



H&L[®]

FORGED TEETH

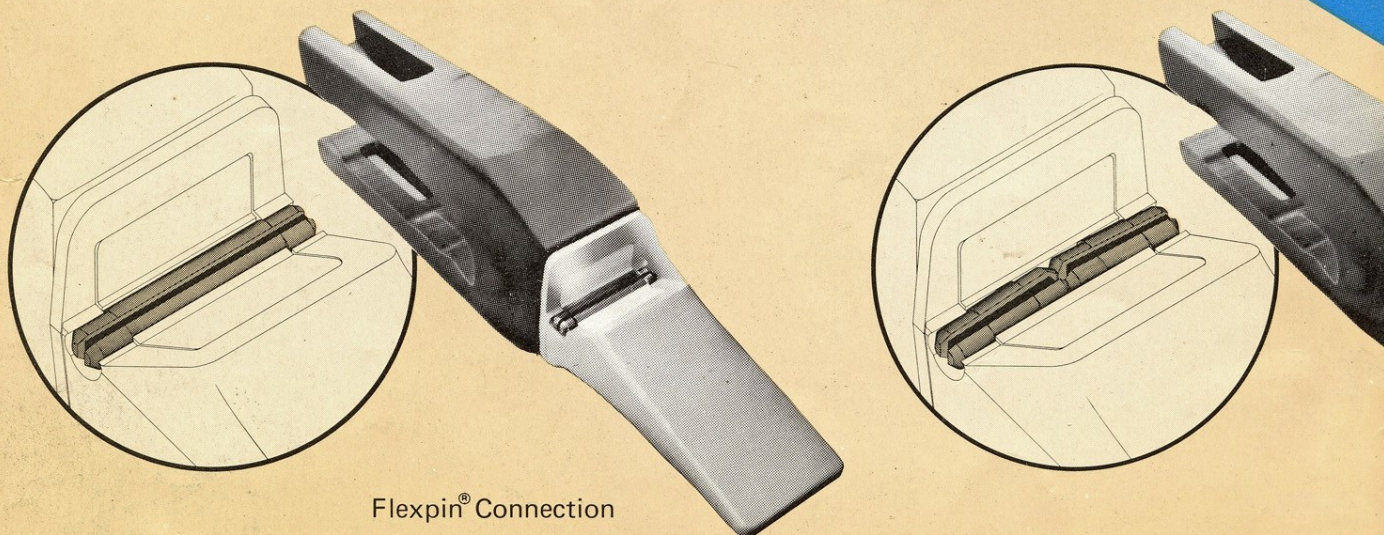


Flexpin® . . .

... the dependable

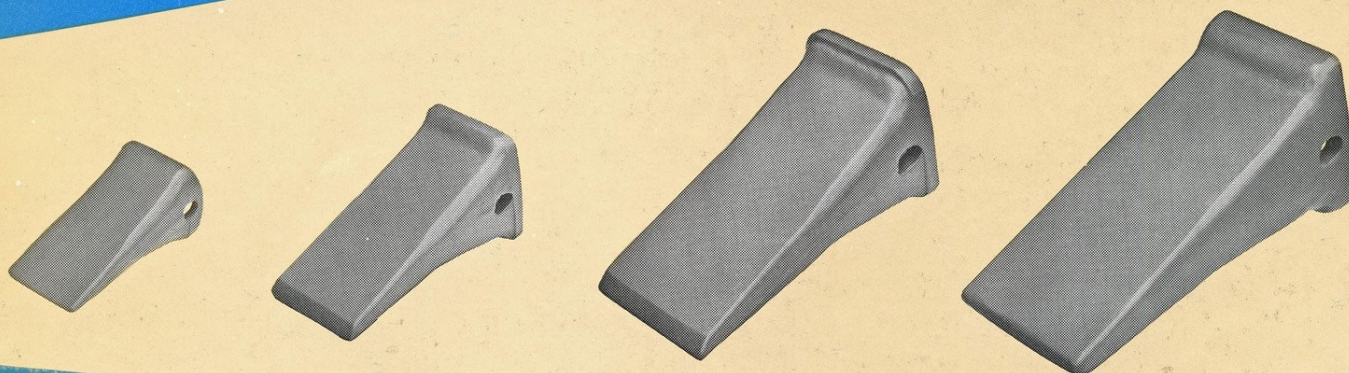
two-part

Tooth Connection!



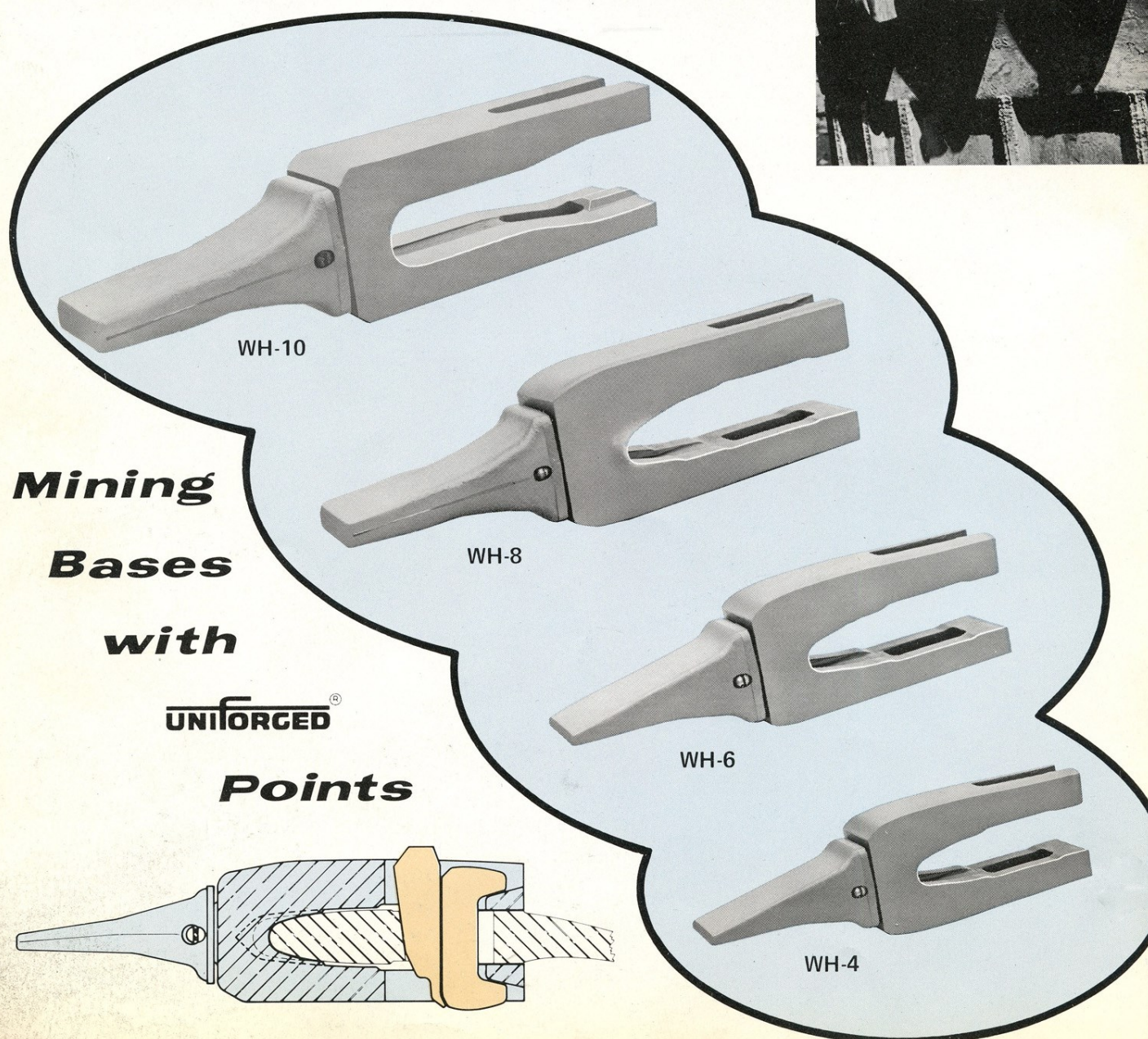
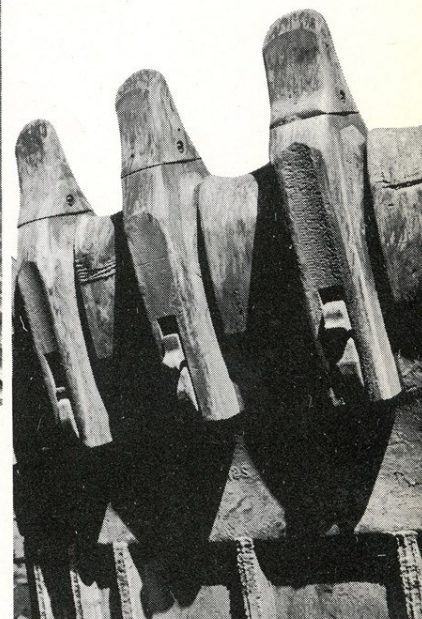
Flexpin® Connection

**a size
for all equipment !**

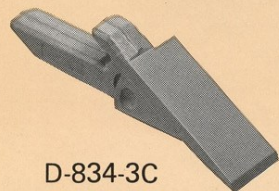


**a style
for all conditions!**

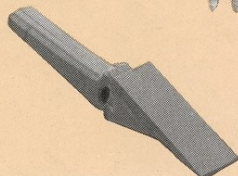




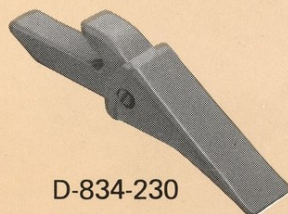
**Weld-on type
Shanks**



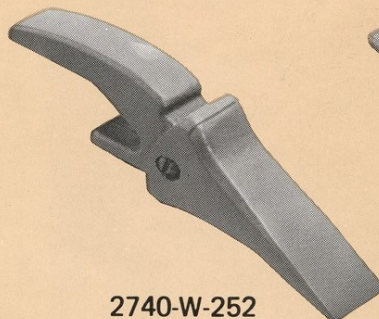
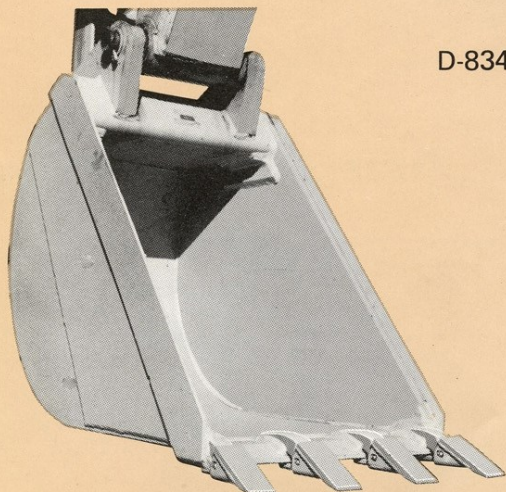
D-834-3C



D-862-2A



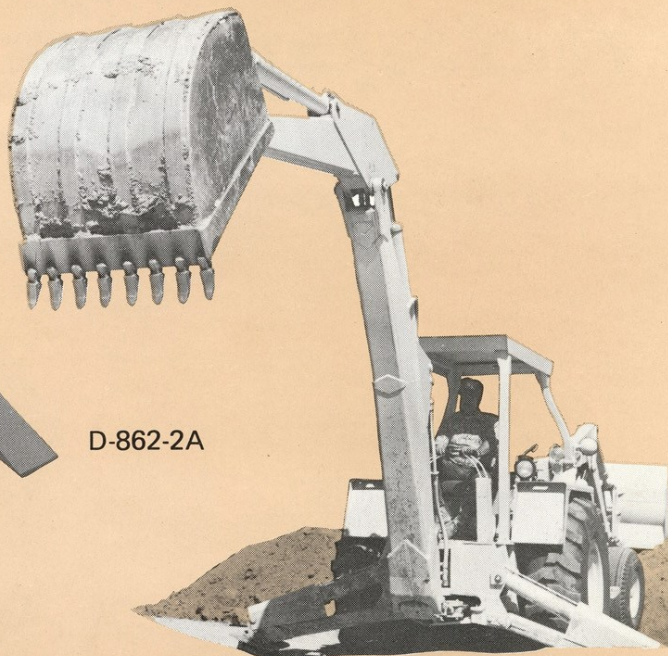
D-834-230



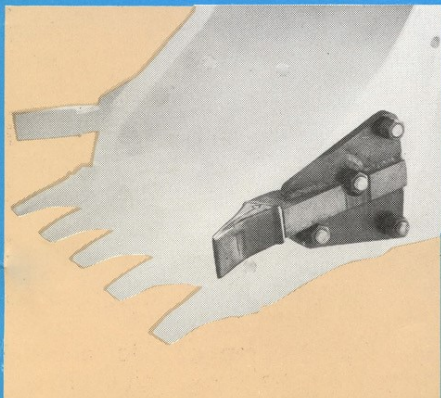
2740-W-252



3000-W-252



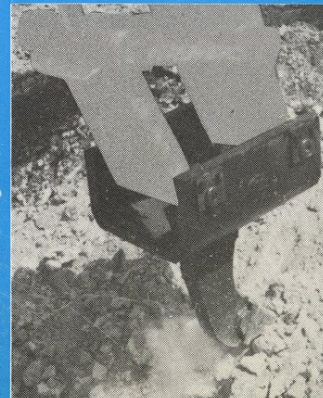
Backhoe Accessories



Side Cutters



Backhoe Rippers



Frost Breakers

...“U” Dozers



H&L Corner Adapters . . .

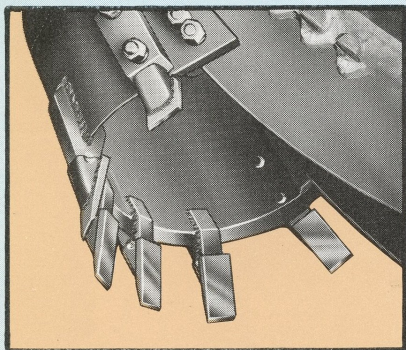
- . . . replace the Original Tractor End Bit . . .
- . . . renew by replacing only the Point, not the complete Corner Adapter.

...Angle Dozers

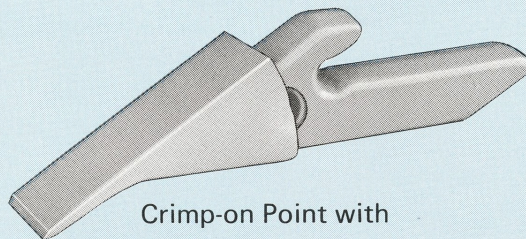


H&L Tooth type Corner Adapters pilot ahead of cutting edge to increase the digging effectiveness of the tractor blade.

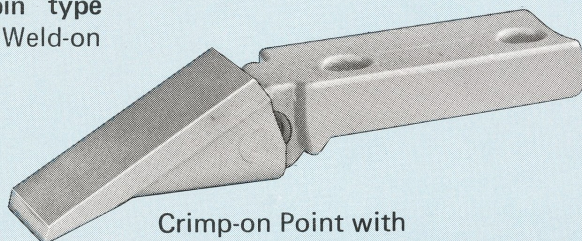
Trenchers



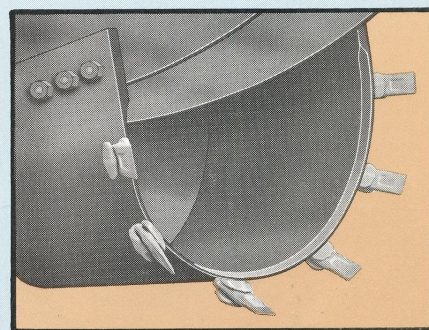
Crimp-on and Flexpin type Points with Bolt-on or Weld-on Shanks.



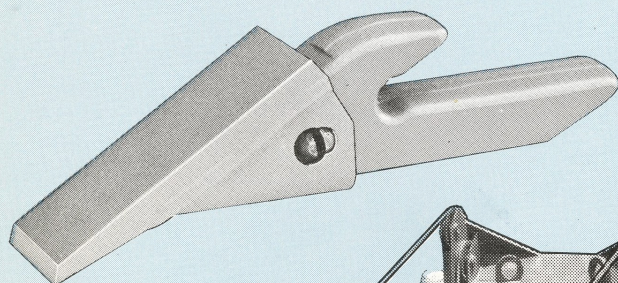
Crimp-on Point with Weld-on Shank



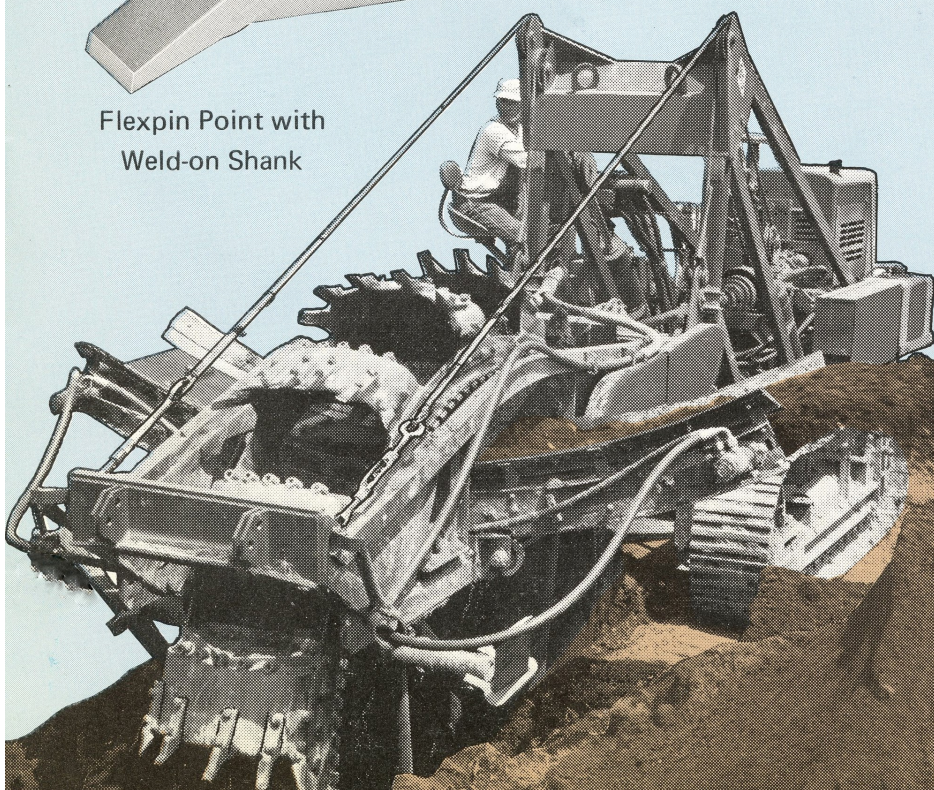
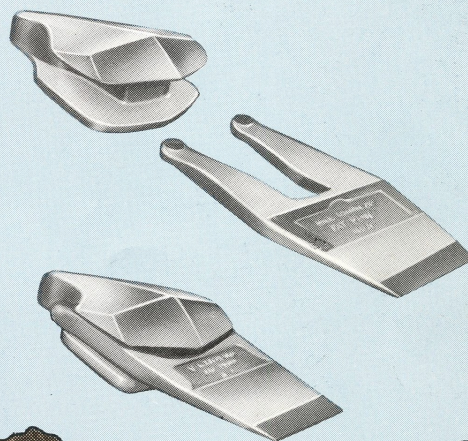
Crimp-on Point with Bolt-on Shank

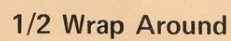
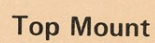


Insert type Points with Weld-on Holders.

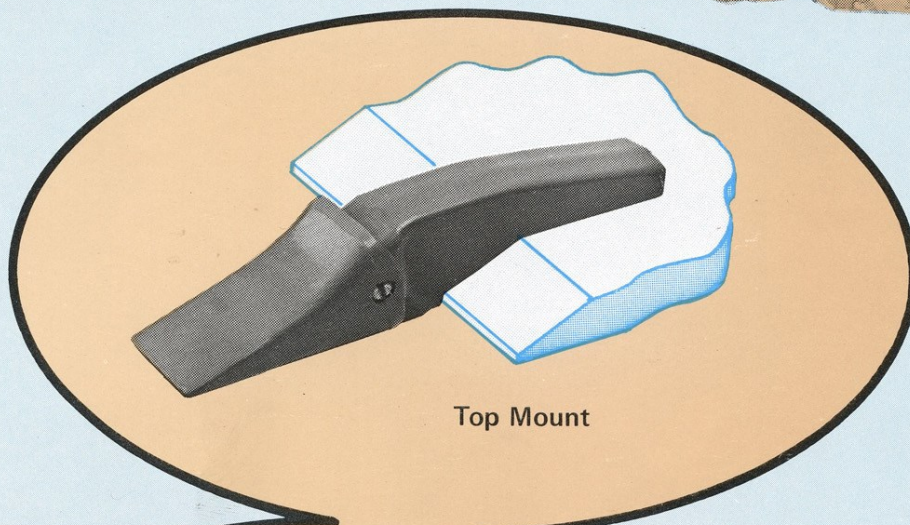
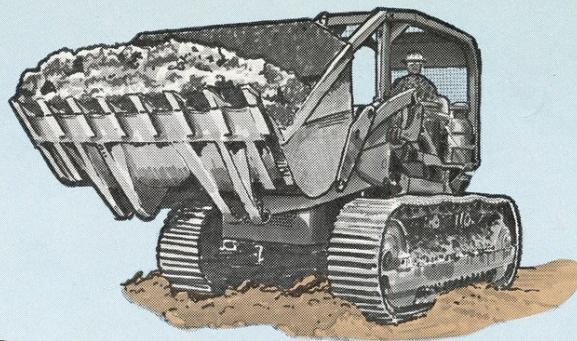


Flexpin Point with Weld-on Shank

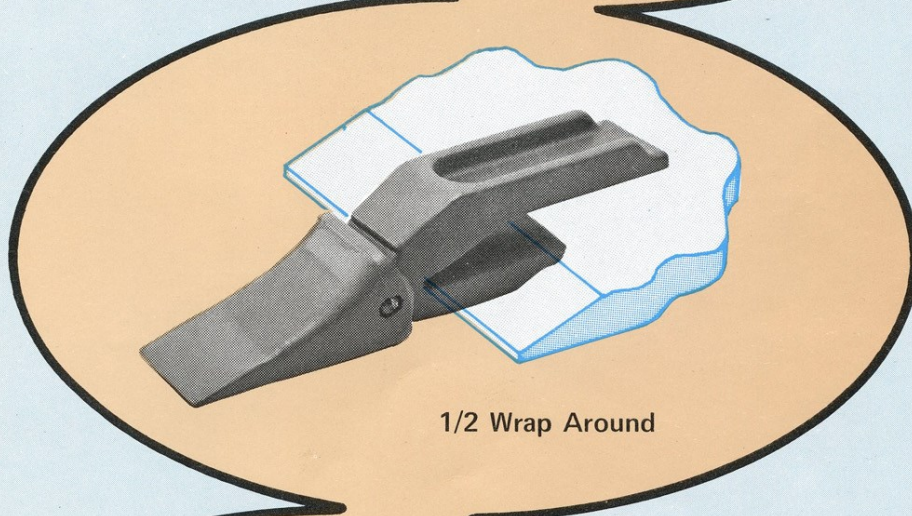




Weld-on Style

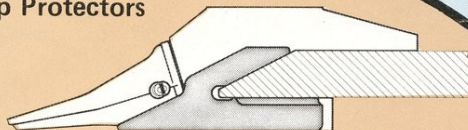
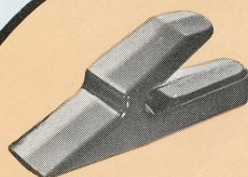


Top Mount

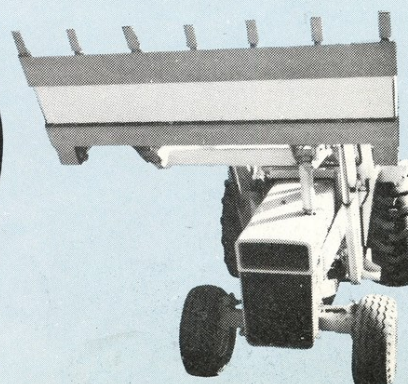
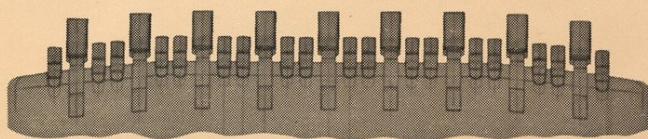


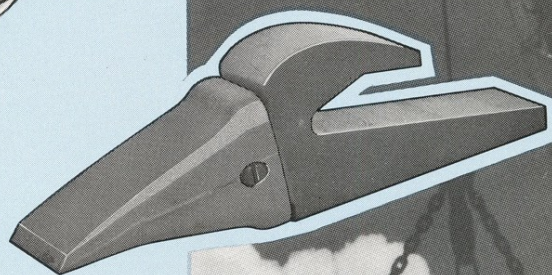
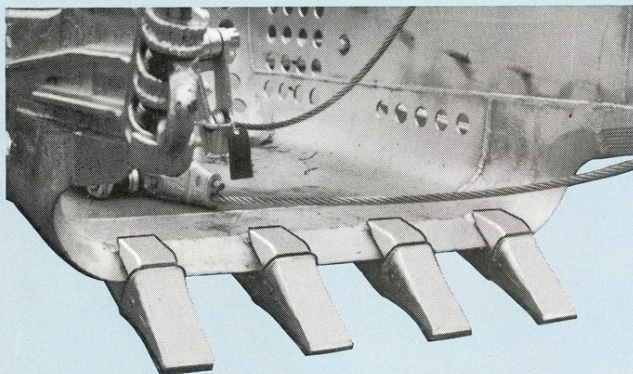
1/2 Wrap Around

Loader Lip Protectors

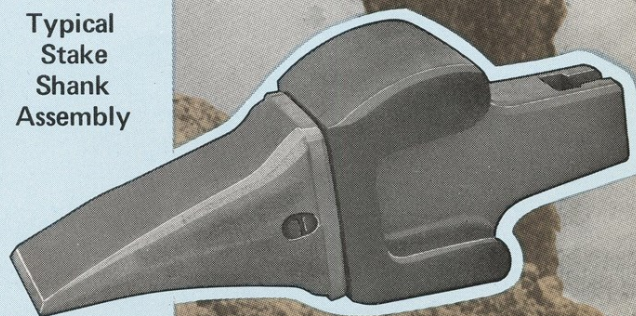
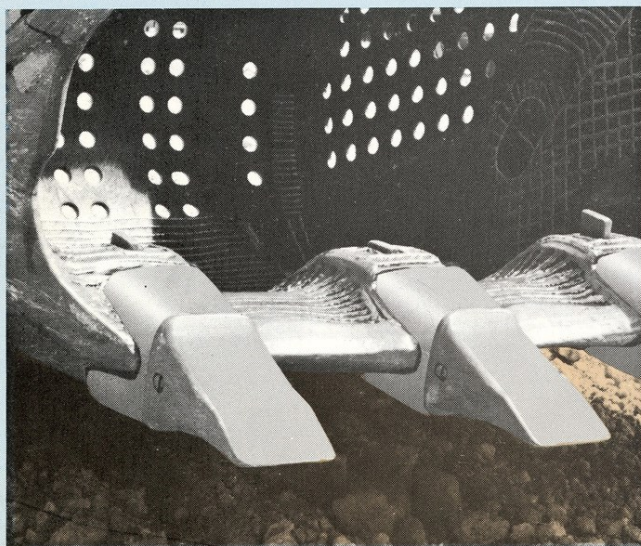


Typical Installation Views

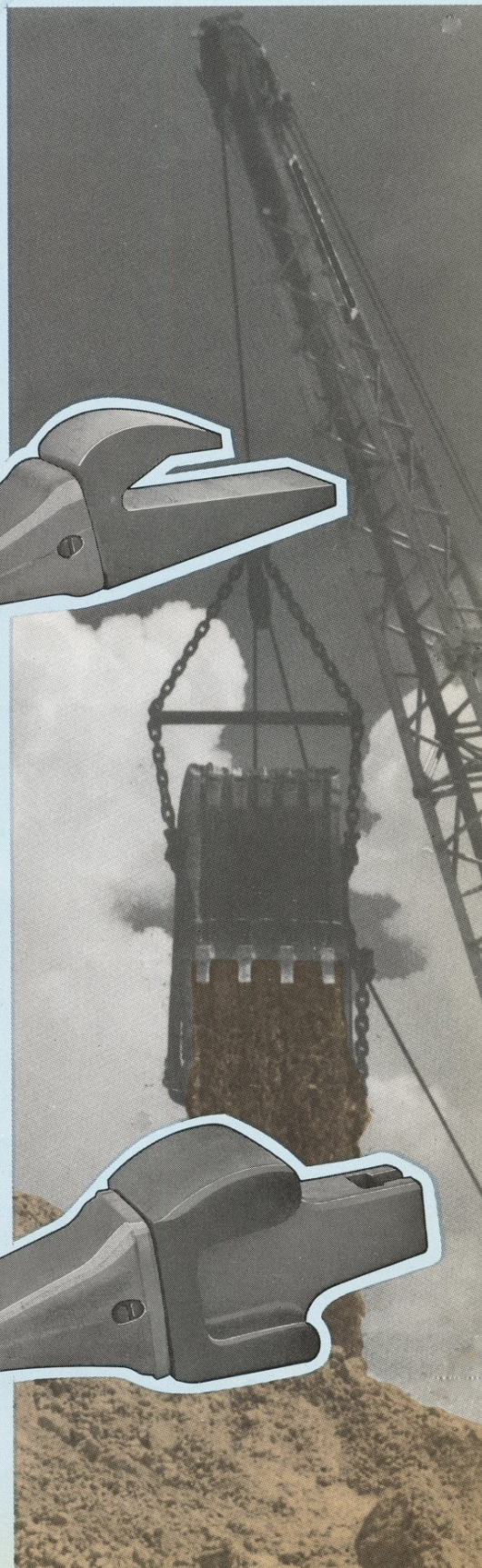




Typical Weld-on Shank Assembly



Typical Stake Shank Assembly

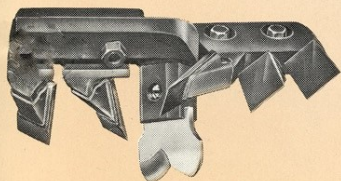


Auger Auger Auger Auger Auger Auger Auger Auger

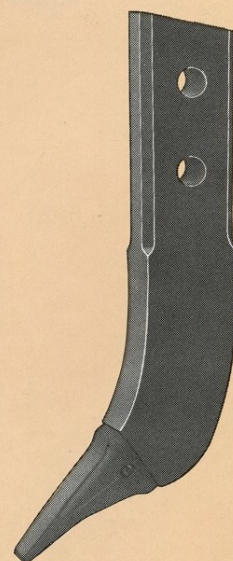
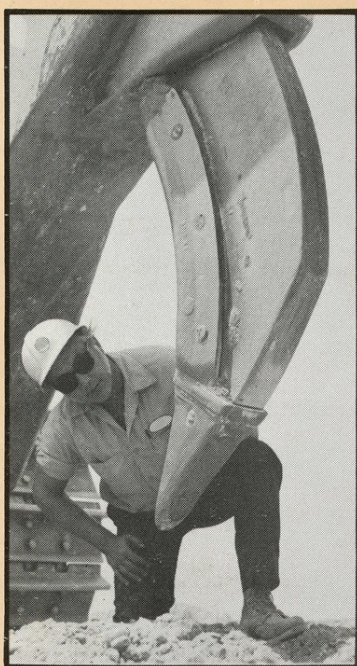
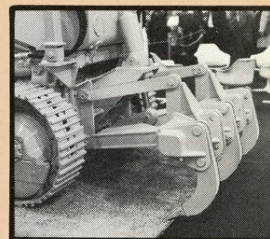
A detailed technical illustration of a mechanical drill bit, oriented vertically. The bit features a long, cylindrical shaft at the top, which transitions into a series of five wide, overlapping flutes designed for chip removal. The cutting edge is formed by two sharp, curved lips that meet at a central point. The entire tool is rendered in a metallic finish with highlights and shadows to emphasize its three-dimensional form.

A black and white photograph showing a large auger being used to drill a hole in the ground. Two workers are visible: one operating the machine and another standing nearby. The background shows the skeletal frame of a building under construction.

Auger Accessories



13



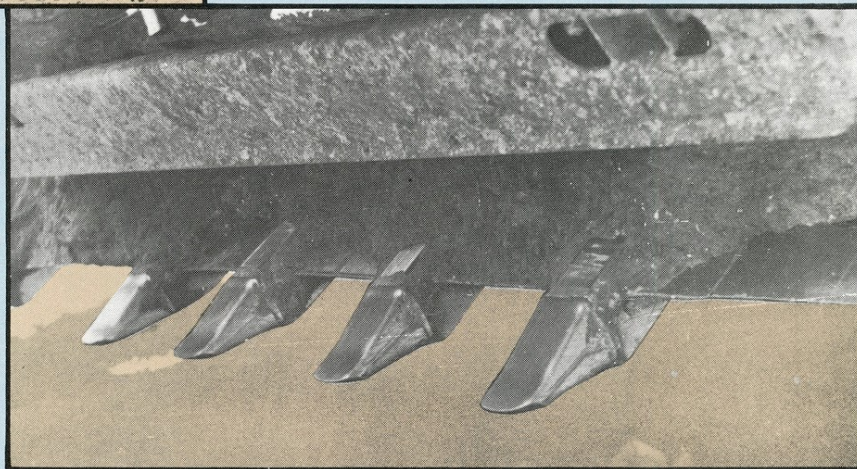
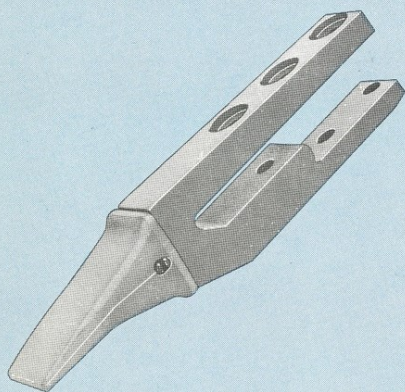
... for converting other makes of Ripper Shanks to H&L ... for repairing H&L Ripper Shank



H&L products for Elevating Scrapers



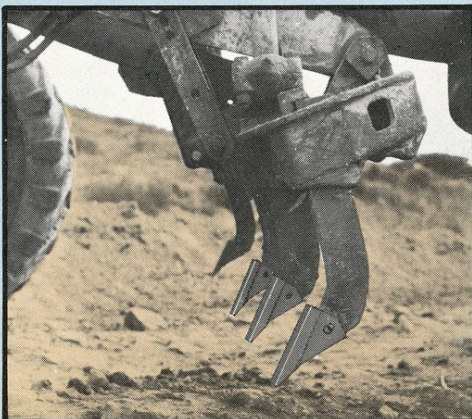
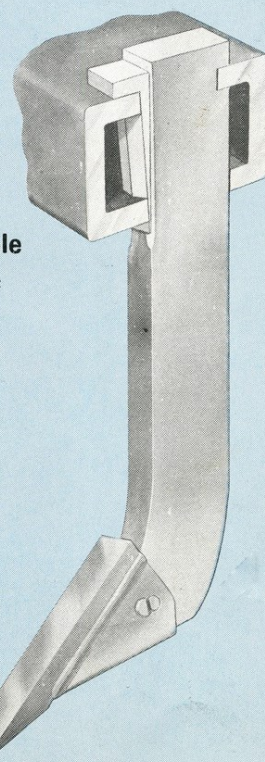
H&L Bolt-on Shanks with Replaceable Points for Elevating Scrapers
 . . . increase loading efficiency.
 . . . long wearing points reduce costs.



H&L products for Scarifiers



H&L Scarifier Shanks are available for all makes of Motor Graders.



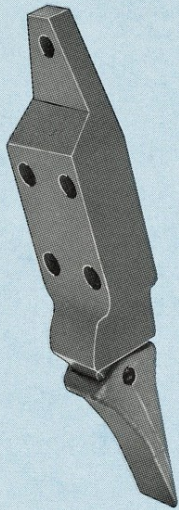
Scraper Scraper Scraper

Scarifier Scarifier Scarifier

H&L products for Clamshells

Clamshell Clamshell Clamshell

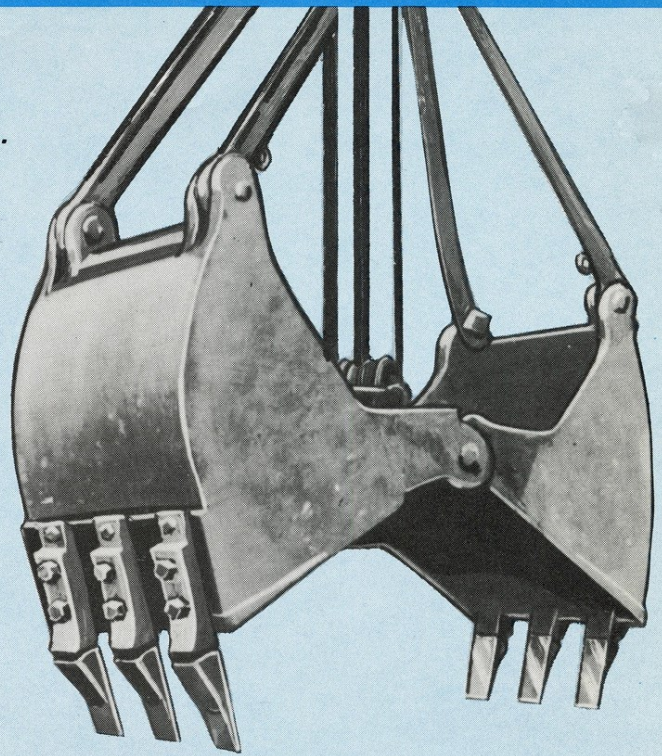
*A Size and Style for
all makes and models.*



Typical Bolt-on
Assembly



Typical Weld-on
Assembly

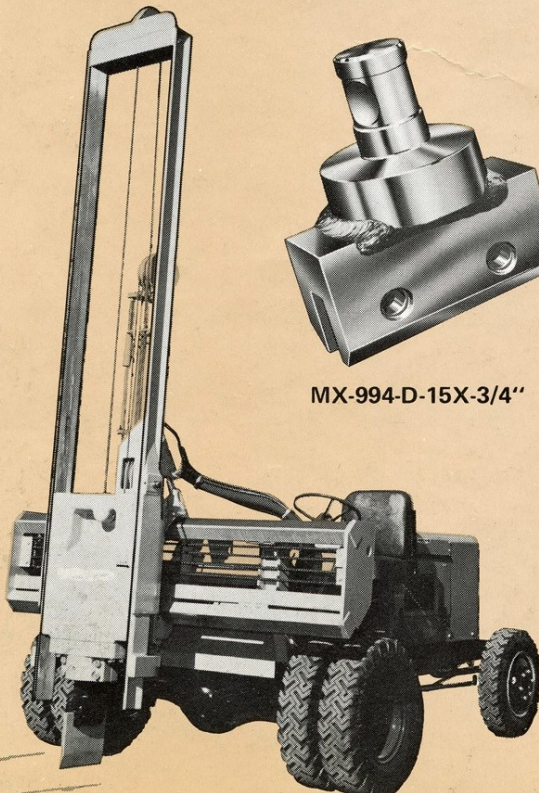


H&L Clamshell Shanks with Replaceable Points, increase the penetrating and digging ability of Clamshell Buckets.

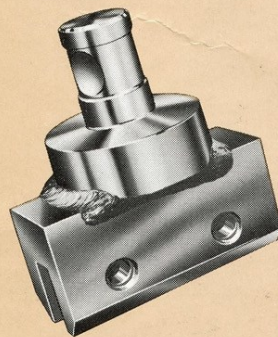
H&L products for Pavement Breakers

Pavement Breaker Pavement Breaker

Alloy steel heat treated blades reduce cutting time. Different types of blades interchange on one tool head. The blade is held securely with 2 Flexpins.



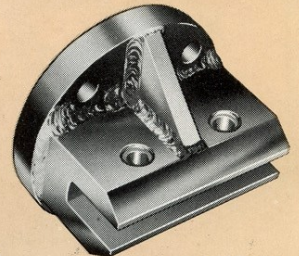
MX-994-D-15X-3/4"



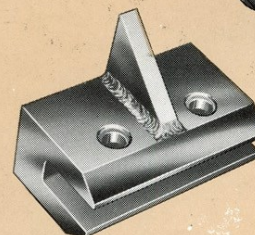
MX-994-AH-3/4"



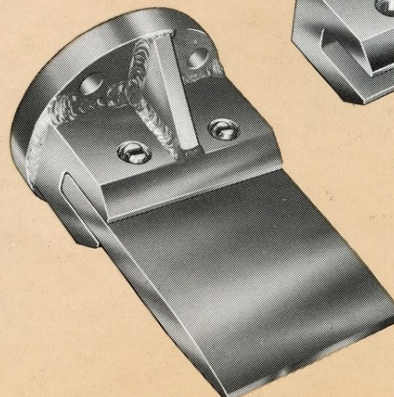
Typical Holders



MX-994-HD-3/4"



MX-994-DG-3/4"



Typical Assembly



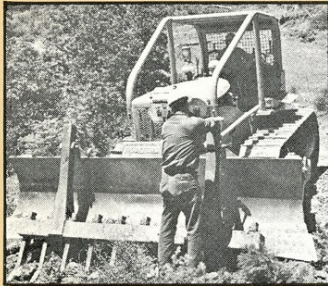
Typical Blade 3/4" or 1 1/16"

H&L Brush Grubber...

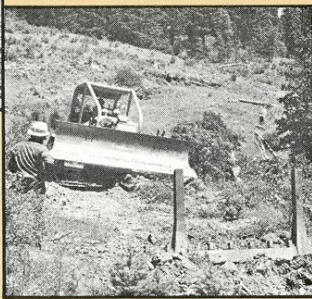
...featuring...

...adjustable arms to fit various blade heights.

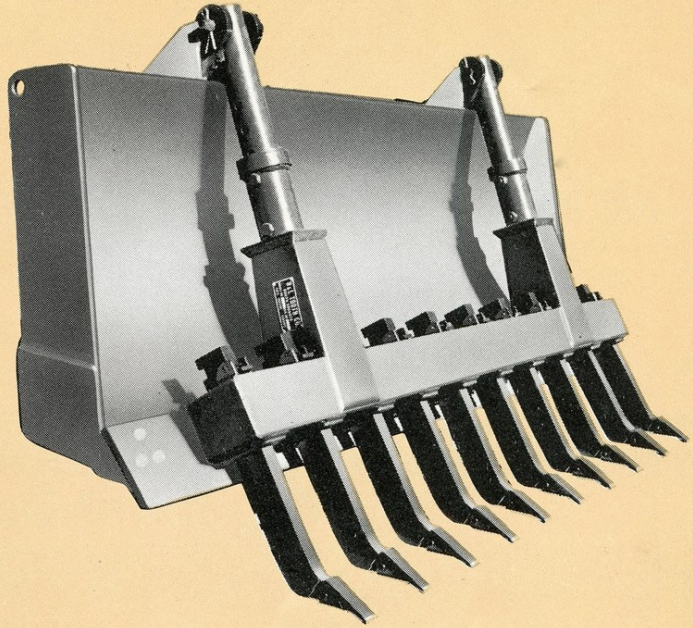
...replaceable alloy steel shanks and points.



...attach or remove in minutes...



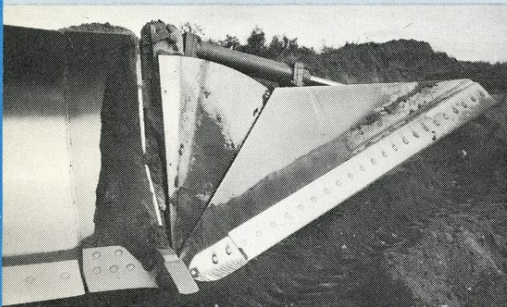
... with the H&L Brush Grubber, costly "change-over" time is nil. Place Grubber in ground, remove the two hinge pins ...



... and back the tractor away. The dozer blade is freed for other work. Grubber remains in ground position for quick installation, when required.

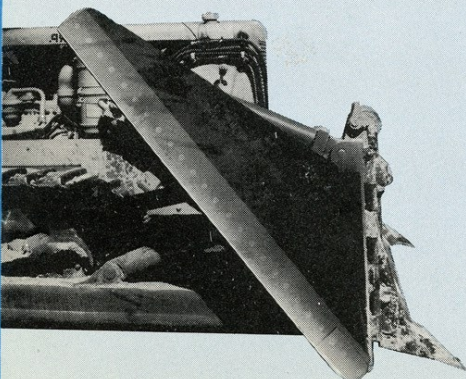
Brush Grubber Brush Grubber

H&L Sloper Blade...



...four sizes to fit all makes and models of Crawler Tractors.

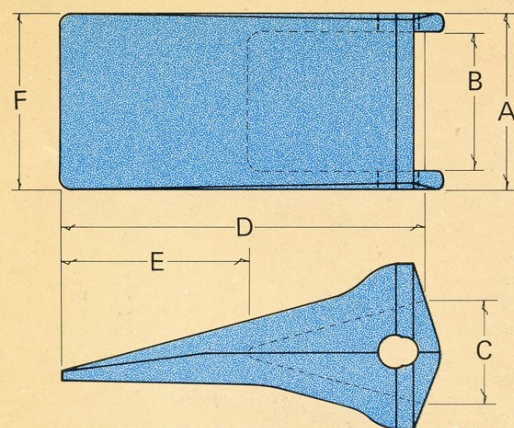
... hydraulically adjustable from the operators position to all slope angles of 2:1 (26 degrees) to 3/4:1 (53 degrees).



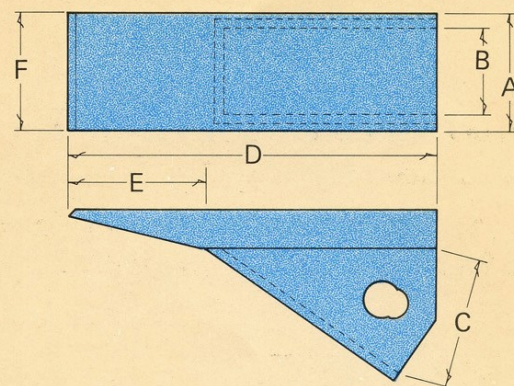
SIDE CARRY POSITION ...

... easily swings to side of tractor, out of the way for other dozer work.

Sloper Blade Sloper Blade



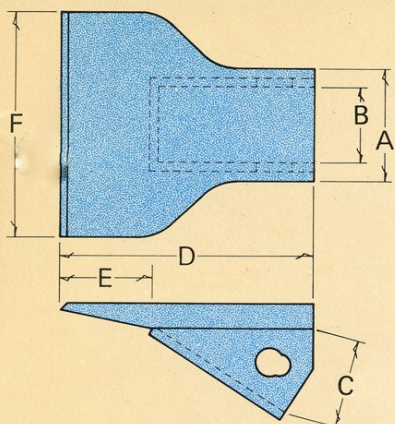
Uniforged - Flexpin



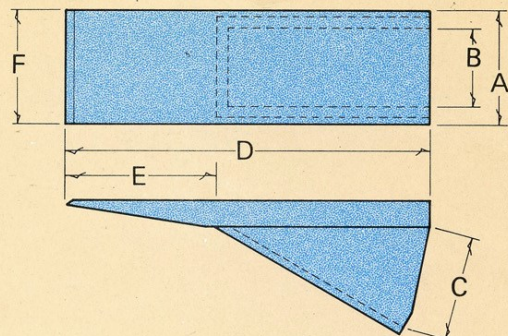
Fabricated - Flexpin

H&L Point Data Chart

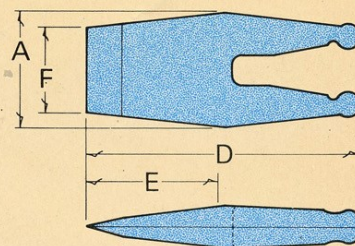
Point Style	Type	A		B		C		D		E		F	
		Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM
0 Regular	Fabricated/Crimp-on	1.12	28	.75	19	.56	14	2.56	65	1.03	26		
00 Regular	Fabricated/Crimp-on	1.44	37	1.00	25	.84	21	3.38	86	1.38	35		
1¼ Regular	Fabricated/Crimp-on	1.75	44	1.25	32	2.06	52	7.25	184	3.25	83		
1½ Regular	Fabricated/Crimp-on	1.25	32	.75	19	1.53	39	5.19	132	2.19	56		
1L Regular	Fabricated/Crimp-on	1.56	40	1.00	25	1.81	46	6.00	152	2.50	64		
2AH Regular	Fabricated/Crimp-on	1.62	41	1.06	27	1.25	32	4.12	105	1.75	44		
2A Rock	Fabricated/Crimp-on	1.75	44	1.06	27	1.25	32	3.88	99	1.50	38		
2A Long Rock	Fabricated/Crimp-on	1.75	44	1.06	27	1.25	32	4.31	109	1.94	49		
3CH Regular	Fabricated/Crimp-on	2.12	54	1.50	38	1.56	40	4.88	124	1.88	48		
3C Rock	Fabricated/Crimp-on	2.25	57	1.50	38	1.56	40	4.25	108	1.25	32		
3C Long Rock	Fabricated/Crimp-on	2.25	57	1.50	38	1.56	40	5.00	127	2.00	51		
3C Wide	Fabricated/Crimp-on	2.25	57	1.50	38	1.56	40	4.94	125	1.94	49	4.50	114
10NA	Fabricated/Flexpin	5.25	133	4.00	102	2.56	65	8.88	226	3.88	99		
11A	Uniforged/Insert	2.19	56					4.62	117	2.00	51	1.75	44
12A	Uniforged/Insert	2.38	60					5.62	143	2.75	70	1.75	44
12B	Uniforged/Insert	2.38	60					6.00	152	3.12	79		
18 Regular	Uniforged/Flexpin	3.50	89	2.50	64	3.30	84	10.25	260	5.12	130	2.25	57
18 Short Sharp	Uniforged/ Flexpin	3.50	89	2.50	64	3.30	84	8.88	226	3.75	95	2.38	60
19 Star	Uniforged/Flexpin	4.10	104	2.50	64	4.41	112	12.40	315	6.34	161	3.00	76
20 Regular	Uniforged/Flexpin	3.75	95	2.88	73	2.50	64	7.75	197	3.75	95		
20 Star	Uniforged/Flexpin	3.75	95	2.88	73	2.50	64	8.69	221	4.69	119		
21 Regular	Fabricated/Flexpin	1.75	44	1.00	25	2.50	64	7.12	181	2.96	75		
22 Regular	Fabricated/Flexpin	1.88	48	1.25	32	2.20	64	7.12	181	2.96	75		
23 Regular	Fabricated/Flexpin	2.25	57	1.50	38	1.75	44	5.06	129	1.94	49		
23H Regular	Fabricated/Flexpin	2.25	57	1.50	38	1.75	44	5.00	127	1.88	48		
23 Long Rock	Fabricated/Flexpin	2.25	57	1.50	38	1.75	44	5.44	138	2.31	59		
23SH Long Rock	Fabricated/Flexpin	2.38	60	1.50	38	1.75	44	5.31	135	2.19	56		
23 Wide	Fabricated/Flexpin	2.25	57	1.50	38	1.75	44	5.06	129	1.94	49	4.50	114
230 Regular	Uniforged/Flexpin	2.12	54	1.50	38	1.79	45	5.75	146	2.46	62		
230 Star	Uniforged/Flexpin	2.12	54	1.50	38	1.77	45	6.37	162	3.02	77		
24 Regular	Fabricated/Flexpin	2.25	57	1.50	38	2.16	55	6.50	165	2.41	61		
24 Rock	Fabricated/Flexpin	2.38	60	1.50	38	2.16	55	6.38	162	2.29	58		
24 Long Rock	Fabricated/Flexpin	2.38	60	1.50	38	2.16	55	7.38	187	3.29	84		
24 Wide	Fabricated/Flexpin	2.25	57	1.50	38	2.16	55	6.50	165	2.41	61	4.50	114
240 Regular	Uniforged/Flexpin	2.19	56	1.50	38	2.12	54	7.25	184	3.19	81		
240 Star	Uniforged/Flexpin	2.21	56	1.50	38	2.12	54	7.25	184	3.50	89		
25 Regular	Fabricated/Flexpin	2.88	73	2.00	51	2.12	54	6.75	171	2.66	68		
25 Clamshell	Fabricated/Flexpin	2.88	73	2.00	51	2.12	54	8.50	216	4.44	113		
25 Long	Fabricated/Flexpin	2.88	73	2.00	51	2.12	54	7.75	197	3.66	93		
25 Wide	Fabricated/Flexpin	2.88	73	2.00	51	2.12	54	6.75	171	2.66	68	5.75	146
251 Regular	Fabricated/Flexpin	2.88	73	2.00	51	2.12	54	6.88	175	2.78	71		
251H Regular	Fabricated/Flexpin	2.88	73	2.00	51	2.12	54	6.75	171	2.66	68		
251SP Quarry	Fabricated/Flexpin	2.88	73	2.00	51	2.12	54	6.75	171	2.66	68		
252 Regular	Uniforged/Flexpin	2.62	67	2.00	51	2.12	54	7.12	181	3.56	90		
252 Star	Uniforged/Flexpin	2.62	67	2.00	51	2.12	54	7.81	198	4.25	108		
26 Regular	Fabricated/Flexpin	3.00	76	2.00	51	2.78	71	7.25	184	2.26	67		
26 Clamshell	Fabricated/Flexpin	3.00	76	2.00	51	2.78	71	8.25	210	3.62	92		
26 Long	Fabricated/Flexpin	3.00	76	2.00	51	2.78	71	9.00	229	4.38	111		



Fabricated - Wide - Flexpin



Fabricated - Crimp-on



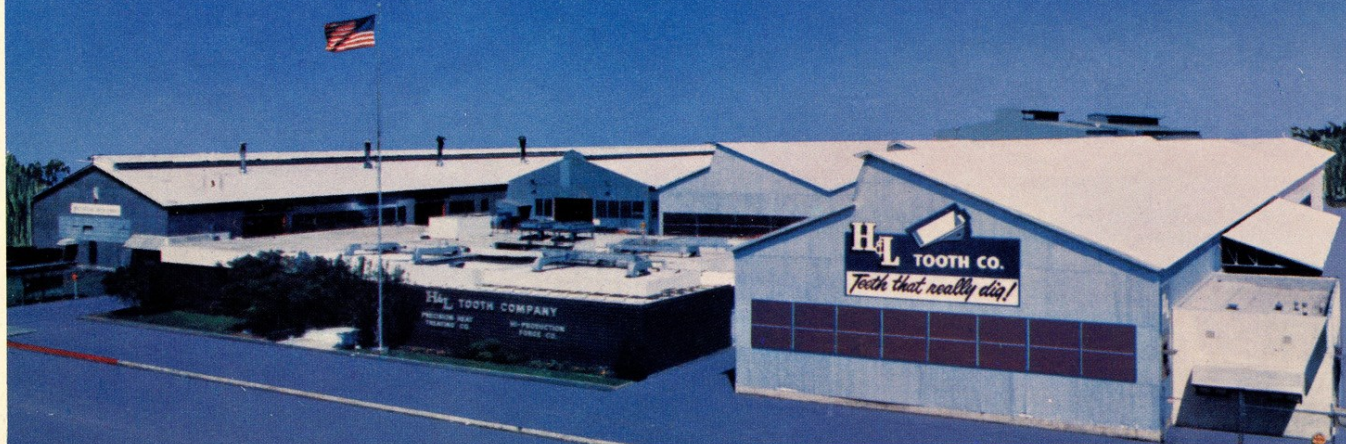
Uniforged - Insert

H&L Point Data Chart

Point Style	Type	A		B		C		D		E		F	
		Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM	Inches	MM
27 Regular	Fabricated/Flexpin	3.81	97	2.88	73	2.12	54	7.12	181	3.06	78		
27 Clamshell	Fabricated/Flexpin	3.81	97	2.88	73	2.12	54	8.50	216	4.44	113		
27 Long	Fabricated/Flexpin	3.81	97	2.88	73	2.12	54	8.00	203	3.94	100		
27 Wide	Fabricated/Flexpin	3.81	97	2.88	73	2.12	54	7.00	178	2.94	75	7.00	178
271 Regular	Fabricated/Flexpin	3.81	97	2.88	73	2.12	54	7.12	181	3.06	78		
272 Regular	Uniforged/Flexpin	3.62	92	2.88	73	2.10	53	7.50	191	3.88	99		
272 Star	Uniforged/Flexpin	3.62	92	2.88	73	2.10	53	8.50	216	4.94	125		
28 Regular	Fabricated/Flexpin	4.50	114	3.50	89	2.38	60	7.38	187	3.00	76		
28 Clamshell	Fabricated/Flexpin	4.50	114	3.50	89	2.38	60	9.00	229	4.62	117		
28 Quarry	Fabricated/Flexpin	4.50	114	3.50	89	2.38	60	7.38	187	3.00	76		
29 Regular	Fabricated/Flexpin	4.50	114	3.50	89	2.72	69	7.38	187	3.00	76		
30 Regular	Fabricated/Flexpin	5.12	130	3.75	95	2.88	73	8.88	226	3.88	99		
31 Regular	Uniforged/Flexpin	4.50	114	3.25	83	3.00	76	9.50	241	4.88	124		
31 Heavy	Uniforged/Flexpin	4.50	114	3.25	83	3.00	76	10.50	267	5.88	149		
31 Short Sharp	Uniforged/Flexpin	4.50	114	3.25	83	3.00	76	8.44	214	3.81	97		
31 Star	Uniforged/Flexpin	4.62	117	3.25	83	3.00	76	10.88	276	6.25	159		
32 Regular	Uniforged/Flexpin	5.00	127	3.75	95	3.38	86	10.41	264	5.50	140		
32 Heavy	Uniforged/Flexpin	5.00	127	3.75	95	3.38	86	10.62	270	5.72	145		
32 Short Sharp	Uniforged/Flexpin	5.00	127	3.75	95	3.38	86	9.41	239	4.50	114		
32 Semi-Sharp	Uniforged/Flexpin	5.00	127	3.75	95	3.38	86	10.00	254	5.10	130		
33 Regular	Uniforged/Flexpin	6.00	152	4.50	114	4.00	102	12.62	321	6.62	168		
33 Heavy	Uniforged/Flexpin	6.00	152	4.50	114	4.00	102	12.81	325	6.81	173		
33 Short Sharp	Uniforged/Flexpin	6.00	152	4.50	114	4.00	102	11.06	281	5.06	129		
33 Semi-Sharp	Uniforged/Flexpin	6.00	152	4.50	114	4.00	102	11.19	284	5.19	132		
34 Regular	Fabricated/Flexpin	5.25	133	3.75	95	3.56	90	10.50	267	4.31	109		
34 Short Sharp	Fabricated/Flexpin	5.25	133	3.75	95	3.56	90	9.62	244	3.44	87		
35 Regular	Fabricated/Flexpin	6.25	159	4.62	117	4.03	102	12.12	308	5.04	128		
35 Heavy	Fabricated/Flexpin	6.25	159	4.62	117	4.03	102	12.12	308	5.04	128		
36 Regular	Uniforged/Flexpin	4.50	114	2.88	73	4.53	115	13.44	341	6.88	175	3.00	76
36 Short Sharp	Uniforged/Flexpin	4.50	114	2.88	73	4.53	115	12.62	321	6.06	154	3.00	76
36 Star	Uniforged/Flexpin	4.50	114	2.88	73	5.33	135	15.00	381	6.75	171	3.00	76
37 Regular	Fabricated/Flexpin	3.88	99	2.75	70	3.38	86	8.75	222	3.12	79		
37EH Quarry	Fabricated/Flexpin	4.19	106	2.75	70	3.38	86	9.00	229	3.38	86		
38 Regular	Uniforged/Flexpin	5.30	135	3.50	89	5.53	140	15.56	395	7.50	191	3.38	86
38 Short Sharp	Uniforged/Flexpin	5.31	135	3.50	89	5.51	140	14.81	376	6.75	171	3.38	86
38 Star	Uniforged/Flexpin	5.31	135	3.50	89	5.51	140	15.75	400	7.75	197	3.90	99
39 Regular	Uniforged/Flexpin	6.94	176	5.24	133	4.50	114	15.50	394	8.56	217		
39C Sharp	Uniforged/Flexpin	6.94	176	5.24	133	4.50	114	15.50	394	8.56	217		
40 Regular	Uniforged/Flexpin	7.38	187	5.25	133	5.25	133	17.88	454	10.00	254		
40 Sharp	Uniforged/Flexpin	7.38	187	5.25	133	5.25	133	17.88	454	10.00	254		
40 LS	Uniforged/Flexpin	7.57	192	5.33	135	5.25	133	15.75	400	7.75	197	6.20	158
45 Regular	Uniforged/Flexpin	8.12	206	6.00	152	6.00	152	19.25	489	10.50	267		
50 Regular	Fabricated/Flexpin	4.19	106	2.75	70	4.12	105	9.50	241	3.09	78		
60 Regular	Fabricated/Flexpin	4.75	121	3.25	83	5.94	151	12.31	313	3.31	84		
308 Regular	Uniforged/Flexpin	5.20	132	3.31	84	5.00	127	14.50	368	7.50	191	3.24	82
308 Short Sharp	Uniforged/Flexpin	5.20	132	3.31	84	5.00	127	13.00	330	6.00	152	3.44	87
308 Star	Uniforged/Flexpin	5.20	132	3.31	84	5.80	147	16.00	406	7.50	191	3.24	82

H&L Tooth Company, founded in 1931, developed and pioneered two-part teeth for excavating equipment.

The entire resources of the Company continues to be committed to maintaining its world leadership in the manufacturing of **FORCED** excavating teeth and related parts.



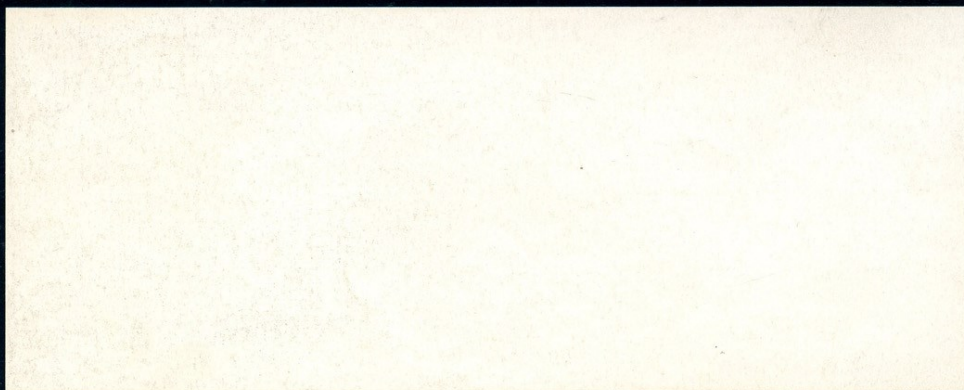
H&L Tooth Company

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H&L Products Sold and Serviced by:



United States Patents: 2994140, 2996816, 3016253, 3020655, 3116797, 3120281, 3180430, 3180431, 3277592, 3292280, 3327484, 3429380, 3429381, 3733722.
Canadian Patents: 614894, 647084, 656302, 667789, 677405, 693511, 722407, 737648, 738862, 785661, 790284, 822884, 822885, 943997. Japanese Patents: 516193, 542349, 612967, 657827, 711672. Italian Patents: 704516. West German Patents: 1280760, 1484690, 1484708, 1484710, 1634869, 1634872. Bolivia Patents: 3407'B'.
South African Patents: 3189/67, 4358/66, 4678/68, 6011/71. Swedish Patents: 381484. Great Britain Patents: 942166, 976066, 980717, 1021999, 1024165, 1114058, 1162503, 1188223, 1324908. Australian Patents: 250500, 254842, 265609, 275396, 276335, 291675, 414653, 421641, 458480. Venezuelan Patents: 19519.
Belgium Patents: 780084. Litho U.S.A.