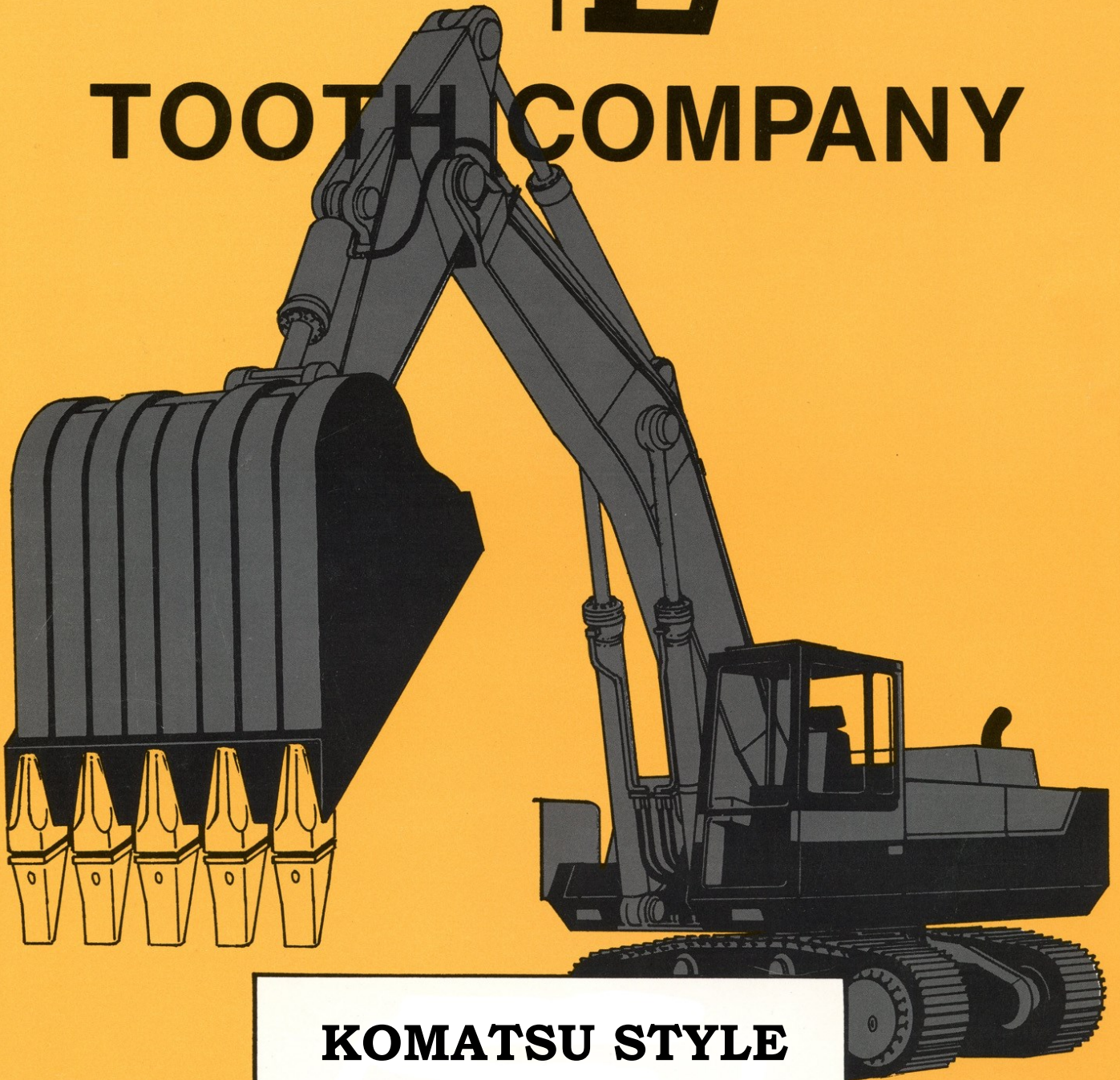


203.2017

H&L
®

TOOTH COMPANY



KOMATSU STYLE

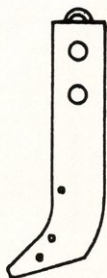
**RIPPER SHANKS AND
REPAIR NOSEPIECES**



MULTI & SINGLE RIPPER SHANKS

MODEL	D-55S	D-65E, D-65S D-75S	D-80, D-85E D-90S	D-150 D-155A	D-355-2A	D-455
SINGLE SHANK	—	—	HL-154-78-14344 Note (A) Page 8	—	HL-195-78-31140	HL-198-79-11630 Note (C) Page 8
MULTI SHANK	—	—	—	HL-175-78-21613 Note (B) Page 8	HL-195-78-41190	HL-198-78-11240
STANDARD PROTECTOR	—	—	HL-195-78-21320			HL-198-79-11220
OPTIONAL PROTECTOR	—	—	HL-195-78-21580			HL-198-79-11640
PROTECTOR PIN(S)	—	—	HL-175-78-21740			HL-198-79-11320
REPAIR NOSE	—	—	—	—	—	—
REPAIR SHANK	—	—	HLW-J-1003	HLW-J-1004	HL-195-78-14350	HL-198-79-11620
TOOTH GROUP	—	—	KR1 HL-175-78-31290		KR2 HL-195-78-21331 HL-195-78-21333	KR3 HL-198-79-11550 HL-198-79-11551
TOOTH PIN	—	—	HL-175-78-21740			HL-198-79-11320
SINGLE SHANK	R-508-W-18	R-509-19	R-510-19	—	—	—
MULTI SHANK	—	—	—	R-511-YS-36	—	—
STANDARD PROTECTOR	—	—	—	RX-2017	—	—
OPTIONAL PROTECTOR	—	—	—	—	—	—
PROTECTOR PIN(S)	—	—	—	RX-1926	—	—
REPAIR NOSE	RX-2125K-18	RX-1812-19 RX-2583-19	RX-2583-19	RX-1693-ASYS-36	—	—
REPAIR SHANK	—	—	—	RX-2021-KYS-36	—	—
TOOTH GROUP	18SP	19ST	19ST	36LST	—	—
TOOTH FLEXPIN	18 FLEXPIN	19 FLEXPIN	19 FLEXPIN	36 FLEXPIN	—	—

SEE PAGE 10 FOR TOOTH SELECTION CHART



SHANK



STANDARD
PROTECTOR
HL-195-78-21320
HL-198-79-11220



OPTIONAL
PROTECTOR
HL-195-78-21580
HL-198-79-11640

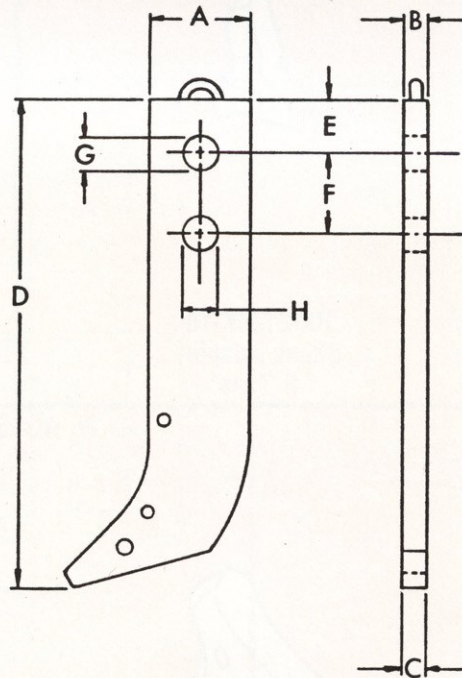


STANDARD
PROTECTOR
RX-2017



RIPPER SHANK DIMENSIONS

SHANK	MOUNTING HOLES	A	B	C	D	E	F	G	H
HL-154-78-14344	2	9.00	3.00	3.00	51.50	4.25	12.25	2.50	2.50
		229	76	76	1308	108	311	64	64
HL-175-78-21613	2	12.00	3.00	3.00	64.50	4.00	15.75	3.12	3.12
		305	76	76	1638	102	400	79	79
HL-175-78-21614	2	12.87	2.87	2.87	65.00	4.00	15.75	3.12	3.12
		327	73	73	1651	102	400	79	79
HL-195-78-41190	2	14.00	3.50	3.50	72.75	4.50	18.00	3.50	3.50
		356	89	89	1848	114	457	89	89
HL-198-79-11630	5	18.50	4.37	3.93	112.00	5.75	13.00	4.25	4.25
		470	111	100	2845	146	330	108	108
HL-198-78-11240	2	15.75	3.75	3.75	85.00	4.37	17.00	3.50	3.50
		400	95	95	2159	111	432	89	89
HL-195-78-31140	4	15.75	3.75	3.00	86.37	4.50	13.25	3.50	3.50
		400	95	76	2194	114	337	89	89
R-508-W-18	3	7.25	2.00	2.30	34.00	2.00	4.00	2.00	2.00
		184	51	58	864	51	102	51	51
R-509-19	2	7.00	2.88	2.88	27.00	4.00	4.50	2.12	2.12
		178	73	73	686	102	114	54	54
R-510-19	2	9.25	2.88	2.88	52.00	4.50	7.88	2.56	2.56
		235	73	73	1321	114	200	65	65
R-511-YS-36	2	12.50	2.88	2.88	63.00	4.00	12.00	3.12	3.12
		318	73	73	1600	102	305	79	79



AREAS IN SOLID COLOR ON PAGES 7, 8, 9 & 10 ARE H & L OPTIONAL EQUIPMENT

Note: (A) Use HL-154-78-14344 Shank also in place of Komatsu type 154-78-14340 and 154-78-14343.

Note: (B) Use HL-175-78-21613 Shank also in place of Komatsu type 175-78-21610 and 175-78-21612.

Note: (c) Use HL-198-79-11630 Shank and related items in place of Komatsu type 198-79-11400 Shanks.

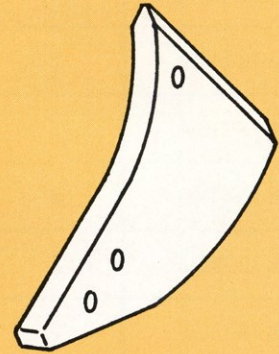
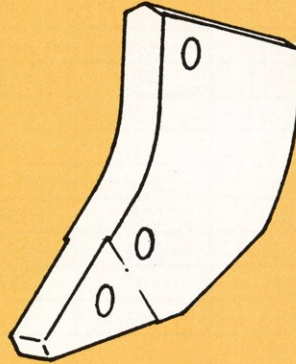
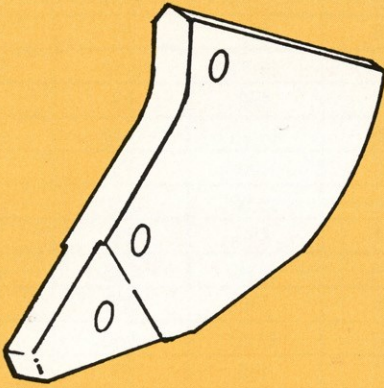
INCHES
MILLIMETERS



RIPPER SHANK ADAPTERS

RIPPER GROUP KR-1

RIPPER GROUP KR-2



HLW-J-1004
Shank Adapter
for
HL-175-78-21613

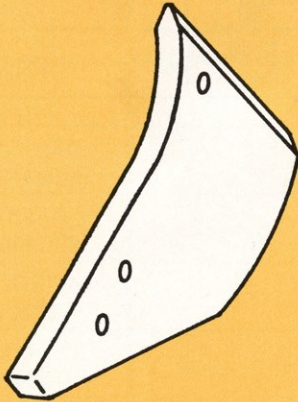
HLW-J-1003
Shank Adapter
for
HL-154-78-14344

HL-195-78-14350
Shank Adapter
for
HL-195-79-31140

RIPPER GROUP KR-3

18 NOSEPIECE

19 NOSEPIECE



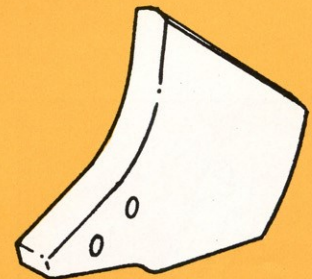
HL-198-79-11620
Shank Adapter
for
HL-198-79-11630

RX-2125K-18
Shank Adapter
S Type

RX-2583-19
Shank Adapter
S Type

19 NOSEPIECE

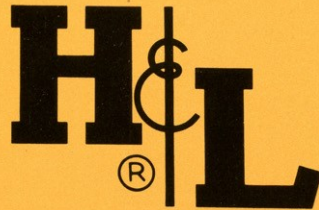
36 NOSEPIECE



RX-1812-19
Nose Adapter

RX-1693-ASYS-36
Shank Adapter
S Type

RX-2021-KYS-36
Shank Adapter



TOOTH COMPANY

KOMATSU Catalog HL-4-89

Modified from original publication...

H & L TOOTH COMPANY

1540 South Greenwood Avenue
P.O. Box 430
Montebello, California 90640
FAX #(213) 721-9473

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

H & L FORGE COMPANY

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

ALL MANUFACTURERS NAMES, NUMBERS, SYMBOLS AND
DESCRIPTIONS ARE USED FOR REFERENCE PURPOSES
ONLY AND IS NOT IMPLIED THAT ANY PORTION THERE
OF, IS THE PRODUCT OF THESE MANUFACTURERS.