



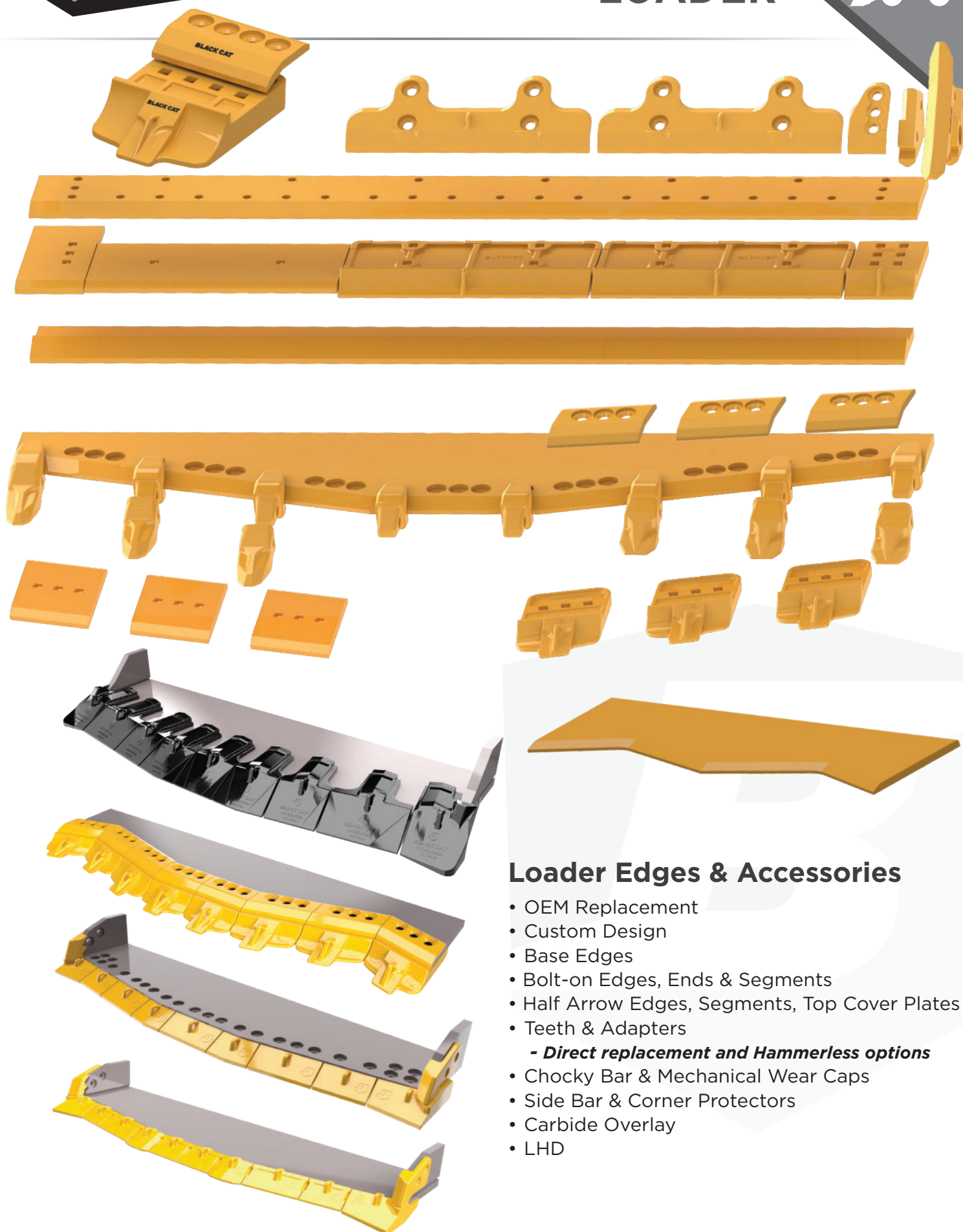
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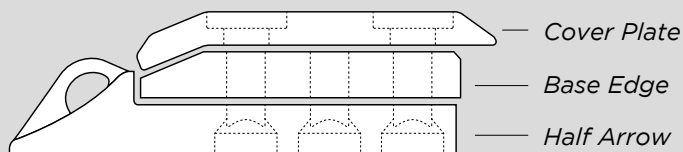
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- Custom Design
- Base Edges
- Bolt-on Edges, Ends & Segments
- Half Arrow Edges, Segments, Top Cover Plates
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- Chocky Bar & Mechanical Wear Caps
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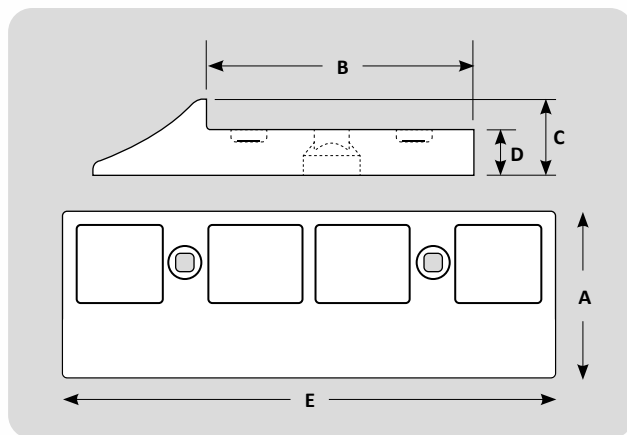
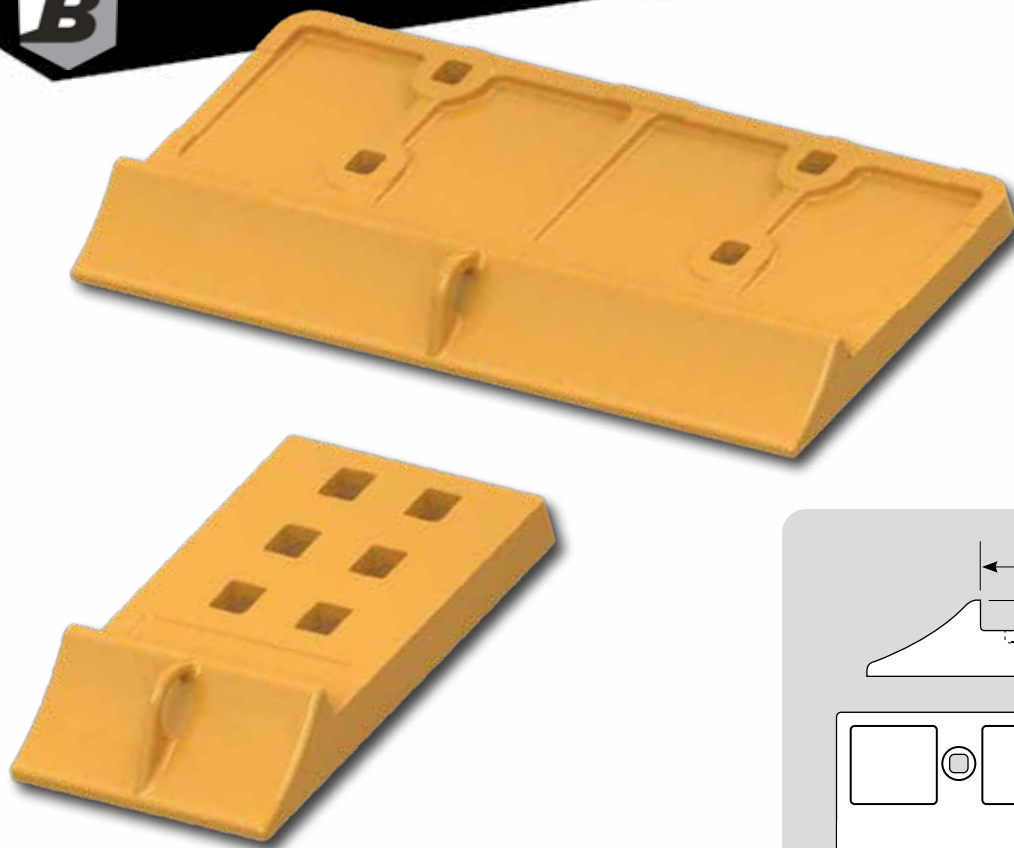
HALF ARROW Segments & Blades *for Applications on Caterpillar® Equipment*



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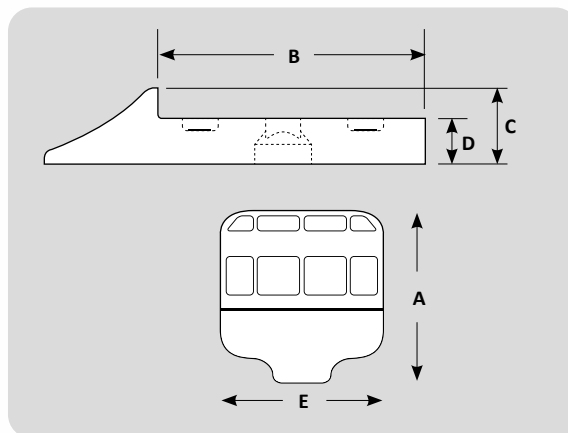
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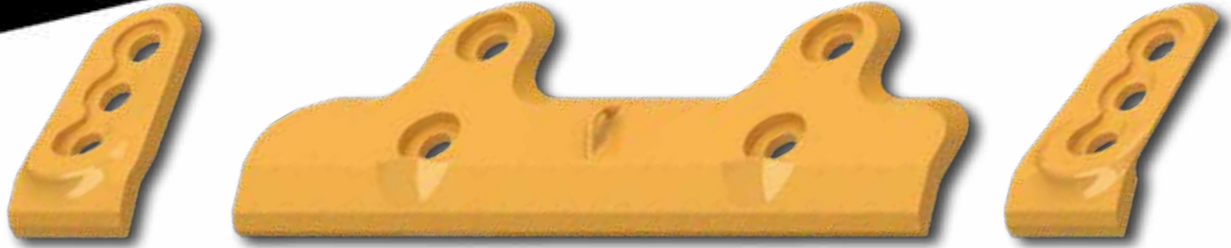
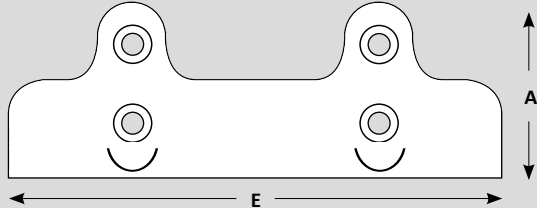
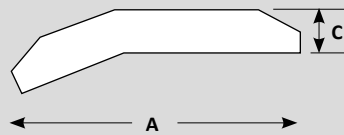
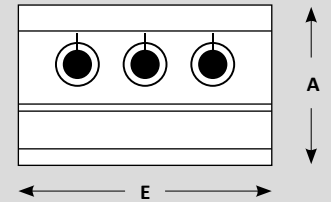
Half Arrow Blades

Part Number	Description	Weight	Replaces (DBF)	Model	A	B	C	D	E	Holes
1U0601HAN	CTR Blade (3 req.)	116 lbs	1U0601 or 132 1034 (2 req.)	950B, E, F	10.38"	6.75"	2.38"	1.63"	30.25"	2
139 9230HAN	CTR Blade (3 req.)	130 lbs	139 9230 or 135 9666 (2 req.)	950G,H 962G,H 1T62G,H	10.38"	6.75"	2.38"	1.63"	32.15"	2
4T8101HA	End RH or LH (2 req.)	49 lbs	4T8101 or 132 1033 (2 req.)	950B,E,F,G,H 962G,H 1T62G,H	15.13"	11.50"	2.38"	1.63"	8.38"	3
1U0593HA	CTR Blade (3 req.)	230 lbs	1U0593 or 100 4046 (2 req.)	960F, 966D,E,F,G,H, 970F, 972G,H	15.63"	12.00"	2.88"	1.75"	33.50"	4
1U0593HAN	CTR Blade (3 req.)	163 lbs			11.13"	7.50"	2.88"	1.75"	33.50"	2
100 6668HA	CTR Blade (3 req.)	240 lbs	100 6668 or 140 6823 (2 req.)	966G,H 970F, 972G,H	15.63"	12.00"	2.88"	1.75"	35.38"	4
100 6668HAN	CTR Blade (3 req.)	172 lbs			11.13"	7.50"	2.88"	1.75"	35.38"	2
3G6395HAR	End RH. (1 req.)	69 lbs	3G6395 or 100 4044 (2 req.)	960F, 966D,E,F,G,H 970F, 972G,H	15.63"	12.00"	2.88"	1.75"	9.50"	3
3G6395HAL	End LH. (1 req.)	69 lbs			15.63"	12.00"	2.88"	1.75"	9.50"	3
217 4725	CTR Blade (3 req.)	274 lbs	1U0762 or 100 4047 (2 req.)	980C,F	16.75"	12.08"	3.13"	1.88"	36.75"	4
217 4725N	CTR Blade (3 req.)	221 lbs			12.75"	8.08"	3.13"	1.88"	36.75"	2
217 4727	CTR Blade (3 req.)	281 lbs	109 9212 or 109 9230 (2 req.)	980 F,G,H	16.75"	12.08"	3.13"	1.88"	37.94"	4
217 4727N	CTR Blade (3 req.)	227 lbs			12.75"	8.08"	3.13"	1.88"	37.94"	2
9W1375HAN	CTR Blade (3 req.)	203 lbs	9W1375	988B	12.75"	8.08"	2.75"	1.50"	39.88"	2
217 4726	End RH or LH (2 req.)	82 lbs	1U0761 or 100 4043 (2 req.)	980C,F,G,H 988B	16.75"	12.08"	3.13"	1.88"	10.50"	6
9W5733HA	CTR Blade	190 lbs	9W5733 or 106 1096	988 B	16.00"	10.50"	3.25"	1.75"	27.81"	5
9W5734HA	CTR Blade	83 lbs	9W5734	980, 988B, G	16.00"	10.50"	3.25"	1.75"	12.25"	3
9W5736HA	Intermediate RH	210 lbs	9W5736 or 106 1098	988 B	16.00"	10.50"	3.25"	1.75"	30.14"	6
9W5731HA	Intermediate LH	210 lbs	9W5731 or 106 1094	988 B	16.00"	10.50"	3.25"	1.75"	30.14"	6
9W5735HA	End RH. (1 req.)	193 lbs	9W5735 or 106 1097	988 B	16.00"	10.50"	3.25"	1.75"	27.85"	4
9W5732HA	End LH. (1 req.)	193 lbs	9W5732 or 106 1095	988 B	16.00"	10.50"	3.25"	1.75"	27.85"	4
104 5841HAC	CTR Blade	276 lbs	104 5841 (2 req.)	988, F, G, H	16.75"	12.08"	3.00"	1.75"	38.82"	4
1045841 HALR	CTR Intermediate RH/LH (2 req.)	286 lbs			16.75"	12.08"	3.00"	1.75"	42.93"	4
217 4726	End Rh or LH (2 req.)	82 lbs	1U0761 or 100 4043 (2 req.)	988, F, G, H	16.75"	12.08"	3.13"	1.88"	10.50"	6



Half Arrow Segments

Part Number	Description	Weight	Replaces (DBF)	Model	A	B	C	D	E	Holes
4T6692HA	Segment	25 lbs	4T6692	939 - 963	10.88"	6.13"	2.25"	1.38"	7.69"	2
4T6693HA	Segment	26 lbs	4T6693 or 132 1036	920 - 963	10.88"	6.13"	2.25"	1.38"	8.25"	2
4T6694HA	Segment	29 lbs	4T6694 or 132 1035	916 - 963	10.88"	6.13"	2.25"	1.38"	9.00"	2
4T6695HA	Segment	34 lbs	4T6695 or 132 1037	936 - 960	10.88"	6.13"	2.25"	1.38"	10.44"	2
174 4114	Segment	55 lbs	4T6699 or 140 6868	960F, 966D,E,F,G, 970F, 972G	13.50"	7.50"	2.88"	1.75"	10.63"	2
174 4116	Segment	59 lbs	100 6666 or 140 6870	966G, 970F, 972G	13.50"	7.50"	2.88"	1.75"	11.56"	2
173 7447	Segment	59 lbs	4T6700 or 107 8580	980C,F, 988B	13.75"	7.75"	2.88"	1.56"	11.38"	2
174 4115	Segment	69 lbs	109 9019 or 135 8219	980F,G,H	14.63"	8.13"	2.88"	1.75"	12.50"	2
135 9544	CTR Segment	83 lbs	135 9294	966G, 972G	18.32"	10.31"	2.88"	1.75"	11.81"	2
135 9545/46	RH/LH Segment	86 lbs	135 9295/96		18.32"	10.31"	2.88"	1.75"	11.97"	2
113 3140	CTR Segment	80 lbs	4T3015 or 107 8582 or 140 6862	980C,F	18.28"	10.28"	2.88"	1.75"	11.34"	2
113 3141/42	RH/LH Segment	94 lbs	4T7139/40 or 107 8583/84		18.28"	10.28"	2.88"	1.75"	12.91"	2
9W5734HA	CTR Segment	83 lbs	9W5734	980 988B,G	16.00"	10.50"	3.25"	1.75"	12.25"	3
116 7460	CTR Segment	100 lbs	9W5734 or 107 3490	980F,G, 988B,F	18.83"	11.00"	3.13"	2.00"	12.28"	3
116 7461/62	RH/LH Segment	97 lbs	9W5737/30 or 107 3491/92		18.83"	11.00"	3.13"	2.00"	12.28"	3
109 9080	CTR Segment	105 lbs	101 9435 or 107 3536	988F,G, 5080	18.83"	11.00"	3.13"	2.00"	13.47"	3
109 81/82	RH/LH Segment	109 lbs	101 9436/37 or 107 3537/38		18.83"	11.00"	3.13"	2.00"	13.47"	3
109 9080HD	CTR Segment	108 lbs	101 9435 or 107 3536	988F,G, 5080	17.79"	10.83"	3.13"	2.00"	13.47"	3
109 9081HD/82HD	RH/LH Segment	112 lbs	101 9436/37 or 107 3537/38		17.79"	10.83"	3.13"	2.00"	13.47"	3
257 1782	CTR Segment	133 lbs	N/A	988H	16.55"	10.82"	3.00"	2.00"	16.00"	4
257 1783/84	RH/LH Segment	138 lbs	N/A		16.55"	10.82"	3.00"	2.00"	16.00"	4
275 5460	CTR Segment	191 lbs	4T6760/61/62 or 107 3530/31/32 or 107 6294/95/96	988F,G, 990, 992D,G	21.34"	13.09"	4.25"	2.50"	16.14"	4
275 5461/62	RH/LH Segment	213 lbs	4T6760/61/62 or 107 3530/31/32 or 107 6294/95/96		21.34"	13.09"	4.25"	2.50"	17.17"	4
275 5470	CTR Segment	240 lbs	4T6760/61/62 or 107 3530/31/32 or 107 6294/95/96	988F,G, 990, 992D,G	21.34"	13.09"	5.00"	3.25"	16.14"	4
275 5471/72	RH/LH Segment	272 lbs	4T6760/61/62 or 107 3530/31/32 or 107 6294/95/96		21.34"	13.09"	5.00"	3.25"	17.17"	4
264 2090	CTR Segment	194 lbs	N/A	990H	21.45"	13.91"	3.81"	2.50"	18.51"	4
264 2091/92	RH/LH Segment	206 lbs	N/A		21.45"	13.91"	3.81"	2.50"	18.51"	4
109 9030	CTR Segment	355 lbs	103 1833	994, D,F	26.75"	17.21"	6.00"	3.50"	17.32"	5
109 9033	CTR Segment	483 lbs	107 3383		26.75"	17.21"	6.00"	3.50"	24.49"	5
109 9031/32	RH/LH Segment	359 lbs	103 1834/35 on specific base edges	994 B.E.# 101 5868/5865, 110 2339	27.55"	18.89"	6.00"	3.50"	17.32"	5
117 6805/06	RH/LH Segment	350 lbs	103 1834/35 on specific base edges	994 B.E. # 121 2105/6660	26.75"	17.21"	6.00"	3.50"	17.32"	5

**Half Arrow Blade Cover Plate****Half Arrow Cover Plate End View****Half Arrow Segment Cover Plate**

Half Arrow Blade Cover Plates

Part Number	Description	Weight	Number Required	Model	A	C	E	Holes
1U0593TP	CTR Cover Plate	60 lbs	(3 req.)	960F, 966D,E,F,G,H, 970F, 972G,H	12.59"	1.00"	33.50"	4
100 6668TP	CTR Cover Plate	62 lbs	(3 req.)	966G,H 970F, 972G,H	12.59"	1.00"	35.38"	4
3G6395TPR	RH Cover Plate	13 lbs	(1 req.)	960F, 966D,E,F,G,H 970F, 972G,H	12.59"	1.00"	5.75"	3
3G6395TPL	LH Cover Plate	13 lbs						
217 4725TP	CTR Cover Plate	91 lbs	(3 req.)	980C,F	13.37"	1.25"	36.75"	4
217 4727TP	CTR Cover Plate	93 lbs	(3 req.)	980F,G,H	13.37"	1.25"	37.94"	4
217 4726TPR	RH Cover Plate	18 lbs	(1 req.)	980C,F,G,H	13.37"	1.25"	6.00"	3
217 4726TPL	LH Cover Plate	18 lbs						

Half Arrow Segment Cover Plates

Part Number	Description	Weight	Used With	Model	A	C	E	Holes
113 3140TP	CTR Cover Plate	26.0 lbs	113 3140	980C,F	7.86"	1.25"	11.34"	2
113 3141TP/42TP	RH/LH Cover Plate	31.0 lbs	113 3141/42		7.86"	1.25"	15.27"	2
195 7180CAST	CTR Cover Plate	32.8 lbs	116 7460 or 109 9080	988F, G	8.24"	1.25"	13.50"	3
195 7181/82CAST	RH/LH Cover Plate	34.0 lbs	116 7461/62 or 109 9081/82		8.24"	1.25"	16.00"	3
195 7096CAST	CTR Cover Plate	40.0 lbs	119 6000 or 275 5460 or 275 5470	988F,G, 990, 992D,G	9.63"	1.25"	16.00"	4
195 7097/98CAST	RH/LH Cover Plate	45.0 lbs	275 5461/62 or 275 5471/72		9.63"	1.25"	20.25"	4
264 2096	CTR Cover Plate	40 lbs	264 2090	990	9.86"	0.94"	18.50"	4
264 2097/98	RH/LH Cover Plate	48 lbs	264 2091/92		9.85"	0.94"	22.95"	4
208 5327	CTR Cover Plate	49.0 lbs	119 6000 or 275 5460 or 275 5470	992G High Abrasion Buckets 35 degree bevel	10.25"	1.25"	16.00"	4
208 5328/29	RH/LH Cover Plate	54.0 lbs	275 5461/62 or 275 5471/72		10.20"	1.25"	17.56"	4
195 7230	CTR Cover Plate	84.0 lbs	109 9030	994D, F	13.06"	1.50"	17.50"	5
195 7231/32	RH/LH Cover Plate	92.0 lbs	117 6805/06		13.50"	1.50"	17.10"	5
109 9033TP	CTR Cover Plate	122 lbs	109 9033	994D, F	13.06"	1.50"	24.5"	5
109 9031TP/32TP	RH/LH Cover Plate	65.0 lbs	109 9031/32		13.75"	1.50"	17.65"	5

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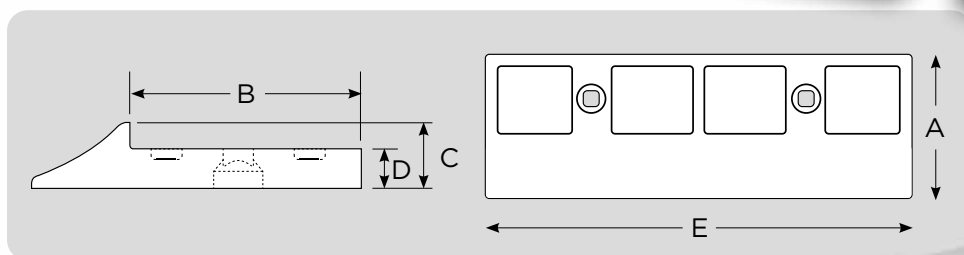
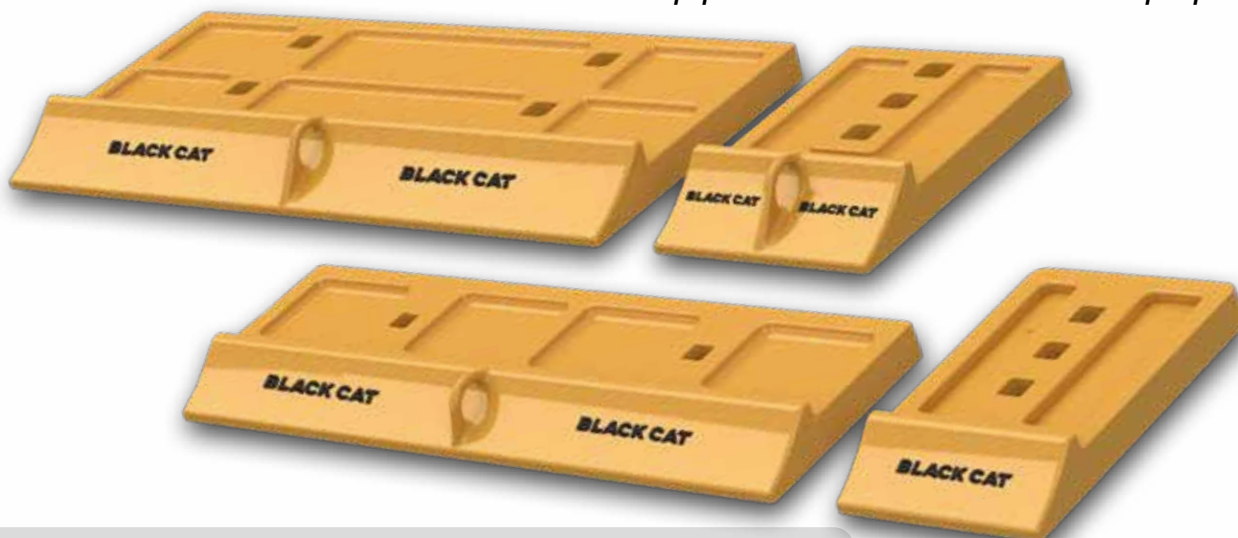


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HALF ARROW Segments & Blades

for Applications on OEM Equipment



John Deere® Equipment

Part Number	Description	Weight	Replaces	Model	A	B	C	D	E	Holes
T198126HA	CTR Blade (3 req.)	283.0 lbs	T198126 (3 req.)	844J	16.73	12.07	3.13	1.87	37.56	4
T196455HA	End RH or LH (2 req.)	83.0 lbs	T196455 (2 req.)		16.73	12.07	3.13	1.87	11.10	3
T167828HAN	CTR Blade (3 req.)	130.0 lbs	T167828 (1 req.)	644H/J 724J - 115" Bucket	10.37	6.75	2.37	1.63	31.65	2
T171386HANC	CTR Blade (1 req.)	137.0 lbs	T171386 (2 req.)	644H/J 724J - 120" Bucket	10.37	6.75	2.37	1.63	33.24	2
T171386HAN	CTR Intermediate (2 req.)	138.0 lbs			10.37	6.75	2.37	1.63	33.62	2
T167829HAR	End RH (1 req.)	54.0 lbs	T167829 (2 req.)	644H/J 724J - Both Buckets	14.75	11.13	2.37	1.63	9.35	3
T167829HAL	End LH (1 req.)	54.0 lbs								
T167922HAN	CTR Blade (3 req.)	134.7 lbs	T167922	744H/J	11.38"	7.75"	2.63"	1.50"	33.19"	2
T156530HANC	CTR Blade (1 req.)	147.7 lbs	T156530	744H/J, 824J	11.38"	7.75"	2.63"	1.50"	35.76"	2
T153530HANL	CTR LH (1 req.)	149.4 lbs			11.38"	7.75"	2.63"	1.50"	36.56"	2
T156530HANR	CTR RH (1 req.)	150.5 lbs			11.38"	7.75"	2.63"	1.50"	36.56"	2
AT139622HAL	End LH (1 req.)	61.6 lbs	139622	744E/H/J, 824J	15.63"	12.00"	2.88"	1.75"	9.53"	3
AT139622HAR	End RH (1 req.)	61.0 lbs								

Kawasaki® Blades & Segments

Part Number	Description	Weight	Replaces	Model	A	B	C	D	E	Holes
3093520170H	CTR Blade (3 req.)	189.0 lbs	3093520170 / O3D 7430L001	95Z3, 4	12.50"	7.00"	3.13"	1.63"	37.61"	4
3093520180H	End RH or LH (2 req.)	76.0 lbs	3093520180 / O3D 7440L001	95Z3, 4	16.00"	10.50"	3.13"	1.63"	11.00"	3

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Komatsu® Blades & Segments

Part Number	Description	Weight	Replaces (DBF)	Model	A	B	C	D	E	Holes
WA600-HA	CTR Blade (3 req.)	287.0 lbs	426-815-A110 (1 req.)	WA600-1 & 3	14.00"	9.00"	3.13"	2.00"	40.81"	4
WA600-HAE	End RH or LH (2 req.)	98.0 lbs	426-815-A120 (2 req.) 426-815-A130 (2 req.)		18.38"	14.00"	3.13"	2.00"	11.06"	4
WA500-3HA	CTR Blade (3 req.)	187.0 lbs	425-815-A310(1) / 425-815-A320(2)	WA500-1 S/N 20001+ WA500-3 & 6	11.00"	6.00"	3.13"	2.00"	36.99"	4
WA500-3HAL	End LH (1 req.)	82.0 lbs	or 425-815-A210(2) / 425-815-A320(2) or 425-815-2220(1) / 425-815-2210(2)		16.16"	11.00"	3.13"	2.00"	11.20"	3
WA500-3HAR	End RH (1 req.)	82.0 lbs			16.16"	11.00"	3.13"	2.00"	11.20"	3
WA470-HA	CTR Blade (3 req.)	116.0 lbs	421-815-A110(1) / 424-815-A110(2)	WA450-2 through WA470-1 & 3 WA480-5 & 6	10.25"	6.00"	2.50"	1.50"	30.68"	4
WA470-HAL	End LH (1 req.)	62.0 lbs	or 421-815-2110(1) / 421-815-1121(2)		10.25"	6.00"	2.50"	1.50"	16.14"	3
WA470-HAR	End RH (1 req.)	62.0 lbs	or 421-815-3210(2) / 421-815-3220(2)		10.25"	6.00"	2.50"	1.50"	16.14"	3
425-838-A110H	Segment	64.0 lbs	425-838-A110	WA500	15.25"	8.00"	2.88"	1.80"	11.19"	2
M600HAC	CTR Segment (1 req.)	122.2 lbs	426-838-3220 (1 req.)	WA600	17.13"	11.00"	3.63"	2.75"	13.00"	3
M600HAL	LH Segment (3 req.)	122.0 lbs	426-838-3210 (3 req.)		17.19"	11.00"	3.63"	2.75"	13.00"	3
M600HAR	RH Segment (3 req.)	122.0 lbs	426-838-3230 (3 req.)							

Komatsu® Cover Plates

Part Number	Description	Weight	Used With	Model	Width	Legnth	Thickness	Holes
WA500-3TP	CTR Cover Plate (6 req.)	28.0 lbs	WA500-3HA WA500-3HAL WA500-3HAR	WA500-1 S/N 20001+ WA500-3 & 6	18.38"	7.00"	1.00"	2
WA500-3TPL	LH Cover Plate (1 req.)	22.0 lbs			12.13"	8.69"	1.00"	3
WA500-3TPR	RH Cover Plate (1 req.)	22.0 lbs						
425-838-A110F	Segment Cover Plate	20.0 lbs	425-838-A110H	WA500	11.19"	8.66"	1.00"	2
M600TPC	CTR Cover Plate	32.0 lbs	M600HAC M600HAL M600HAR	WA600	13.00"	9.13"	1.00"	3
M600TPL	LH Cover Plate	32.4 lbs						
M600TPR	RH Cover Plate	32.4 lbs						

Volvo® Blades & Segments

Part Number	Description	Weight	Replaces	Model	A	B	C	D	E	Holes
L220HA	CTR Blade (3 req.)	208.0 lbs	1111-1776 (1req.) 1111-1775 (2 req.)	L150 - LM L180 - GP, LM L220 - GP	12.75"	8.00"	3.13"	1.88"	34.95"	5
L220HAL	End LH (1 req.)	110.0 lbs			16.69"	12.00"	3.13"	1.88"	14.44"	3
L220HAR	End RH (1 req.)	110.0 lbs			16.69"	12.00"	3.13"	1.88"	14.44"	3
L180HA	CTR Blade (3 req.)	145.0 lbs	1108-2666 (1 req.) 1108-2664 (2 req.)	L150 - GP, LM L180 - GP, LM L220 - LM	11.25"	6.50"	3.00"	1.50"	32.74"	4
L180HAL	End LH (1 req.)	77.0 lbs			15.19"	10.44"	3.00"	1.50"	13.63"	3
L180HAR	End RH (1 req.)	77.0 lbs			15.19"	10.44"	3.00"	1.50"	13.63"	3
L150HAC	CTR Blade (1 req.)	102.0 lbs	1108-1068 (1 req.) 1108-1069 (2 req.)	L150 - GP, LM, HT L180 - GP, LM, HT	10.50"	6.50"	3.00"	1.50"	24.75"	3
L150HA	Intermediate Ctr. (2 req.)	147.0 lbs			10.50"	6.50"	3.00"	1.50"	35.75"	6
L150HAE	End RH or LH (2 req.)	80.0 lbs			14.44"	10.44"	3.00"	1.50"	14.75"	4
1108-2617	Segment Half Arrow	99.0 lbs	1108-2443 or 1111-1134	L330C	16.50"	10.25"	4.49"	2.00"	13.38"	3
1111-1761HA	Segment Half Arrow	63.0 lbs	1111-1761	L220, 180, 150	13.75"	7.25"	2.88"	1.75"	13.00"	3

Volvo® Cover Plates

Part Number	Description	Weight	Replaces	Model	Width	Legnth	Thickness	Holes
L180HATP	CTR Cover Plate (6 req.)	26.0 lbs	L180HA	L150 - GP, LM L180 - GP, LM L220 - LM	7.35"	16.25"	1.00"	2
L180HATPR	RH Cover Plate	23.0 lbs	L180HAL		11.48"	9.50"	1.00"	3
L180HATPL	LH Cover Plate	23.0 lbs	L180HAR		11.48"	9.50"	1.00"	3

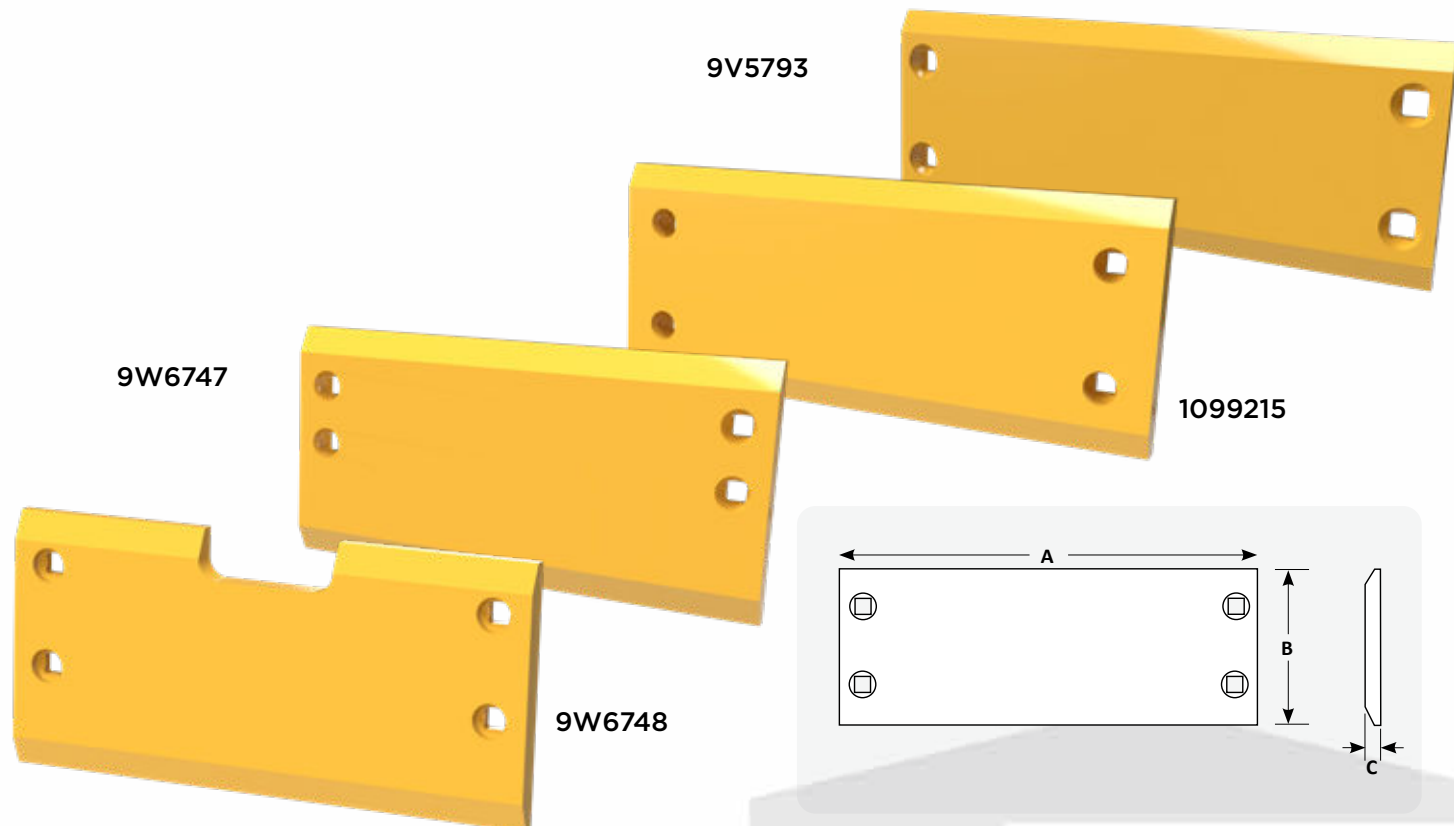
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Heel Plates

for Applications on Caterpillar® Equipment



Bolt On Wear Plates

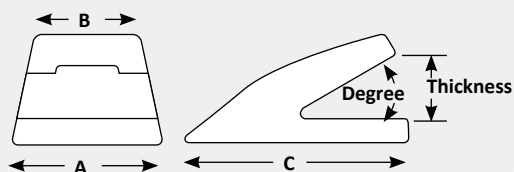
Part #	Model	Weight	A	B	C	Bolt Size
9W6747	944, 950, 960, 962	42.2 lbs	20.75"	10.00"	1.00"	0.75"
9W6748	963	52.8 lbs	21.13"	10.00"	1.00"	0.75"
2482419	966, 972	63.0 lbs	17.32"	10.00"	1.38"	0.75"
3150095	966, 972	48.7 lbs	18.70"	10.00"	1.00"	0.75"
9W6749	966, 970, 973	81.4 lbs	22.25"	10.00"	1.38"	0.75"
1618573	966, 972	80.0 lbs	22.25"	10.00"	1.38"	0.75"
1619131	966	78.9 lbs	22.50"	10.00"	1.38"	0.75"
9W6750	973, 980	69.8 lbs	23.50"	10.00"	1.38"	0.75"
7V0910	973, 980	105.0 lbs	23.63"	11.50"	1.63"	0.75"
1099215	980	72.0 lbs	24.50"	10.00"	1.38"	0.75"
1130349	980,982	47.9 lbs	24.64"	10.00"	0.75"	0.75"
9V5793	988	55.1 lbs	26.75"	10.00"	1.00"	1.00"
6Y3609	988	75.8 lbs	26.75"	10.00"	1.38"	1.00"
3724704	988	88.3 lbs	26.75"	10.00"	1.38"	1.00"
6Y3573	990	148.9 lbs	32.00"	13.00"	1.38"	1.00"
6W0276	992	174.2 lbs	38.63"	13.00"	1.25"	1.00"
6Y3610	992	223.9 lbs	38.63"	13.00"	1.75"	1.00"
1004015	994	560.3 lbs	47.00"	14.75"	3.00"	1.25"



Lip, Heel and Corner Protection

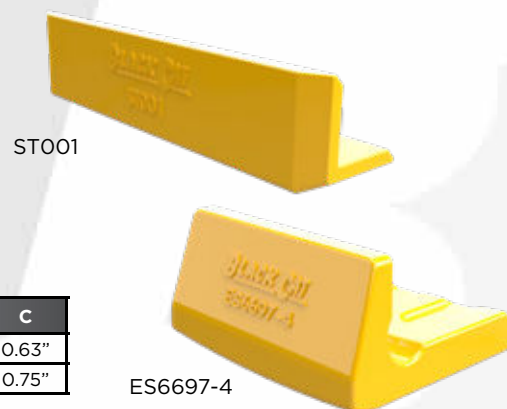
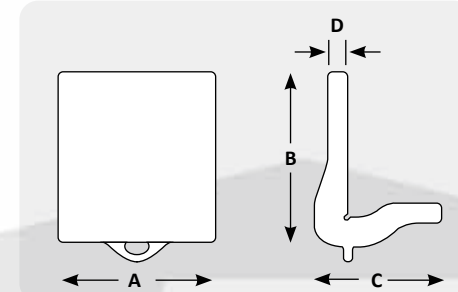
Weld On Lip Shrouds

Part #	Weight	Lip Thickness	Degree	A	B	C
4ML50UC	14.6 lbs	1.25-2.00	30°	5.59"	5.15"	8.12"
10WS	19.6 lbs	1.50"	30°	10.00"	7.00"	7.38"
13WS	40.7 lbs	1.75"	23°	13.00"	10.00"	10.25"
WS25	4.0 lbs	1.75"	22°	2.50"	2.50"	4.88"
WS45	14.2 lbs	1.75-2.00"	30°	4.50"	4.50"	7.17"
WLS2003024	122.1 lbs	2.00"	30°	24.00"	24.00"	9.18"
WLS2503024	171.1 lbs	2.50"	30°	24.00"	24.00"	11.33"
WS80	33.4 lbs	2.50"-3.00"	30°	8.00"	7.00"	8.57"
4ML70UC	45.3 lbs	2.50"-3.00"	30°	9.47"	8.93"	9.49"
WLS3003024	202.6 lbs	3.00"	30°	24.00"	24.00"	12.72"
4599824BC	19.1 lbs	3.15"	22°	2.28"	2.28"	12.17"
WLS3503024	271.6 lbs	3.50"	30°	24.00"	24.00"	14.74"
WLS4003024	417.1 lbs	4.00"	30°	24.00"	24.00"	17.46"
STR120UC	85.2 lbs	4.00"-4.75"	30°	12.16"	10.40"	9.23"
STR120LD	83.3 lbs	4.00"-4.75"	30°	11.90"	9.50"	9.14"
STR120RD	83.9 lbs	4.00"-4.75"	30°	11.90"	9.50"	9.14"



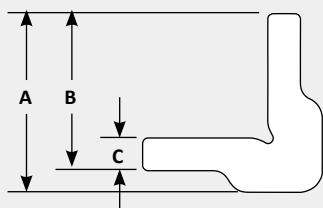
Weld On Heel Shrouds

Part #	Description	Weight	A	B	C	D
CG03	Straight	5.4 lbs	3.00"	4.12"	3.62"	0.75"
2804079	Curved	9.3 lbs	4.70"	5.90"	4.30"	0.79"
2804078	Straight	10.8 lbs	4.70"	5.90"	4.30"	0.79"
ES6697-4	Curved	22.4 lbs	7.49"	7.00"	4.00"	1.24"
1386551	Curved	26.9 lbs	6.88"	8.13"	5.88"	1.00"
ST002	Curved	29.2 lbs	11.75"	4.00"	4.00"	1.00"
1386529	Straight	29.6 lbs	6.88"	8.13"	5.88"	1.00"
ES6697-3	Curved	29.9 lbs	7.49"	7.00"	4.00"	1.24"
ST001	Straight	33.3 lbs	18.00"	4.00"	4.00"	1.00"
ES6697-2	Curved	45.3 lbs	7.50"	10.00"	6.00"	2.00"
1571027	Curved	59.3 lbs	9.81"	10.63"	7.88"	1.19"
1571019	Straight	65.1 lbs	9.81"	10.63"	7.88"	1.19"
ES6697-5	Curved	87.5 lbs	9.99"	12.00"	8.00"	2.00"
ES6697-7	Curved	189.5 lbs	9.84"	13.70"	9.88"	3.94"



Corner Protectors

Part #	Description	Weight	Length	A	B	C
CG24-5	Round Edge	31.5 lbs	24.00"	3.88"	3.50"	0.63"
CG36-6	Square Edge	67.8 lbs	36.00"	4.13"	3.63"	0.75"





Skid Steer Parts

Base Edges

- 5/8" or 3/4" Thickness
- 6"- 8" Widths

Bolt On Edges

- 5/8", 3/4" or 1" Thick
- 6"- 8" Widths
- Straight or Serrated

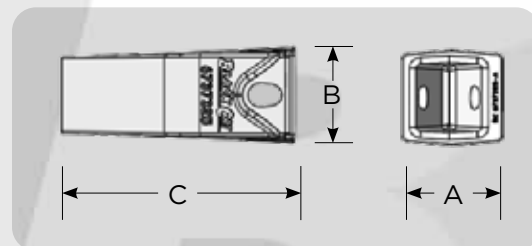
Hardware

- Plow Bolts
- Flat Head Socket Cap Screws
- Pins



Teeth & Adapters

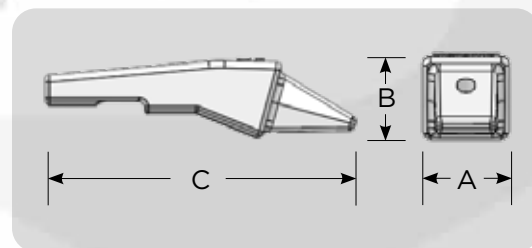
Part Number	Description	Weight	A	B	C
6737325	Tooth	2.2 lbs	2.36"	2.26"	5.47"
6737324	Adapter	5.1 lbs	2.19"	2.13"	8.57"
132 4720	Bolt On Unitooth	4.0 lbs			



6737325

6737324

132 4720





DOZER



Dozer Edges & Accessories

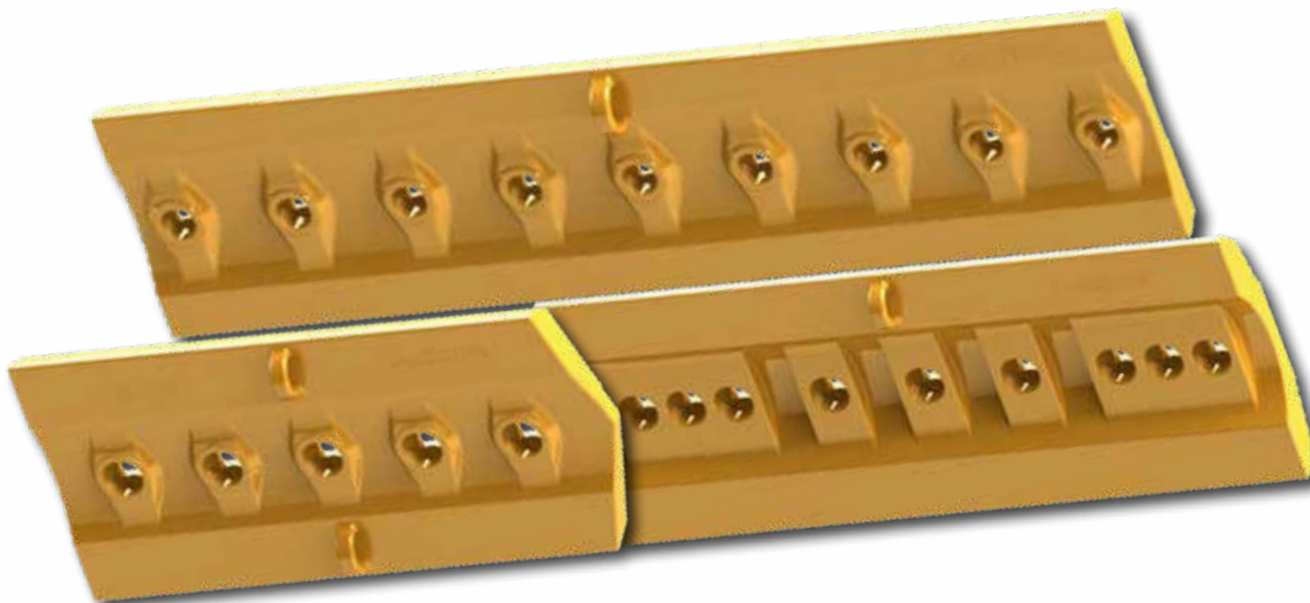
- OEM Replacement
- Custom Design
- Bolt-on Edges
- End Bits - Hot Cupped, Cast & Level Cut
- Ripper Shanks, Teeth & Guards
- Grouser Lugs
- Carbide Overlay



BLACK CAT
WEAR PARTS

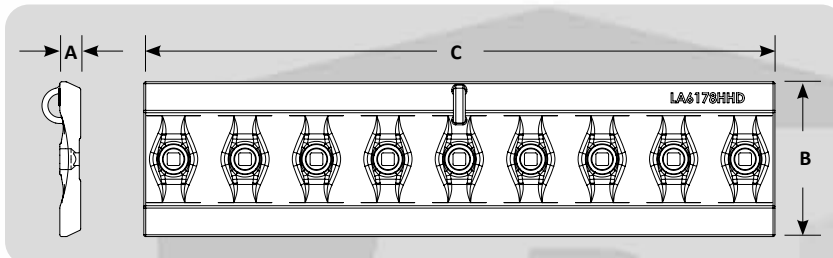


CAST DOZER BLADES



**Rich Chemistry Improves
Through Hardness & Wearability**

**Wear Material added to High
Wear areas for Max Performance**



Part Number	Replaces	Model	Shape	Weight	A	B	C	Holes	Hole Size
LA6178HHD	4T6381	D8		277 lbs	1.75"	13.00"	53.00"	9	1.00"
LA6201HHD	6Y5540	D8, D9	>	157 lbs			31.50"	5	1.00"
LA6222HHD	4T6378	D8		185 lbs			35.43"	6	1.00"
LA6223HHD	9W5232	D8	>	162 lbs			32.44"	5	1.00"
LA6225HHD	6Y5539 * Half Of	D9		183 lbs			35.05"	6	1.00"
LA6226HHD	9W6658	D10		257 lbs	2.00"	16.00"	33.25"	5	1.25"
LA6227HHD	9W6657	D10	>	252 lbs			33.81"	5	1.25"
LA6248HHD	9W6656	D10		301 lbs			39.00"	6	1.25"
LA6257HHD	9W4495	D11		416 lbs	3.13"	17.00"	43.25"	9	1.25"
LA6258HHD	9W4493	D11		389 lbs			40.25"	9	1.25"
LA6259HHD	9W4494	D11	>	376 lbs			40.00"	9	1.25"
LA6Y0022HHD	6Y0022	D10, D11	>	273 lbs			30.87"	7	1.25"
LA6Y0023HHD	6Y0023	D10, D11		384 lbs			41.87"	9	1.25"

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BLACK CAT
WEAR PARTS



END BITS

for Applications on Caterpillar® Equipment



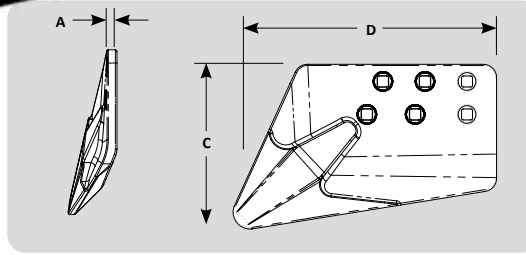
- HighSpec Alloy X14 Steel
- Impact rib built into the high wear area
- More wear material in the critical areas
- Machined surfaces enable superior fit
- Maximum depth countersinking protects the bolt head

Efficient processes and “state of the art” foundry practices allow for competitive pricing of quality parts. In house metallurgical staff and testing facilities ensure quality and consistency in all of our finished products. The results are Quality Wear Parts that offer excellent value to the customer every time.

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Part Number	Side	Type	Hot Cupped Equivalent	Weight	A	B	C	D	Holes	Bolt	Dozer Model - Serial Numbers
4T5407	RH	EWL	140 6787	54 lbs	1.0"	1.85"	10.0"	21.0"	4	0.75"	D4H - All Models and Serial Numbers
4T5408	LH	EWL	140 6788	54 lbs	1.0"	1.85"	10.0"	21.0"	4	0.75"	D5H/M/N - All Models and Serial Numbers
											D6M/N - All Models and Serial Numbers
											D6R PLGP - G6M, 4TP, 4WP
											D5B A - 93H3847-UP
4J8261	RH	GD	3G8297	25 lbs	.75"	1.67"	9.0"	15.0"	6	0.75"	D5E A - 6RH
4J8262	LH	GD	3G8298	25 lbs	.75"	1.67"	9.0"	15.0"	6	0.75"	D6D/E/G A - 54U, 44E, 47G, 58G, 18H
											D6D S - 21H, 41H
5J1419	RH	GD	3G8319	32 lbs	.87"	1.9"	9.5"	15.0"	6	0.75"	D6D/E/G S - 95E, 17H, 46G, 55G, 63S
5J1420	LH	GD	3G8320	32 lbs	.87"	1.9"	9.5"	15.0"	6	0.75"	D6H A - 1BH0570-UP
6Y4411	RH	GD	6Y4411HC	56 lbs	.75"	2.45"	12.5"	20.0"	6	0.75"	D6R A - 1XP, 3GP, 1ZP, 1YP, 3PP, 4BP, 8TP
6Y4410	LH	GD	6Y4410HC	56 lbs	.75"	2.45"	12.5"	20.0"	6	0.75"	D6R S - 1DH600-UP, 3EP, CLH, 1RP, 3EP, BHN
9W1875	RH	EWL	9W1875HC	58 lbs	1.0"	2.0"	11.9"	18.5"	6	0.75"	D6H SU - 1CH, 2NH, 4PH, 8AH, 8BH
9W1876	LH	EWL	9W1876HC	58 lbs	1.0"	2.0"	11.9"	18.5"	6	0.75"	D6R SU - 1TP, 3FP, 1WP, 3RP, 4AP, 8SP, BHM
											D7G A - 13F, 22F, 30F, 72F, 13H
											D7H/R A - 4EB, 3CC, 4ZC
											D7 S - 23F, 31F, 59F, 14H
											D7G S - 53J, 49K, 60K, 64K, S7G
											D7H/R S - 6KB, 8ZB, 4XC, 8NH, J8L, CDC
4J8843	RH	GD	3G8315	60 lbs	1.12"	2.28"	12.0"	19.0"	7	0.875"	D7H/R SLGP - 6JB, 3GH, 4FG, 4XH, 5GH, 2RP, 8RH, 5SP, 9KP, J4L, CDN
4J8844	LH	GD	3G8316	60 lbs	1.12"	2.28"	12.0"	19.0"	7	0.875"	D7H/R SU - 4DB, 2FC, 2JH, 1JP, 8LH, CDT, J6L, BHT
4J8843HD	RH			83 lbs	1.12"	3.53"	12.4"	21.2"	7	0.875"	D7 U - 42G
4J8844HD	LH			83 lbs	1.12"	3.53"	12.4"	21.2"	7	0.875"	D7G U - 85D, 61K, 94R
											D7 H/R U - 5SB, 9JB, 7AC, 8MH, J1L, CDL
											D8 CUSHION - 71F, 77G
											D8H A - UP TO 28E1-1125
											D8H U - 20F, 29J, 30E, 45K, 48K, 73E
8E4193	RH	GD	8E4193HC	112 lbs	1.31"	2.94"	15.4"	23.5"	7	1"	D8N/R/T A
8E4194	LH	GD	8E4194HC	112 lbs	1.31"	2.94"	15.4"	23.5"	7	1"	1HH, 2XP, 4ZP, 6NH, 9AH, 9ZP, BHR, DZD
8E4537	RH	EWL	8E4537HC	122 lbs	1.37"	3.1"	15.4"	23.5"	7	1"	D8N/R/T SU
8E4538	LH	EWL	8E4538HC	122 lbs	1.37"	3.1"	15.4"	23.5"	7	1"	05A, 1HP, 1KH, 2NP, 2PP, 2TP, 3MP, 3WH, 6LH, 9BH, 9PH, 9TP, B8S, BHW, DZA, KMB, LAA
											D8N/R/T U - 1JH, 2WP, 6AH, 9CH, 9WP, CXB
											D8K A - 28E11126-UP, 93E, 14F, 77C
9J1477	RH	GD	3G8317	61 lbs	1.12"	2.3"	12.0"	19.0"	7	1"	D8L A - 05Y, 41Z, 27B
9J1478	LH	GD	3G8318	61 lbs	1.12"	2.3"	12.0"	19.0"	7	1"	D8L SU - 04Y1-1939
											D8K U - 05Y, 41Z, 27B
											D8L U - 6Y1-1395
											D8L SU - 04Y1940-UP
8E4197	RH	GD	8E4197HC	115 lbs	1.5"	2.93"	15.4"	23.5"	7	1"	D8L U - 6Y1396-UP, 42Z, 82M
8E4196	LH	GD	8E4196HC	115 lbs	1.5"	2.93"	15.4"	23.5"	7	1"	D9N/R/T SU
8E4539	RH	EWL	8E4539HC	167 lbs	1.75"	3.86"	15.5"	24.1"	7	1"	1LP, 1MH, 2BP, 2LP, 2ZP, 5BH, 7NH, 9LH, 9RP, CLC, CLN, CLY, CMA, CMN, T9J
8E4540	LH	EWL	8E4540HC	167 lbs	1.75"	3.86"	15.5"	24.1"	7	1"	D9G/H/N/R/T U
											1LH, 1MP, 2ZH, 7PH, 9MP, CMS, CMW, CMZ, T9H
											D9L SU - 18Y, 42S, 52Y
8E4199	RH	GD	8E4199HC	200 lbs	1.56"	3.78"	20.0"	29.0"	7	1.25"	D9L U - 19Y, 78S
8E4198	LH	GD	8E4198HC	200 lbs	1.56"	3.78"	20.0"	29.0"	7	1.25"	D10N/R/T SU - 1RH, 4KP, 6EP, 7RH, BHA, BHJ
8E4541	RH	EWL	8E4541HC	lbs	2.2"	4.8"	18.4"	28.4"	7	1.25"	
8E4542	LH	EWL	8E4542HC	276 lbs	2.2"	4.8"	18.4"	28.4"	7	1.25"	
275 5941	RH	EEWL	N/A	276 lbs	1.9"	4.6"	18.9"	28.0"	7	1.25"	D10N/R/T U
275 5942	LH	EEWL	N/A	318 lbs	1.9"	4.6"	18.9"	28.0"	7	1.25"	1SH, 4LP, 6FP, 7WH, BHF, BHP
8E4543	RH	GD	8E4543HC	357 lbs	2.0"	5.4"	20.0"	32.0"	9	1.25"	D10 SU - 79W
8E4544	LH	GD	8E4544HC	357 lbs	2.0"	5.4"	20.0"	32.0"	9	1.25"	D10 U - 80W
8E4545	RH	EWL	8E4545HC	369 lbs	2.4"	5.6"	20.0"	32.0"	9	1.25"	D11N/R SU - 1AP, 4BB, 4KB, 4XB, 8PP, 9NH
8E4546	LH	EWL	8E4546HC	369 lbs	2.4"	5.6"	20.0"	32.0"	9	1.25"	D11N/R U
275 5445	RH	EEWL	N/A	479 lbs	2.4"	5.6"	20.7"	32.0"	9	1.25"	4CB, 4YP, 5TB, 8RP, 9MH, 9ZH
275 5446	LH	EEWL	N/A	479 lbs	2.4"	5.6"	20.7"	32.0"	9	1.25"	

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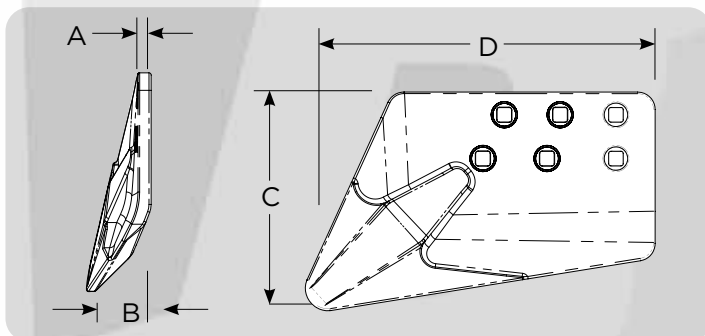
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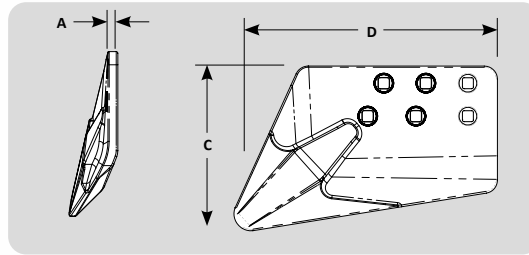
END BITS

for Applications on Dresser® & Komatsu Equipment®



Dresser® End Bits

Part Number	Side	Type	Hot Cupped Equivalent	Weight	A	B	C	D	Holes	Bolt	Dozer Model	BladeType
1244730H1C	RH	GD	1244730H1HC	37	0.75"	1.75"	10"	17.79"	6	0.75"	TD15E, TD15M	Semi U
1244729H1C	LH	GD	1244729H1HC									
646335C1C	RH	GD	646335C1H C	38	0.75"	1.75"	10"	18.01"	6	0.75"	TD12, TD12C TD15, TD15B, TD15C	Semi U
646334C1C	LH	GD	646334C1HC									
646329C1C	RH	GD	646329C1HC	72	1.00"	2.16"	12"	22.97"	8	1.00"	TD25B, TD25C TD25E, TD25G	Semi U
646328C1C	LH	GD	646328C1HC									



Komatsu® End Bits

Part Number	Side	Type	Weight	A	B	C	D	Holes	Bolt	Dozer Model	BladeType	Serial #
14Y 711 1340 14Y 71 11330 144 70 11190 144 70 11180	RH LH RH LH	LC LC GD GD	22 22 32 32	0.79" 0.79" 1.00" 1.00"	1.26" 1.26" 2.00" 2.00"	8.7" 8.7" 10.1" 10.1"	12.7" 12.7" 12.8" 12.8"	5 5 5 5	0.75" 0.75" 0.75" 0.75"	D50A-16,17 D50P-16,17 D53A-16,17 D53P-16,17	All Blades	65001-UP
										D58E-1 D58P-1	All Blades	80588-UP
										D60A-6,7 D60E-7 D60P-7	A/S/S Tilt/SU	2006-UP
										D60A-8 D60E-8	A/S/S Tilt/SU	45001-UP
										D61EX-12 D61PX-12,15	S Tilt/PA Tilt	1001-UP
										D63E-1	All Blades	1001-UP
										D65A-6,7 D65E-7	A/S/S Tilt	2006-UP
										D65A-8 D65E-8	A/S/S Tilt/SU	45001-UP
										D65E-12 D65EX-12	A/S	60001-UP
										D65EX-15	S	67001-UP
										D65P-7,8	A/S/S Tilt	40001-UP
										D65P-12 D65PX-12 D65PX-15	A/S/S Tilt	60001-UP
150 70 21346 150 70 21356	RH LH	GD GD	60 60	1.12" 1.12"	2.88" 2.88"	11.7" 11.7"	17.9" 17.9"	6 6	0.75" 0.75"	D60A-6,7 D60E-7 D65A-6,7 D65E-7	M A Tilt	2006-UP
										D60A-8 D60E-8 D65A-8 D65E-8	M A Tilt	45001-UP
										D65E-12 D65EX-12	SU	60001-60941
										D80A,E,P-18 D85EX-15 D85P-18,21	All Blades	2001-UP
										D85A-12,18,21 D85E-18,21	All Blades	25001-UP
										D85PX-15	All Blades	1001-UP
175 70 21136 175 70 21126	RH LH	GD GD	85 85	1.63" 1.63"	3.18" 3.18"	12.2" 12.2"	19.0" 19.0"	7 7	0.875" 0.875"	D135A-1	A/U	1001-UP
										D150A-1	A	5508-UP
										D155A-1	M A Tilt	6843-UP
											U	8329-UP
										D155A-2	A/U	50001-UP
										D155AX-3	A	60001-UP
175 71 22282 175 71 22272	RH LH	GD GD	90 90	1.63" 1.63"	3.15" 3.15"	12.2" 12.2"	21.1" 21.1"	7 7	0.875" 0.875"	D155AX-5	A	70001-UP
										D61EX-12	SU	1001-UP
										D61EX-15	SU	B40001-UP
										D65E-12 D65EX-12	SU	60942-UP
										D65EX-15	SU	67001-UP
										D135A-1,2	SU	10001-UP
										D150A-1 D155A-1	S Tilt	10263-UP
										D155A-2	SU/S Tilt	50001-UP
										D155AX-6	SU/U	80001-UP
										D155AX-3	SU/U	60001-UP
17M 71 21940 17M 71 21930	RH LH	GD GD	169 169	1.63" 1.63"	3.90" 3.90"	16.3" 16.3"	26.0" 26.0"	7 7	1.00" 1.00"	D155AX-5	SU/U	70001-UP
										D275A-2	SU/U	10001-UP
										D275AX-5	SU/U	20001-UP
195 71 11183 195 71 11173	RH LH	GD GD	164 164	1.75" 1.75"	3.72" 3.72"	15.5" 15.5"	26.0" 26.0"	7 7	1.00" 1.00"	D355A-3	S/S Tilt	1632-UP
											A/U	1632-UP
195 71 51640 195 71 51630	RH LH	GD GD	166 166	1.87" 1.87"	4.04" 4.04"	15.5" 15.5"	24.3" 24.3"	7 7	1.00" 1.00"	D355A-5	S/S Tilt	12622-UP
										D375A-1	A	15001-UP
											SU/U	15001-15217
										D455A-1	Cushion	1301-UP
195 71 61940 195 71 61930	RH LH	GD GD	245 245	2.13" 2.13"	3.99" 3.99"	18.9" 18.9"	29.1" 29.1"	8 8	1.25" 1.25"	D375A-1	SU/U	15414-UP
										D375A-2	SU/U	16001-UP
										D375A-3	SU/U	17001-UP
										D375A-5	SU/U	18001-UP
										D455A-5	SU/U	1002-UP
										D455A-1	Cushion	1002-1300
198 71 31530 198 71 31520	RH LH	GD GD	333 333	2.39" 2.39"	5.48" 5.48"	20.3" 20.3"	28.6" 28.6"	8 8	1.375" 1.375"	D475A-1	SU/U	10001-UP
										D475A-2	SU/U	10201-UP
										D475A-3	SU/U/Super	10601-UP

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410.0621



EXCAVATOR



Excavator Edges & Accessories

- OEM Replacement
- Custom Design
- Teeth & Adapters
- Bolt-On Edges
- Slopper Blades
- Base Edges
- Side Bars Protectors and Side Cutters
- Chocky Bars and Mechanical Wear Capas, Wear Bars



BLACK CAT
WEAR PARTS



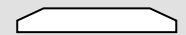
Excavator Blades & Edges



Thickness Options

- **Weld on base edges**
up to 5-1/2" or 140mm
- **Bolt on edges**
up to 3" or 75mm

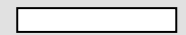
Profile Options



Double Bevel



Single Bevel

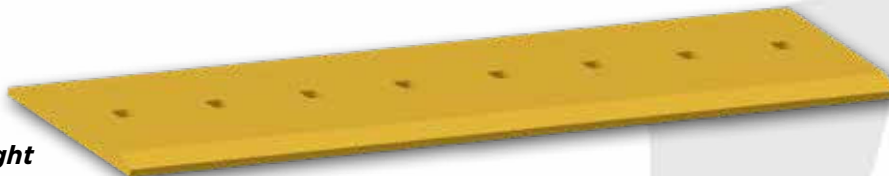


Square Edge



Half Arrow

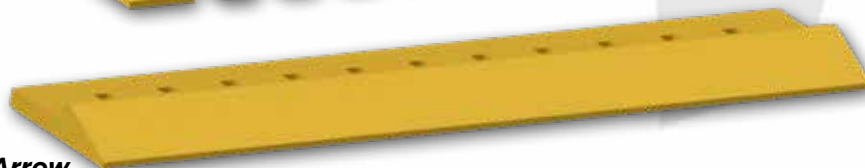
Straight



Serrated



Half Arrow



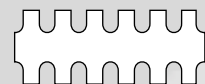
Serration Options



Solid Both Ends



Solid One End



Half Gap Both Ends

Industry standard bevels are available or customized bevels and noses to match any adapters.

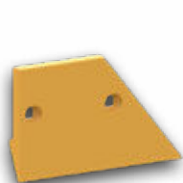
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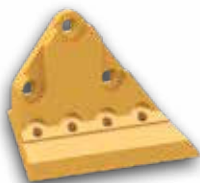
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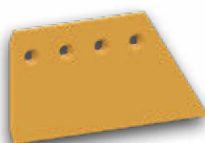
Side Cutters & Strike Offs



9J1857



9J1855



4T2963



096 4748



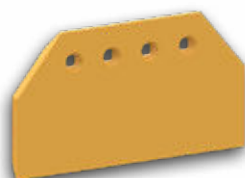
174 8044



232 2140



8J9615



4T2886



7Y0357

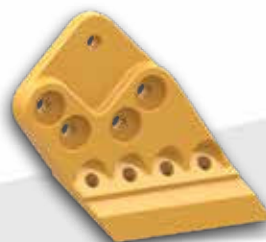


232 2147

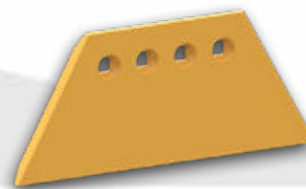


8J5188

Part Number	Description	Weight	Model
9J1857/58	Half Arrow Strike Off RH/LH	19 lbs	215, 219, E180, E200 EL200
9J1855/56	Blade / Combination Side Cutter RH/LH	25 lbs	
4T2963/64	Blade Extension RH/LH	16 lbs	
0964747/48	One Piece Side Cutter RH/LH	31 lbs	315 GP&B Buckets, M318, M320 B Buckets
2322140/1748044	Half Arrow Strike Off RH/LH	53 lbs	245 B&C Buckets, 235 E300, 231, 225, 229 E240, 318
8J9614/15	Blade / Combination Side Cutter RH/LH	50 lbs	
4T2886	Blade Extension RH/LH	32 lbs	
7Y0357/58	One Piece Side Cutter RH/LH	40 lbs	
2322147/48	Heavy Duty One Piece RH/LH	52 lbs	
8J5188	Half Arrow Strike Off RH/LH	53 lbs	245, 318, E, F, G, H & J Buckets
8J9825/26	Blade / Combination Side Cutter RH/LH	69 lbs	
4T6664	Blade Extension RH/LH	45 lbs	
2568690/91	Heavy Duty One Piece RH/LH	94 lbs	345/365 F,G,V,W Buckets
2057074180/90	One Piece Side Cutter RH/LH	32 lbs	PC100-200
2077034160/70	One Piece Side Cutter RH/LH	42 lbs	PC300-350
2087034160/70	One Piece Side Cutter RH/LH	59 lbs	PC400-450
4217022990/80	One Piece Side Cutter RH/LH	31 lbs	WA380-480
CE17748R3/L3	One Piece Side Cutter RH/LH	43 lbs	Esco® Style
PDE34687	One Piece Side Cutter RH/LH	17 lbs	
PDE31329	Heavy Duty One Piece RH/LH	37 lbs	
T1156A/57A	Side Cutter RH/LH	60 lbs	Hensley® Style
B330/B331	One Piece Side Cutter RH/LH	55 lbs	
D54698	Side Cutter	4.6 lbs	Bobcat Style
4M870UL	Side Cutter	8.7 lbs	MTG Style



8J9825



4T6664



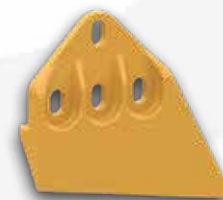
207 70 34160



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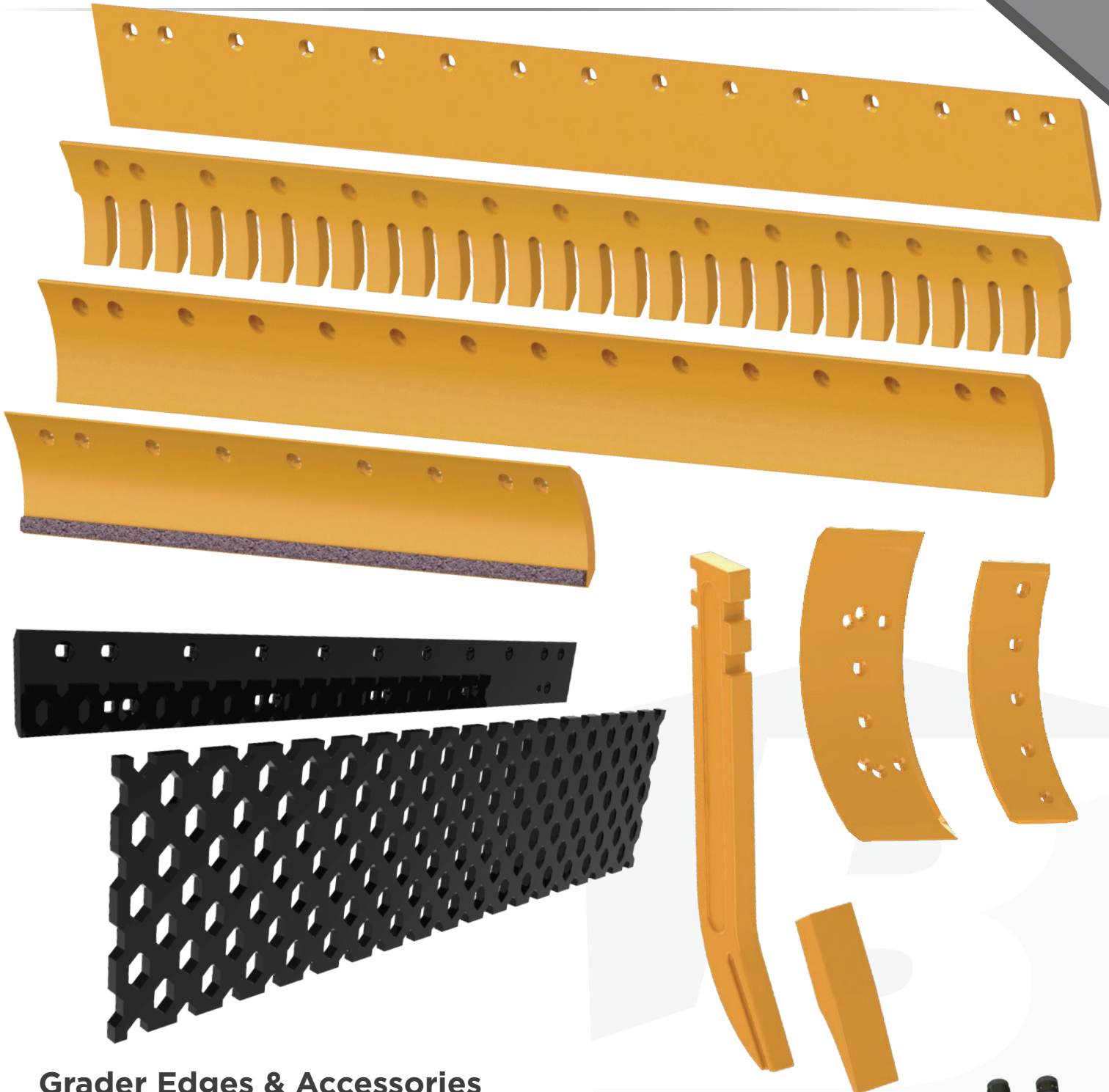
PDE 34687



B330



GRADER



Grader Edges & Accessories

- OEM Replacement
- Custom Design
- Double Bevel Curved, Flat, Serrated
- Carbon, Heat-treat and Carbide inserted options
- Rotating Bits & Boards
- Scarifier Shanks & Teeth
- Overlays & End Bits
- Carbide Overlay





Grader Blades

Profiles

- Double Bevel Curved or Double Bevel Flat
- Curved 6", 8", 10", 13" & 16" wide
- Flat 8", 10", 13" & 16" wide
- 1/2" to 3" Thickness

Steel Types

- High Carbon
- BCB500 - Through Hardened

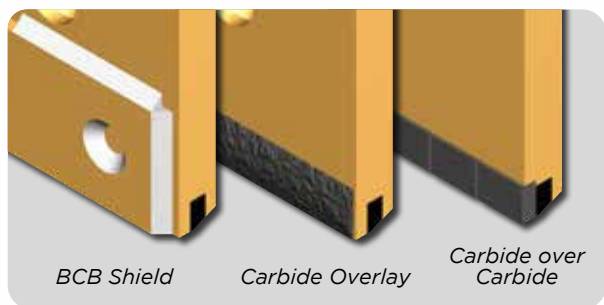
Edge Options

- Custom & Standard Serration
- Carbide Inserts - Inserted on the Edge
- Carbide Overlay - Applied to face & or Bevel



Accessories

- Overlays & End Bits



BCB Shield

Carbide Overlay

Carbide over Carbide

Carbide Inserts

- 25° Trapezoid
- Bullnose
- Tall Bullnose

Carbide Overlay

- BCB Shield
- Overlay
- Carbide over Carbide



BLACK CAT
WEAR PARTS

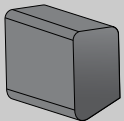


Curved Carbide Grader Blades

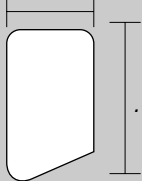
*Single Beveled Curved
Carbide Impregnated*



T = 25° Trapezoid

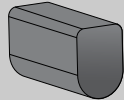


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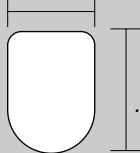


.632

B = Bullnose

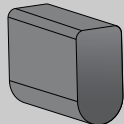


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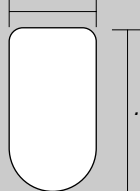


.567

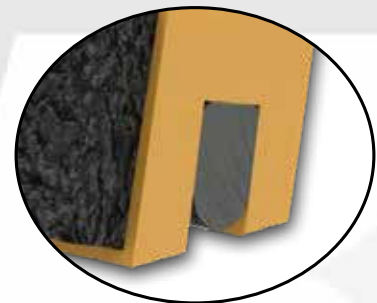
D = Tall Bullnose



.36



.760



*Several carbide insert options are
available to suit the many different
applications and requirements.*

Black Cat Curved Carbide Grader Blades are a superior choice for any low impact, high abrasion application. The Inserted Carbide teamed with abrasive resistant impregnation (Carbide Inserted/Carbide Impregnated) significantly extends the life of the parent material when used in applications where "face" wear is a problem. The curved shape of the blades results in better material flow when used on Graders and Underbody plows. Tungsten Carbide inserts result in a blade with extremely long wear life allowing for fewer blade changes and an excellent resistance to "crowning" for applications that require a level grading operation.

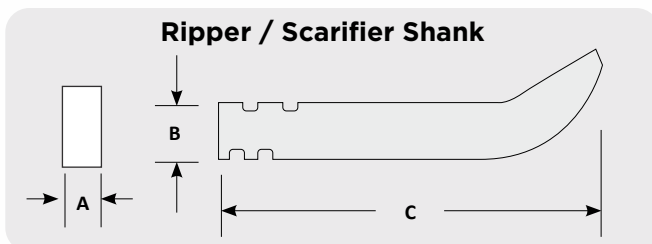
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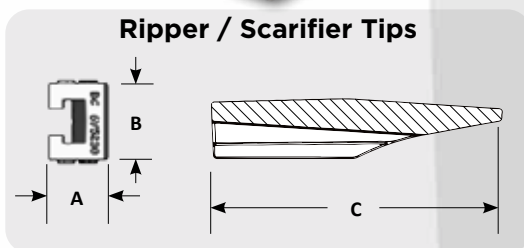
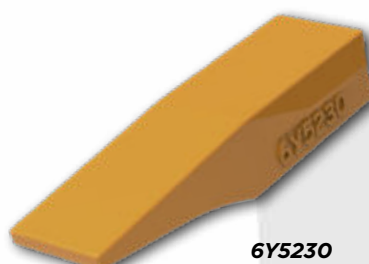


Grader Ripper Teeth, Shanks & Protectors



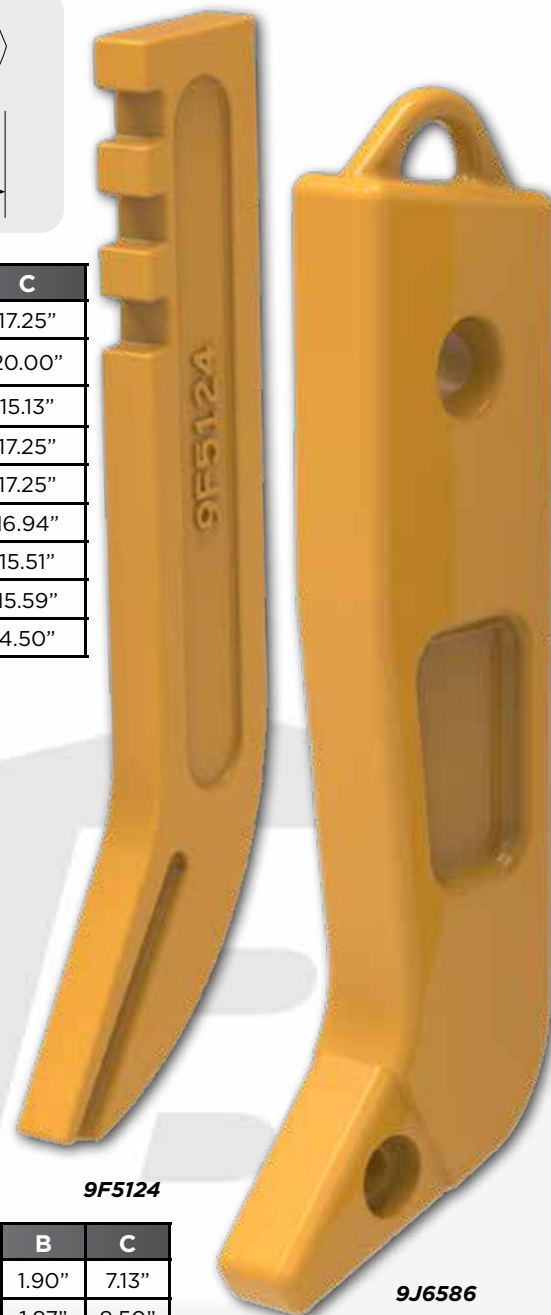
Scarifier Shanks

Part #	Model	Description	Weight	A	B	C
101	Universal	Scarifier Shank	12.6 lbs	1.00"	3.00"	17.25"
104	Universal	Scarifier Shank	14.5 lbs	1.00"	3.00"	20.00"
5B6251	Rear Notch	Scarifier Shank	9.5 lbs	1.00"	2.50"	15.13"
9F5124	Front Notch	Scarifier Shank	12.6 lbs	1.00"	3.00"	17.25"
9F5124BS	Rear Notch	Scarifier Shank	12.6 lbs	1.00"	3.00"	17.25"
8110	Front Notch	Scarifier Shank	13.9 lbs	0.94"	3.00"	16.94"
H920	Front Notch	Scarifier Shank	7.5 lbs	0.75"	2.50"	15.51"
H920-23	Front Notch	Scarifier Shank	7.5 lbs	0.72"	2.50"	15.59"
5K1459	Universal	Scarifier Pin	0.6 lbs	0.69"	1.00"	4.50"



Scarifier Tips

Part #	Model	Description	Weight	A	B	C
6Y5230	Replaces 2D5572	Scarifier	3.4 lbs	1.46"	1.90"	7.13"
6Y5230LP	Replaces 2D5572	Long Scarifier	3.8 lbs	1.90"	1.87"	8.50"
175	Fits H920	Scarifier	1.0 lbs	2.00"	1.31"	5.06"



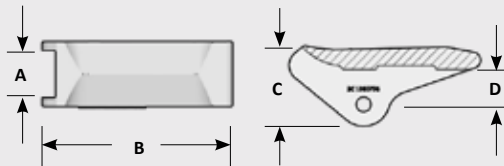
Black Cat Direct Replacement Ripper & Scarifier parts are manufactured using our HighSpec Alloy steel and heat treated to precise specifications. Computer design and analysis is employed in the development stages to ensure proper fitment and optimum strength for every part. Efficient processes and "state of the art" foundry practices allow for competitive pricing of quality parts. In house metallurgical staff and testing facilities ensure quality and consistency in all of our finished products. The results are quality wear parts that offer value to the customer every time.



Ripper Shanks

Part #	Model	Description	Weight	A	B	C
9J6586	Cat® 12, 14, 120, 130, 140, 143, 160, 163	R300 Nose	58.6 lbs	2.25"	5.38"	21.34"
T211749	JD® 670, 672, 770, 772, 870, 872	R300 Nose	79.1 lbs	2.25"	5.38"	24.39"
1380797 (9J3139)	Cat® 16, 24	R350 Nose	122.6 lbs	2.92"	6.87"	28.40"
9934	Volvo® & Champion®	Fits 9937 Teeth	64.8 lbs	1.77"	8.55"	23.51"

Ripper Shank Protector



138 0796

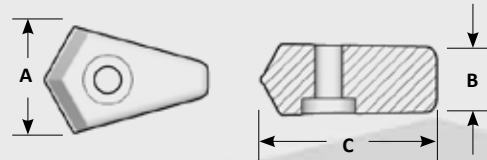
Ripper Shank Protectors for Caterpillar® Applications

Part Number	Model	Description	Weight	A	B	C	D
138 0796	Cat® 16, 24	R350 1 Pin Standard Protector	21.0 lbs	3.05"	12.75"	5.38"	2.31"

8E7350



Ripper Replacement Nose



Ripper Repair Parts

Part #	Model	Description	Weight	A	B	C	Holes
8E7300	Cat® 12, 14, 120, 130, 140, 143, 160, 163	R300 Nose	5.5 lbs	3.47"	2.01"	5.41"	1
8E7350	Cat® 16, 24	R350 Nose	12.0 lbs	4.42"	2.91"	6.72"	1
22RN	Esco®	22R Nose	12.9 lbs	5.79"	3.06"	6.72"	1



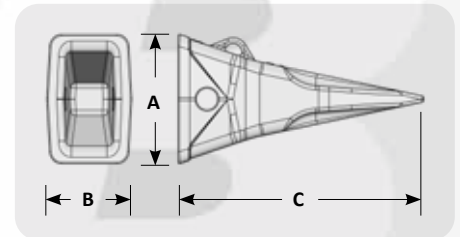
6Y0352



6Y0359



9937



Ripper Teeth

Part #	Model	Teeth	Weight	A	B	C
6Y0309	Cat® 12, 14, 120, 130, 140, 143, 160, 163 JD® 670, 672, 770, 772, 870, 872	R300 Penetration	12.3 lbs	4.21"	3.31"	11.47"
6Y0359	Cat® 16, 24	R350 Penetration	27.2 lbs	5.81"	4.73"	14.11"
6Y0352		R350 Centerline	27.9 lbs	5.82"	4.73"	13.98"
22R10	Esco® 22R	Non Centerline Rib	8.5 lbs	3.64"	3.35"	10.66"
9937	Volvo® & Champion®	Ripper Tooth	7.3 lbs	3.66"	2.62"	8.98"

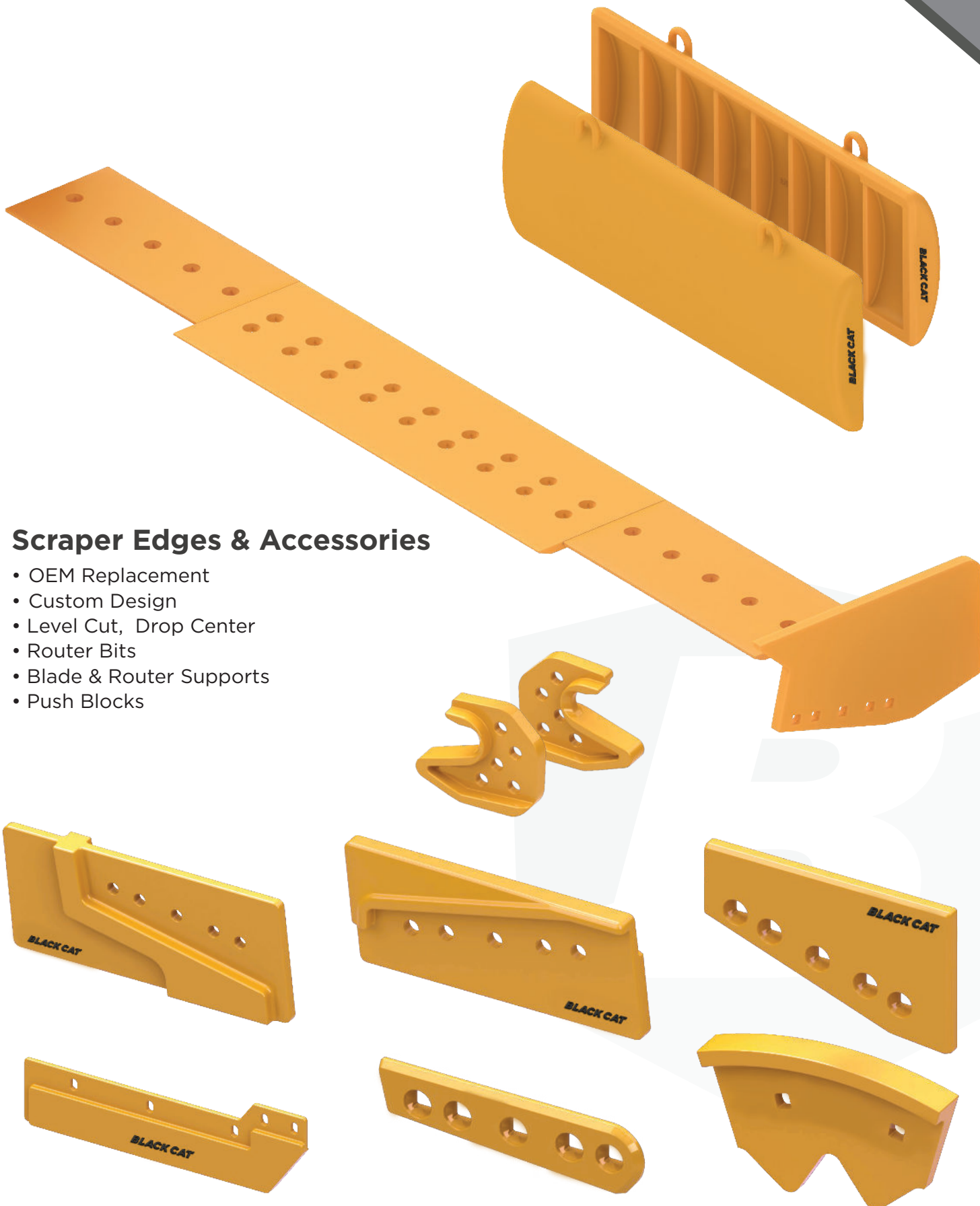
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SCRAPER



Scraper Edges & Accessories

- OEM Replacement
- Custom Design
- Level Cut, Drop Center
- Router Bits
- Blade & Router Supports
- Push Blocks



Scraper Accessories



4J8665



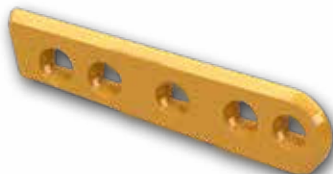
7J3023



2209150



2297147



2085185



8J7210/11



Push Blocks



Tow Hook

	Part Number	Description	Weight
Caterpillar®	4J8665	Router Bit	57.0 lbs
	4J8665W	Router Bit - Weldable	57.0 lbs
	7J3023	Router Bit - Heavy Duty	87.0 lbs
	7J3023W	Router Bit - Heavy Duty Weldable	87.0 lbs
	2209150	Router Bit - Level Cut	112.4 lbs
	1J3599	Router Bit	47.5 lbs
	4T4336	Router Bit	18.7 lbs
	8F7232	Router Bit	26.6 lbs
	9F1831	Router Bit	19.5 lbs
	9W4903	Router Bit	39.2 lbs
	2297147/48	Router Supports RH/LH	41.6 lbs
	2085185/86	Router Supports Bolt Hole Replacement RH/LH	12.3 lbs
	2085185REV	Router Support Bolt Hole Replacement Reversible	12.3 lbs
	8J7210/11	Scraper Floor Guides RH/LH	17.0 lbs
	651PB	Push Block	872.0 lbs
	631PB	Push Block	721.0 lbs
	TOWHOOK	Tow Hook	18.0 lbs
	9J1107	Integrated Adapter Edge	142.0 lbs
	9J1108	Integrated Adapter Edge	99.0 lbs
	9J2307	J300 Bolt On Scraper Adapter	27.4 lbs
	9J8455	J250 Bolt On Scraper Adapter	15.4 lbs
Reynolds®	1062894/95	Router Bits RH/LH	51.8 lbs
	3036628	Box Scraper Router Bit	32.8 lbs
Terex®	15002210/11	Router Bits RH/LH	78.6 lbs
	9186326	Router Bit Flat	33.0 lbs
	9204662/61	Router Bits RH/LH	64.0 lbs



9J1107



1062894



9204662



9J2307

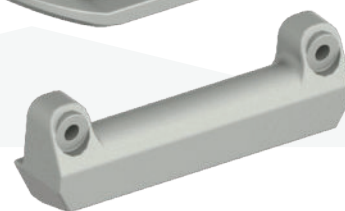


SNOW PLOW

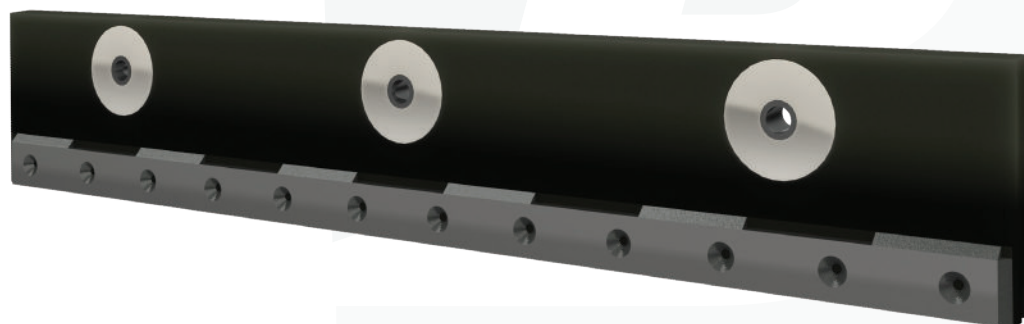


Snow Plow Edges & Accessories

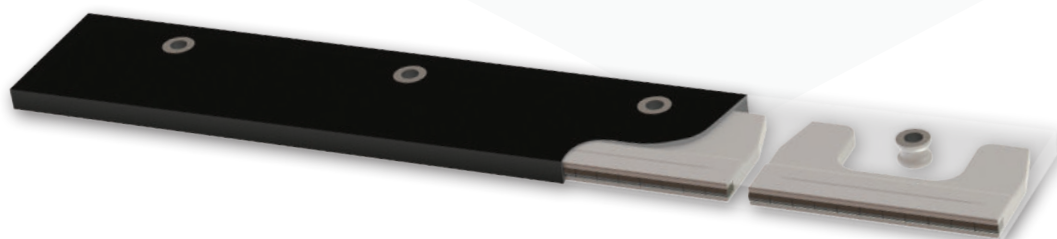
- OEM Replacement
- Custom Design
- Joma 6000®
- SnoShock
- Carbide Inserted Blades
- High Wear Wing, Plow
- Plow Shoes, Runners, Bumpers & Noses



SNO SHOCK



JOMA
6000®





Tungsten Carbide Inserted Plow Blades

Black Cat Tungsten Carbide Inserted Plow Blades are manufactured using the best quality sintered virgin tungsten carbide inserts available. Carbide inserts are brazed into a milled slot in the wearing edge of the blade to extend the life of the blade.

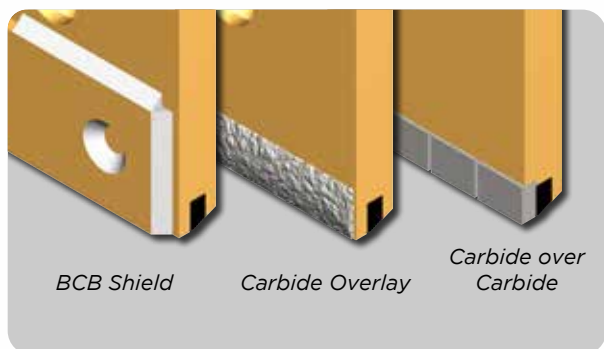
These carbide inserts are an extremely hard material that will resist wear by an estimated 20 times over steel blades. The steel blade is primarily the "holder" for the carbide inserts which alone are too fragile to be used for plowing roadways.

The different sizes and shapes of the inserted blade are designed to allow mounting in different configurations on the many different snow plows in use around the world.



Available Profiles	Weight per Foot
3/4" x 5"	12.75 lbs
3/4" x 6"	15.36 lbs
7/8" x 5"	14.86 lbs
7/8" x 6"	17.85 lbs
3/4" x 5" Curved	12.25 lbs
1" x 7" Curved	24.00 lbs

Tungsten Carbide Protection Options



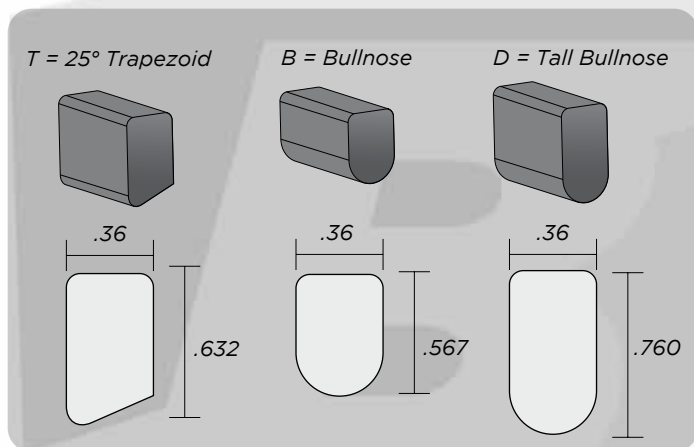
Tungsten Carbide is an extremely hard wear material that will resist abrasion very well. Because of this high hardness, the inserts are subject to fracturing in some applications. Several options are available to protect the carbide insert to prolong the life of the blade. The BCB Shield is applied to absorb shock and impact to help eliminate carbide fracturing. Carbide Overlay is applied to the face of the steel holder blade to harden the surface and keep the face from wearing too quickly in abrasive applications. Carbide Over Carbide is the ultimate in protection, an impact grade carbide tile is brazed in place over the high wear grade carbide insert to absorb shock and eliminate face wear.

Tungsten Carbide Inserts

Several carbide insert options are available to suit the many different applications and requirements.

The most popular insert in North America is the 25 degree trapezoid shape.

Some agencies specify larger inserts like the 40 degree trap. The size and shape of the insert is often specified by the requesting agency.



BCB500 High Alloy, High Abrasion Through Hardened Plow Blades

Available Profiles	Weight per Foot
1/2" x 6"	10.20 lbs
5/8" x 6"	12.72 lbs
3/4" x 6"	15.36 lbs
1" x 6"	20.38 lbs
5/8" x 8"	17.04 lbs
3/4" x 8"	20.40 lbs
1" x 8"	27.24 lbs

Black Cat BCB500 Plow Blades offer the user a high alloy steel blade which has been through hardened to increase the abrasion resistance and impact strength.

BCB500 Plow Blades are so tough they are warranted against breakage during their usable life! If these blades break before they are worn out, Black Cat will replace them (see Black Cat Blades Through Hardened Warranty for details).



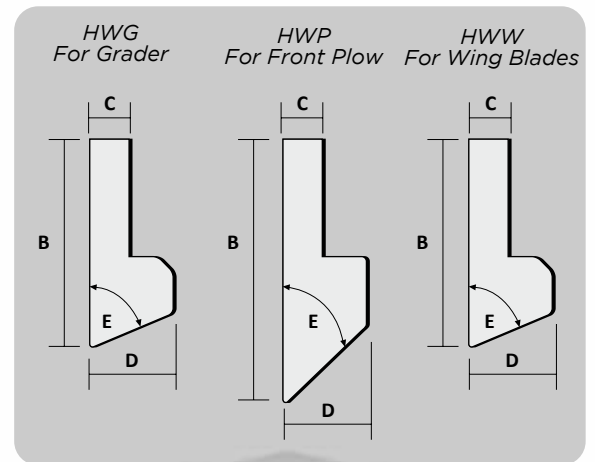
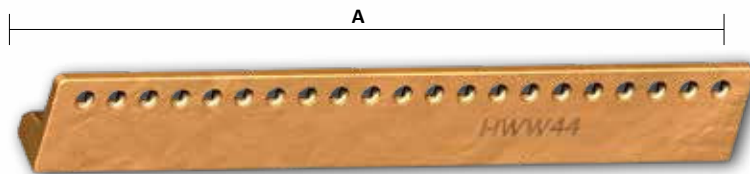
BCB300 High Carbon Plow Blades

Black Cat Snow Plow Blades are manufactured from the highest quality hot rolled steel bars available. The "Standard" in snow plow blades is the High Carbon alloy steel blade. The hardness and wear resistance in these products is obtained at the steel mill by adding elements to the molten steel, primarily Carbon. The "Carbon" plow blade is relatively simple, the differences being thickness, width, length, and mounting hole type, location and spacing. Mounting holes are traditionally square holes for carriage bolts but many users now use countersunk holes and plow bolts. Hole location on the blade requires determining the distance from the top of the blade to the center of the holes, referred to as the "Gauge", and the spacing of the holes (always measured center to center) across the length.

Available Profiles	Weight per Foot
3/8" x 6"	7.65 lbs
1/2" x 6"	10.20 lbs
5/8" x 6"	12.72 lbs
3/4" x 6"	15.36 lbs
1/2" x 8"	13.56 lbs
5/8" x 8"	17.04 lbs
3/4" x 8"	20.40 lbs
1" x 8"	27.24 lbs

BladeRunner Extended Wear Life Blades

BladeRunner Extended Wear Life Blades are Premium Alloy Steel blades designed to extend the wear life of the edge, reducing the need for blade changes. These high strength blades will bolt to virtually any snow plow or motor grader and are to be used where the customer requires longer blade life but tungsten carbide inserted blades are not practical. The BladeRunner will withstand impact and rough surfaces that would normally fracture carbide blades.



Part Number	Description	Weight	Holes	A	B	C	D	E	Hole Spacing			Bolt Hole Size
									End to 1	1 to 2	2 to 3	
HWW40	40" Wing Blade	88.6 lbs	19	39.88	6.00"	0.75"	2.69"	70.0°	1.94"	2.00"	2.00"	0.63"
HWW44	44" Wing Blade	98.1 lbs	21	43.88								
HWW48	48" Wing Blade	104.2 lbs	23	47.88								
HWG36	36" Grader Blade	83.9 lbs	7	35.88	6.00"	0.75"	2.69"	70.0°	2.94"	3.00"	6.00"	0.75"
HWG48	48" Grader Blade	108.7 lbs	9	47.88								
HWP36	36" Plow Blade	108.6 lbs	17	35.88	7.81"	0.75"	2.50"	50.0°	1.94"	2.00"	2.00"	0.63"
HWP40	40" Plow Blade	120.4 lbs	19	39.88								
HWP44	44" Plow Blade	132.1 lbs	21	43.88								
HWP48	48" Plow Blade	151.2 lbs	23	47.88								

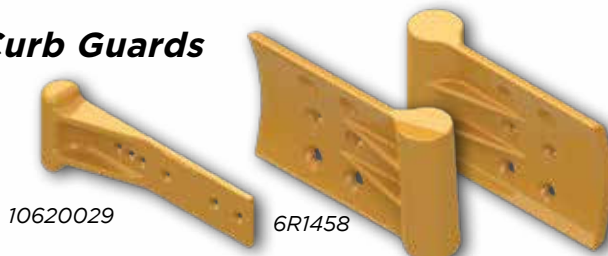
Edge Extensors

Black Cat Edge Extensors are designed to bolt over the end section of steel or tungsten carbide inserted plow blades to guard the end of the plow and extend the life of the blades. The Extensor is designed with 2" hole spacing so it will bolt to virtually any plow and the holes are countersunk on both sides so it can be used on either end of the plow. Optional Tungsten Carbide overlays or inserts can be added to increase the wear life in critical areas.



Part Number	Part Name	Weight
PGB8614	14" Edge Extensor	27.0 lbs
PGB8624	24" Edge Extensor	41.8 lbs

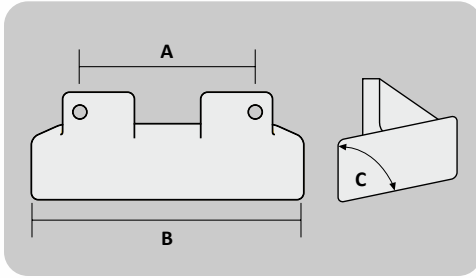
Curb Guards



Part Number	Part Name	Weight
10620029	Universal Plow Curb Runner	14.2 lbs
6R1458	Grader Curb Runner (5/8 Bolts)	36.2 lbs
6R1434	Grader Curb Runner (3/4 Bolts)	37.3 lbs



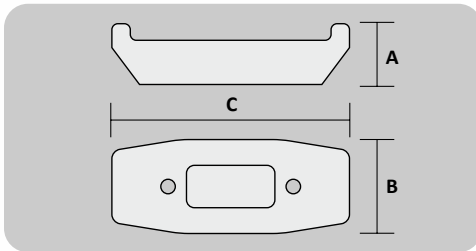
Moldboard Shoes



Part Number	Description	Material	Weight	A	B	C
1021562	Frink® Shoe	Grey Iron	14.8 lbs	8.00"	10.00"	75°
10628008	Tenco® Shoe	Grey Iron	32.2 lbs	8.00"	11.29"	45°
10628039	Tenco® Wing Shoe	Grey Iron	26.7 lbs	8.00"	10.50"	70/80°
600A55X8	Plow Shoe	Alloy Steel	16.9 lbs	8.00"	10.00"	50°
600G55X8	Plow Shoe	Grey Iron	16.6 lbs	8.00"	10.00"	50°
600G70X8	Wing Shoe	Grey Iron	20.4 lbs	8.00"	10.50"	70°
600A70X12	Wing Shoe	Alloy Steel	32.7 lbs	12.00"	14.00"	70°
2185	EDF® Plow Shoe	Grey Iron	21.3 lbs	8.00"	11.75"	70°
2185A	EDF® Plow Shoe	Alloy Steel	22.8 lbs	8.00"	9.75"	70°
301-13	Plow Shoe	Grey Iron	23.1 lbs	8.00"	12.75"	n/a
V4832	MTO Shoe	Grey Iron	28.8 lbs	8.00"	9.75"	72.9°



Plow Runners (Frame Shoes) & Holders



Part Number	Description	Material	Weight	A	B	C
605-42	Runner Shoe	Grey Iron	42.6 lbs	1.13"	7.00"	21.94"
605-A8	Runner Shoe	Alloy Steel	33.6 lbs	1.00"	8.00"	20.18"
605-7C16I	Runner Shoe	Carbide Inserted	30.5 lbs	0.88"	6.00"	20.18"
605-7C18I	Runner Shoe	Carbide Inserted	30.6 lbs	0.88"	6.00"	20.18"
605-7C24I	Runner Shoe	Carbide Inserted	30.8 lbs	0.88"	6.00"	20.18"
V8290	Adjuster Bar	Alloy Steel	8.2 lbs	n/a	n/a	n/a
V8291-75	Runner Holder	Alloy Steel	17.4 lbs	n/a	n/a	n/a
10MUSH	Mushroom Runner	Grey Iron	41.9 lbs	2.38"	12.00"	12.00"
10MUSH-13H	Runner Holder	Alloy Steel	9.7 lbs	n/a	n/a	n/a
10628003	Tenco® Runner	Grey Iron	21.3 lbs	2.38"	5.00"	11.00"



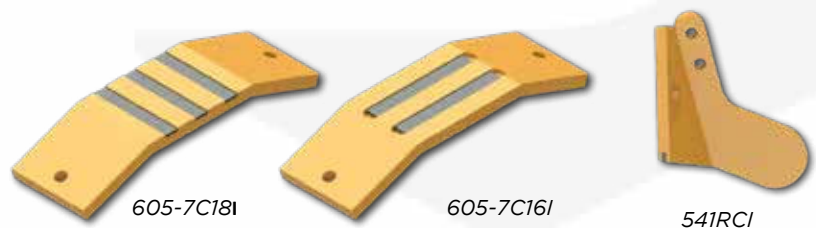
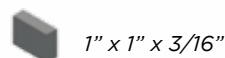
High Alloy Cast Plow Nose Shoes



Part Number	Description	Weight
10628028	Tenco® Nose Shoe	11.0 lbs
10	Viking® Nose Shoe	13.2 lbs
HWPNR-10	BladeRunner Viking® Nose Shoe	25.5 lbs
HWPNR-FRI	BladeRunner Frink® Nose Shoe	25.2 lbs
FRI 54IR	Frink® Nose Shoe	13.5 lbs
FRI 54IL	Frink® Nose Shoe	13.5 lbs
BC V10LAR	Larochelle Nose Shoe	16.8 lbs

Carbide Runner Shoes and Noses

Tungsten Carbide Tiles or inserts can be added to any Alloy Steel Runner Shoes or Nose Pieces to increase the wear life in demanding applications.



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WEAR PARTS



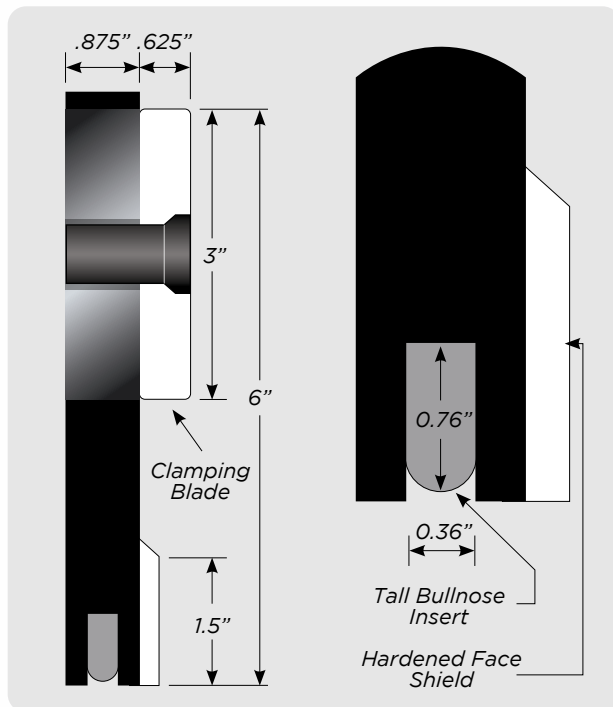
SnoShock™

Shock Absorbing Snow Plow Blades

SNO SHOCK™

**Extend Carbide Blade Life
up to 2X or More!**

- **Cushioned Mount Absorbs Shock & Impact**
- **Shock Absorber Eliminates Carbide Fracturing**
- **Extra Large Tungsten Carbide Inserts Extend Life**
- **Hardened Face Shield Eliminates Premature Wear**



Black Cat SnoShock Plow Blades are just that, snow plow blades with built in shock absorbers!

Replacing the normal mounting holes in the steel blade with specially designed poly bushings allows the blade to move and float under the weight of the plow. This cushioning effect absorbs the shock and impact normally transmitted through the blade and virtually eliminates carbide insert fracturing. The result is dramatically longer blade life. An integrated "Shield" is designed into the face of the blade to further protect the carbide inserts and keep the steel "holder" blade from prematurely wearing. A hardened steel clamping blade is used over the face of the SnoShock to mount the assembly to the plow.

Black Cat SnoShock Plow Blades are currently available in 7/8" x 6" profile and come standard with Black Cat "Tall Bullnose" inserts, offering the user exceptional blade life. Other insert shapes and sizes can be ordered. Configurations are available for plows with 5/8" or 3/4" holes on 12" or 8" hole spacing.

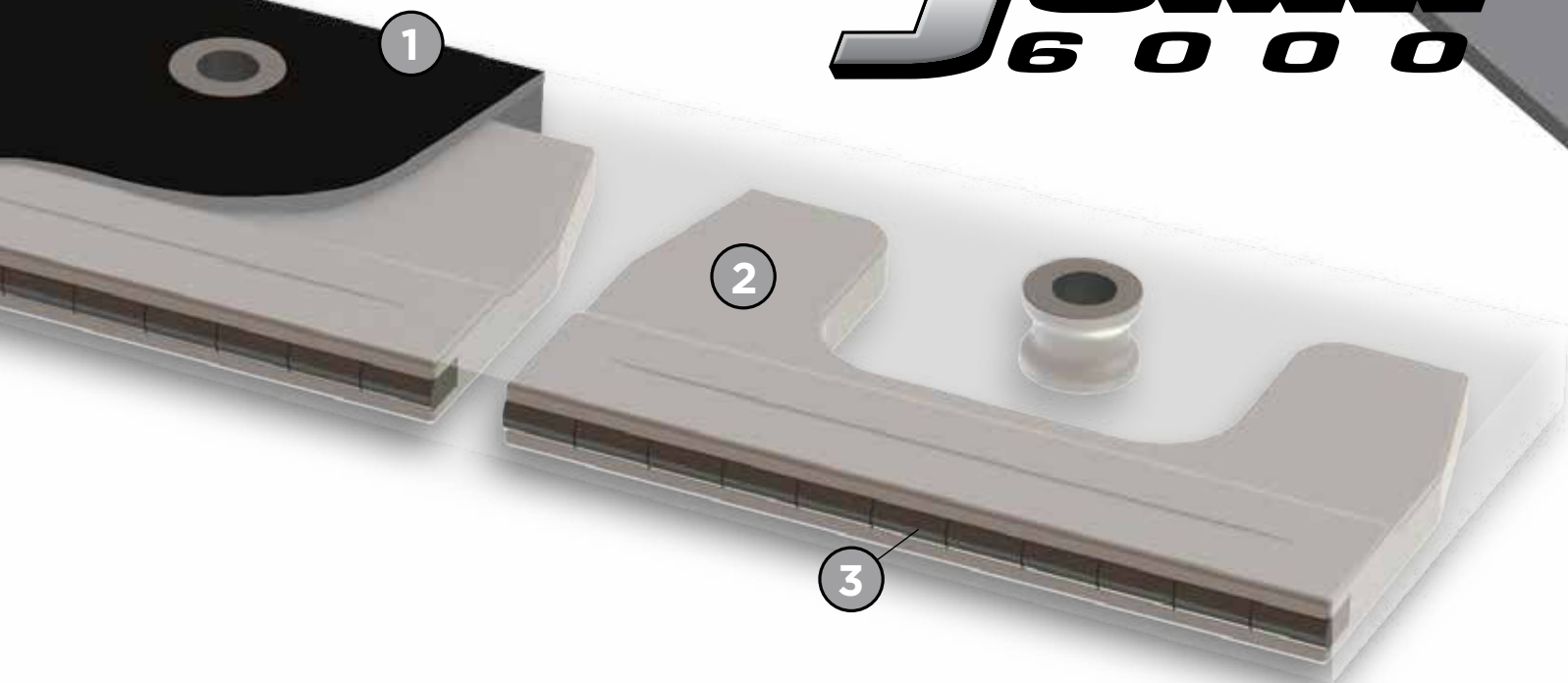
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JOMA[®] **6000**



The Revolutionary Joma 6000 System

1

Rubber Casing

- *Minimized vibration*
- *Light Weight*
- *Sound dampening*

2

Steel Segments

- *Contour forming*
- *Less blade bounce*
- *Help prevent road marker damage*

3

Carbide Inserts

- *0.955" carbide*
- *Improved strength*
- *Longer wear life*

The JOMA 6000 blade is a unique design incorporating tungsten carbide inserts brazed into specially profiled steel segments which are then encased in rubber. The result is dramatically superior life when compared to existing carbide-insert blades.

Numerous other benefits are sure to increase the availability of your plow and reduce costs related to winter highway maintenance.



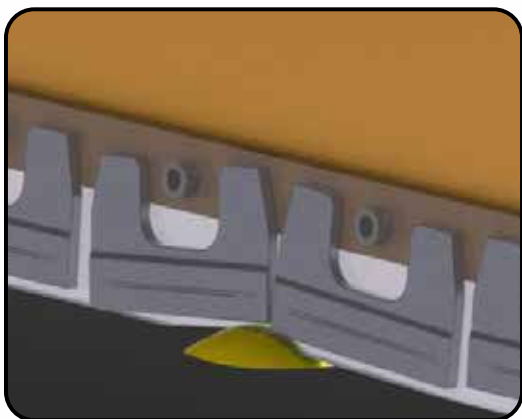
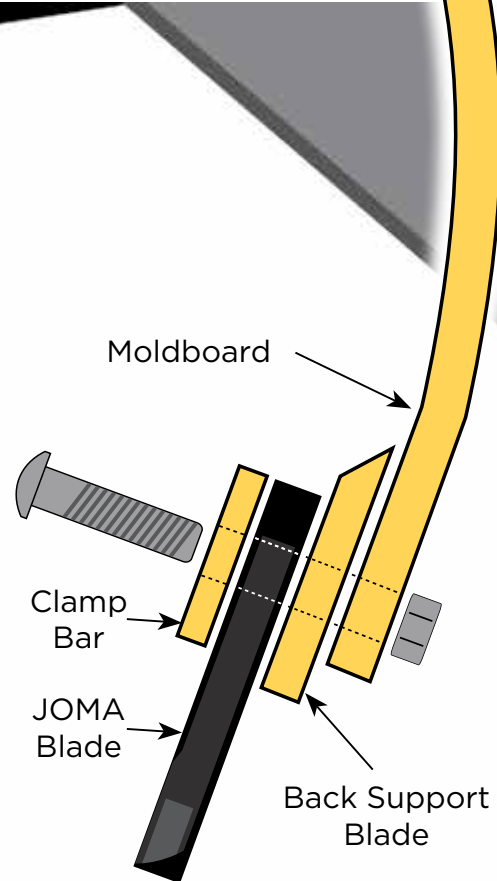
Longer Wear Life

The fact that there is no metal to metal contact between the blade and the plow allows the blade to absorb shock transmitted from the road surface. This shock-absorbing feature protects the insert from severe impact and fracturing resulting in longer insert life.

Bottom line; reduced damage to the carbide combined with a larger insert results in dramatically longer wear life.

Minimized Vibration

Since the JOMA 6000 is completely encased in a rubber mounting, there is no metal to metal contact between the blade and the plow. The rubber mount absorbs most of the vibration that would normally be transferred to the plow and the truck. Vibration is the chief cause of many structural failures and also contributes to operator fatigue. The elimination of most of the vibration is sure to result in reduced maintenance costs and have a positive effect on operator comfort and safety.



Highway Markings

Another cost saving feature of the JOMA 6000 is the reduction in damage to highway lane markings.

The rubber mounting helps to eliminate the chatter or bounce commonly found with a rigid blade. The rigidity of a steel blade combined with chatter contributes to the degradation of road markings. The JOMA 6000 has proven to substantially reduce the cost of maintaining highway lane markings.

Noise Reduction

Noise is another cause of operator fatigue, not to mention the overall effect of noise pollution. Once again the rubber mount utilized by the JOMA 6000 helps to dampen the sound produced by contact with the road, combined with any plow generated noise. The operator will readily notice this feature along with reduced vibration.

Cleaner Roads = Reduced Salt/Sand Consumption

Unlike a rigid steel blade, the JOMA 6000 will form to the contour of the road. In doing so it cleans the road surface more effectively and therefore may require less salt or sand to be applied. This in itself could save a substantial amount of expense since salt and sand are one of the highest costs incurred by most highways maintenance operations. A cleaner road surface should also add considerably to highway safety, potentially reducing accidents.

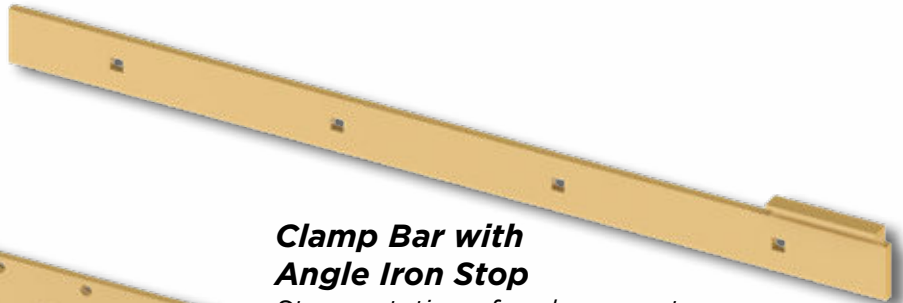


Curb Runner

Protects the end of blade and moldboard from rubbing against curbs etc.

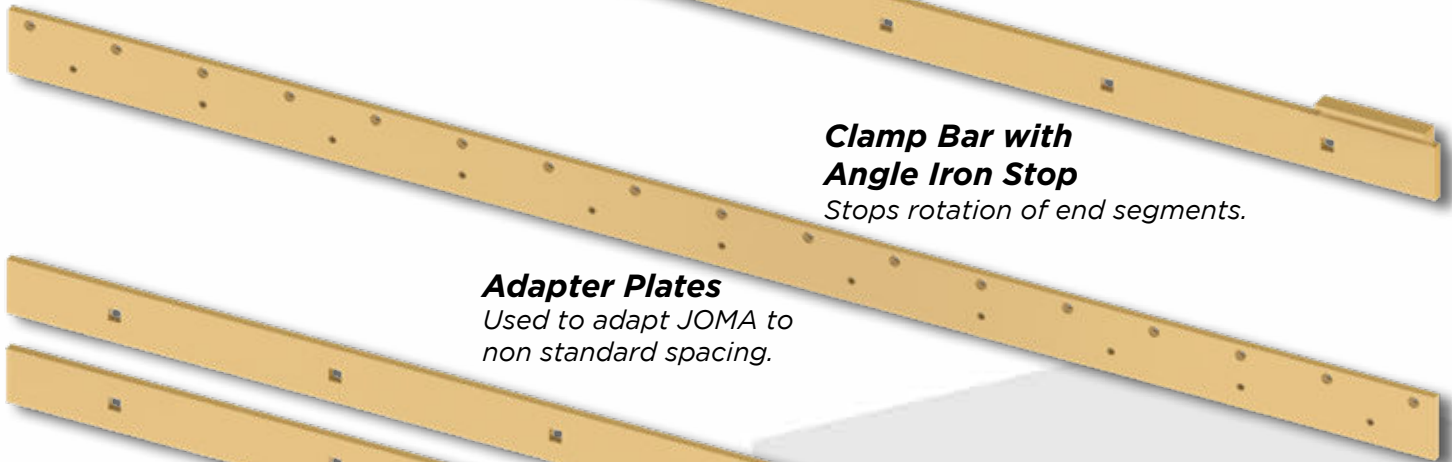


Plow Bolts, Nuts & Washers



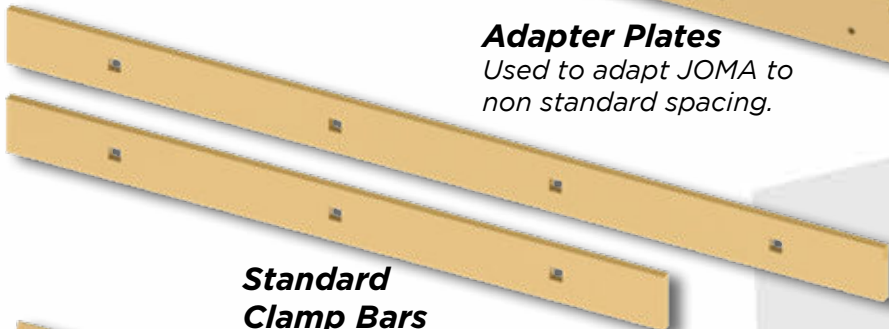
Clamp Bar with Angle Iron Stop

Stops rotation of end segments.

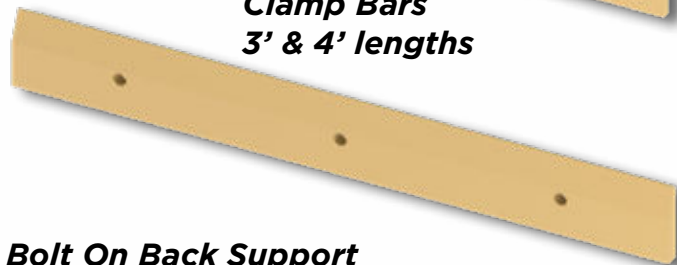


Adapter Plates

Used to adapt JOMA to non standard spacing.

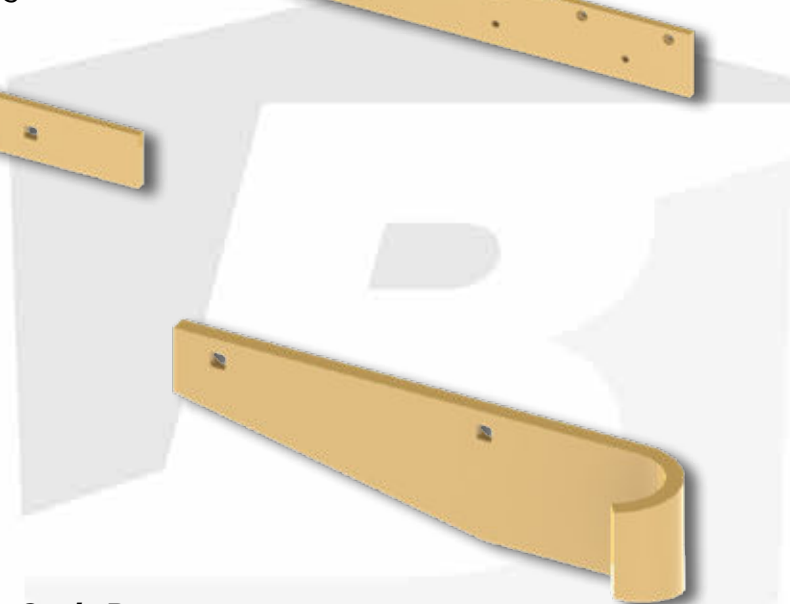


Standard Clamp Bars 3' & 4' lengths



Bolt On Back Support

Provides back support for JOMA blade and/or spaces JOMA away from a step in moldboard.



Curb Bumper

Wraps around end of blade, useful for protecting outside edge of plow and blade bottom edge. Also used to prevent leading edge of JOMA blade from catching in roadway obstructions ie. Bridge joints, railway crossings etc. Bolts over clamping bar.

JOMA[®]

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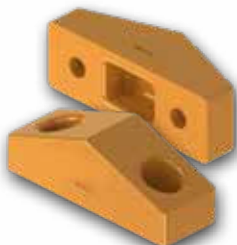
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Compactor Replacement Parts



7K2939



8K9171



4V0668



4V3851



8K9189



2V7053

Machine Model	Tractor Serial #	Tip Type	Tip	Weight	Base	Pin	Cleaner Bars		
							Tamping	Rock	Sheep-foot
835	44N1332	Soil / Rock	7K2939	10.0 lbs	-	7K-9535	4S7928	4S7928	3S3228
	44N33UP	Soil	8K9171	15.0 lbs	7K7071	Bolt On			
834	43E	Soil / Rock	7K2939	10.0 lbs	-	7K-9535	4S7928	4S7928	3S3228
825B	43N	Soil / Rock	7K2939	10.0 lbs	-	7K-9535	3S3228	3S3228	4S7928
825C	86X	Soil	8K9171	15.0 lbs	7K7071	Bolt On	3S3228	5V4311 & 2085254*	-
		Rock	4V0668	16.0 lbs	7K7071	Weld On			
825G	6RN	Soil / Rock	7K2939	10.0 lbs	-	7K-9535	3S3228	5V4311 & 2085254*	-
	AXB	Soil / High Density	2V7053	8.0 lbs	7K6908	Weld On			
824G	36H	Soil / Rock	7K2939	10.0 lbs	-	7K-9535	3S3228	3S3228	4S7928
815 815F, 815G 815B	91P 1GN, BKL 172	Soil	2V7053	8.0 lbs	7K6908	Weld On	4S7928	5V4311 & 2085254*	-
		Rock	4V3851	10.0 lbs	7K6908	Weld On			
		Soil / Rock	8K9189	7.7 lbs	7K6908	Bolt On			

* Replaceable Tip - use J250 Flare Tooth requires 8E-6258 Pin & 8E-6259 Retainer



Cleaner Bars

Part #	Description	Model	Weight
5V4311	Cleaner Bar Adapter	815	20.9 lbs
2085254	Cleaner Bar Tooth	815	8.8 lbs
4S7928	Cleaner Bar	815	13.3 lbs
3S3228	Cleaner Bar	825	16.6 lbs

Bases

Part #	Description	Model	Weight
7K6908	Cast Base	815	11.6 lbs
7K7071	Cast Base	835	14.0 lbs