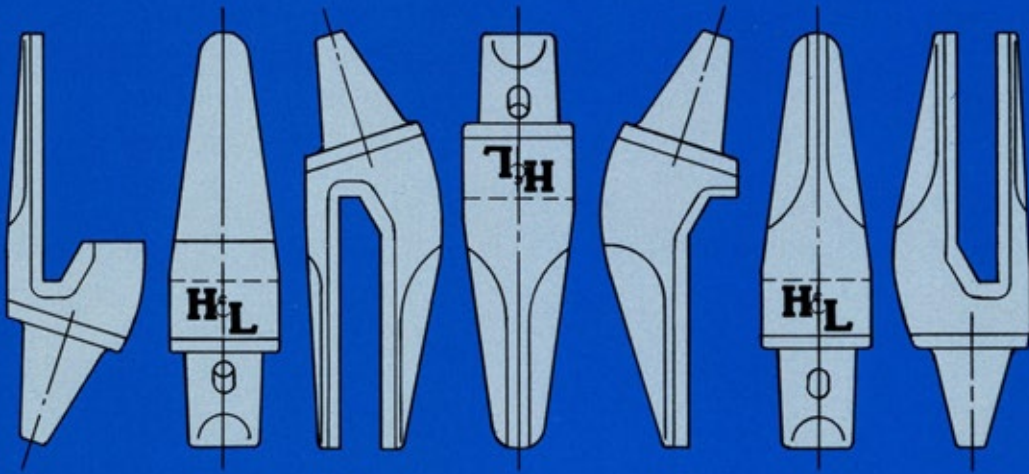


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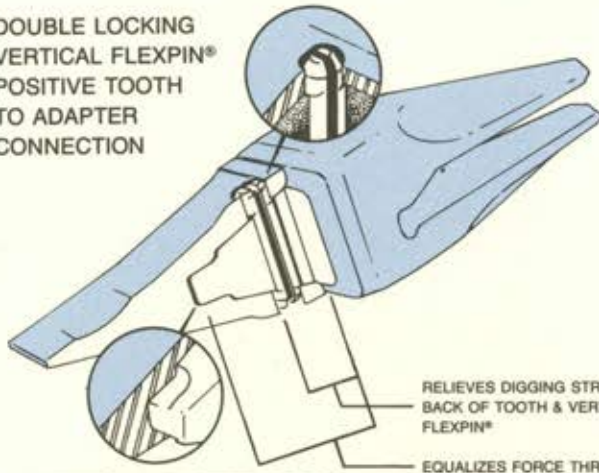
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U.S. PATENT NUMBER 4516340
 CANADIAN PATENT NUMBER 1237742
 OTHER PATENTS PENDING

DOUBLE LOCKING
 VERTICAL FLEXPIN®
 POSITIVE TOOTH
 TO ADAPTER
 CONNECTION



THE VP SYSTEM FEATURES A DOUBLE
 LOCKING VERTICAL FLEXPIN®
 TO ADAPTER CONNECTION. THIS
 PATENTED SYSTEM USED ON LARGE
 MINING SHOVELS IS NOW AVAILABLE
 FOR LOADERS AND EXCAVATORS.

EASY REMOVAL & INSTALLATION
 SHORTER REPLACEMENT TIME
 RESULTING IN SHORTER DOWN TIME

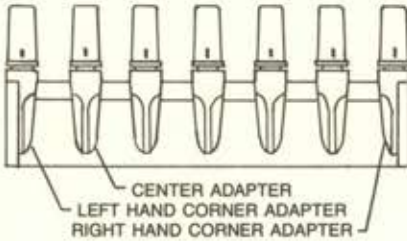
RELIEVES DIGGING STRESS ON
 BACK OF TOOTH & VERTICAL
 FLEXPIN®

EQUALIZES FORCE THROUGHOUT
 THE TOOTH POCKET

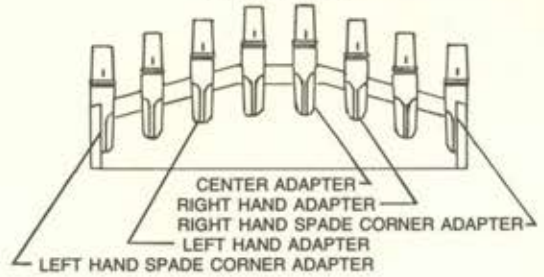
TOOTH STABILIZERS & ADAPTER PADS
 PREVENT HORIZONTAL MOVEMENT

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STRAIGHT LIP PLAN



SPADE LIP PLAN

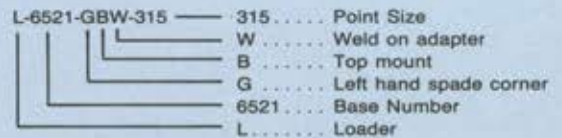


CORNER ADAPTERS AVAILABLE FOR STRAIGHT AND SPADE LIPS. SEE BELOW FOR
 CORRECT NUMBERING SYSTEM.

NUMBERING SYSTEM FOR **VP SYSTEM**

- L Loader
- Middle Digits . . . Lip and bolt sizes (Base Number)
- A Double strap adapter, bolt on
- B Top (Flush) mount adapter
- C Bottom mount adapter
- D Right hand corner adapter
- E Left hand corner adapter
- F Right hand spade corner adapter
- G Left hand spade corner adapter
- W weld on adapter
- Last Digits Point sizes

Example:



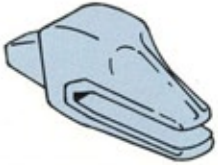
COMPLETE SET:	Double strap Weld on	Top mount	Bottom mount
Center	L-6521-AW-315	L-6521-BW-315	6523-CW-315
Right hand	L-6521-AW315RH	L-6521-BW-315RH	6523-CW-315RH
Left hand	L-6521-AW-315LH	L-6521-BW-315LH	6523-CW-315LH
RH Corner	L-6521-DAW-315	L-6521-DBW-315	6523-DCW-315
LH Corner	L-6521-EAW-315	L-6521-EBW-315	6523-ECW-315
RH Spade Corner	L-6521-FAW-315	L-6521-FBW-315	6523-FBW-315
LH Spade Corner	L-6521-GAW-315	L-6521-GBW-315	6523-GBW-315

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WELD-ON ADAPTERS

- FOR MACHINES USED MAINLY FOR ONE JOB APPLICATION WHERE VERSATILITY IS NOT A REQUIREMENT
- USED ON STRAIGHT EDGES & SPADE NOSE BUCKETS
- EXCELLENT ADAPTER RETENTION
WELD BEVELS FOR A STRONGER ADAPTER-TO-CUTTING
EDGE CONNECTION
- ELIMINATES LOOSE ADAPTERS WHICH CAN CAUSE SIDE
LOADING OF THE ASSEMBLY
- MAY BE INSTALLED IN CORNERS OF BUCKET WITH MINOR MODIFICATIONS

1AW
DOUBLE LEG WRAP AROUND
ADAPTER



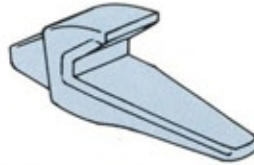
- EXTRA BUCKET BOTTOM & CUTTING EDGE PROTECTION
- STRONGEST OF ALL ADAPTERS

1BW
TOP FLUSH MOUNT
ADAPTER



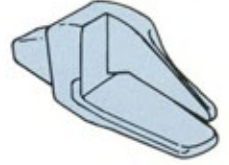
- USED WHERE CLEAN CUTS & SMOOTH SURFACES ARE REQUIRED
- CAN REDUCE TIRE WEAR ON WHEEL LOADERS, LOOSE MATERIALS FLOW INTO THE BUCKET, NOT UNDER IT.

1CW
BOTTOM MOUNT
ADAPTER

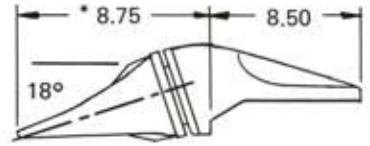
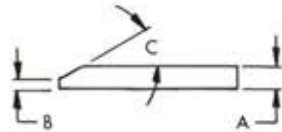
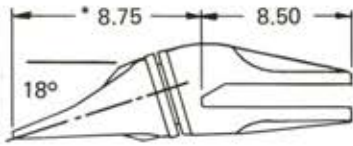


- USED PRIMARILY ON BACKHOES & HYDRAULIC EXCAVATORS
- EASIER LOADING & UNLOADING
- MORE STRENGTH ON BOTTOM OF BUCKET
- PROVIDES A MORE AGGRESSIVE BUCKET TOOTH BECAUSE OF INCREASED TOOTH OFFSET

1AW
DOUBLE LEG WRAP AROUND
CORNER ADAPTER



For additional information or fitments not in this catalog, contact your authorized H & L dealer or call 1-800-HL-TOOTH. (In California (213) 721-5146.)



LIP CONFIGURATION

"1AW" LOADER STYLE

A

B

C

"1BW" LOADER STYLE

L-6507-AW-195

1.00

.38

23°

L-6507-BW-195

L-6508-AW-195

1.00

.38

30°

L-6508-BW-195

L-6519-AW-195

1.25

.50

23°

L-6519-BW-195

L-6520-AW-195

1.25

.50

30°

L-6520-BW-195

L-6524-AW-195

1.50

.62

23°

L-6524-BW-195

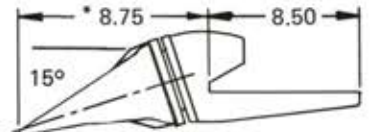
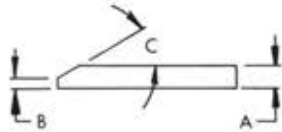
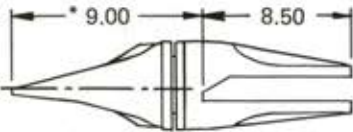
L-6525-AW-195

1.50

.62

30°

L-6525-BW-195



LIP CONFIGURATION

"1AW" EXCAVATOR STYLE

A

B

C

"1CW" EXCAVATOR STYLE

6517-AW-195

1.00

.38

23°

6516-CW-195

6518-AW-195

1.00

.38

30°

6516-CW-195

6521-AW-195

1.25

.50

23°

6523-CW-195

6522-AW-195

1.25

.50

30°

6523-CW-195

6526-AW-195

1.50

.62

23°

6523-CW-195

6527-AW-195

1.50

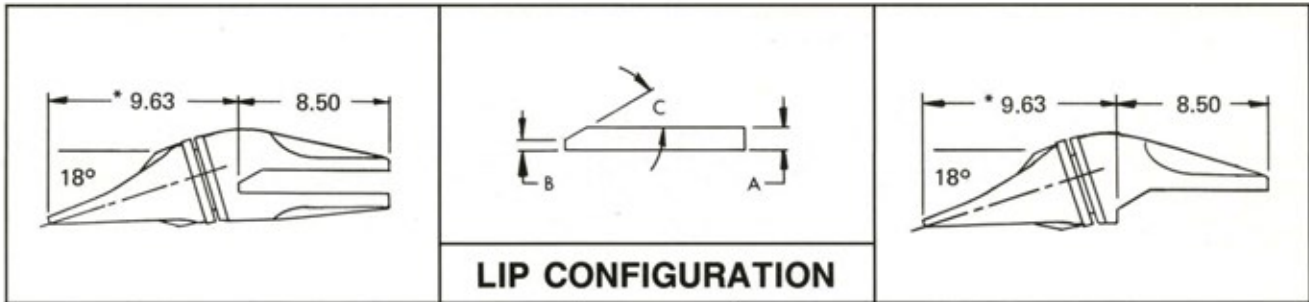
.62

30°

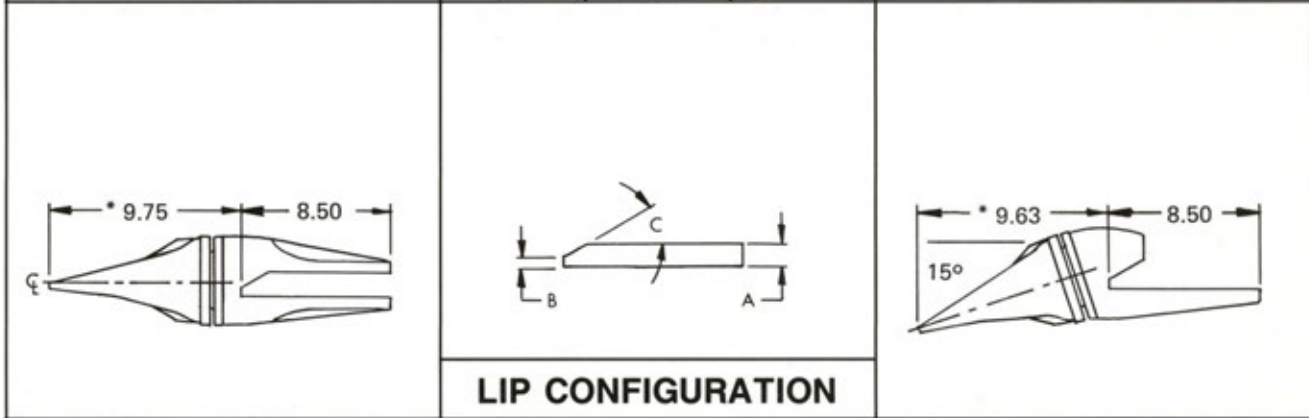
6523-CW-195

* DIMENSION IS FOR (SP) SHARP PENETRATION TOOTH ONLY

205 ADAPTERS



"1AW" LOADER STYLE	A	B	C	"1BW" LOADER STYLE
L-6519-AW-205	1.25 32	.50 13	23°	L-6519-BW-205
L-6520-AW-205	1.25 32	.50 13		30°
L-6524-AW-205	1.50 38	.62 16	23°	L-6524-BW-205
L-6525-AW-205	1.50 38	.62 16		30°
L-6528-AW-205	1.75 44	.75 19	23°	L-6528-BW-205
L-6529-AW-205	1.75 44	.75 19		30°

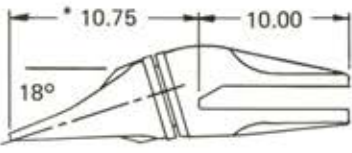
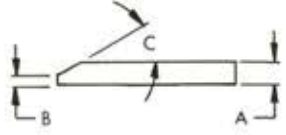
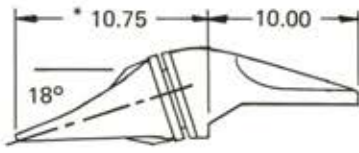
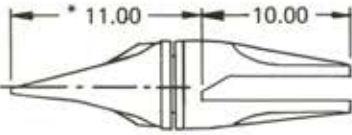
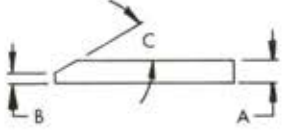
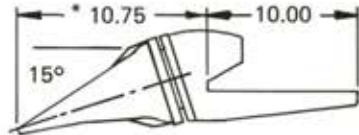


"1AW" EXCAVATOR STYLE	A	B	C	"1CW" EXCAVATOR STYLE
6521-AW-205	1.25 32	.50 .13	23°	6523-CW-205
6522-AW-205	1.25 32	.50 13		30°
6526-AW-205	1.50 38	.62 16	23°	6523-CW-205
6527-AW-205	1.50 38	.62 16		30°
6530-AW-205	1.75 44	.75 19	23°	6532-CW-205
6531-AW-205	1.75 44	.75 19		30°

* DIMENSION IS FOR (SP) SHARP PENETRATION TOOTH ONLY

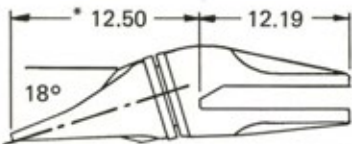

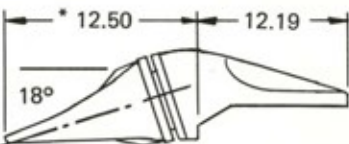
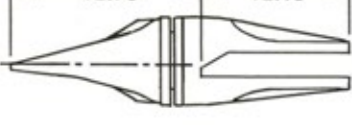
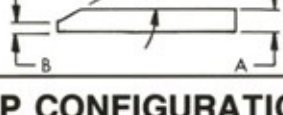



315 ADAPTERS

				
"1AW" LOADER STYLE	A	B	C	"1BW" LOADER STYLE
L-6519-AW-315	1.25 32	.50 13	23°	L-6519-BW-315
L-6520-AW-315	1.25 32	.50 13	30°	L-6520-BW-315
L-6524-AW-315	.1.50 38	.62 16	23°	L-6524-BW-315
L-6525-AW-315	.1.50 38	.62 16	30°	L-6525-BW-315
L-6528-AW-315	1.75 44	.75 19	23°	L-6528-BW-315
L-6529-AW-315	1.75 44	.75 19	30°	L-6529-BW-315
L-6533-AW-315	2.00 51	.75 19	23°	L-6533-BW-315
L-6534-AW-315	2.00 51	.75 19	30°	L-6534-BW-315
				
"1AW" EXCAVATOR STYLE	A	B	C	"1CW" EXCAVATOR STYLE
6521-AW-315	1.25 32	.50 13	23°	6523-CW-315
6522-AW-315	1.25 32	.50 13	30°	6523-CW-315
6526-AW-315	1.50 38	.62 16	23°	6523-CW-315
6527-AW-315	1.50 38	.62 16	30°	6523-CW-315
6530-AW-315	1.75 44	.75 19	23°	6532-CW-315
6531-AW-315	1.75 44	.75 19	30°	6532-CW-315
6535-AW-315	2.00 51	.75 19	23°	6532-CW-315
6536-AW-315	2.00 51	.75 19	30°	6532-CW-315

* DIMENSION IS FOR (SP) SHARP PENETRATION TOOTH ONLY

325 ADAPTERS

	 LIP CONFIGURATION			
"1AW" LOADER STYLE	A	B	C	"1BW" LOADER STYLE
L-6524-AW-325	1.50 38	.62 16	23°	L-6524-BW-325
L-6525-AW-325	1.50 38	.62 16	30°	L-6525-BW-325
L-6528-AW-325	1.75 44	.75 19	23°	L-6528-BW-325
L-6529-AW-325	1.75 44	.75 19	30°	L-6529-BW-325
L-6533-AW-325	2.00 51	.75 19	23°	L-6533-BW-325
L-6534-AW-325	2.00 51	.75 19	30°	L-6534-BW-325
L-6537-AW-325	2.25 57	.88 22	23°	L-6537-BW-325
L-6538-AW-325	2.25 57	.88 22	30°	L-6538-BW-325
L-6539-AW-325	2.50 64	.88 22	23°	L-6539-BW-325
L-6540-AW-325	2.50 64	.88 22	30°	L-6540-BW-325
	 LIP CONFIGURATION			
"1AW" EXCAVATOR STYLE	A	B	C	"1CW" EXCAVATOR STYLE
6526-AW-325	1.50 38	.62 16	23°	6523-CW-325
6527-AW-325	1.50 38	.62 16	30°	6523-CW-325
6530-AW-325	1.75 44	.75 19	23°	6532-CW-325
6531-AW-325	1.75 44	.75 19	30°	6532-CW-325
6535-AW-325	2.00 51	.75 19	23°	6532-CW-325
6536-AW-325	2.00 51	.75 19	30°	6532-CW-325
6541-AW-325	2.25 57	.88 22	23°	6543-CW-325
6542-AW-325	2.25 57	.88 22	30°	6543-CW-325
6544-AW-325	2.50 64	.88 22	23°	6543-CW-325
6545-AW-325	2.50 64	.88 22	30°	6543-CW-325

* DIMENSION IS FOR (SP) SHARP PENETRATION TOOTH ONLY

 INCHES
 MILLIMETERS



TOOTH COMPANY

H&L WARRANTY

H & L products are warranted against defects in material and workmanship for a period of 30 days, provided the parts have not been subjected to misuse, worn out, hardfacing, neglect, accident, or not installed according to instructions and specifications. All items manufactured are wearable and expendable. H & L assumes no responsibility for consequential or incidental damages regardless of cause. No labor charges will be allowed for changing any H & L parts.

Material may not be returned without permission. No Dealer, Agency, Salesman or any other party has authority either orally or in writing to add or modify the terms of the warranty.

Contact H & L Customer Service for additional information.

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FAX # (213) 721-9473

H & L FORGE COMPANY

A Division of H & L Tooth Company
10055 East 56th Street North
Tulsa, Oklahoma 74117
FAX # (918) 272-0163

1-800-HL-TOOTH. (In California (213) 721-5146.)

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