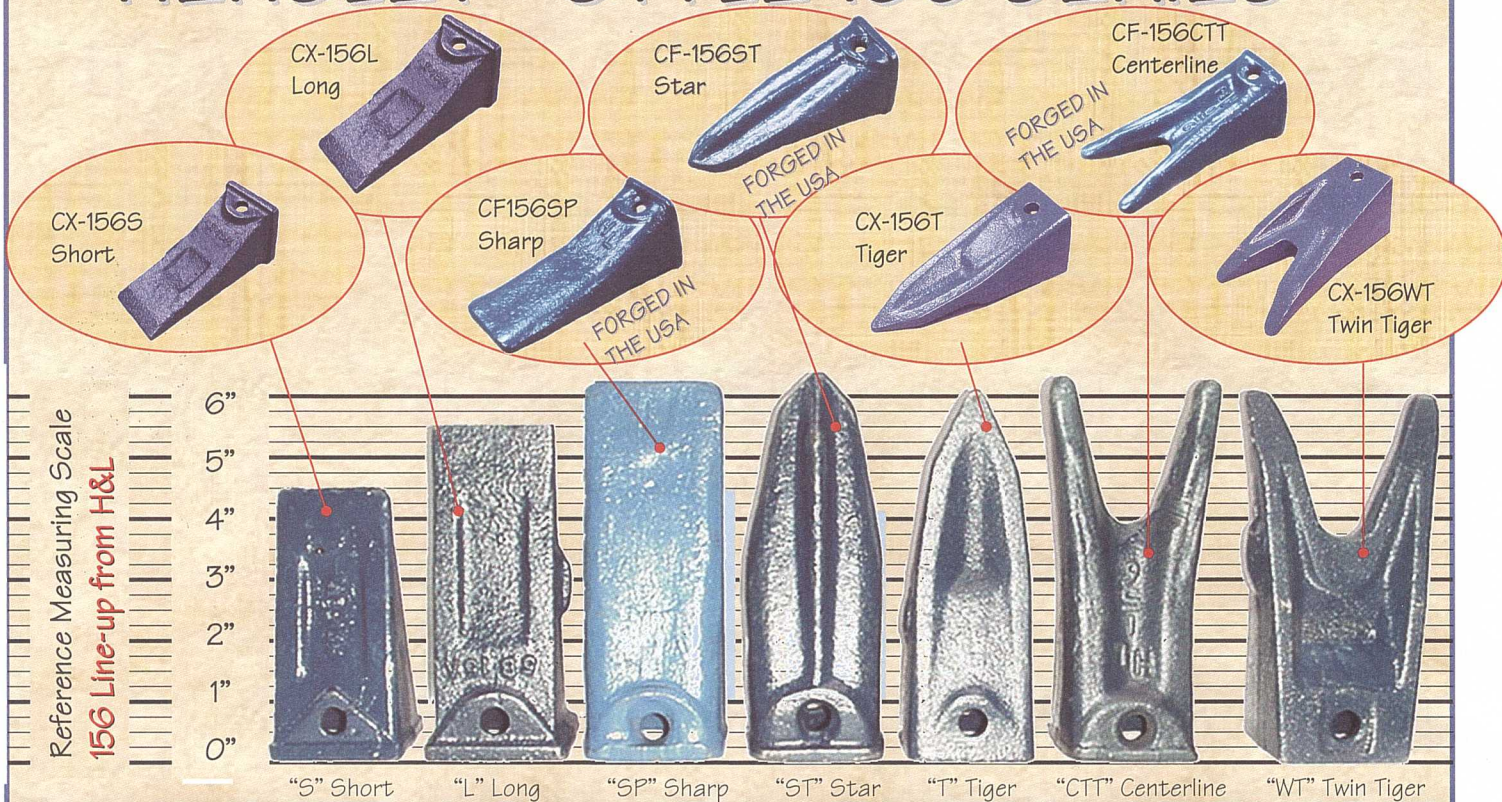


CONICAL PIN ATTACHMENTS

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

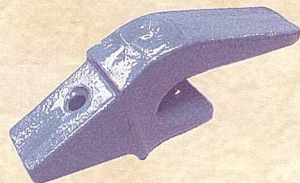
® is a registered trademark of the respectively named company. All manufacturer's names, numbers, symbols and descriptions are used for reference purposes only..

HENSLEY® STYLE 156 SERIES



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

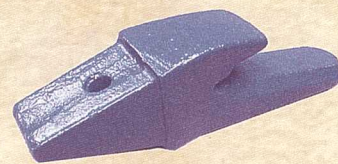
156-Series Weld-on Adapters



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

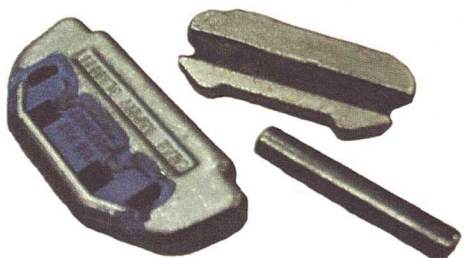


C-550X156 Full top leg wrap around adapter for 1.00" thick lips.



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-160PN
290	C-290PN
295	C-295PN
310	C-160PN
330	C-330PN
350	C-350PN
370	C-370PN
400	C-400HDPN
410	C-410PN
475	C-475PN

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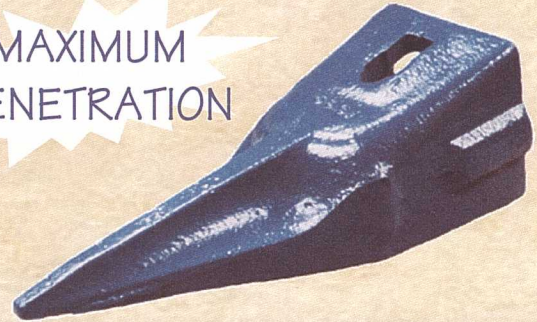
HENSLEY® STYLE TEETH

MATCHES OEM SPECS

Full FACTORY WARRANTY



MAXIMUM
PENETRATION



SHARP PENETRATION

GROUP	PART #	WEIGHT
156	CF-156SP	1.8#
220	CX-220SP	6.4#
290	CX-290SP	8.2#
295	CX-295SP	8.2#
310	CX-310SP	7.6#
330	CX-330SP	11.5#
350	CX-350SP	16.0#
370	CX-370SP	18.1#
400	CX-400SP	16.5#
410	CX-410SP	20.5#
475	CX-475SP	34.8#

SINGLE TIGER

GROUP	PART #	WEIGHT
156	CX-156T	1.9#
220	CX-220T	6.2#
290	CX-290T	8.1#
295		
310	CX-310T	10.7#
330	CX-330T	11.2#
350		
370	CX-370T	18.2#
400	CX-400T	16.3#
410	CX-410T	21.7#
475	CX-475TL	36.8#



FLARED
STYLE

TWIN
SHARPS



All H&L Products are
WARRANTED against
premature breakage!

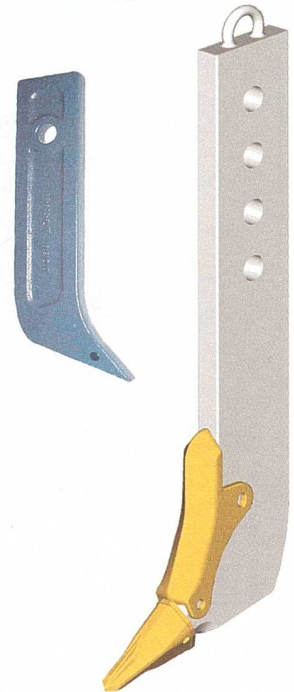
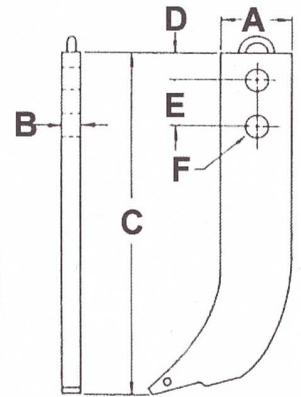
FLARED

GROUP	PART #	WEIGHT
156	CX-156F	2.8#
220	CX-220F	7.3#
290	CX-290F	11.6#
295		
310		
330	CX-330F	18.1#
350		
370		
400	CX-400F	20.8#
410		
475		

TWIN TIGER

GROUP	PART #	WEIGHT
156	CX-156WT	3.5#
220	CX-220WT	8.6#
290	CX-290WT	10.1#
295		
310	CX-310WT	12.6#
330	CX-330WT	14.7#
350		
370	CX-370WT	21.0#
400	CX-400WT	23.7#
410	CX-410WT	27.6#
475	CX-475WTL	37.6#

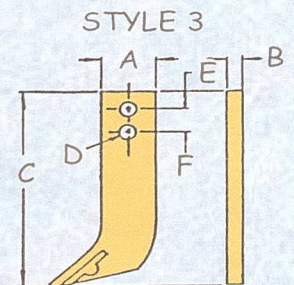
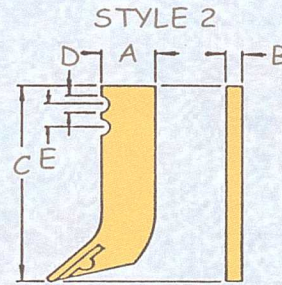
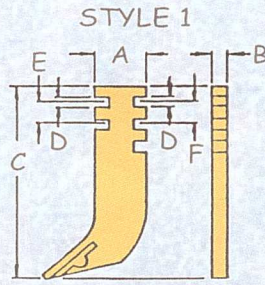
H&L® & Cat® Style Ripper Shanks



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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,D5M							
HL-9J-8913	5.50"	2.38"	20.00"	3.75"		1.88"	R300
HL-9J-6586	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-6671	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 (6Y-8814/8E-1848 WP) YU = RX-2017-C							
RJ-809059-YU-36	13.00"	2.94"	58.42"	3.15"	9.85"	3.38"	36LST
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"	36LST
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"	36LST
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"	36LST
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"	36LST
HL-4T-0134	13.00"	2.94"	96.60"	4.25"	24.00"	3.38"	R450
Ripper Model: D9N,D9R,D8K,D8N,D8R (6J-8814/8E-1848 WP) YU = RX-2017-C							
RJ-809063-YU-36	13.00"	2.94"	62.82"	3.15"	9.85"	3.38"	36LST
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"	36LST
HL-9W-6167	13.00"	2.94"	91.65"	4.25"	11.62"	3.38"	R450
Ripper Model: D9H,D9N,D9R,D8K (6J-8814/8E-1848 WP) YC = RX-1863							
RN-804084-YC-38	14.00"	3.50"	83.92"	4.25"	12.00"	3.38"	38LST
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"	38LST
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 (*6Y-9704 WP) (**9W-8365) YC = RX-1863							
RN-805072-YC-38	14.00"	3.50"	71.22"	4.00"	9.78"	4.90"	38LST
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"	38LST
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"	38LST
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 (*6Y-9704 WP) (**9W-8365 WP)							
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 (*6Y-9704 WP) (**6Y-8960 WP) YC = RX-1863							
RS-806110-YC-38	15.75"	3.94"	110.31"	7.88"	12.59"	3.88"	38LST
HL-6Y-4679	15.75"	3.94"	110.70"	7.88"	12.59"	3.88"	R500**
HL-7T-5130							R500*
Ripper Model: D10R (**6Y-8960 WP)							
HL-118-2140	15.75"	3.94"	98.80"	5.90"	13.98"	4.50"	R500
Ripper Model: D11N,D10 (3G-9594 WP) (*6Y-9704 WP) (**6Y-8960 WP) YC = RX-1863							
RS-807078-YC-38	15.75"	3.94"	77.47"	4.00"	11.00"	3.88"	38LST
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 WP)							
HL-104-9277	17.72"	4.33"	107.60"	8.66"	11.00"	4.50"	R550
HL-104-9275	17.72"	4.33"	129.60"	8.66"	22.00"	4.50"	R550

H&L® AND CAT® STYLE SCARIFIER SHANKS



H&L #	Tooth	Pin	Type	Notches	A	B	C	D	E	F
G-669-0	OSP	NONE	1	1F	1.50"	.50"	7.12"	.38"		
G-163-M9-3/4	1 3/4SP	NONE	1	1F	2.48"	.75"	12.09"	.53"		
G-163-AT-3/4	1 3/4SP	NONE	1	2F	2.48"	.75"	15.20"	.53"	2.50"	
G-163-CD-3/4	1 3/4SP	NONE	1	2B/2F	2.48"	.75"	15.50"	.53"	2.50"	3.00"
G-163-HW-3/4	1 3/4SP	NONE	1	2F	2.48"	.75"	15.50"	.53"	2.50"	
G-163-DD-3/4	1 3/4SP	NONE	1 & 3	2F/1 HOLE	2.48"	.75"	15.50"	.50"	2.12"	
G-163-BW-3/4	1 3/4SP	NONE	1	3B	2.48"	.75"	17.00"	.53"	3.62"	
G-840-3/4	1 3/4SP	NONE	2	2F	2.50"	.75"	17.62"	.50"	4.00"	
G-902-3/4	1 3/4SP	NONE	1	3B	2.50"	.75"	18.62"	.75"		1.50"
G-883-3/4	1 3/4SP	NONE	1A	1F	2.50"	.75"	19.00"	.56"		
G-163-Y-3/4	1 3/4SP	NONE	1	1	2.50"	.75"	19.12"	.50"		
G-959-3/4	1 3/4SP	NONE	1	2F/1B	2.50"	.75"	21.88"	.62"	4.00"	
G-346-3/4	1 3/4SP	NONE	1		2.50"	.75"				
G-110-3/4	1 3/4SP	NONE	2	2F	2.88"	.75"	14.50"	.75"	2.50"	
HL-5B-6251	HL6Y5230	NONE	1	3B	2.50"	1.00"	15.38"	.75"	1.50"	
G-1037-21	21SP	21FP	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	21SP	21FP	1	2F	3.00"	1.00"	17.00"	1.00"	2.00"	
HL-5B-0947	HL6Y5230	NONE	1	3B	3.00"	1.00"	17.00"	.80"	1.50"	
HL-5-0940	HL6Y5230	NONE	1	2F/3B	3.00"	1.00"	17.75"	.93"	1.50"	1.50"
G-205-1L	1LSP	NONE	1	2B/2F	3.00"	1.00"	18.62"	.78"	1.62"	1.62"
G-205-21	21SP	21FP	1	2B/2F	3.00"	1.00"	18.62"	.78"	1.62"	1.62"
G-841-21	21SP	21FP	3	2 HOLES	3.00"	1.00"	18.62"	.81"	4.25"	2.50"
G-877-B-1L	HL6Y5230	NONE	1	3B	3.00"	1.00"	19.00"	.75"		1.50"
G-1050-1L	1LSP	NONE	1	2F/1B	3.00"	1.00"	19.00"	.88"	3.00"	
G-508-21	21SP	21FP	1	2F	3.00"	1.00"	19.25"	1.00"	2.00"	
G-692-21	21SP	21FP	1	2F	3.00"	1.00"	19.25"	.78"	2.00"	
G-950-21	21SP	21FP	3	2 HOLES	3.50"	1.00"	21.06"	1.09"	1.38"	2.00"
G-621-24	21SP	21FP	3	1 HOLE	3.00"	1.25"	26.00"	1.06"	1.50"	
G-1005-23	23OST	23FP	1	1F	3.50"	1.25"	19.25"	1.06"		
G-1006-22	22SP	22FP	3	3 HOLES	3.50"	1.25"	23.50"	.81"	1.62"	3.00"
G-1023-23	23OST	23FP	3	2 HOLES	3.00"	1.50"	19.62"	.88"	4.25"	2.50"
R-560-24	24OST	24FP	3A	1 HOLE	3.94"	1.50"	22.95"	1.06"	2.00"	
G-839-K-24	24OST	24FP	3	1 HOLE	4.00"	1.50"	22.00"	1.06"	4.50"	
G-839-J-24	24OST	24FP	3	1 HOLE	4.00"	1.50"	26.00"	1.06"	6.50"	
G-839-A-24	24OST	24FP	3	2 HOLES	4.00"	1.50"	30.85"	1.06"	7.00"	4.00"
R-506-24	24OST	24FP	3	1 HOLE	5.51"	1.50"	25.67"	1.69"	5.31"	
G-188-U-25	252ST	25-26FP	3	1 HOLE	4.00"	2.00"	18.50"	1.56"	1.56"	
G-574-25	252ST	25-26FP	3	1HOLE	4.00"	2.00"	25.50"	.81"	9.00"	
G-374-24	24OST	24FP	1	2B	4.00"	2.00"	30.50"	1.12"	4.00"	
G-839-F-25	252ST	25-26FP	3	3 HOLES	4.00"	2.00"	35.93"	1.06"	8.12"	4.00"
G-996-A-25	252ST	25-26FP	3	2 HOLES	5.00"	2.00"	28.80"	2.03"	2.50"	9.00"
R-507-C-25	252ST	25-26FP	3	3 HOLES	7.00"	2.00"	32.50"	2.25"	5.00"	3.50"
G-1040-18	18ST-R	18FP	3	4 HOLES	4.88"	2.50"	43.00"	1.12"	5.00"	4.00"
G-1024-25	252ST	25-26FP	3	2 HOLES	5.50"	2.50"	24.00"	1.81"	5.20"	4.00"
G-1024-A-18	18ST-R	18FP	3	2 HOLES	5.50"	2.50"	25.20"	1.81"	5.20"	4.00"
G-1024-B-18	18ST-R	18FP	3	2 HOLES	5.50"	2.50"	27.20"	1.81"	5.20"	4.00"
G-910-F-18	18ST-R	18FP	3	5 HOLES	5.00"	2.88"	45.00"	1.50"	9.00"	4.00"
G-910-F-19	19ST-R	19-36FP	3	5 HOLES	5.00"	2.88"	45.00"	1.50"	9.00"	4.00"
G-910-K-18	18ST-R	18FP	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

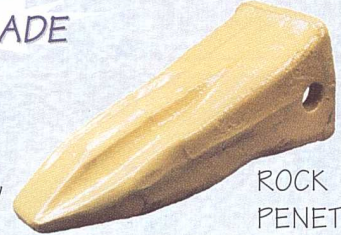


ABRASION



HL-9W-2359 CLAW
PENETRATION

TulsaMADE



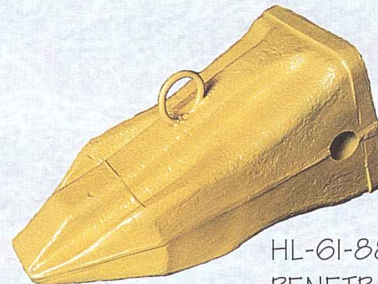
ROCK
PENETRATING
STAR



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	

PIN AND RETAINER FOR CAT® J-SERIES



GROUP	PIN	RETAINER
J-200	HL-9W-7112	HL-4T-0001
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

Value-Cast Cat® J-SERIES TEETH

Full FACTORY WARRANTY

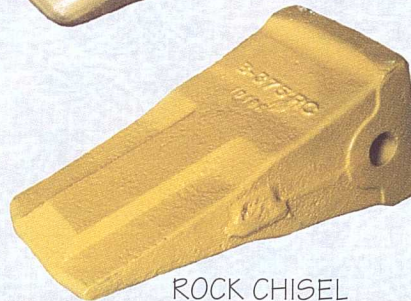
All H&L
Products are
WARRANTED
against
premature
breakage!



LONG TIP



SINGLE SHARP



ROCK CHISEL



TWIN SHARP

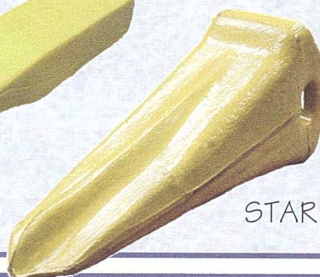
Group	Long Tip	Single Sharp	Twin Sharp	Rock Chisel
J-200	CX-1U-3202	CX-1U-3202T	CX-1U-3202WT	
J-250	CX-1U-3252	CX-1U-3252T	CX-1U-3252WT	
J-300	CX-1U-3302	CX-1U-3302TL	CX-1U-3302WTL	
J-350	CX-1U-3352	CX-1U-3352TL	CX-1U-3352WTL	CX-1U-3352RC
J-400	CX-7T-3402	CX-7T-3402TL	CX-7T-3402WTL	
J-450	CX-1U-3452	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

PIN AND RETAINER FOR CAT® R-SERIES



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

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-500	HL-6Y-3909	HL-6Y-1202	HL-3G-0500

CASE® AND DEERE® CROSS REFERENCE NUMBERS

Sorted by Deere® NUMBER

Sorted by Case® 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

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

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.

QUALITY
since
1931

TulsaMADE!

H&L Tooth Company Quality Policy

H&L Tooth is committed to meeting or exceeding internal and external customer requirements in our 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

H&L[®] FACTORY WARRANTY!

The H&L[®] Tooth Company warrants all H&L[®] Products against defects in material and workmanship for a period of thirty days.

Visit **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.